CONSORZIO
LaMMA

meteo

REPORT METEOROLOGICO

Agosto 2022

Per info: previsori@lamma.rete.toscana.it

Consorzio LaMMA - Laboratorio di Monitoraggio e Modellistica Ambientale

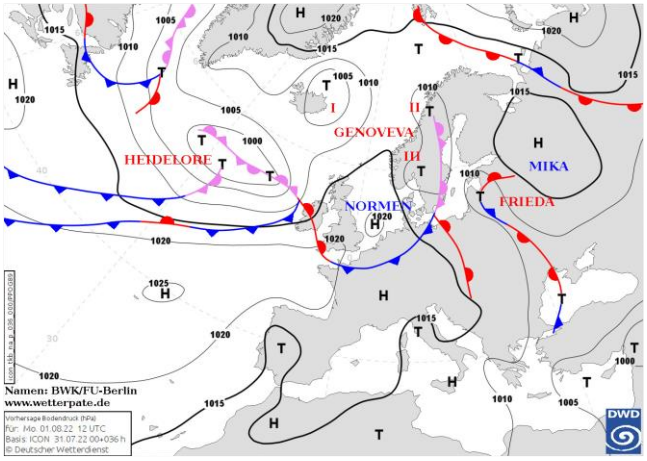
CONSORZIO LaMMA

Regione Toscana

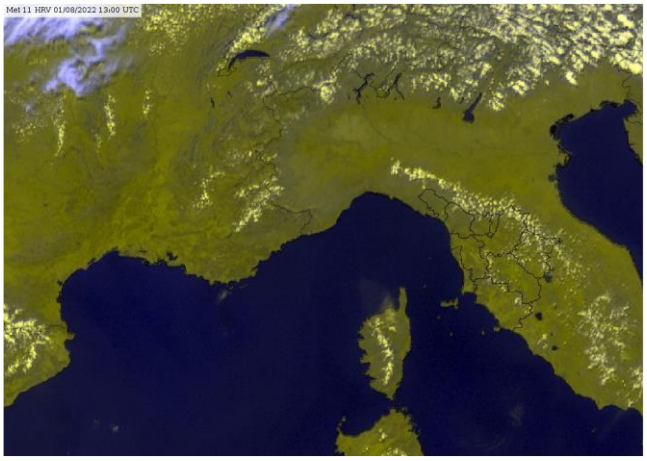
Consiglio Nazionale delle Ricerche

Lunedi' 1 Agosto 2022

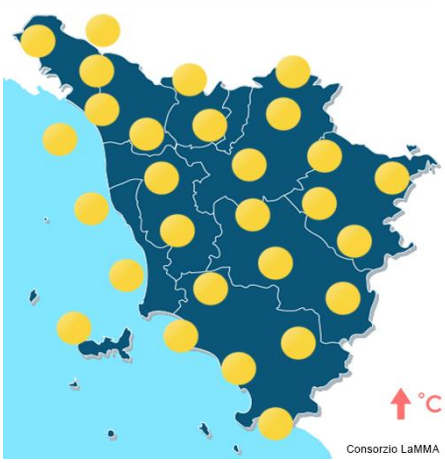
Situazione: condizioni di alta pressione sul Mediterraneo e su gran parte dell'Europa centro-meridionale.



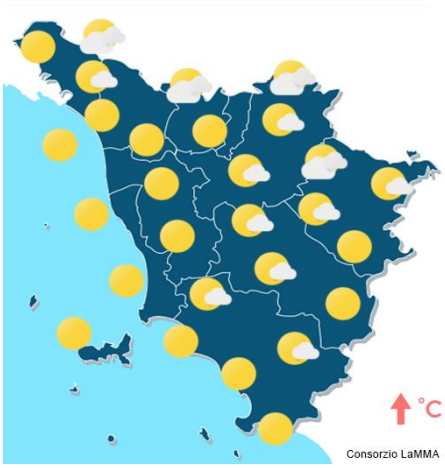
Pressione al suolo e fronti del 01 Agosto alle 12 UTC


Meteosat HRV del 01 Agosto alle 13 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso.

Fenomeni: nessuno.

Venti: deboli orientali nell'interno, a regime di brezza sulla costa.

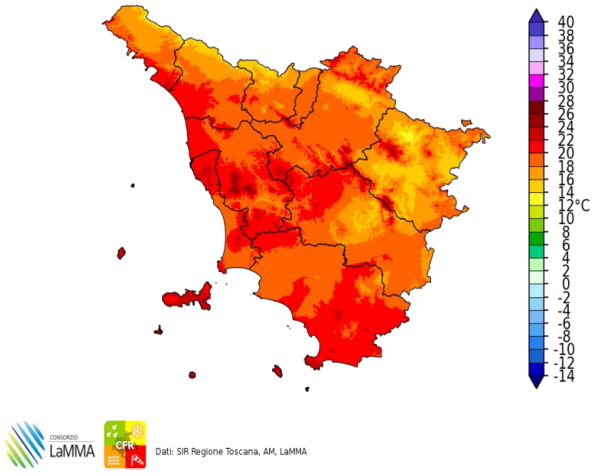
Mari: calmi o poco mossi.

Temperature: in lieve aumento.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	16	18	19	25	20	22	20	18	21	23
	anomalia*	1	-1	1	4	1	2	2	0	2	4
T. max	osservata	36	38	35	30	36	32	35	36	38	37
	anomalia*	4	6	4	1	5	2	4	3	5	6
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

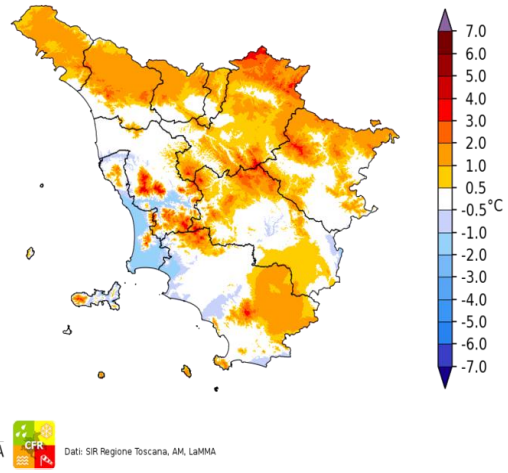
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 01/08/2022



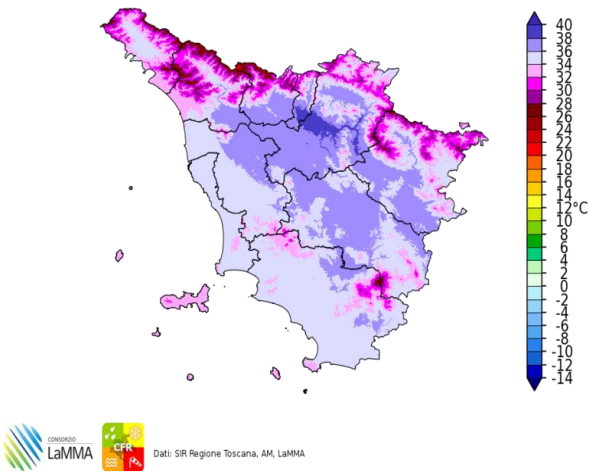
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 01/08/2022 e 31/07/2022



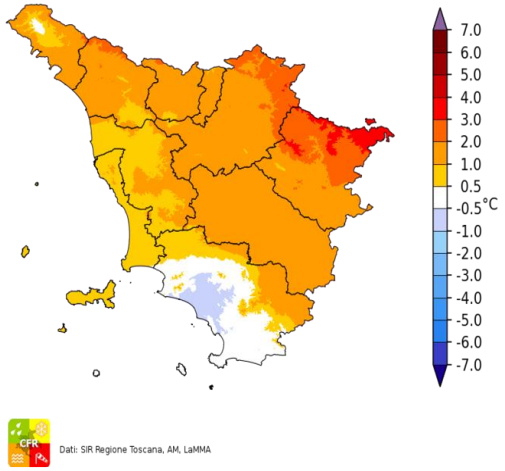
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 01/08/2022



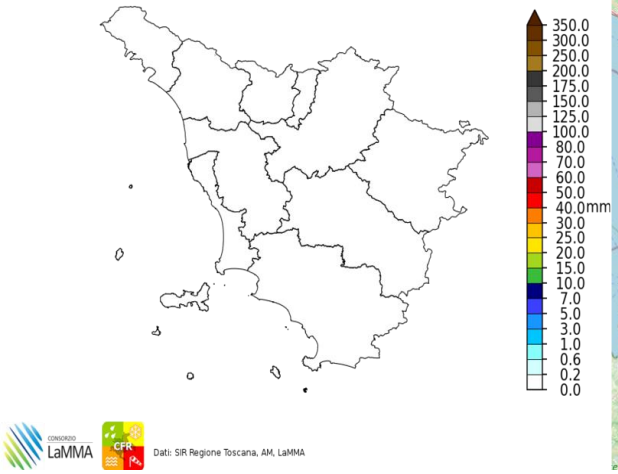
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 01/08/2022 e 31/07/2022



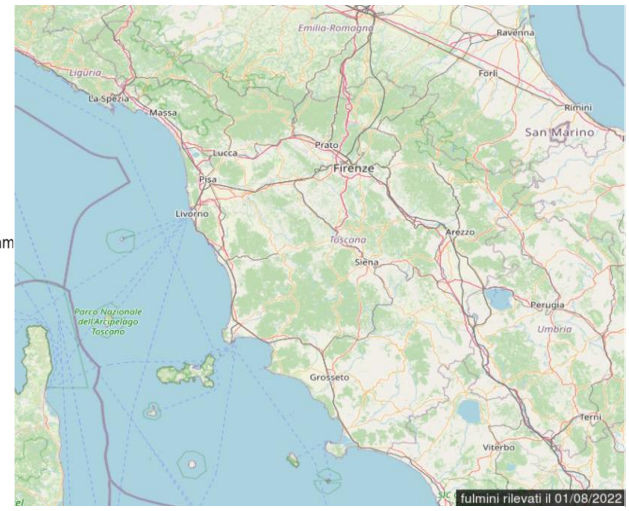
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 01/08/2022



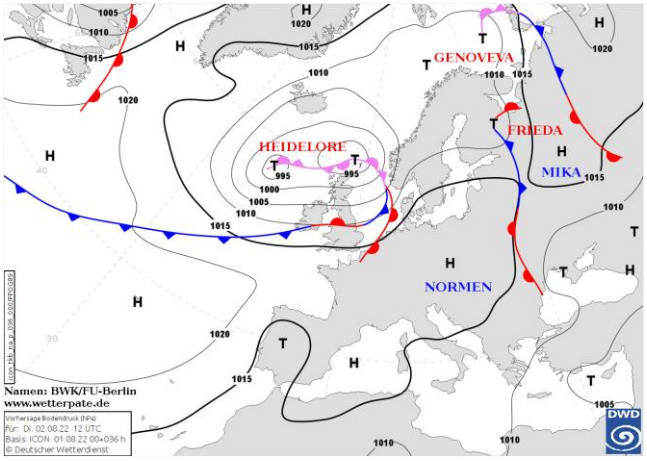
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 01 Agosto

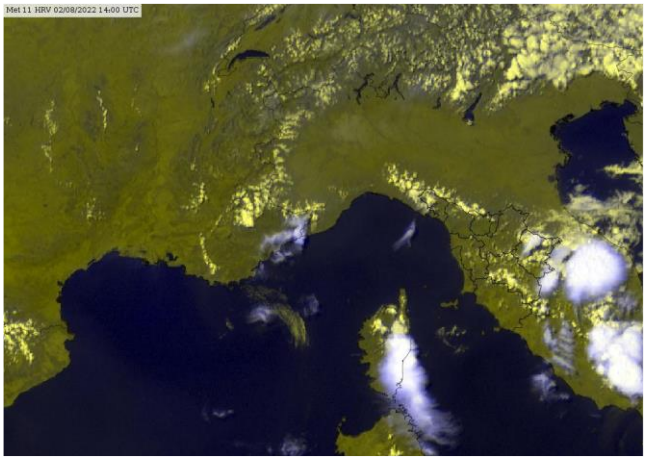


Martedi' 2 Agosto 2022

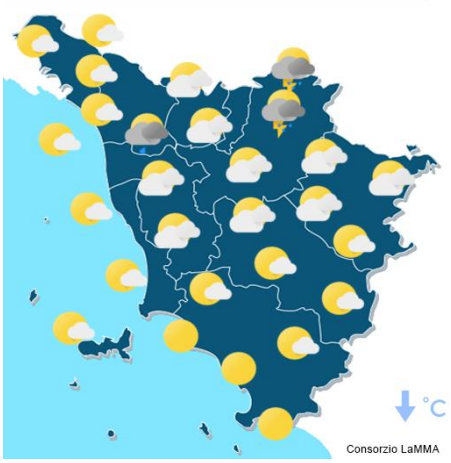
Situazione: una saccatura transita rapidamente sulla Toscana portando condizioni di moderata instabilità atmosferica.



Pressione al suolo e fronti del 02 Agosto alle 12 UTC


Meteosat HRV del 02 Agosto alle 14 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: parzialmente nuvoloso.

Fenomeni: rovesci e temporali sparsi su Mugello, Appennino pistoiese e sulle province di Siena e Arezzo.

Venti: deboli di brezza a prevalente componente di Maestrale nel pomeriggio sulla costa.

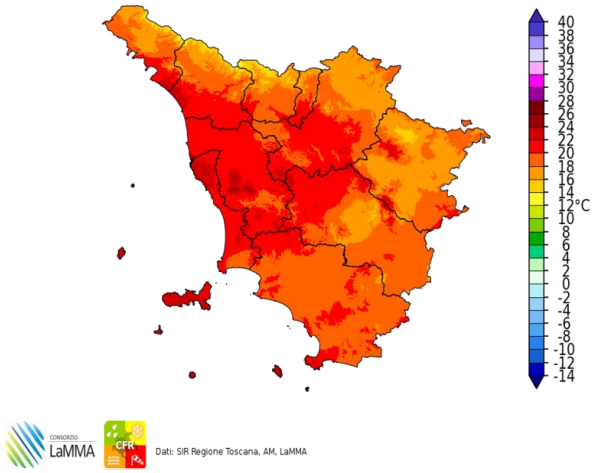
Mari: poco mossi.

Temperature: minime in aumento, massime in calo.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	18	19	19	26	21	23	21	19	22	22
	anomalia*	3	0	1	4	3	3	3	1	3	3
T. max	osservata	34	36	37	33	36	32	35	35	35	35
	anomalia*	2	3	5	4	4	2	5	2	2	4
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

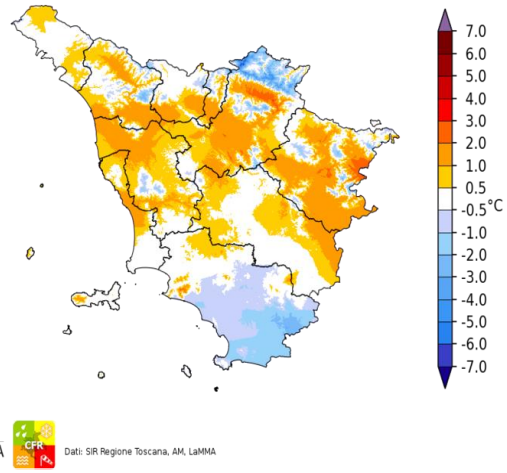
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 02/08/2022



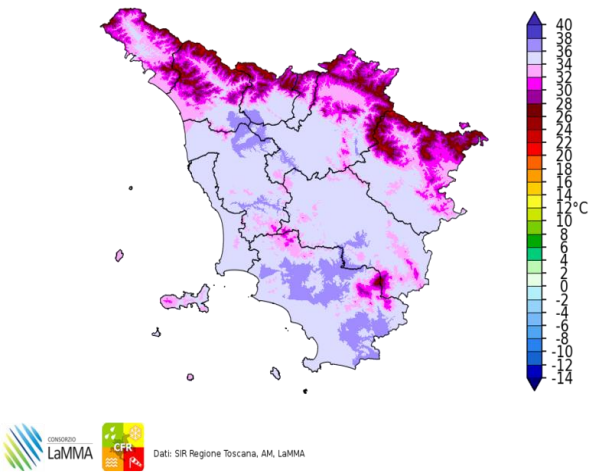
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 02/08/2022 e 01/08/2022



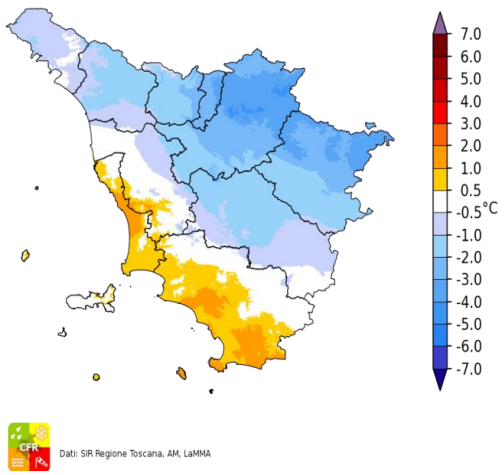
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 02/08/2022



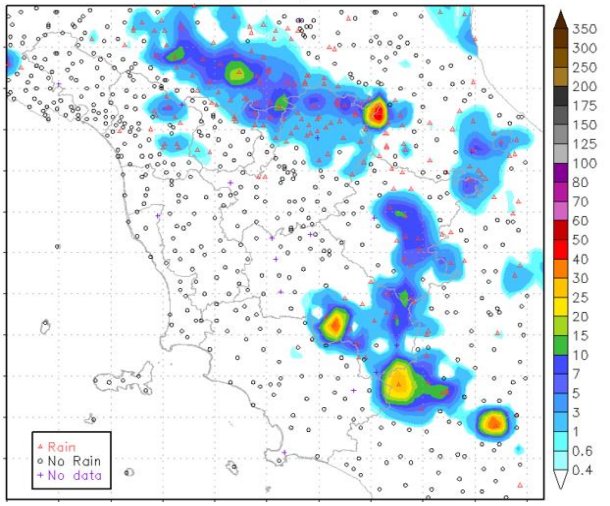
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 02/08/2022 e 01/08/2022

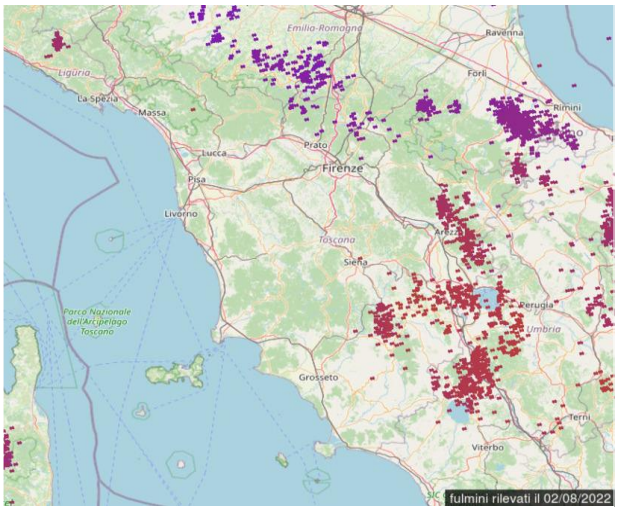


Dati: SIR Regione Toscana, AM, LaMMA

Total Precipitation [mm] cumulated on Tue, 02/08/2022

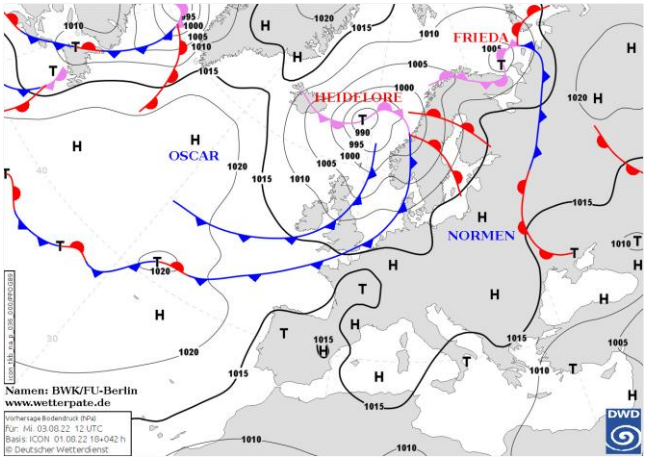


Fulminazioni osservate il giorno 02 Agosto

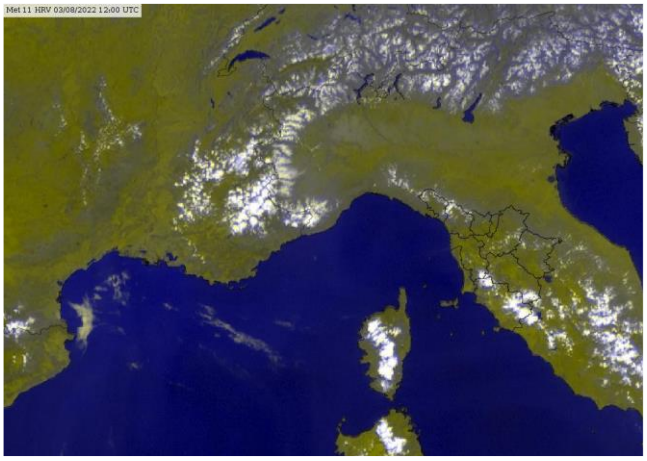


Mercoledi' 3 Agosto 2022

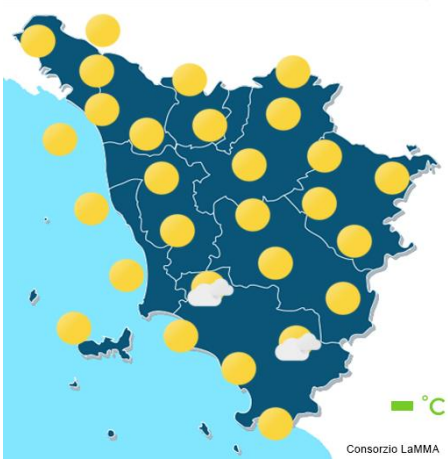
Situazione: un promontorio di origine subtropicale africana tende a estendersi sull'Europa occidentale e quindi sull'Italia, in particolare su quella centro-settentrionale.



Pressione al suolo e fronti del 03 Agosto alle 12 UTC


Meteosat HRV del 03 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso con sviluppo di nubi cumuliformi in particolare sulle zone interne centro-meridionali.

Fenomeni: temporale pomeridiano in prossimità dell'Amiata.

Venti: deboli a regime di brezza con temporanei rinforzi pomeridiani sulla costa.

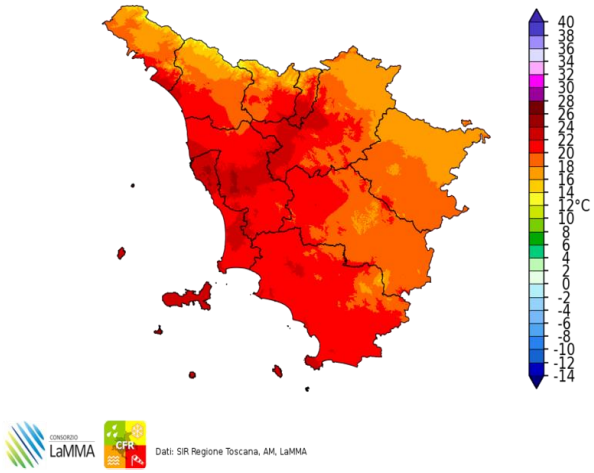
Mari: poco mossi.

Temperature: in aumento.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	16	19	21	27	20	22	20	21	25	22
	anomalia*	1	0	3	6	2	3	2	2	5	4
T. max	osservata	35	38	35	34	37	35	36	36	37	35
	anomalia*	3	5	3	5	5	4	6	4	4	5
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

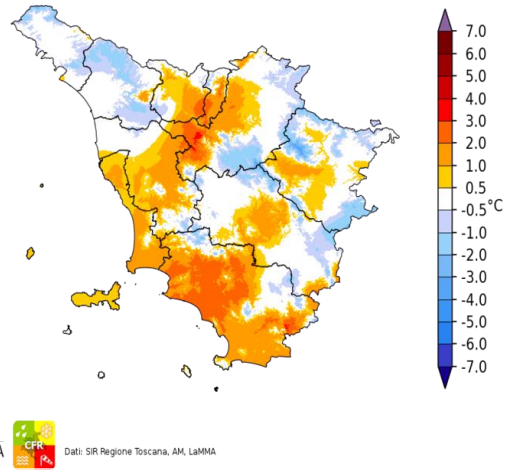
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 03/08/2022



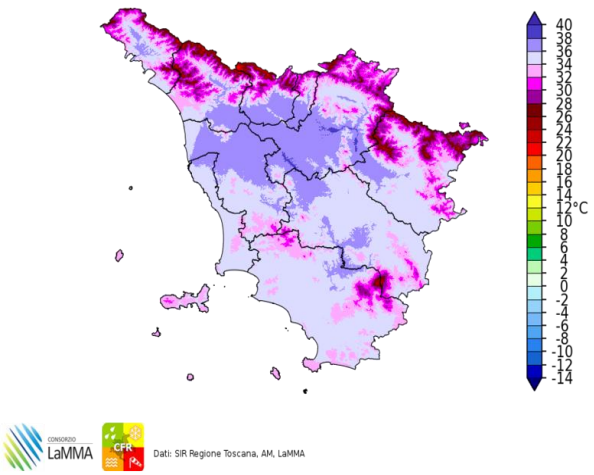
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 03/08/2022 e 02/08/2022



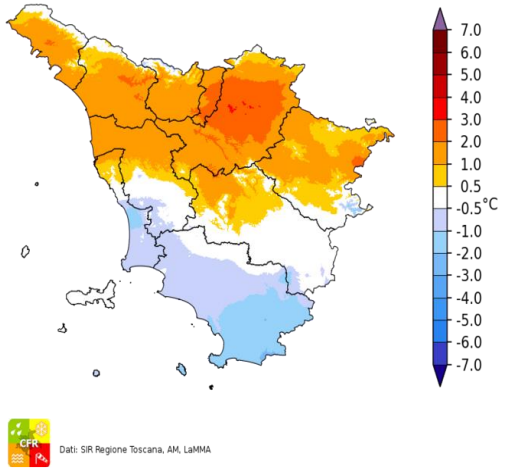
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 03/08/2022



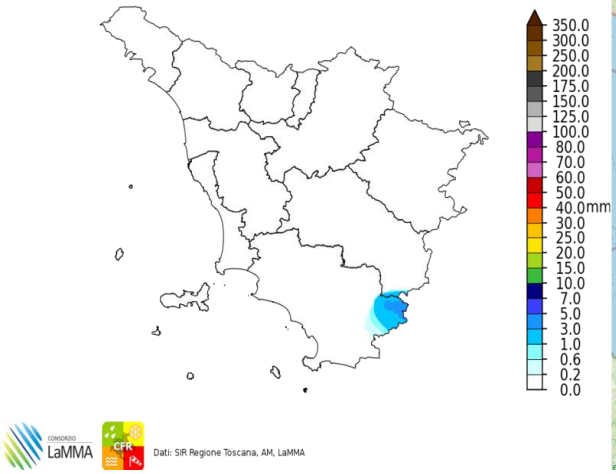
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 03/08/2022 e 02/08/2022



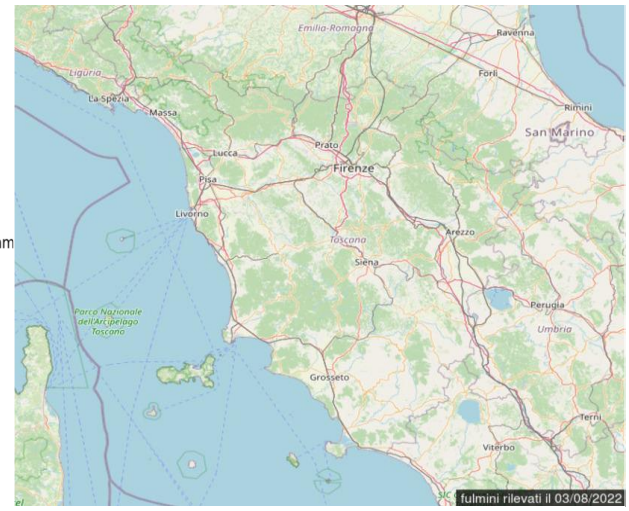
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 03/08/2022



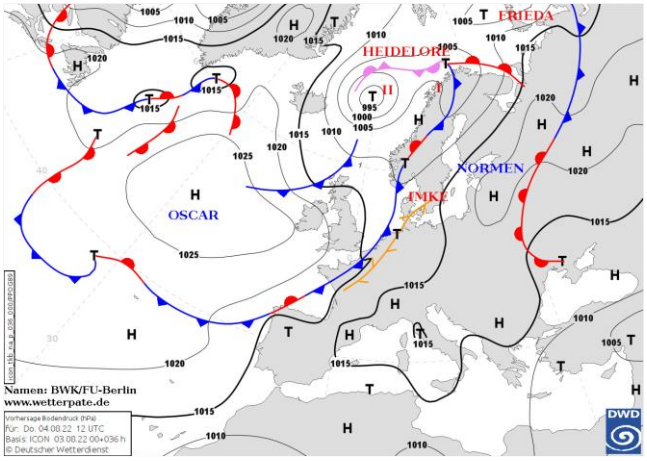
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 03 Agosto

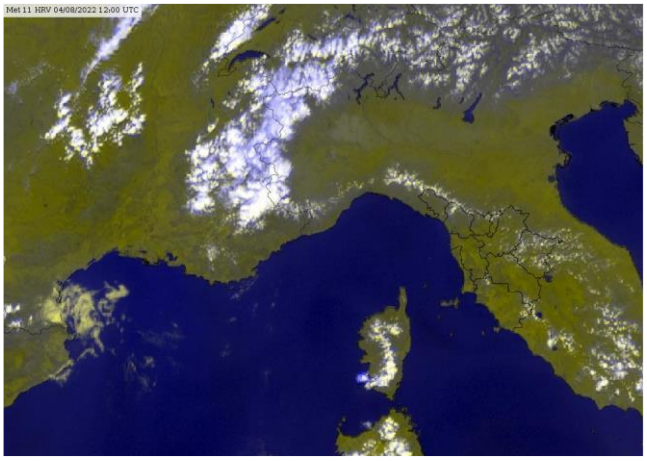


Giovedi' 4 Agosto 2022

Situazione: un promontorio di origine subtropicale africana si estende sull'Europa occidentale e quindi sull'Italia, in particolare su quella centro-settentrionale.

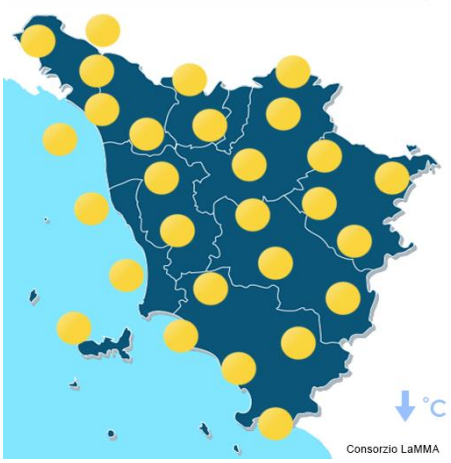


Pressione al suolo e fronti del 04 Agosto alle 12 UTC

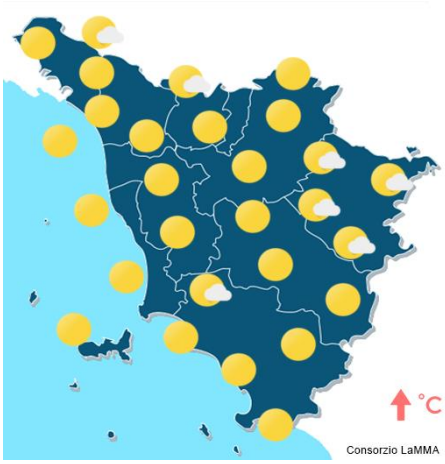


Meteosat HRV del 04 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso con modeste nubi cumuliformi sui rilievi dell'interno nelle ore più calde.

Fenomeni: nessuno.

Venti: deboli di brezza con temporanei rinforzi nel pomeriggio sulla costa.

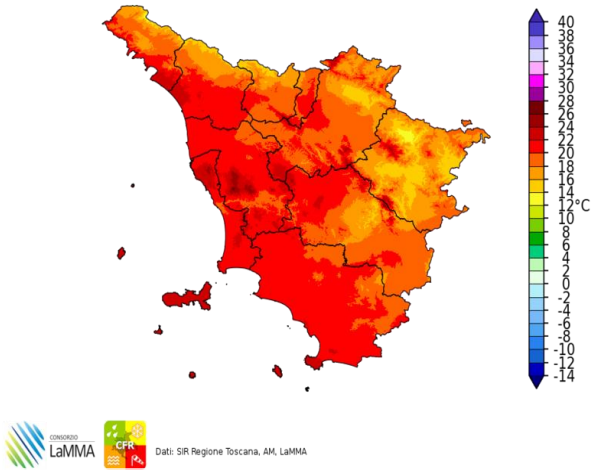
Mari: poco mossi.

Temperature: in lieve calo le minime nell'interni, massime in aumento fino a 39 °C in pianura.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	16	19	20	25	21	23	20	20	23	24
	anomalia*	1	0	2	4	2	4	2	1	4	5
T. max	osservata	37	40	35	31	37	34	37	37	39	36
	anomalia*	5	7	3	2	6	4	6	4	6	6
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

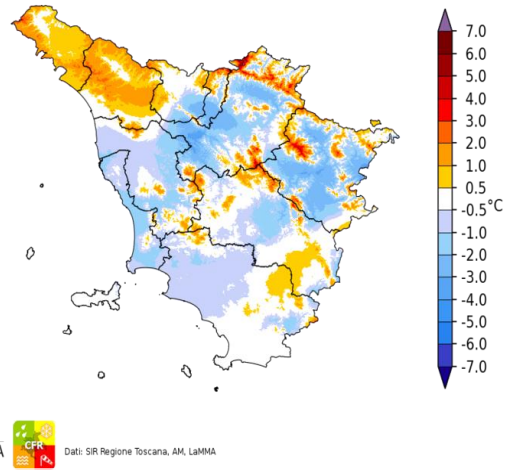
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 04/08/2022



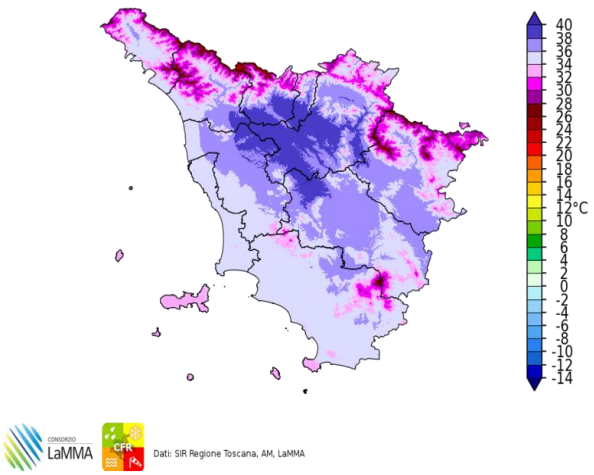
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 04/08/2022 e 03/08/2022



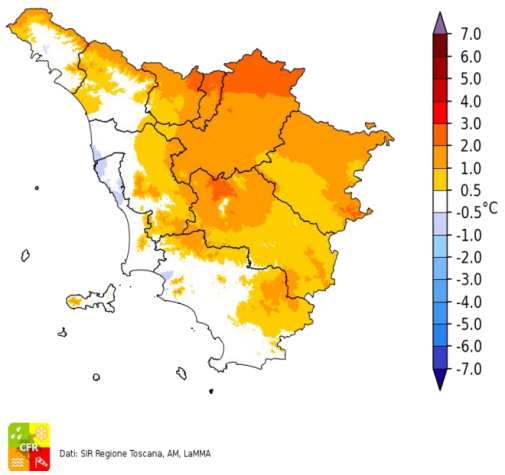
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 04/08/2022



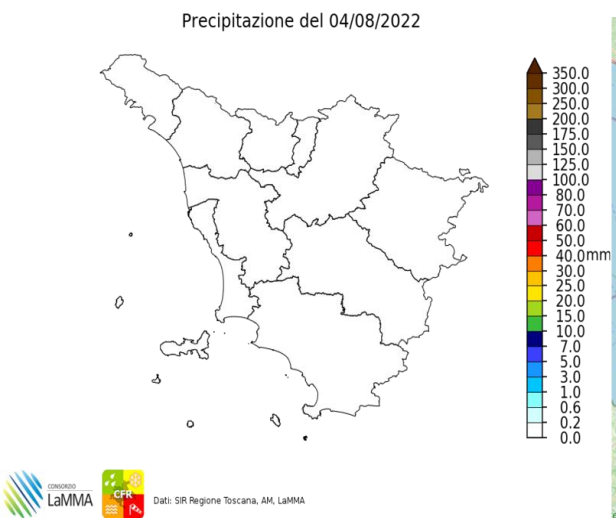
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 04/08/2022 e 03/08/2022



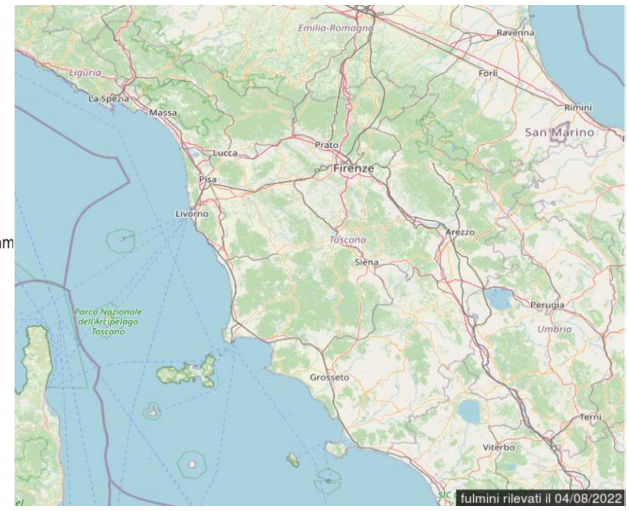
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 04/08/2022



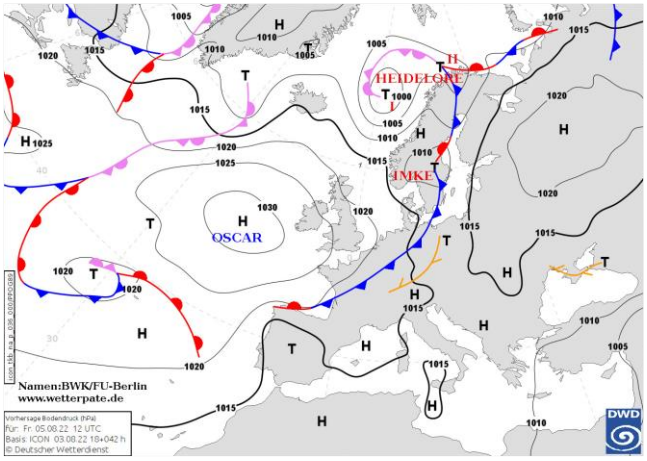
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 04 Agosto

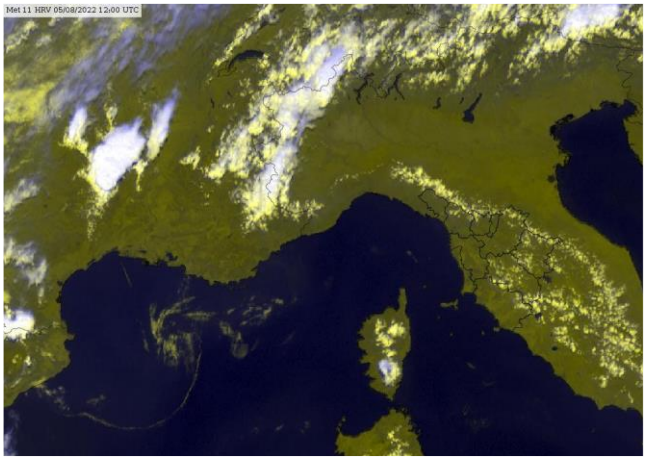


Venerdi' 5 Agosto 2022

Situazione: un promontorio di origine subtropicale africana interessa la nostra penisola.

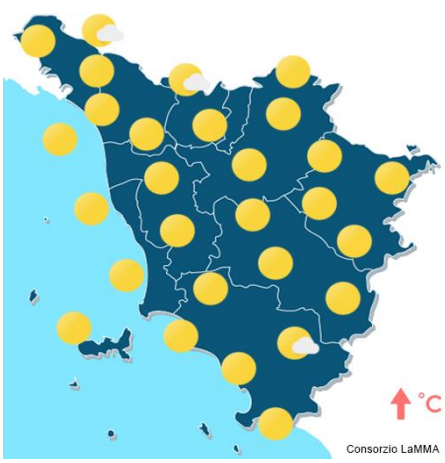


Pressione al suolo e fronti del 05 Agosto alle 12 UTC

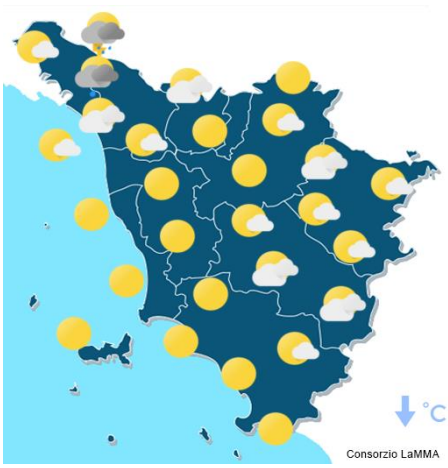


Meteosat HRV del 05 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso con nubi cumuliformi pomeridiane su zone interne e rilievi.

Fenomeni: locali temporali sull'Appennino della provincia di Massa-Carrara

Venti: deboli a regime di brezza.

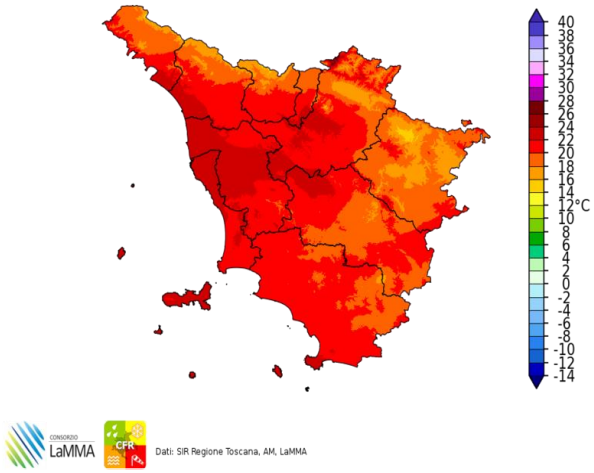
Mari: poco mossi.

Temperature: minime in aumento e massime in lieve calo.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	18	21	19	26	22	23	22	21	23	23
	anomalia*	3	2	1	5	4	3	4	3	3	4
T. max	osservata	37	38	34	31	34	30	33	35	37	36
	anomalia*	5	5	2	2	2	0	2	2	4	6
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

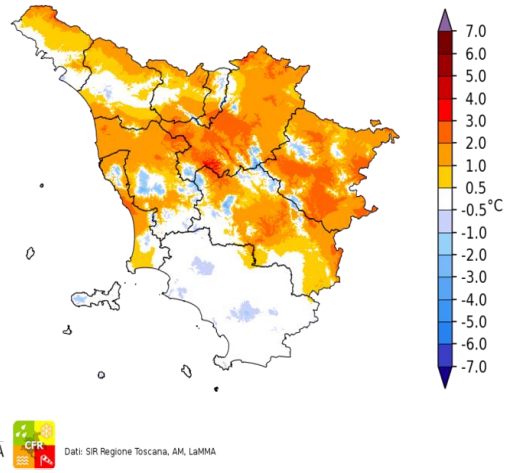
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 05/08/2022



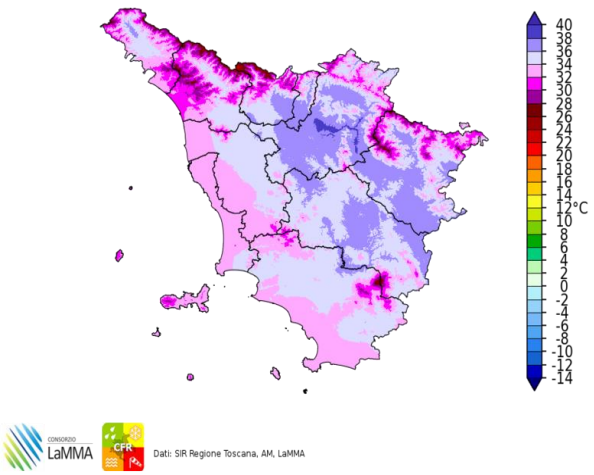
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 05/08/2022 e 04/08/2022



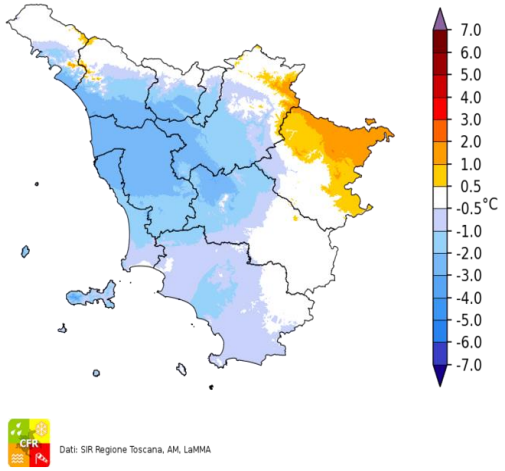
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 05/08/2022



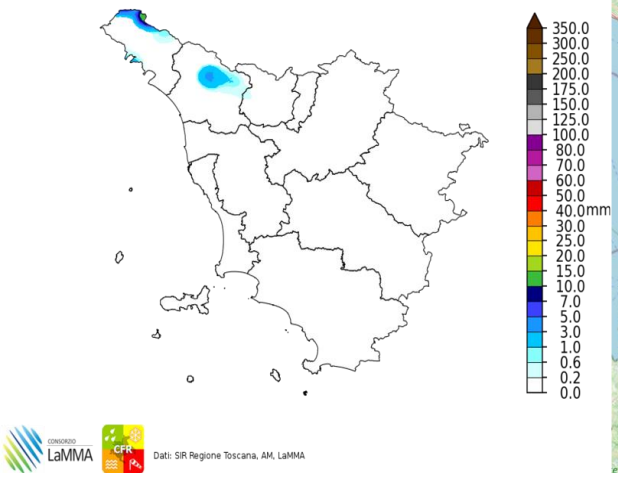
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 05/08/2022 e 04/08/2022



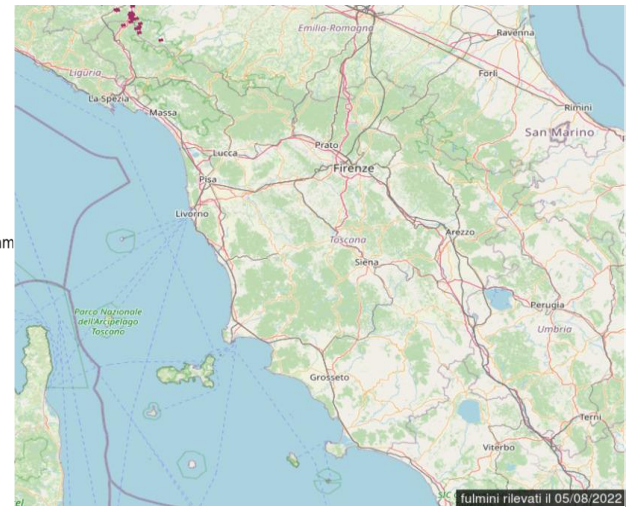
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 05/08/2022



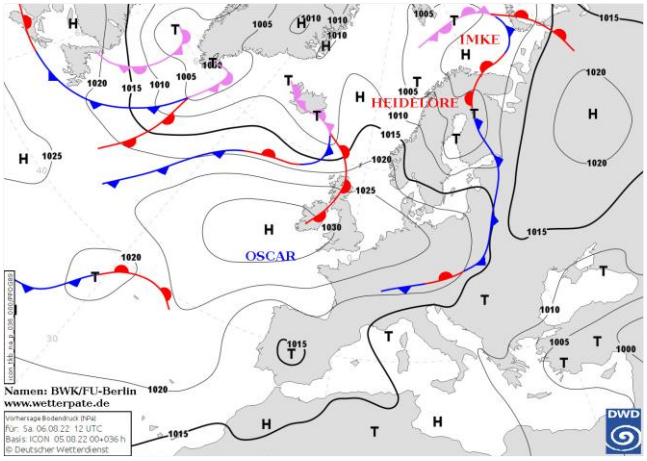
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 05 Agosto

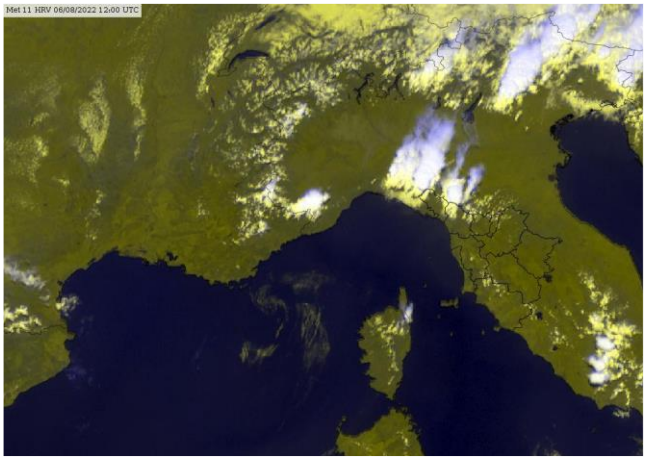


Sabato 6 Agosto 2022

Situazione: alta pressione con infiltrazioni di aria relativamente più fresca in quota con instabilità pomeridiana sul nord Italia e Appennino settentrionale.

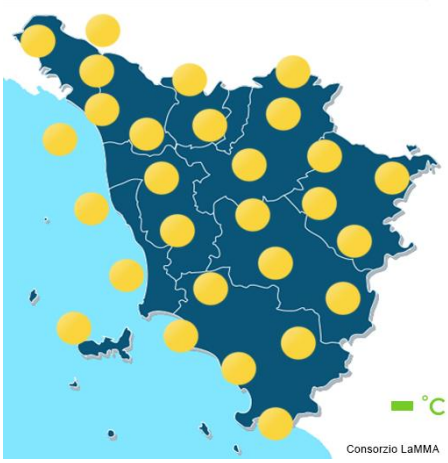


Pressione al suolo e fronti del 06 Agosto alle 12 UTC

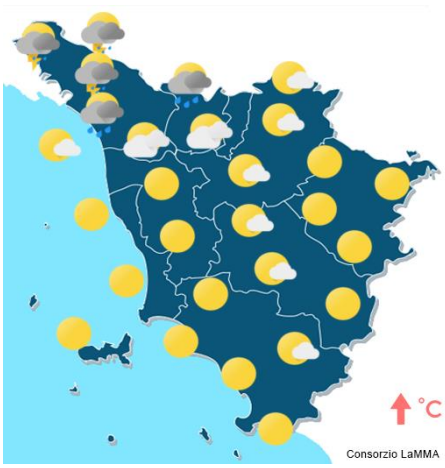


Meteosat HRV del 06 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: inizialmente sereno o poco nuvoloso con sviluppo di nubi cumuliformi nel corso del pomeriggio nell'interno, in particolare sui rilievi nord occidentali.

Fenomeni: temporali pomeridiani su Apuane e Appennino settentrionale con massimi fino a circa 40 mm sull'Appennino massese e

Venti: deboli da nord-est nell'interno, da nord-ovest sulla costa con rinforzi pomeridiani.

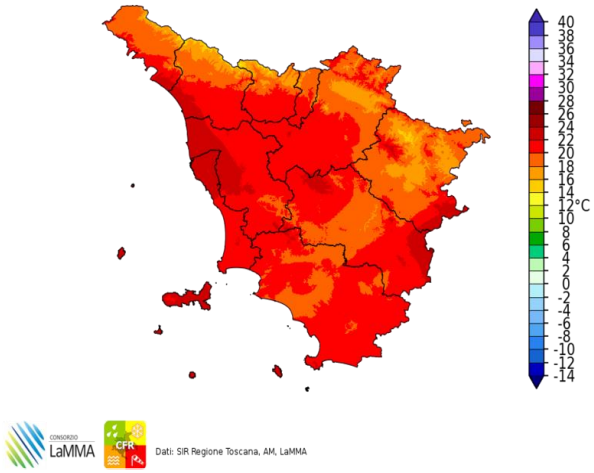
Mari: poco mossi, a tratti mossi nel pomeriggio.

Temperature: massime in lieve aumento nell'interno con punte fino a 40 °C.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	19	21	19	27	22	23	22	21	22	22
	anomalia*	3	2	1	6	3	3	4	3	3	3
T. max	osservata	38	40	37	30	34	31	33	37	39	38
	anomalia*	6	8	5	1	2	0	2	4	6	7
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

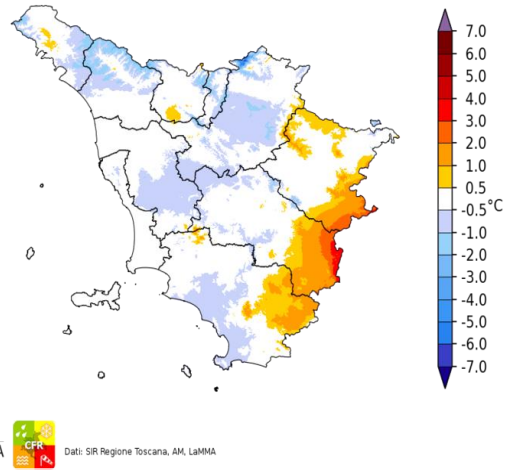
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 06/08/2022



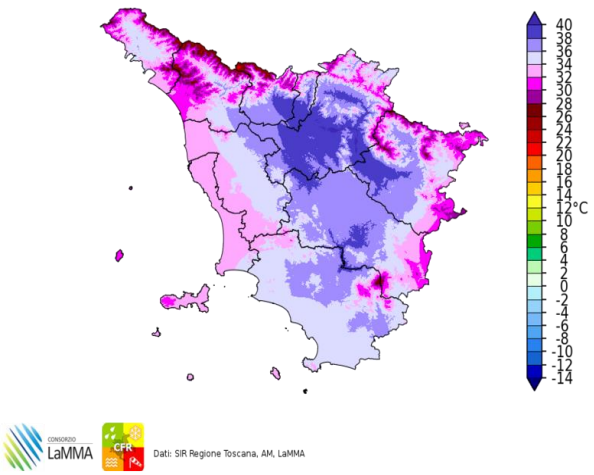
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 06/08/2022 e 05/08/2022



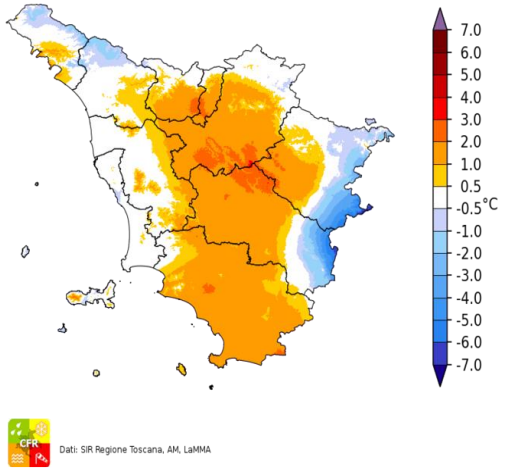
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 06/08/2022



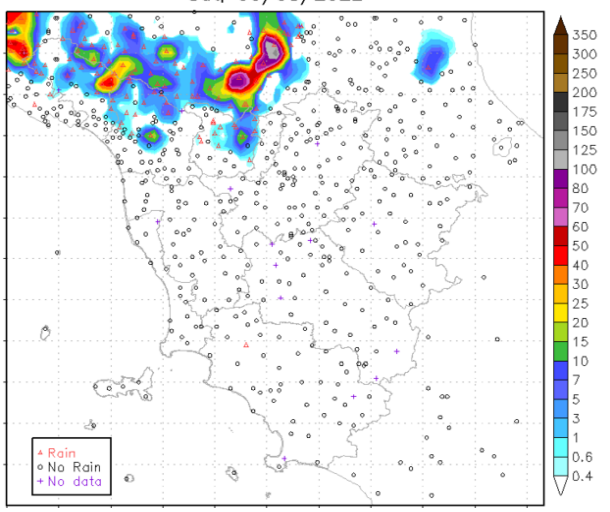
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 06/08/2022 e 05/08/2022

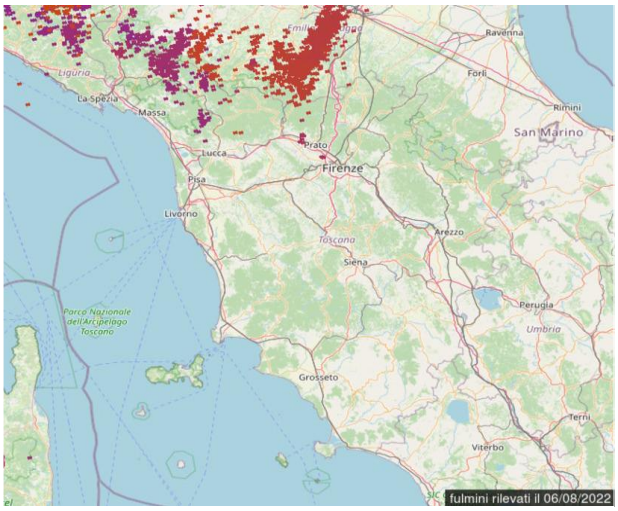


Dati: SIR Regione Toscana, AM, LaMMA

Total Precipitation [mm] cumulated on Sat, 06/08/2022

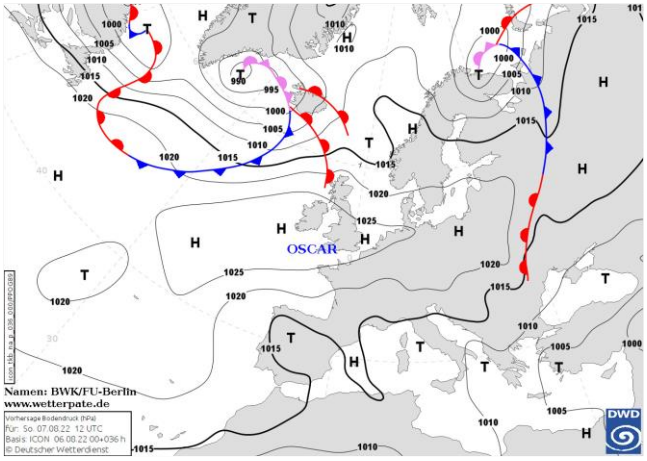


Fulminazioni osservate il giorno 06 Agosto

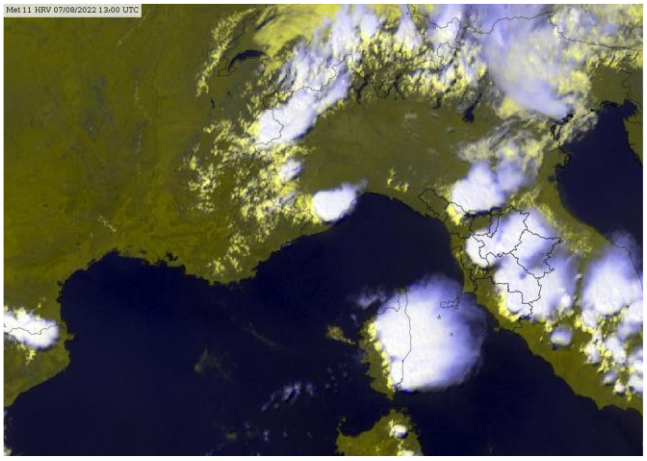


Domenica 7 Agosto 2022

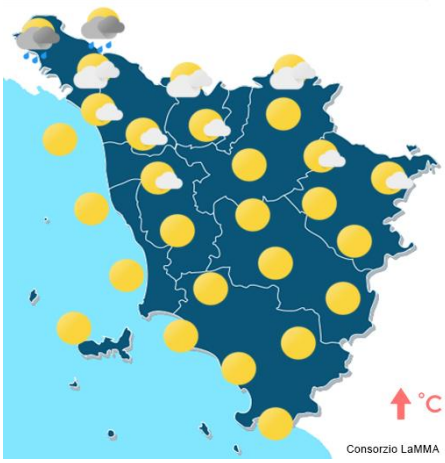
Situazione: l'estensione di un campo di alta pressione dalle Isole Britanniche alla Scandinavia determina un flusso relativamente più fresco da nord est sulla nostra penisola con condizioni di moderata instabilità



Pressione al suolo e fronti del 07 Agosto alle 12 UTC


Meteosat HRV del 07 Agosto alle 13 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso in mattinata con sviluppo di nubi cumuliformi sui rilievi. Nuvolosità variabile nel pomeriggio, a tratti intensa nelle zone interne.

Fenomeni: temporali sparsi, anche forti, sulle province centro meridionali (Pisa, Siena, Grosseto) e sui settori di nord ovest.

Venti: moderati da nord-est.

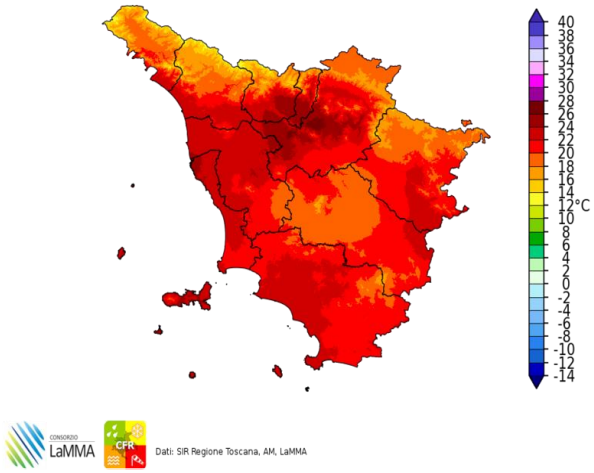
Mari: poco mossi, localmente mossi al largo.

Temperature: minime in aumento, massime in calo nelle zone interne, in aumento sulla costa.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	0	24	22	27	22	22	23	24	26	16
	anomalia*	-15	5	4	6	4	3	5	6	6	-2
T. max	osservata	34	36	37	34	36	34	37	32	33	33
	anomalia*	3	3	5	5	4	4	6	0	1	3
Precipitazione (mm/24ore)		0	0	0	0	0	4	0	0	0	13

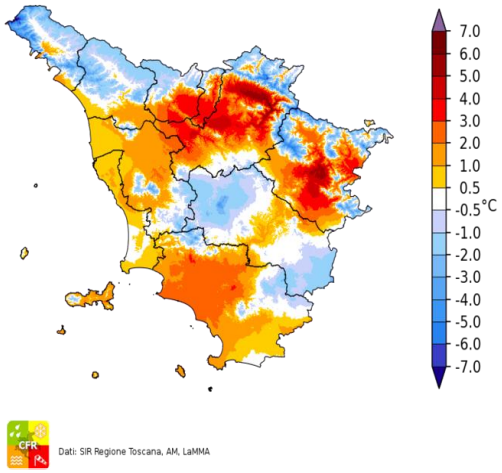
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 07/08/2022



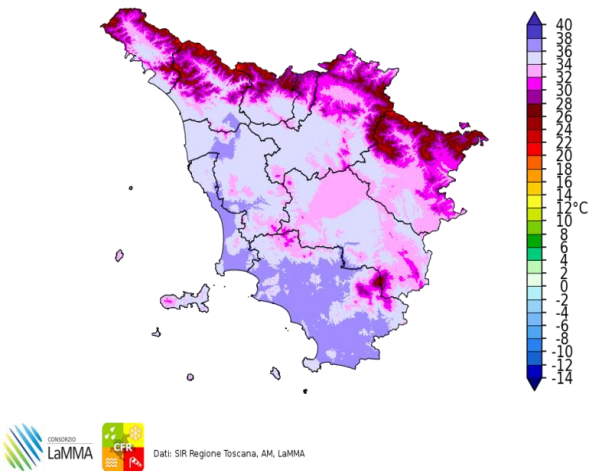
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 07/08/2022 e 06/08/2022



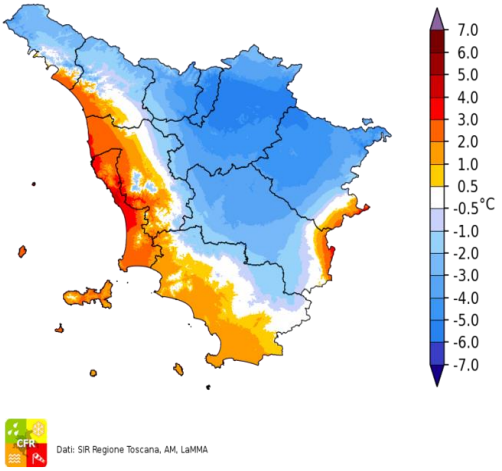
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 07/08/2022



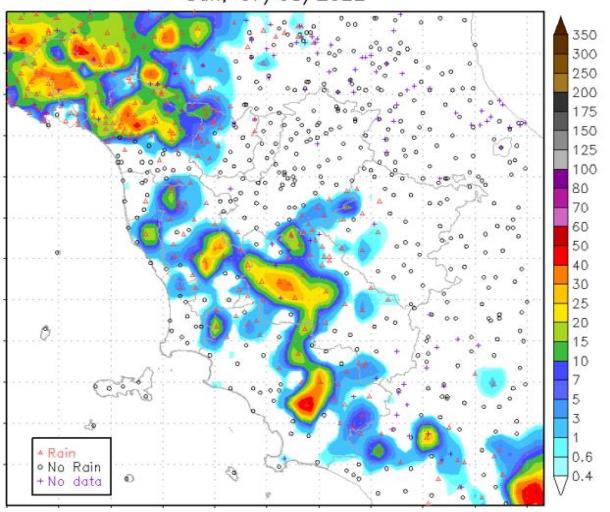
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 07/08/2022 e 06/08/2022

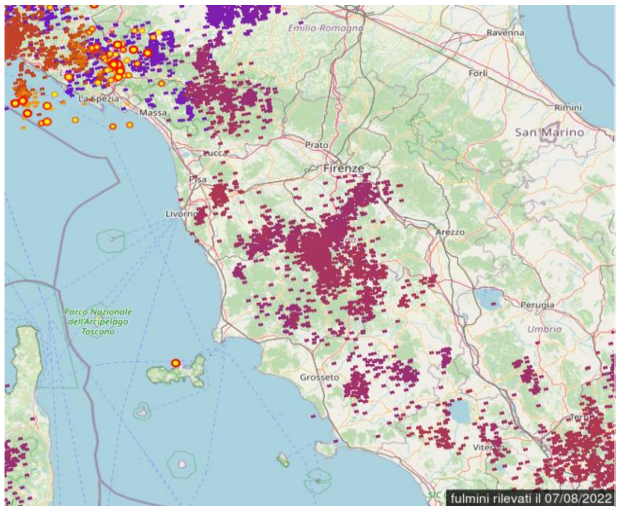


Dati: SIR Regione Toscana, AM, LaMMA

Total Precipitation [mm] cumulated on Sun, 07/08/2022

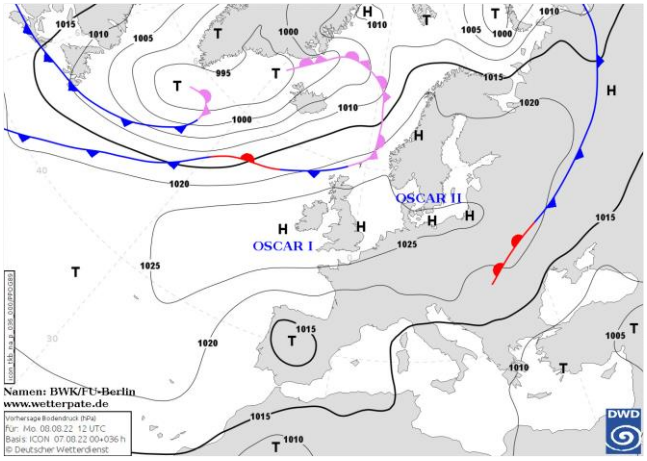


Fulminazioni osservate il giorno 07 Agosto

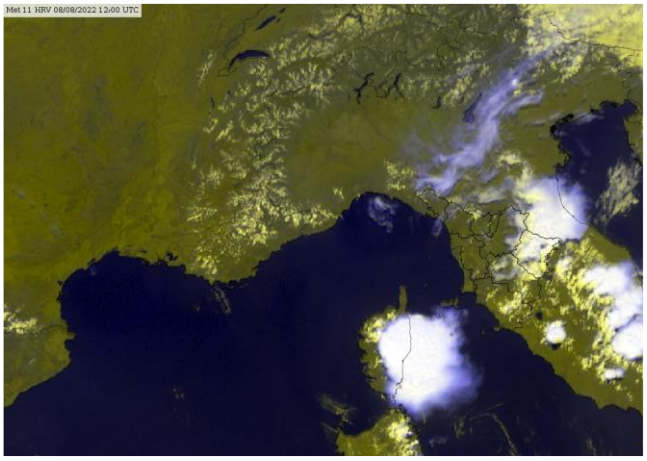


Lunedi' 8 Agosto 2022

Situazione: k'estensione di un campo di alta pressione dalle Isole Britanniche alla Scandinavia determina un flusso relativamente più fresco da nord est sulla nostra penisola con condizioni di maggiore instabilità atmosferica.



Pressione al suolo e fronti del 08 Agosto alle 12 UTC


Meteosat HRV del 08 Agosto alle 12 UTC

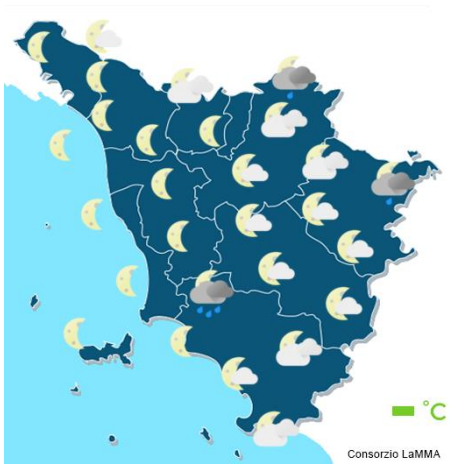
situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: parzialmente nuvoloso con ampie schiarite sulla costa.

Fenomeni: precipitazioni sul nord-ovest, localmente a carattere di breve temporale tra la notte e le prime ore della mattina in trasferimento verso est in mattinata. Nel pomeriggio isolati brevi rovesci in Appennino e temporali sparsi tra le province di Grosseto e Arezzo. In tarda serata deboli precipitazioni sull'alta Val Tiberina.
Venti: deboli o moderati da nord-est.

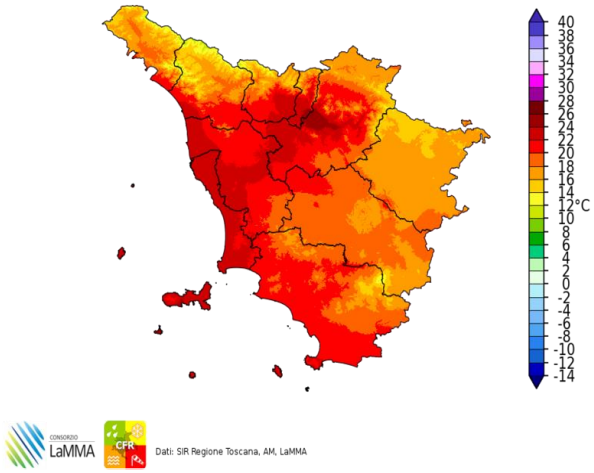
Mari: poco mossi o temporaneamente mossi al largo.

Temperature: in ulteriore lieve diminuzione.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	19	22	20	25	21	21	21	23	26	21
	anomalia*	3	3	2	3	3	2	2	5	6	2
T. max	osservata	30	35	36	30	36	32	34	33	34	34
	anomalia*	-2	2	5	1	4	2	3	1	1	3
Precipitazione (mm/24ore)		1	1	0	1	1	2	0	0	0	0

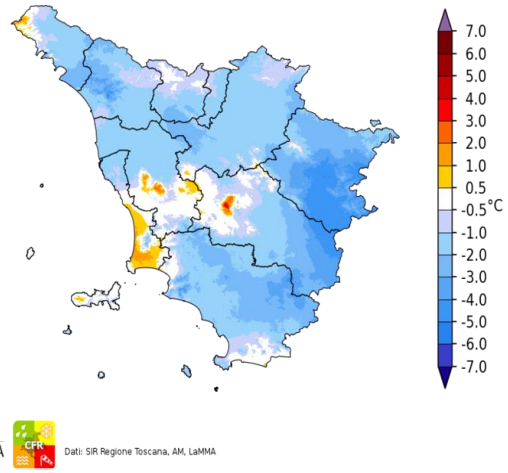
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 08/08/2022



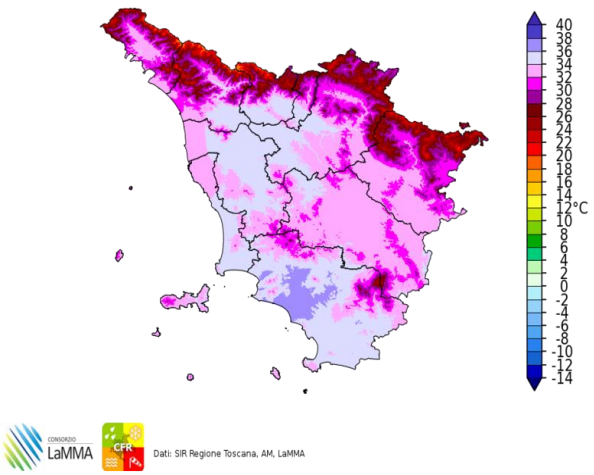
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 08/08/2022 e 07/08/2022



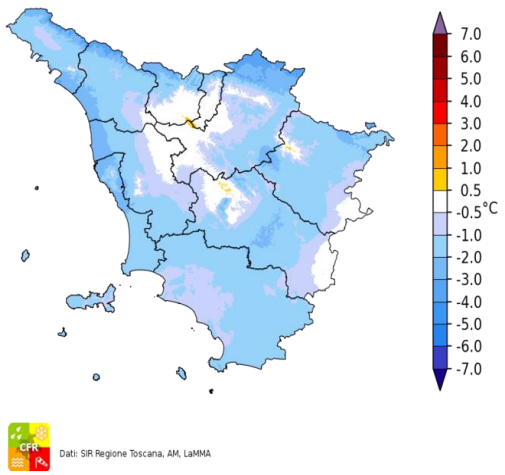
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 08/08/2022



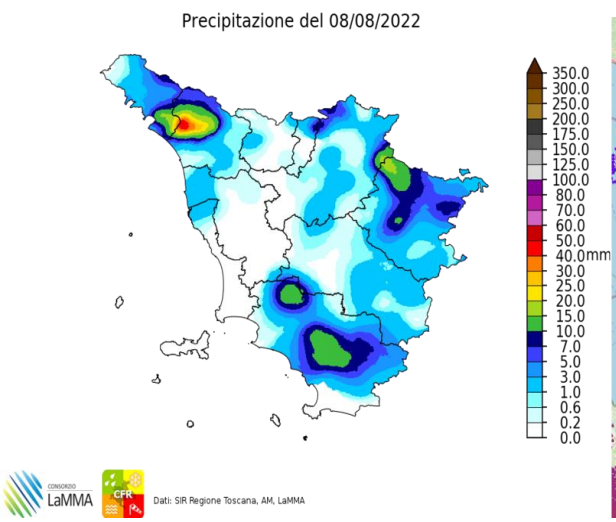
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 08/08/2022 e 07/08/2022



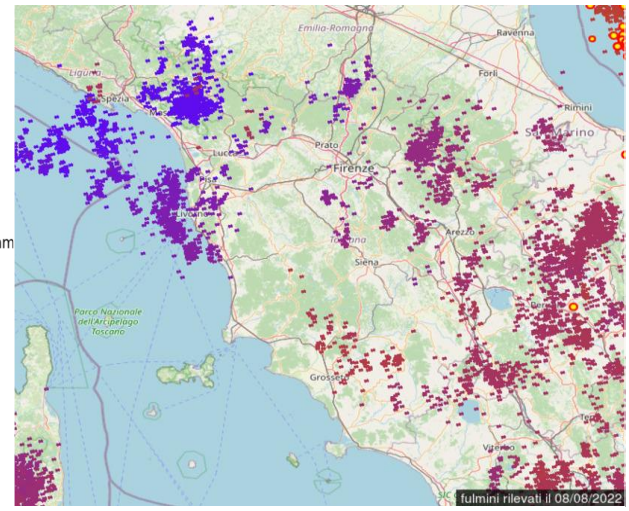
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 08/08/2022



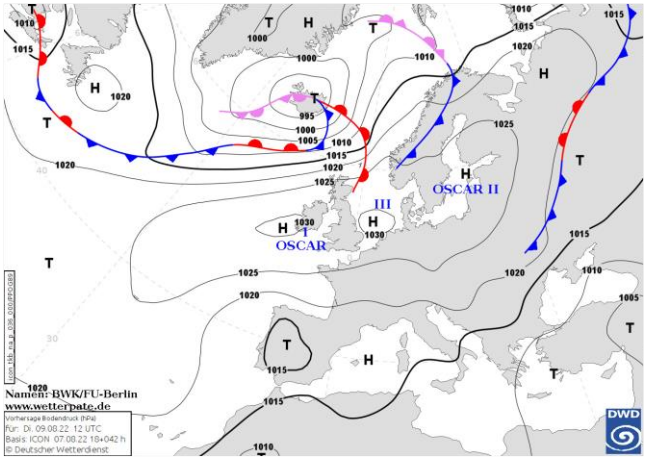
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 08 Agosto

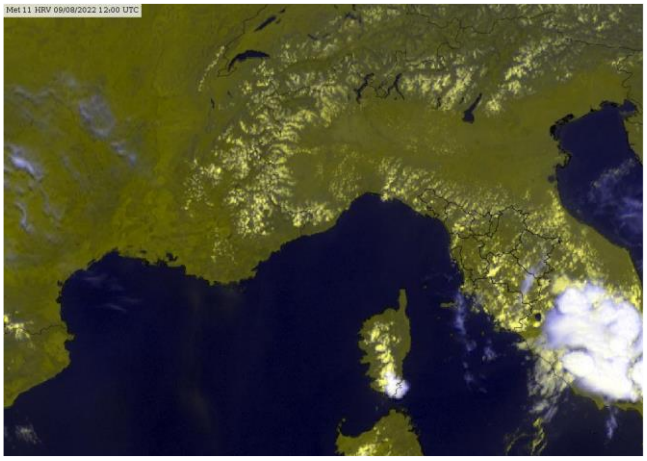


Martedi' 9 Agosto 2022

Situazione: l'alta pressione presente sull'Europa centrale estende la propria influenza all'Italia settentrionale e alla Toscana garantendo condizioni di stabilità.



Pressione al suolo e fronti del 09 Agosto alle 12 UTC


Meteosat HRV del 09 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno ma con sviluppo di nuvolosità cumuliforme nelle ore pomeridiane.

Fenomeni: locali rovesci o brevi temporali sulle zone meridionali e orientali.

Venti: deboli o moderati da nord est nell'interno, temporaneamente di Maestrale lungo la costa nel pomeriggio.

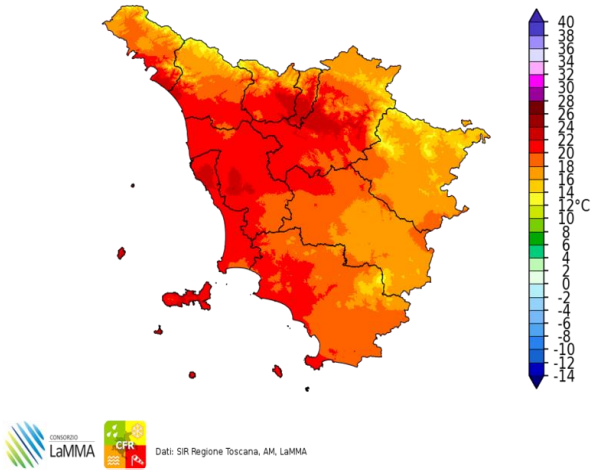
Mari: poco mossi, temporaneamente mossi nel pomeriggio-sera sul settore centro-meridionale.

Temperature: in lieve calo.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	19	22	20	25	21	23	21	23	25	20
	anomalia*	4	4	2	3	2	3	2	5	5	2
T. max	osservata	32	34	33	31	34	30	34	32	34	32
	anomalia*	0	1	2	2	3	0	3	-1	1	1
Precipitazione (mm/24ore)		1	0	0	0	0	0	0	0	0	0

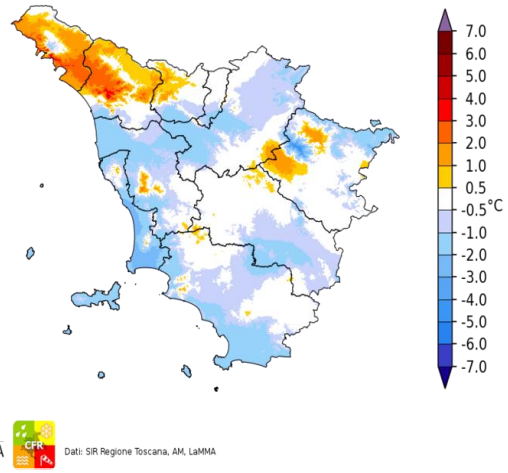
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 09/08/2022



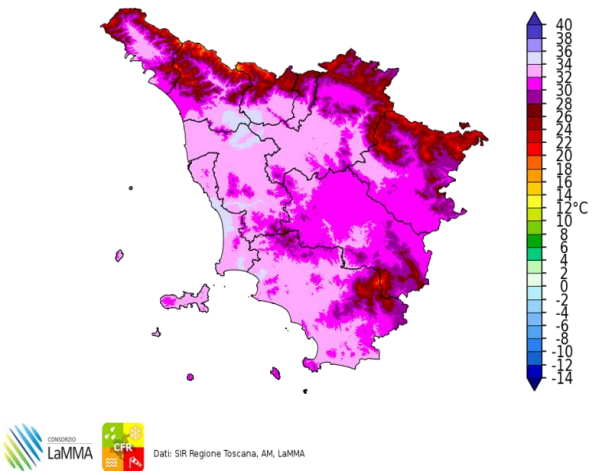
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 09/08/2022 e 08/08/2022



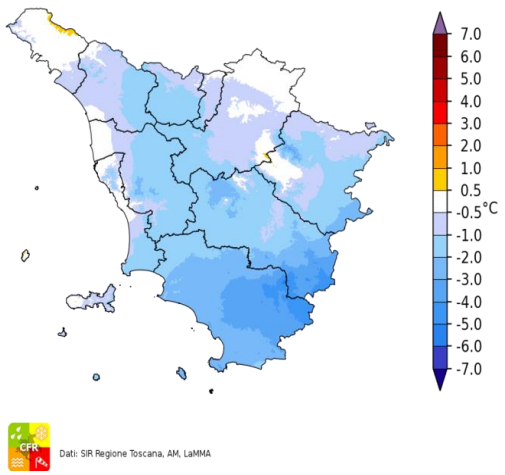
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 09/08/2022



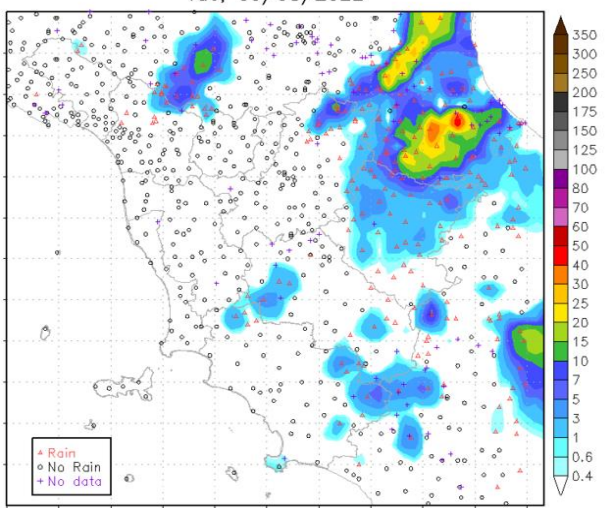
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 09/08/2022 e 08/08/2022

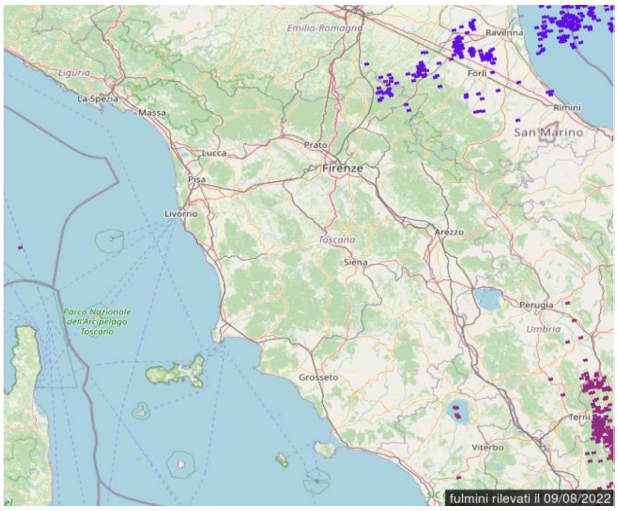


Dati: SIR Regione Toscana, AM, LaMMA

Total Precipitation [mm] cumulated on Tue, 09/08/2022

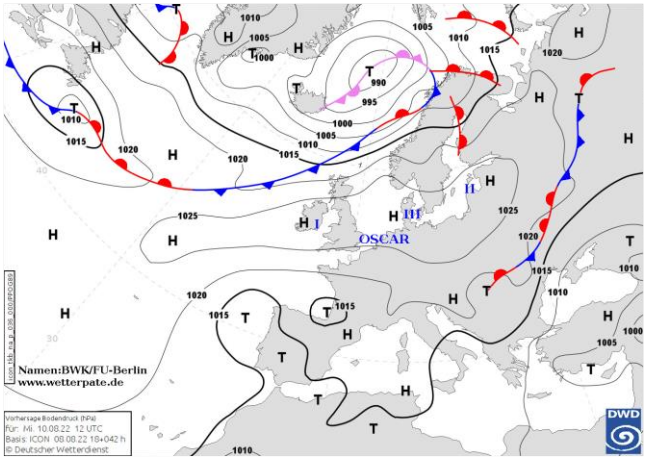


Fulminazioni osservate il giorno 09 Agosto

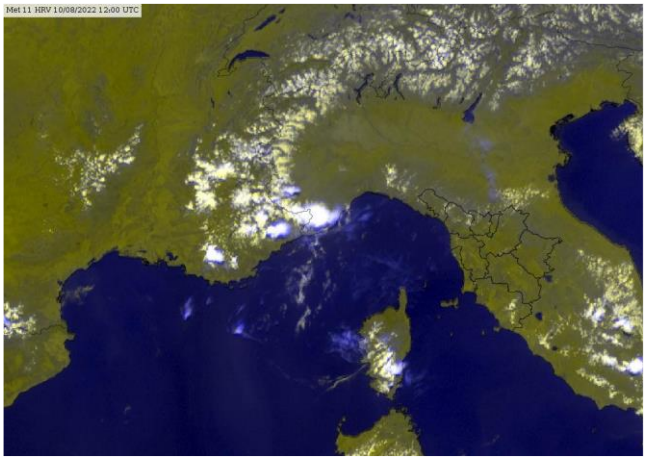


Mercoledi' 10 Agosto 2022

Situazione: alta pressione e tempo stabile.

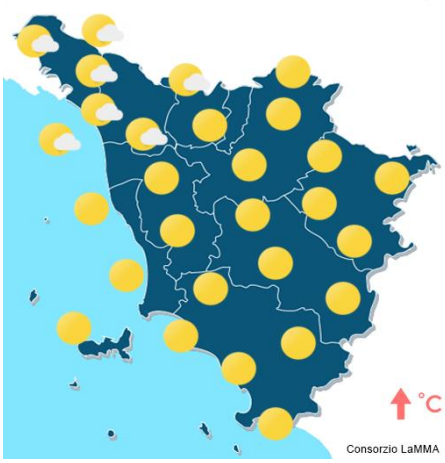


Pressione al suolo e fronti del 10 Agosto alle 12 UTC

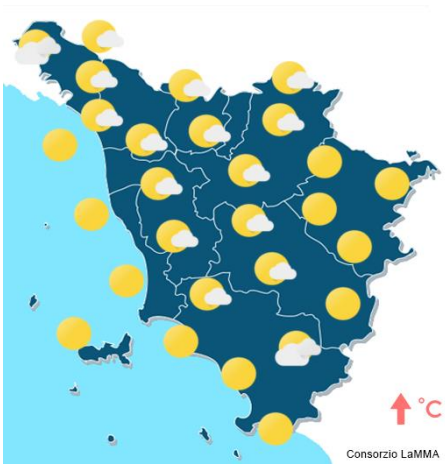


Meteosat HRV del 10 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso.

Fenomeni: nessuno.

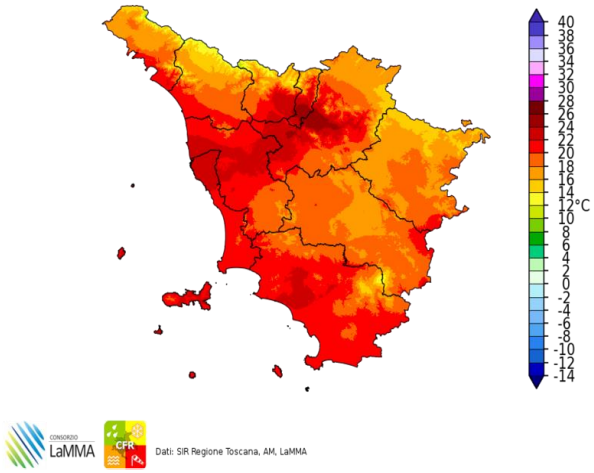
Venti: deboli dai quadranti settentrionali, da nord-est nell'interno con rinforzi pomeridiani; temporaneamente di Maestrale lungo la costa.
Mari: poco mossi o temporaneamente mossi sui settori centro-meridionali nel pomeriggio-sera.

Temperature: in leggero aumento.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	0	21	22	25	20	22	21	23	24	21
	anomalia*	-15	2	4	4	1	3	3	4	4	2
T. max	osservata	33	35	36	32	35	32	34	33	34	32
	anomalia*	1	2	4	3	4	1	4	0	1	2
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

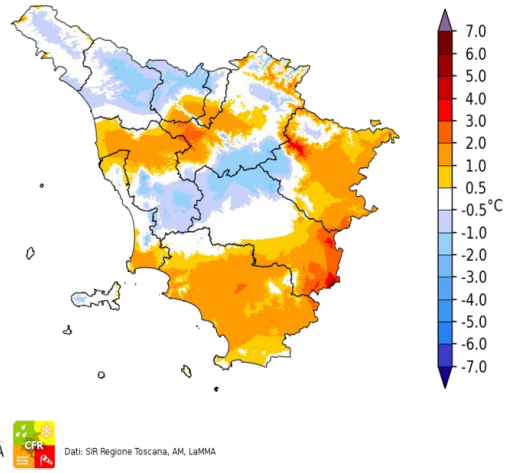
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 10/08/2022



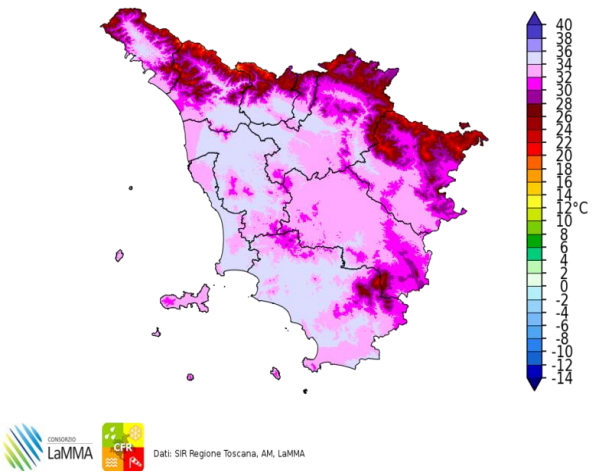
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 10/08/2022 e 09/08/2022



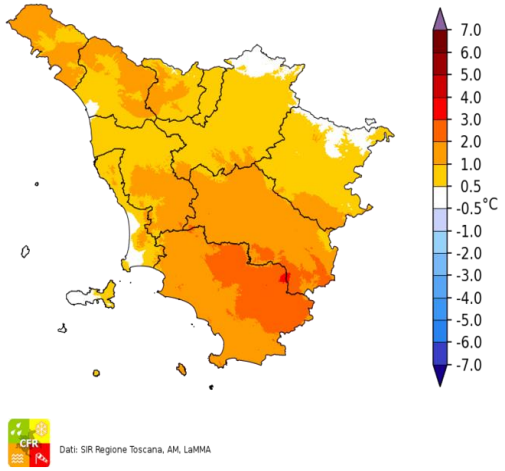
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 10/08/2022



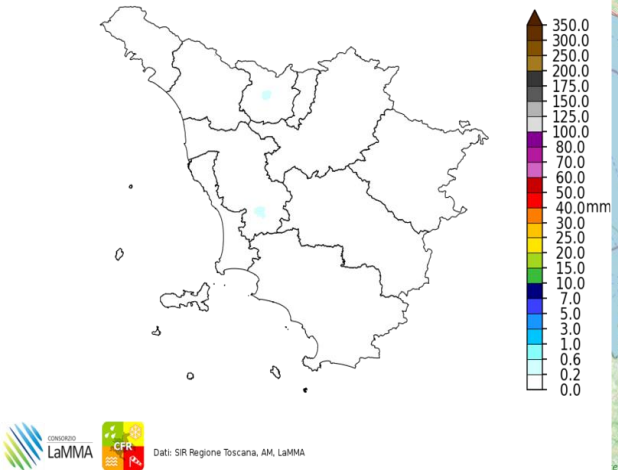
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 10/08/2022 e 09/08/2022



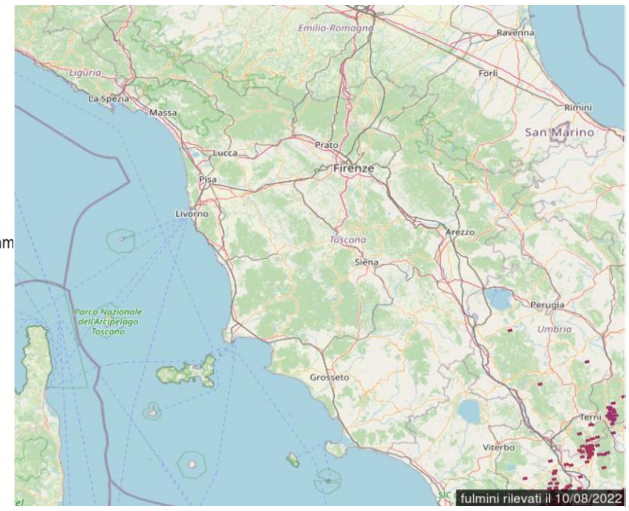
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 10/08/2022



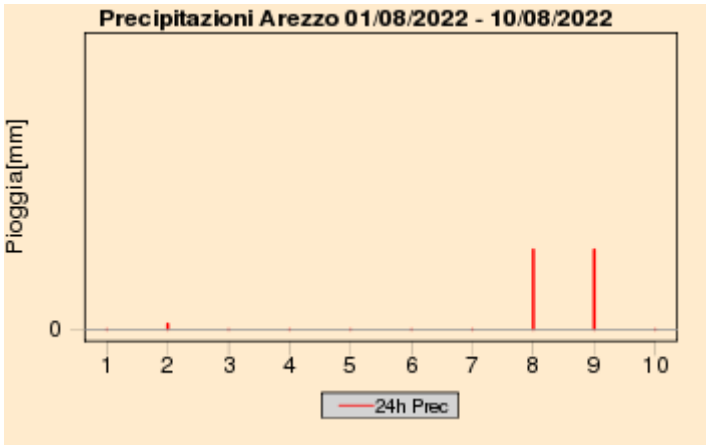
Dati: SIR Regione Toscana, AM, LaMMA

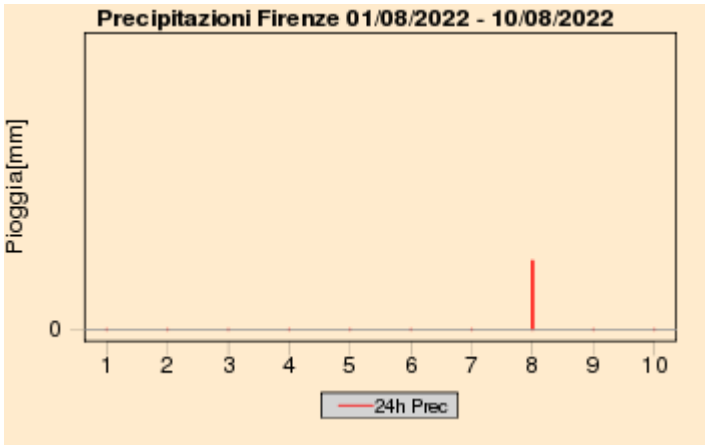
Fulminazioni osservate il giorno 10 Agosto

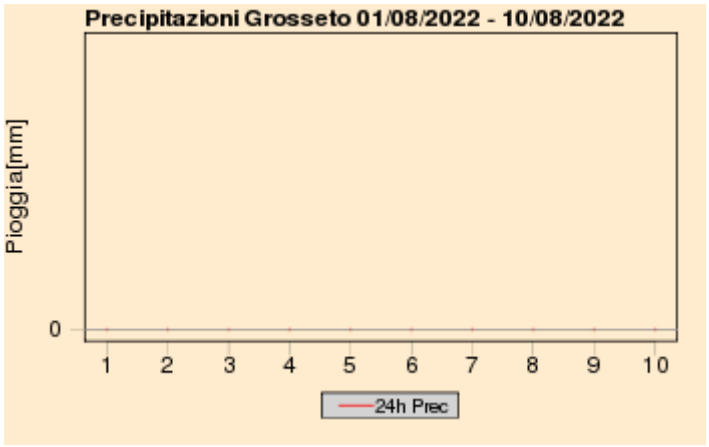


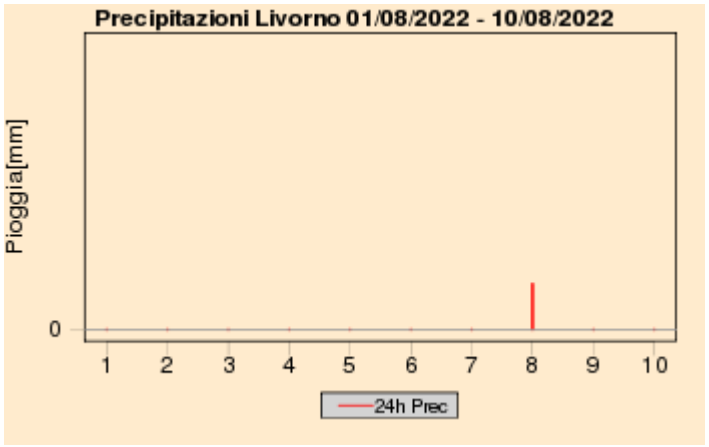
I decade - Quadro regionale – Precipitazioni

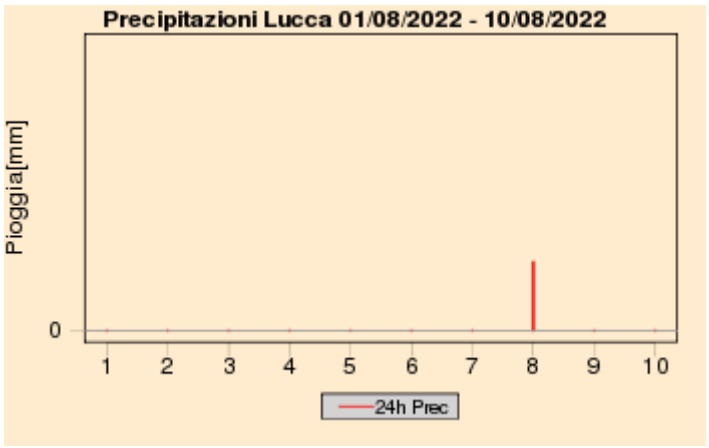
Nel corso della prima decade di Agosto si sono avute condizioni di instabilità atmosferica, in particolare a fine decade, che hanno favorito l'occorrenza di rovesci e temporali estivi, che hanno interessato, a macchia di leopardo, le zone interne, in particolare Apuane, Appennino e rilievi interni centro meridionali; su queste zone si sono cumulati localmente fino a 60-80 mm. Sul litorale e su gran parte delle pianure le precipitazioni sono state invece assenti o poco rilevanti.

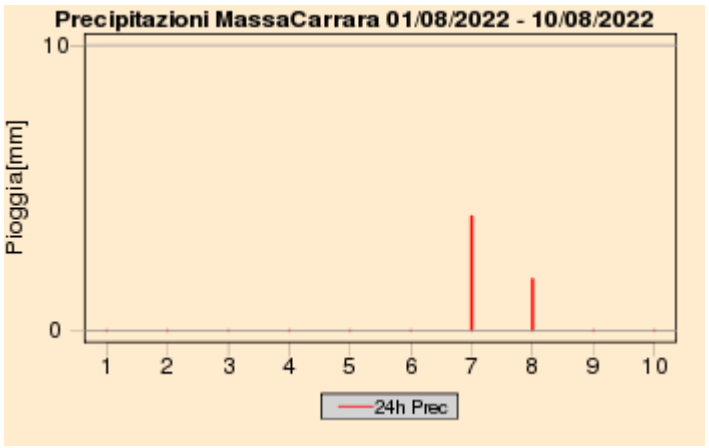


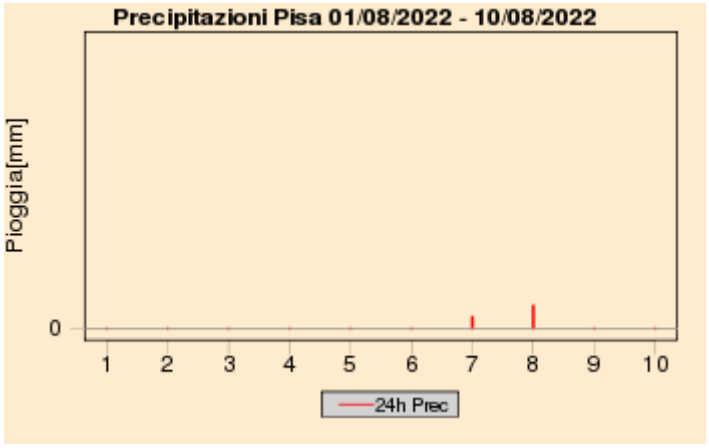


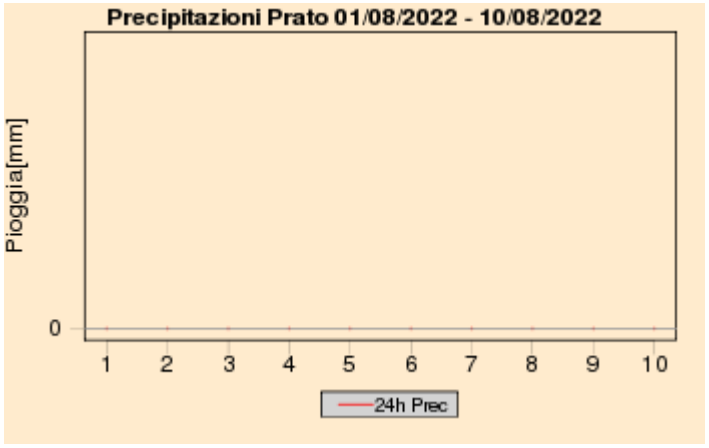


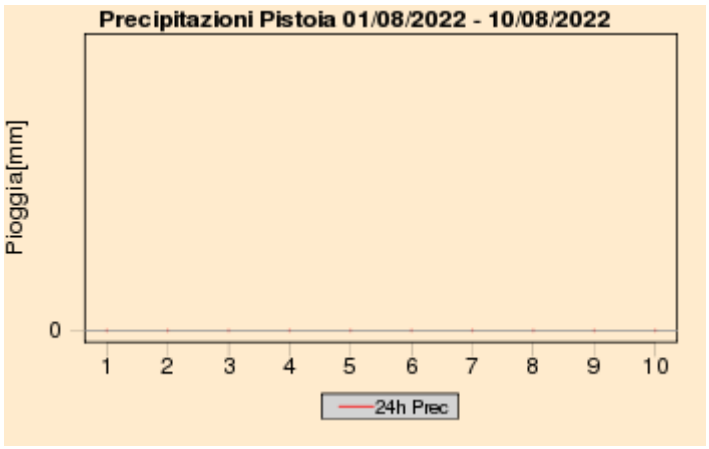


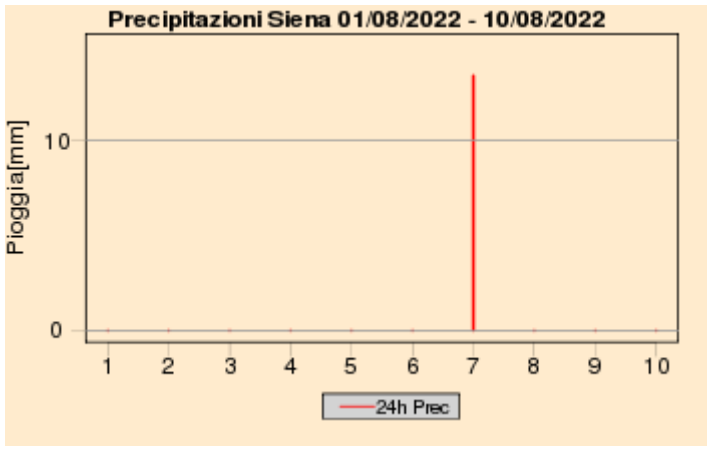




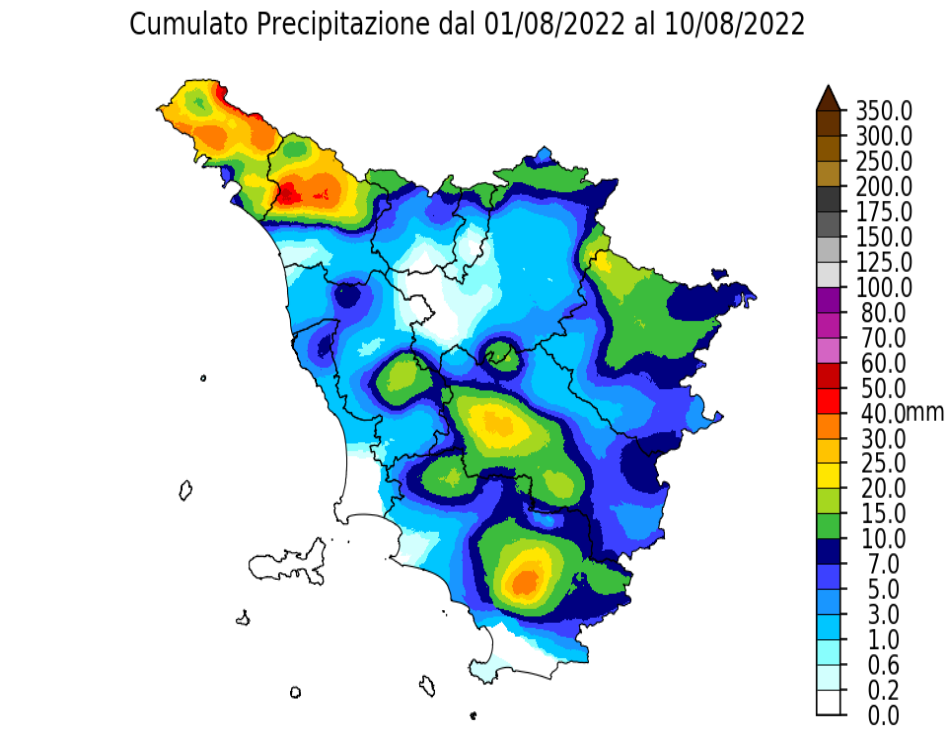






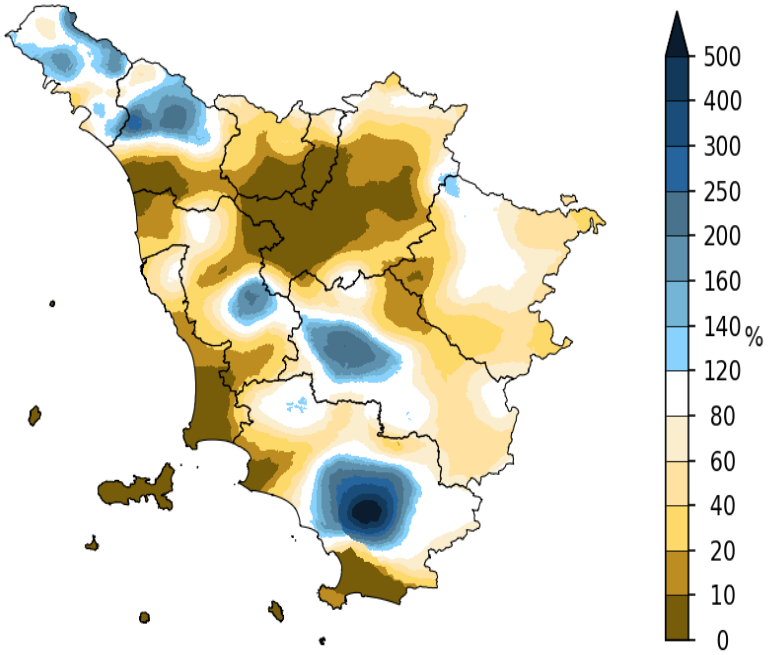


Quadro regionale – Cumulati decadali di precipitazione, anomalia di precipitazione e numero di giorni di pioggia



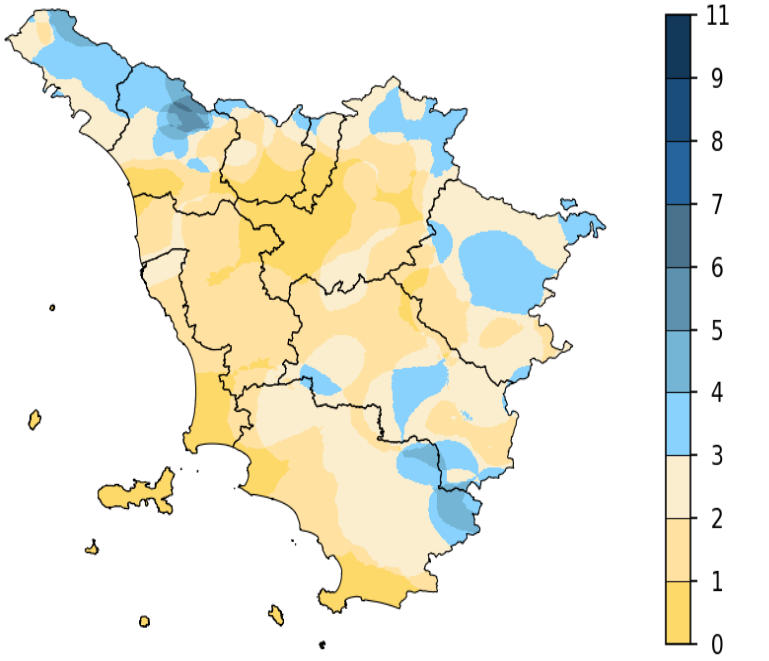
Dati: SIR Regione Toscana, AM, LaMMA

Percentuale di Precipitazione rispetto alla media climatica
dal 01/08/2022 al 10/08/2022



Dati: SIR Regione Toscana, AM, LaMMA

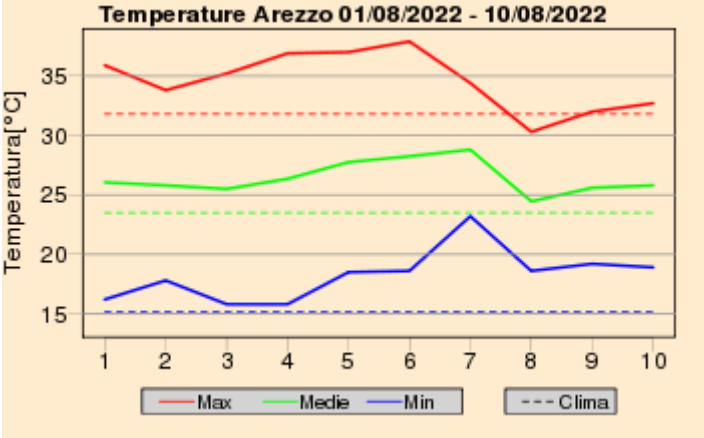
Giorni con Pioggia ≥ di 1 mm dal 01/08/2022 al 10/08/2022

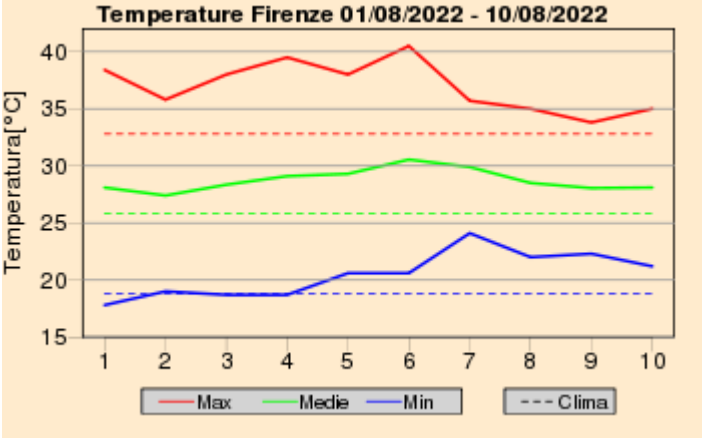


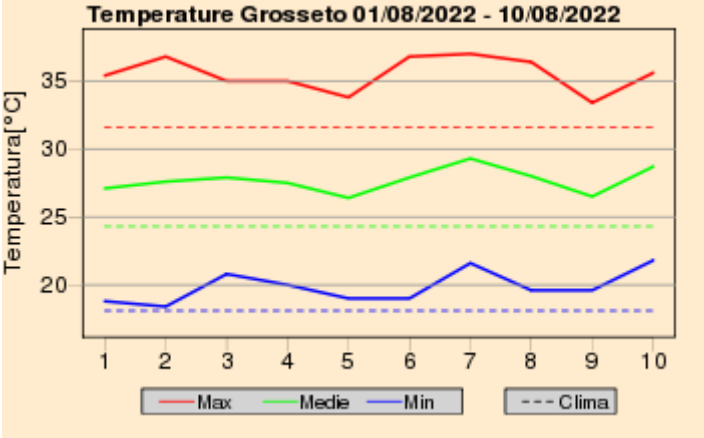
Dati: SIR Regione Toscana, AM, LaMMA

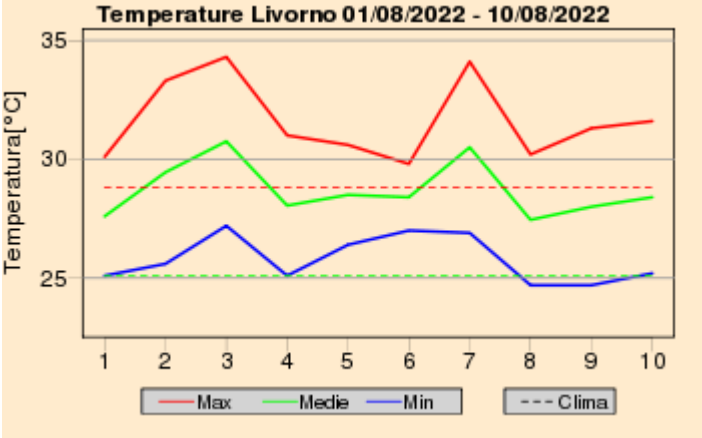
I decade - Quadro regionale – Temperature

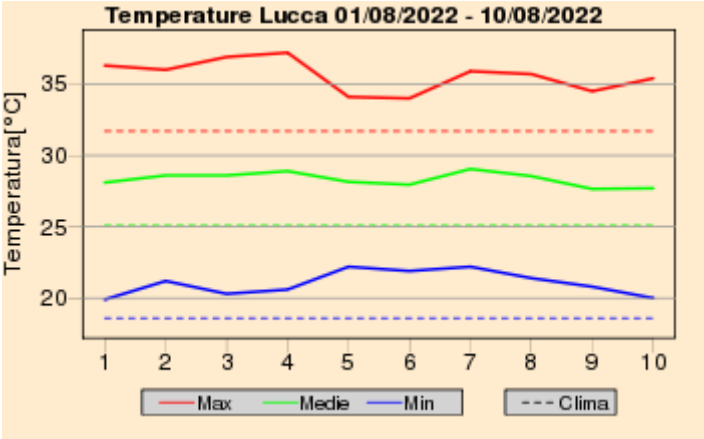
La prima decade di Agosto è risultata più calda della media su tutta la regione; le anomalie positive più marcate sono state registrate in particolare per le temperature massime giornaliere, che localmente sono risultate fino a 3-4 gradi oltre i valori di riferimento. Le minime hanno fatto invece registrare scarti dalle medie più contenuti.

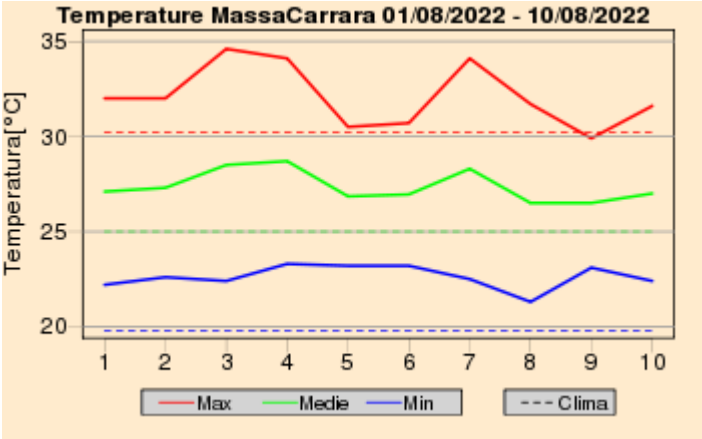


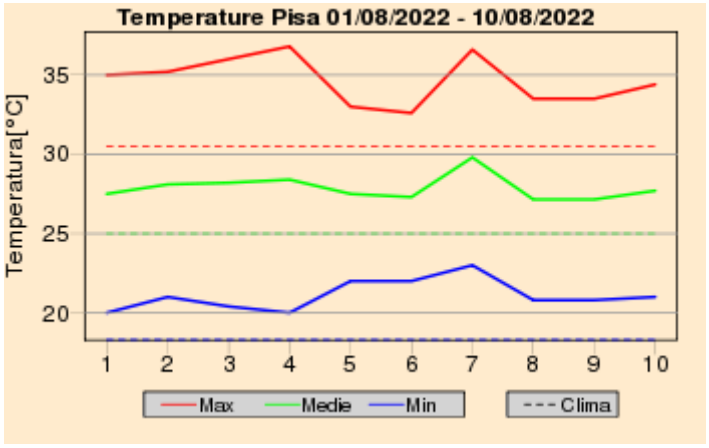


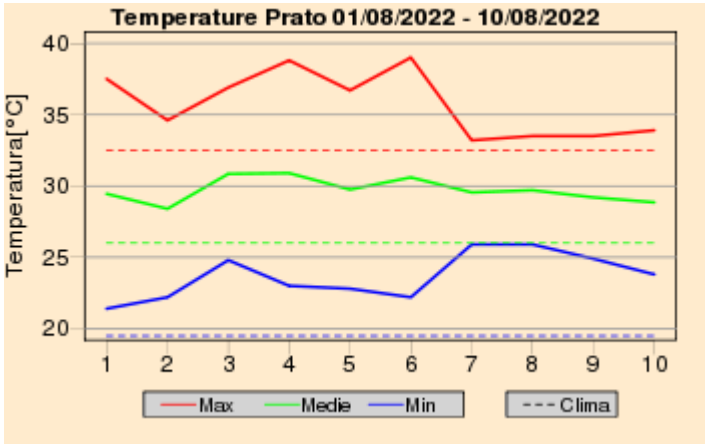


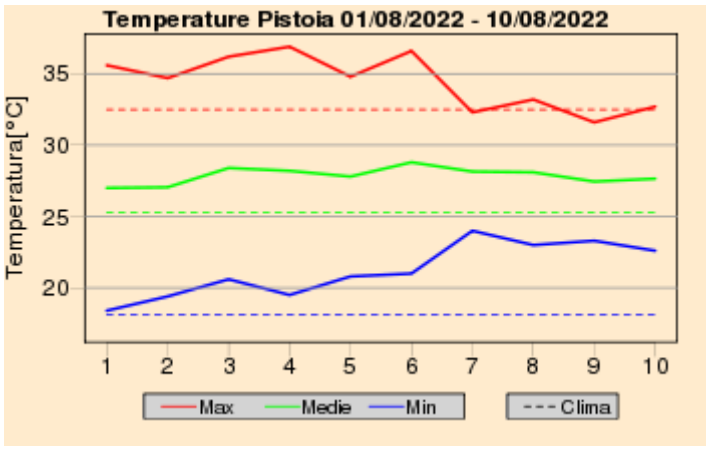


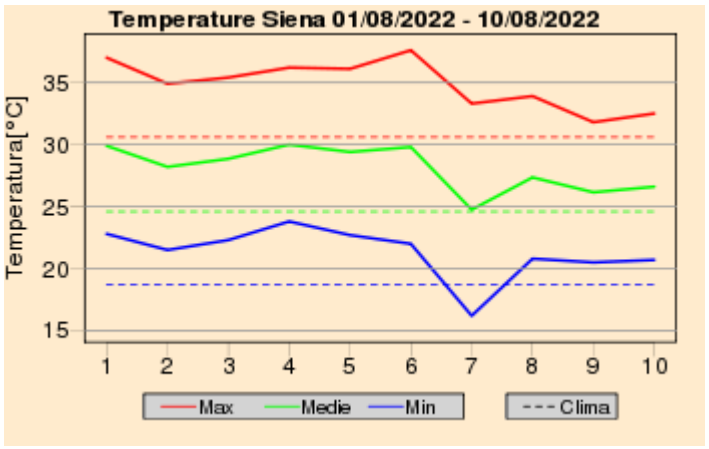




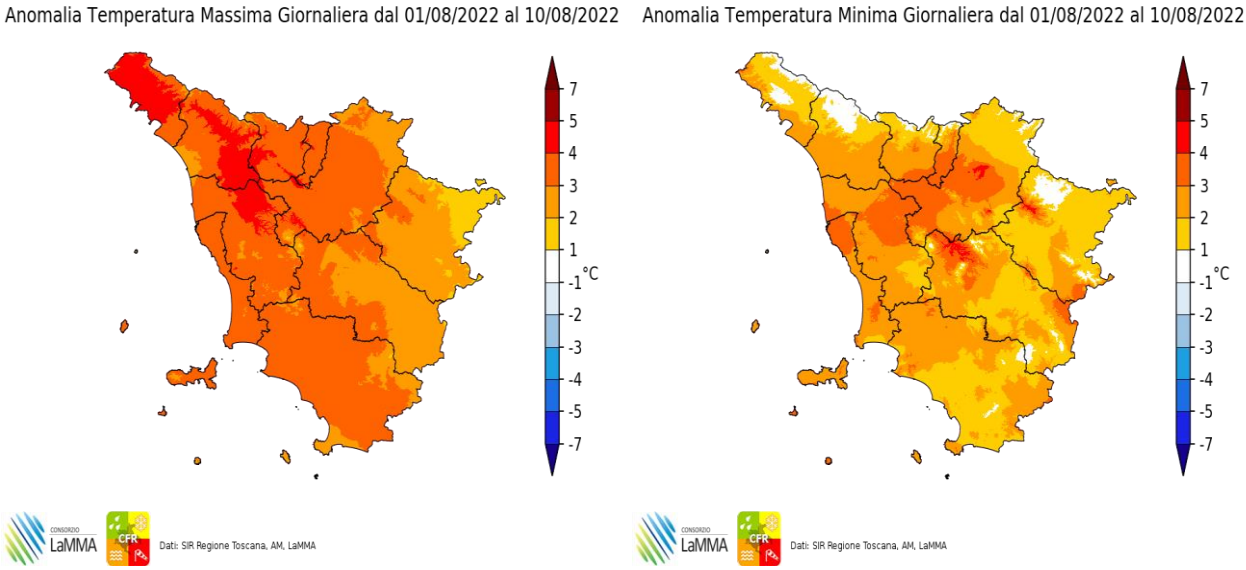








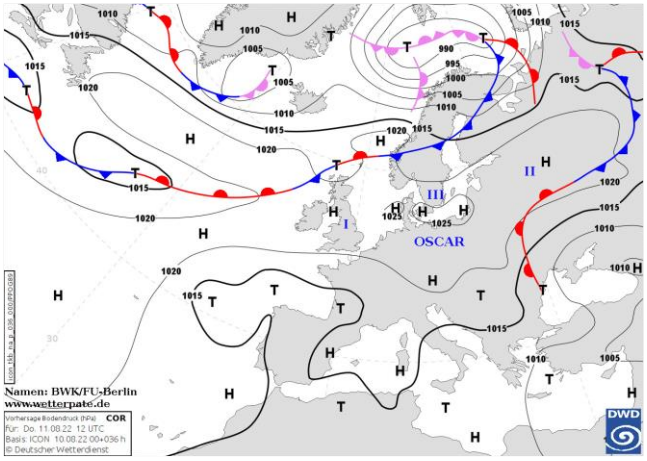
Quadro regionale – Anomalie termiche



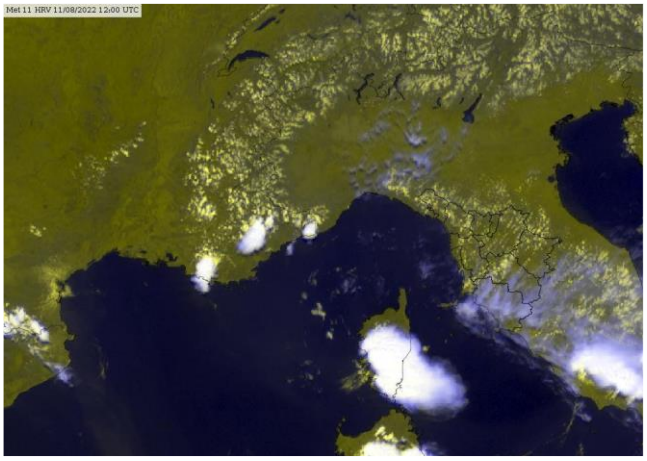
Anomalia termica decadale per le temperature massime e minime giornaliere

Giovedi' 11 Agosto 2022

Situazione: sull'Italia centro settentrionale è presente un campo di alta pressione che garantisce condizioni di tempo stabile.



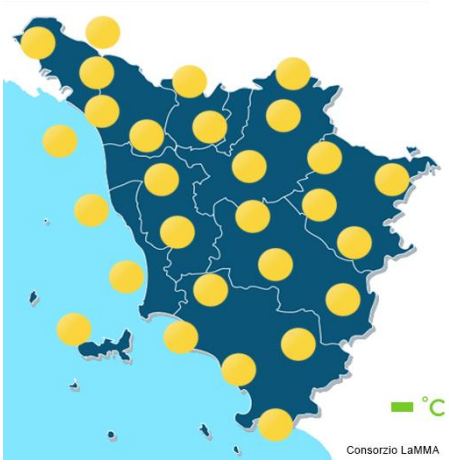
Pressione al suolo e fronti del 11 Agosto alle 12 UTC


Meteosat HRV del 11 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: in prevalenza poco nuvoloso.

Fenomeni: niente da segnalare.

Venti: deboli o localmente moderati da nord-est. Moderati di Maestrale nel pomeriggio lungo la costa.

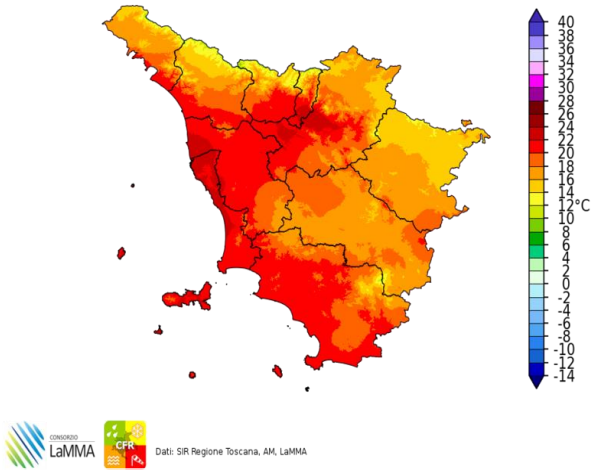
Mari: poco mossi, temporaneamente mossi nel pomeriggio-sera sui settori centro-meridionali.

Temperature: in lieve calo.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	16	19	18	25	20	22	19	21	23	20
	anomalia*	1	0	0	4	2	2	1	3	4	1
T. max	osservata	32	34	34	30	34	30	33	32	34	31
	anomalia*	0	1	3	2	3	0	3	0	1	1
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

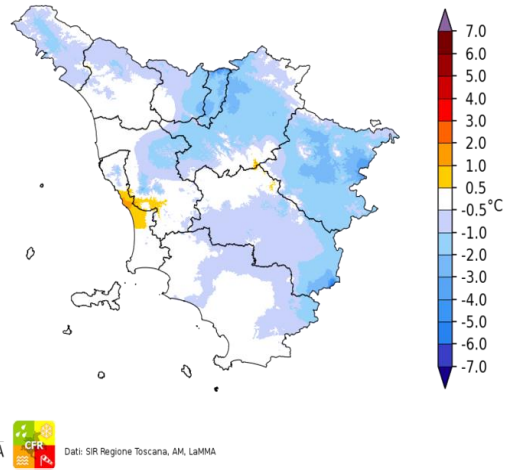
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 11/08/2022



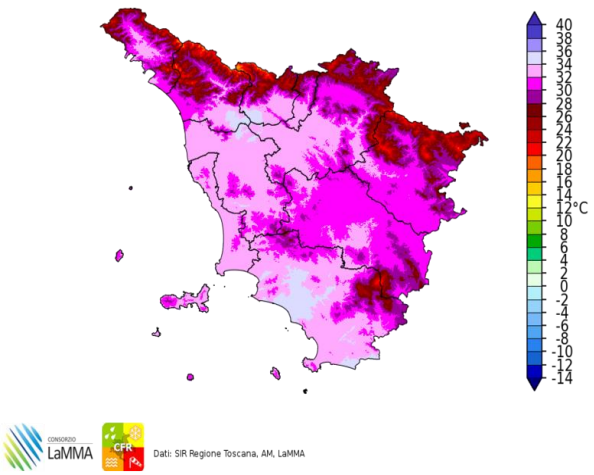
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 11/08/2022 e 10/08/2022



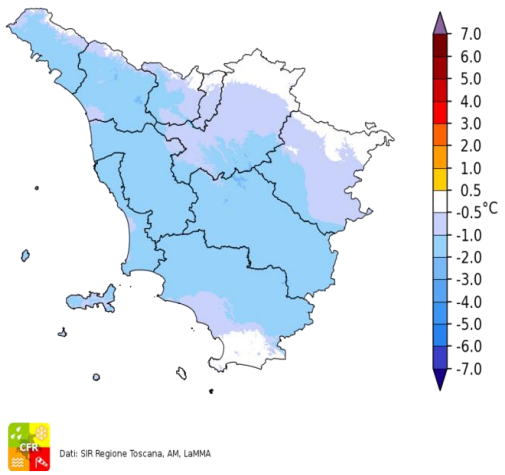
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 11/08/2022



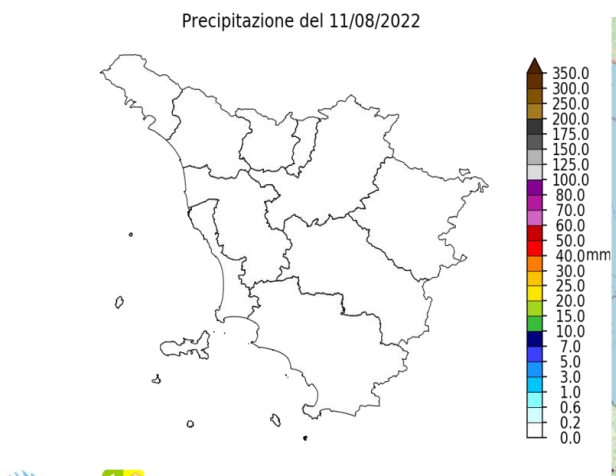
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 11/08/2022 e 10/08/2022



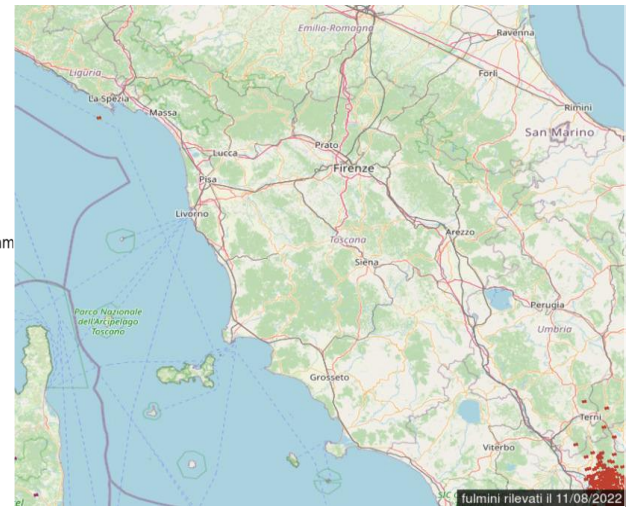
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 11/08/2022



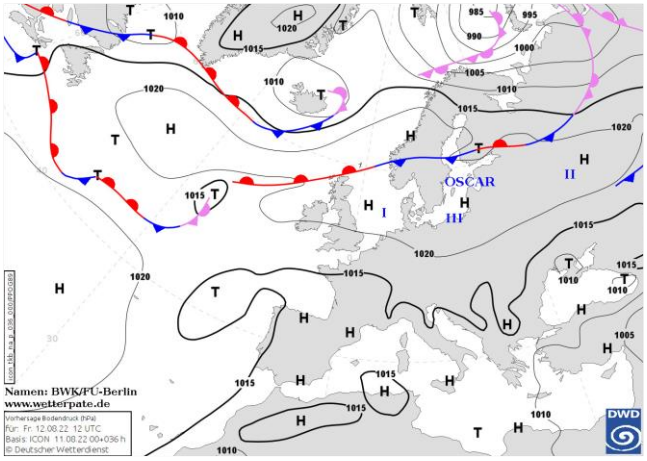
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 11 Agosto

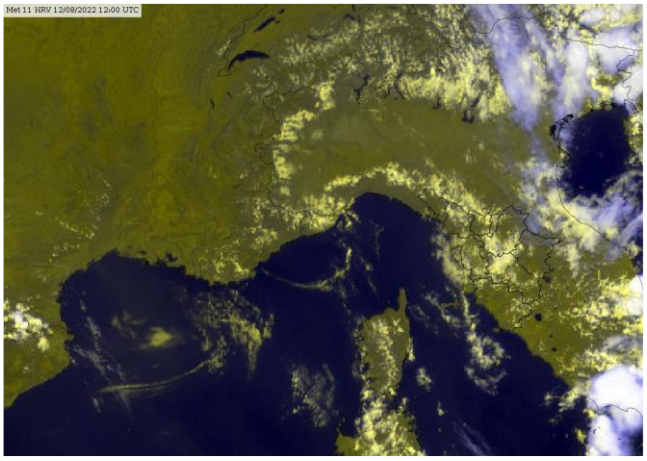


Venerdi' 12 Agosto 2022

Situazione: un nucleo di aria fresca in quota porta condizioni di instabilità sulla penisola con rovesci o temporali sparsi, localmente anche forti.



Pressione al suolo e fronti del 12 Agosto alle 12 UTC


Meteosat HRV del 12 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: nuvoloso, peggioramento in serata a partire dalle zone interne.

Fenomeni: locali rovesci in mattinata e nel pomeriggio, peggioramento in serata con temporali sulle zone interne, localmente anche forti e accompagnati da colpi di vento.

Venti: deboli variabili, rinforzi serali da nord-est.

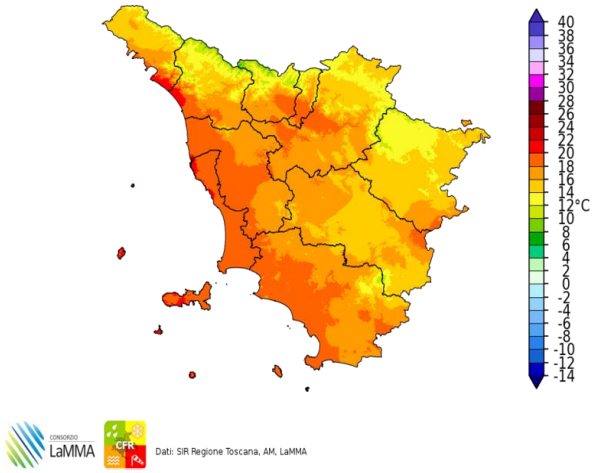
Mari: poco mossi.

Temperature: stazionarie con punte di 33-34 gradi, in deciso calo in serata sulle zone interne.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	16	17	18	23	18	21	18	17	18	17
	anomalia*	1	-2	0	2	0	1	0	0	-2	-2
T. max	osservata	30	34	32	29	33	30	32	31	33	30
	anomalia*	-1	1	1	1	2	1	2	-1	0	0
Precipitazione (mm/24ore)		2	5	0	0	1	0	N.D.	16	10	6

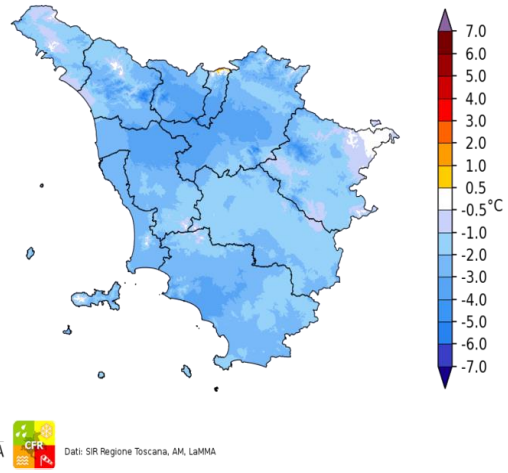
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 12/08/2022



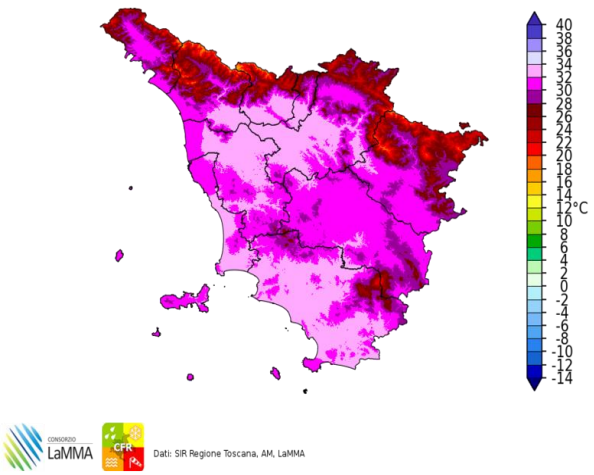
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 12/08/2022 e 11/08/2022



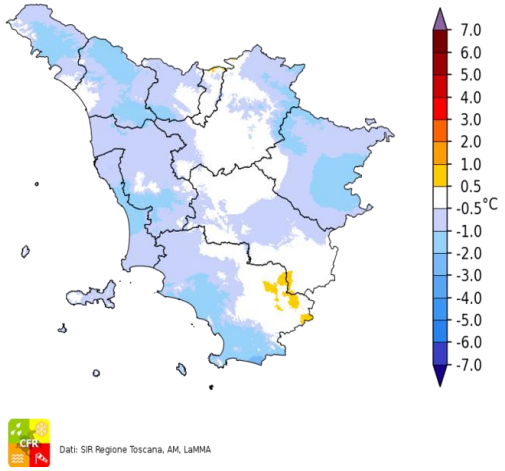
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 12/08/2022



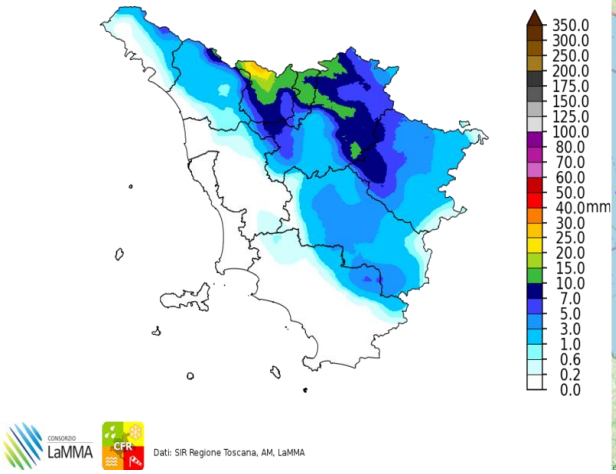
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 12/08/2022 e 11/08/2022



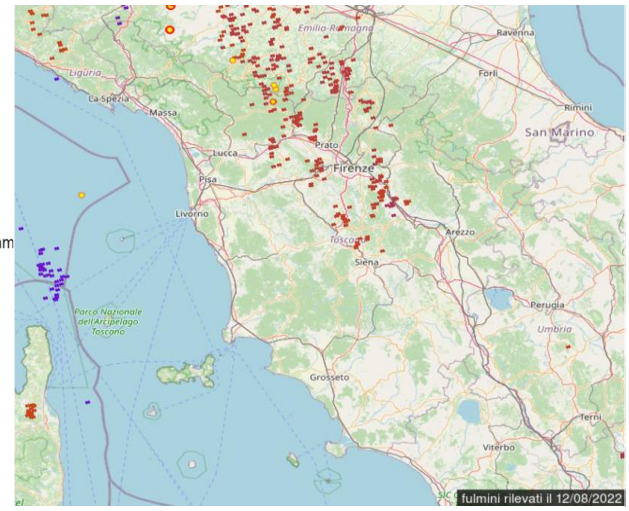
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 12/08/2022



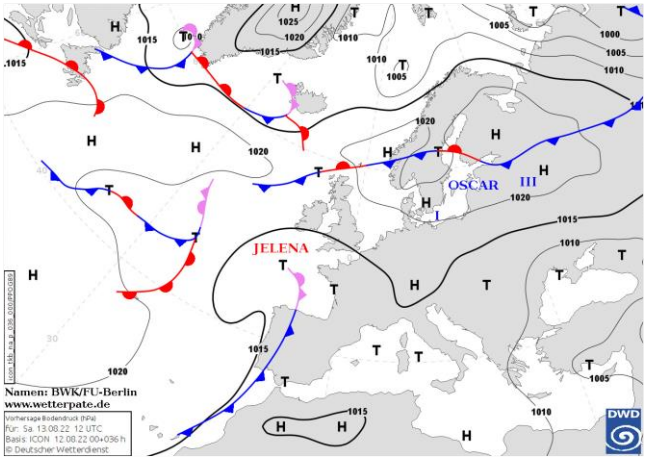
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 12 Agosto

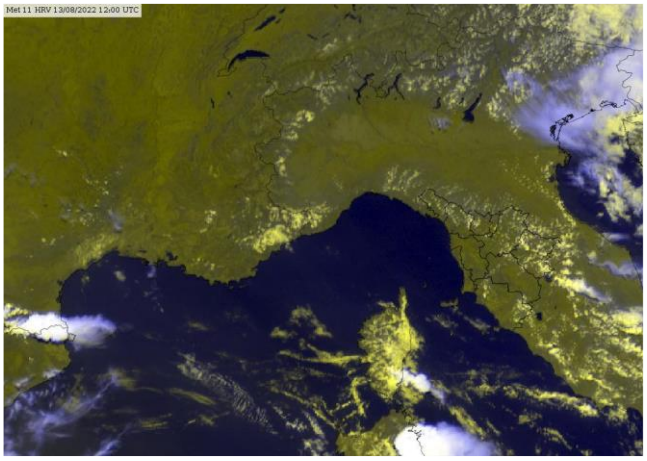


Sabato 13 Agosto 2022

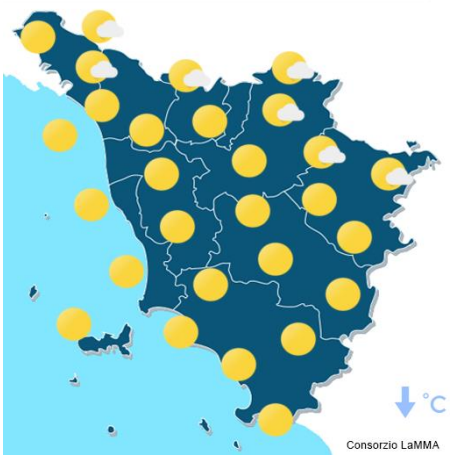
Situazione: aria fresca in quota sui versanti adriatici in movimento verso SE, nuovo promontorio anticiclonico in formazione sulla Francia.



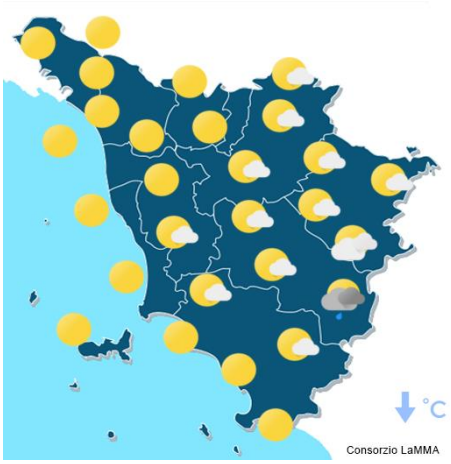
Pressione al suolo e fronti del 13 Agosto alle 12 UTC


Meteosat HRV del 13 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: poco nuvoloso.

Fenomeni: nottetempo residui rovesci sparsi, tempo in prevalenza stabile dalle prime ore della mattina.

Venti: in prevalenza deboli da NO sulla costa da NE nell'interno. Locali rinforzi al pomeriggio.

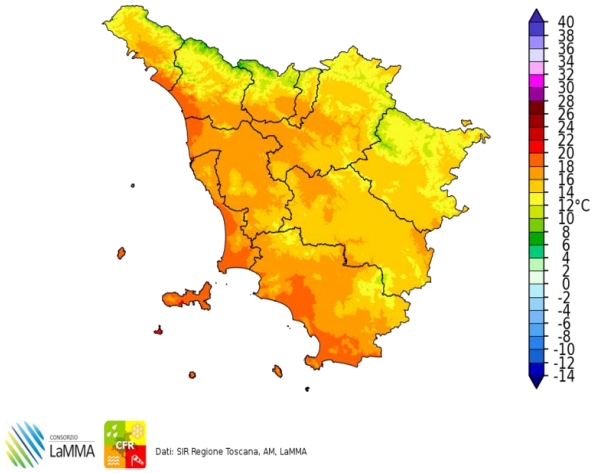
Mari: poco mossi o localmente mossi dal pomeriggio.

Temperature: in calo.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	0	15	17	19	18	20	17	16	17	15
	anomalia*	-15	-4	-1	-2	-1	0	-1	-2	-2	-3
T. max	osservata	29	32	30	27	32	28	30	30	31	30
	anomalia*	-3	0	-2	-1	1	-1	0	-2	-1	0
Precipitazione (mm/24ore)		0	1	0	7	2	1	0	1	2	1

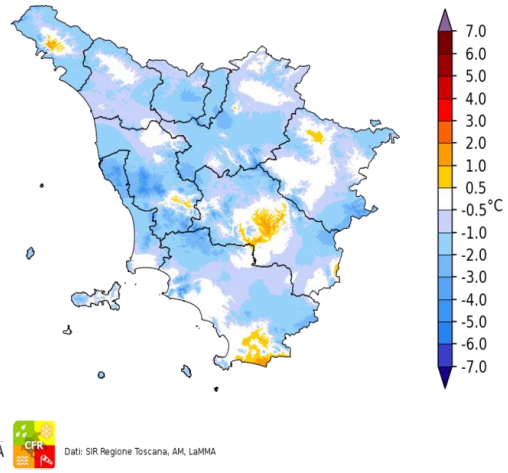
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 13/08/2022



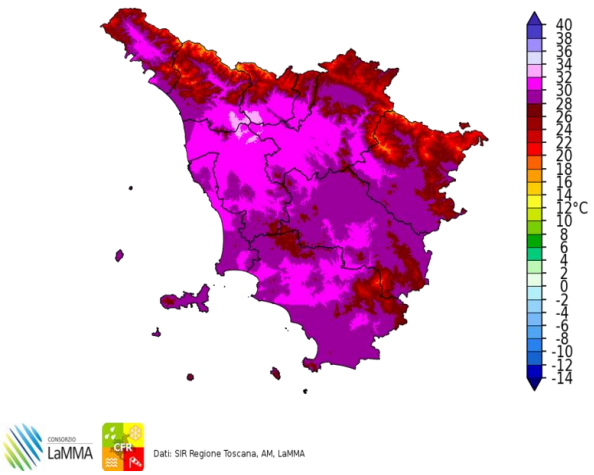
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 13/08/2022 e 12/08/2022



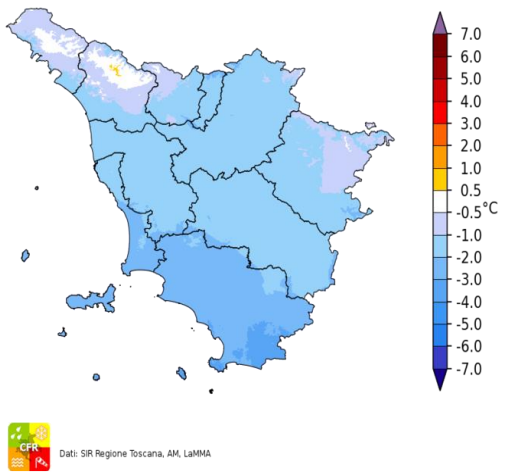
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 13/08/2022



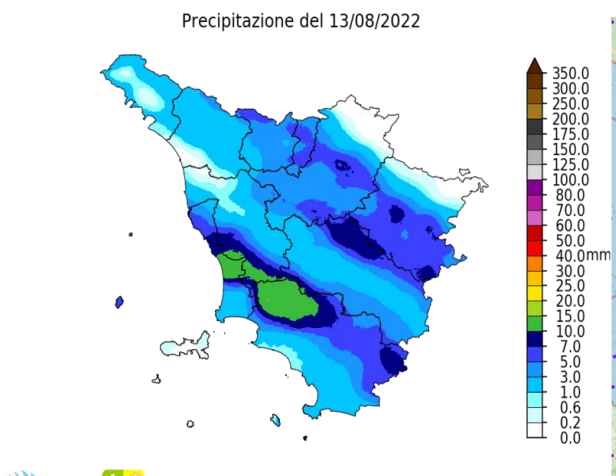
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 13/08/2022 e 12/08/2022



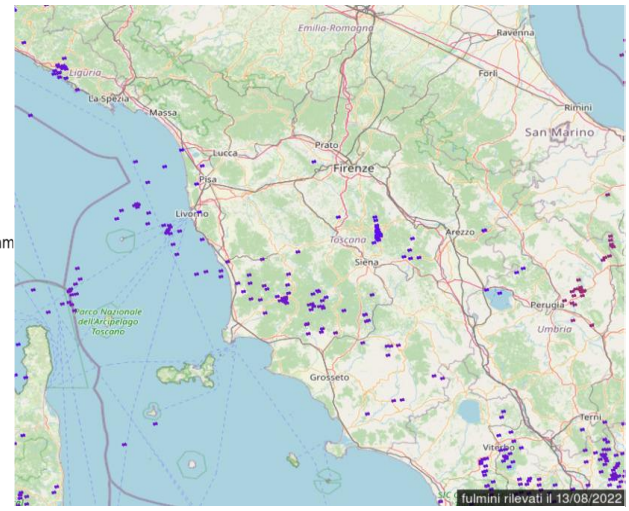
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 13/08/2022



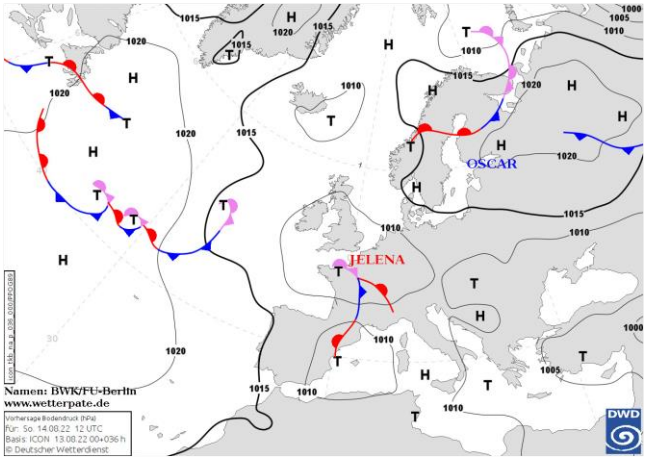
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 13 Agosto

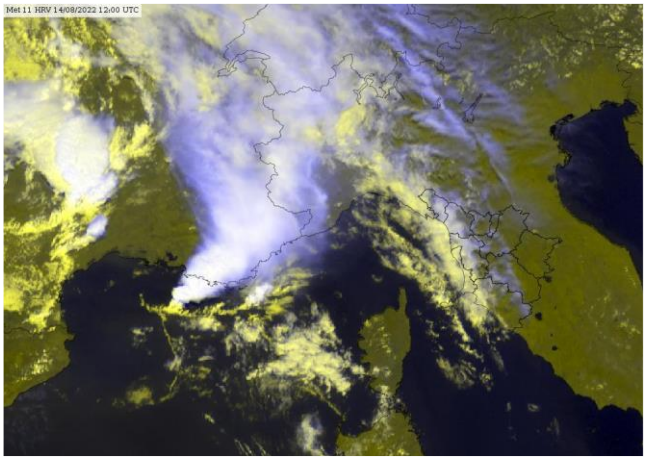


Domenica 14 Agosto 2022

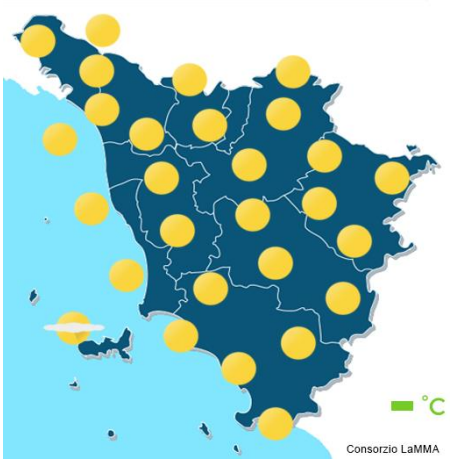
Situazione: pressione in calo per l'approssimarsi di una linea di instabilità dalla Francia.



Pressione al suolo e fronti del 14 Agosto alle 12 UTC


Meteosat HRV del 14 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno in mattinata. Velato nel pomeriggio. Aumento della nuvolosità in serata sul nord-ovest.

Fenomeni: nessuno.

Venti: deboli occidentali nell'interno, meridionali lungo la costa.

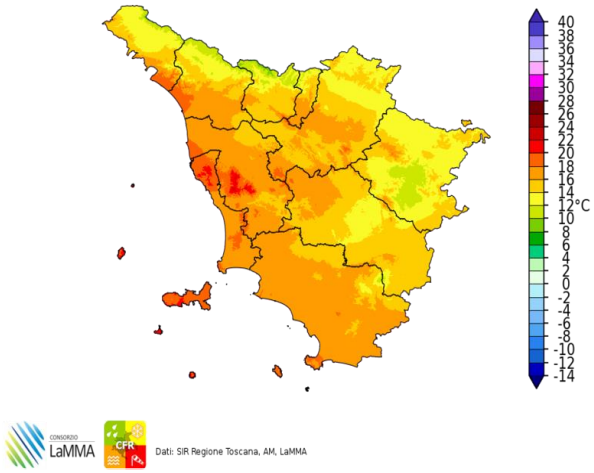
Mari: poco mossi.

Temperature: minime in calo nei fondovalle, in aumento sui rilievi. Massime in aumento.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	13	15	17	22	16	19	17	16	18	18
	anomalia*	-1	-4	-1	1	-2	0	-1	-2	-1	-1
T. max	osservata	32	34	32	29	31	30	31	32	33	33
	anomalia*	1	2	1	0	0	0	1	0	1	2
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

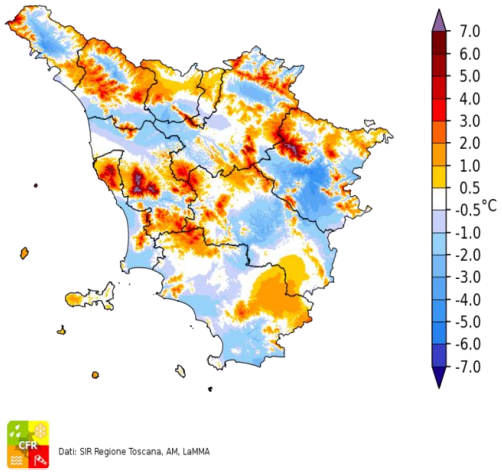
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 14/08/2022



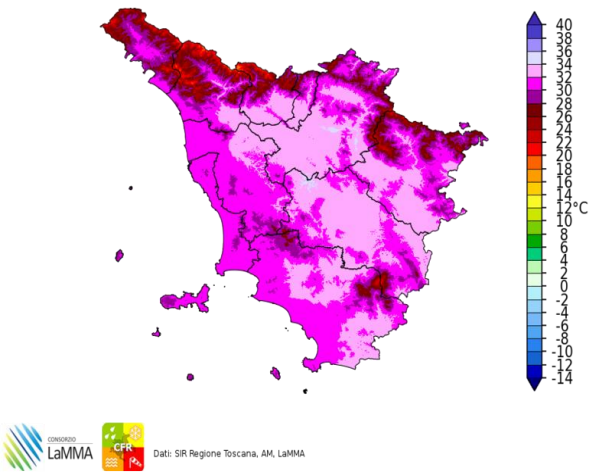
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 14/08/2022 e 13/08/2022



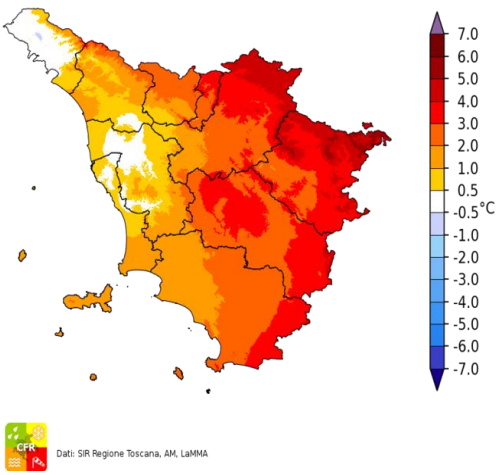
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 14/08/2022



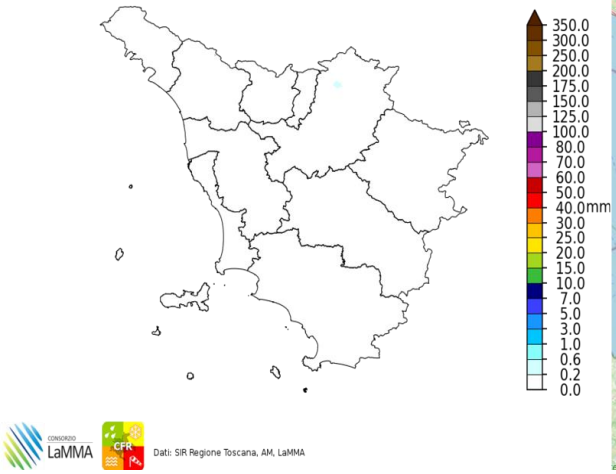
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 14/08/2022 e 13/08/2022



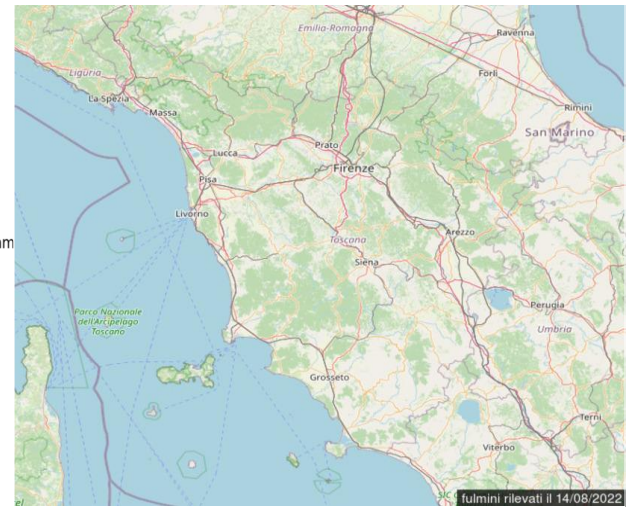
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 14/08/2022



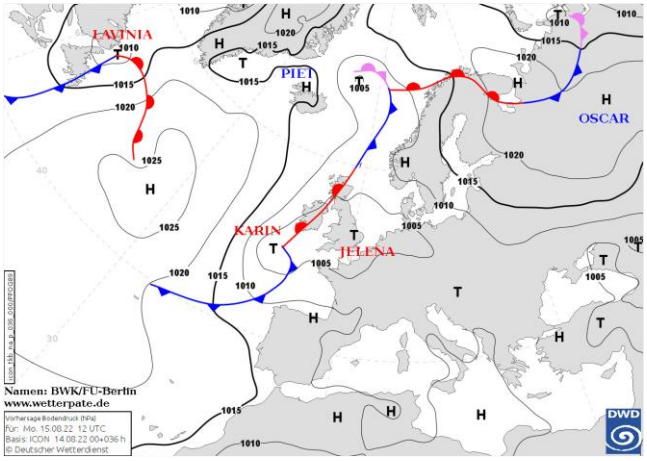
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 14 Agosto

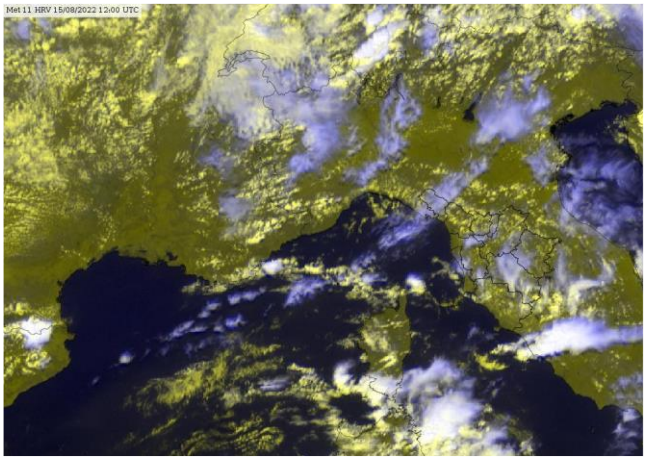


Lunedi' 15 Agosto 2022

Situazione: una linea di instabilità transita sul centro-nord Italia.



Pressione al suolo e fronti del 15 Agosto alle 12 UTC


Meteosat HRV del 15 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: instabile con nuvolosità irregolare.

Fenomeni: rovesci e temporali anche intensi, specialmente tra il tardo pomeriggio e la sera con fenomeni localmente stazionari e cumulati fino a oltre 100 mm.

Venti: deboli meridionali sulle zone interne, moderati di Scirocco sulla costa.

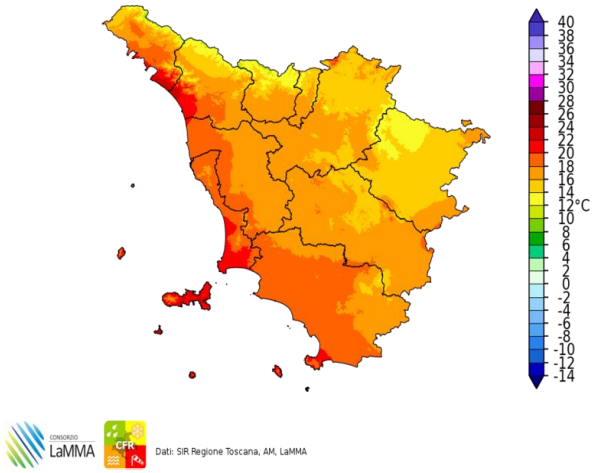
Mari: poco mossi con moto ondoso in aumento dal pomeriggio.

Temperature: in aumento, specialmente le minime.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	0	17	20	21	18	23	19	18	19	18
	anomalia*	-15	-2	2	0	0	3	1	0	0	-1
T. max	osservata	32	34	31	30	31	29	32	32	33	30
	anomalia*	0	2	0	2	0	-1	2	0	1	0
Precipitazione (mm/24ore)		0	30	1	5	1	0	0	14	27	6

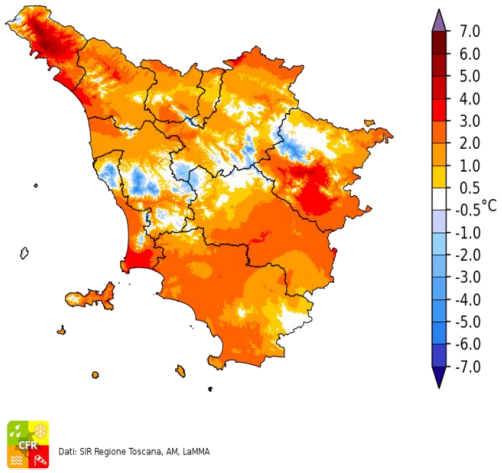
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 15/08/2022



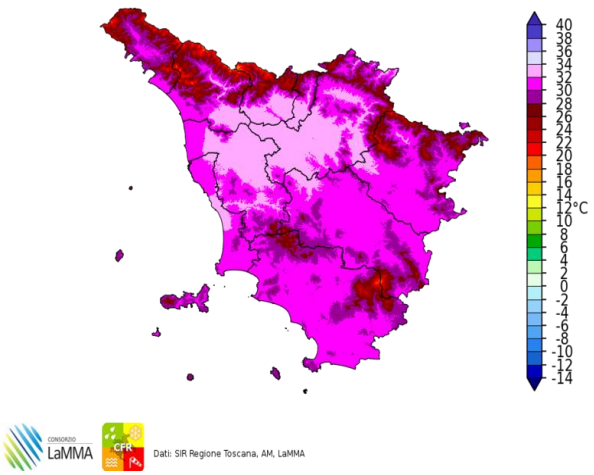
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 15/08/2022 e 14/08/2022



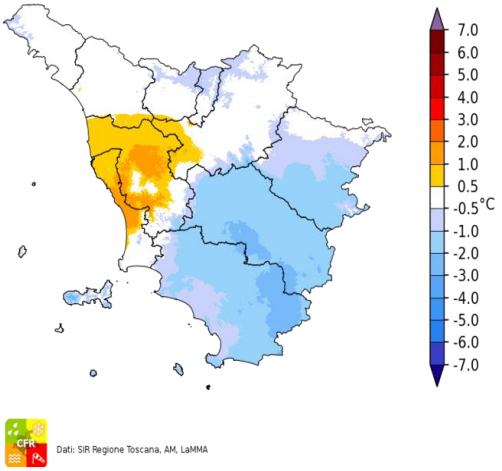
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 15/08/2022



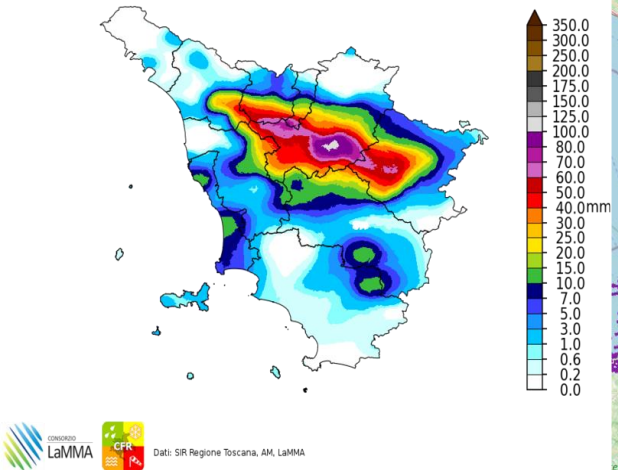
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 15/08/2022 e 14/08/2022



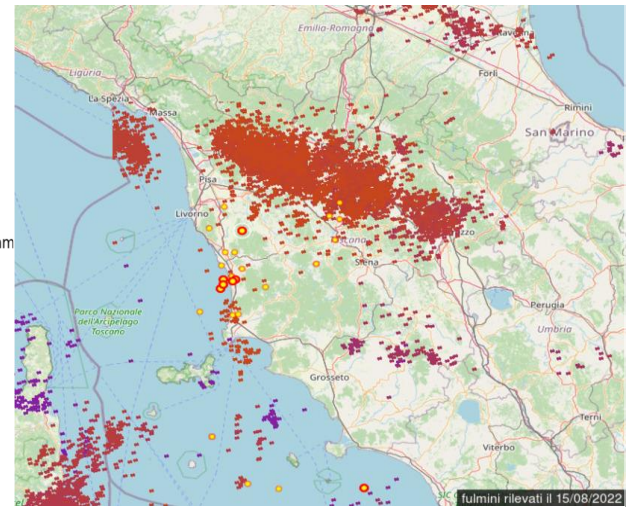
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 15/08/2022



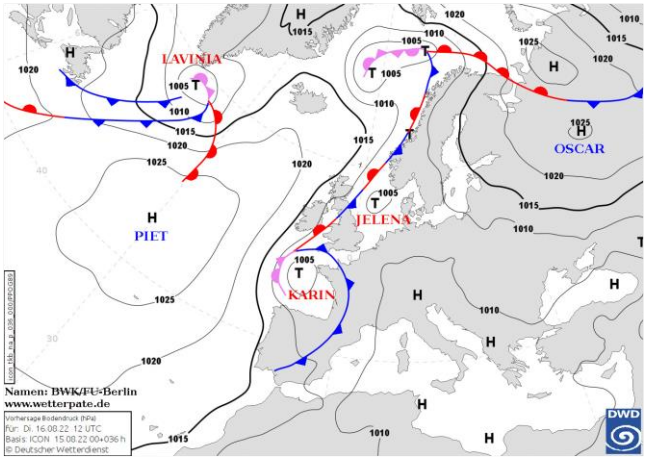
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 15 Agosto

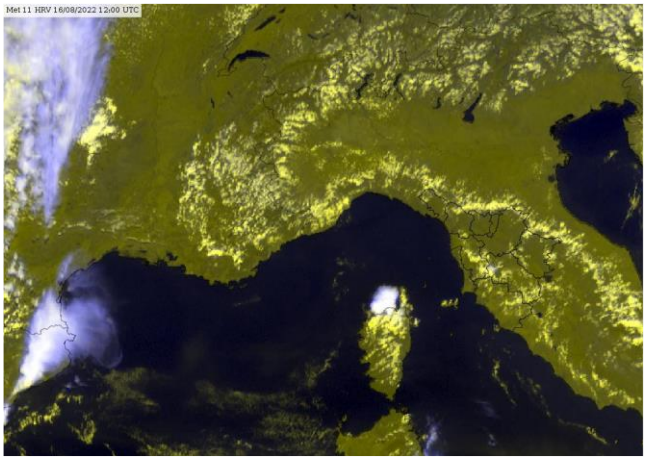


Martedi' 16 Agosto 2022

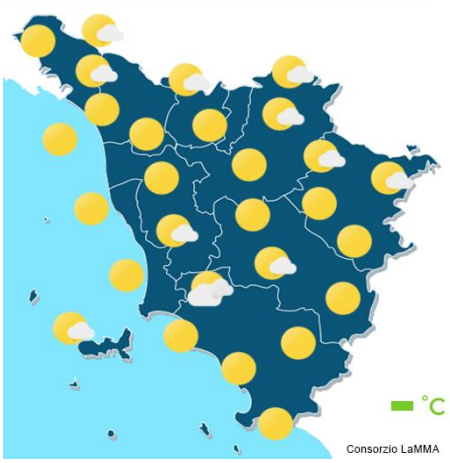
Situazione: mentre al suolo permangono condizioni di bassa pressione, l'ingresso di un promontorio anticiclonico in quota determina condizioni di prevalente stabilità atmosferica sulla nostra penisola.



Pressione al suolo e fronti del 16 Agosto alle 12 UTC


Meteosat HRV del 16 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: poco nuvoloso salvo nubi cumuliformi a ridosso dei rilievi durante le ore più calde della giornata.

Fenomeni: rovesci sparsi nel pomeriggio tra le province di Fi, Pi, Si e Gr.

Venti: deboli da sud, sud-ovest.

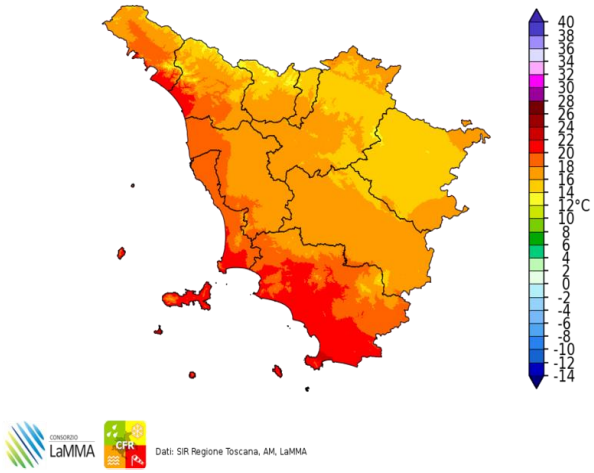
Mari: poco mossi o localmente mossi a sud dell'Elba.

Temperature: massime in aumento nell'interno.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	16	17	20	20	18	22	20	17	18	18
	anomalia*	2	-2	2	-1	0	2	2	0	-1	-1
T. max	osservata	32	34	31	29	33	30	32	32	34	33
	anomalia*	1	2	0	1	2	0	2	0	1	3
Precipitazione (mm/24ore)		23	0	0	0	0	0	0	0	0	1

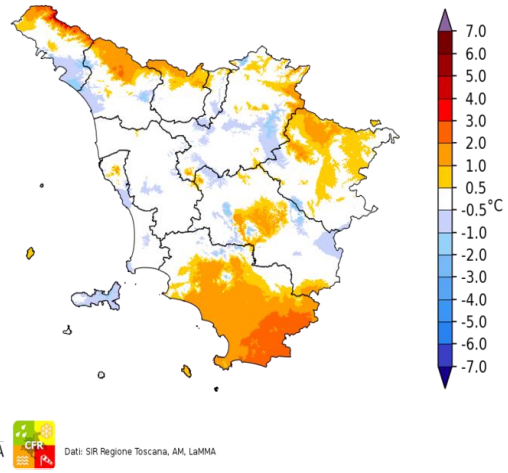
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 16/08/2022



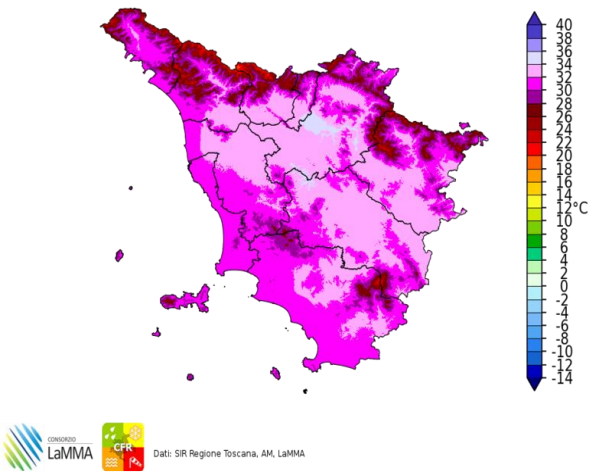
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 16/08/2022 e 15/08/2022



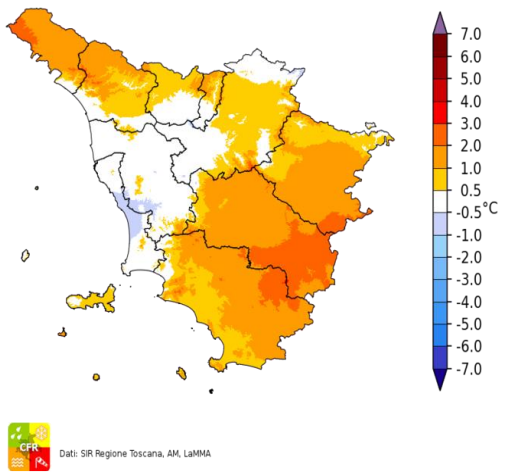
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 16/08/2022



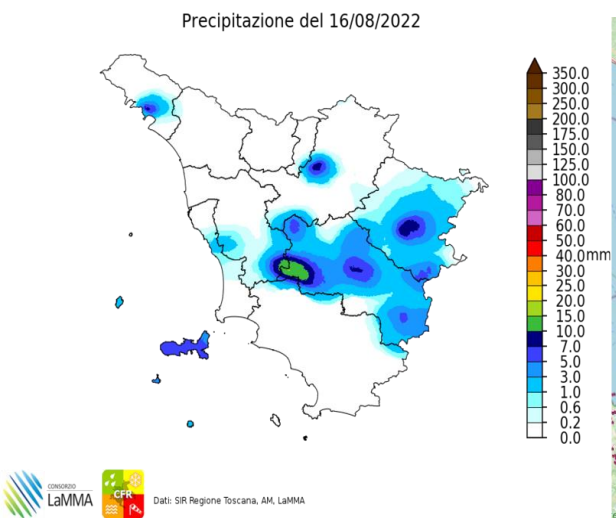
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 16/08/2022 e 15/08/2022



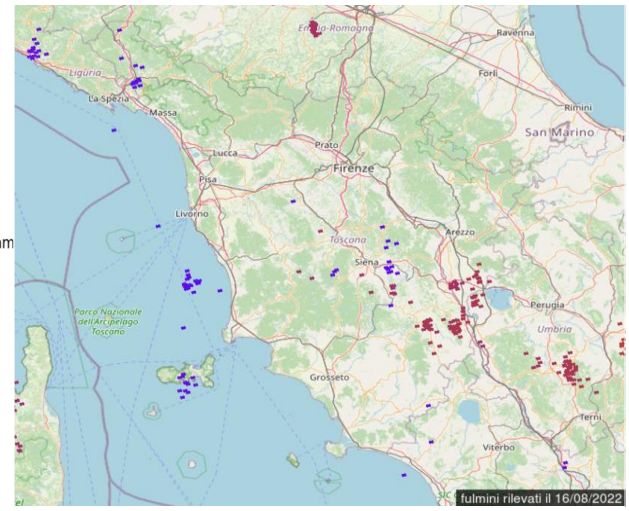
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 16/08/2022



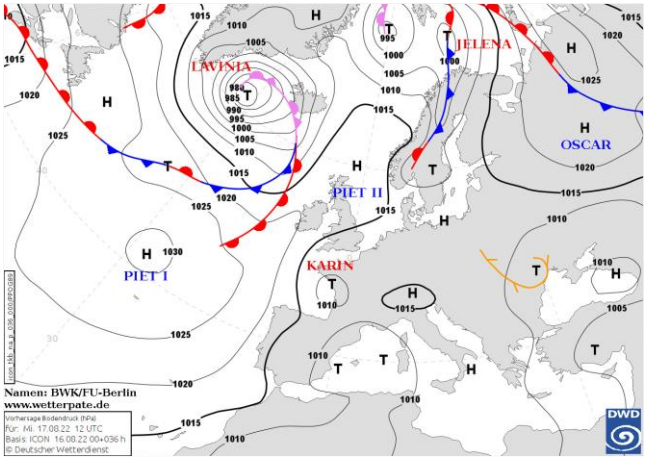
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 16 Agosto

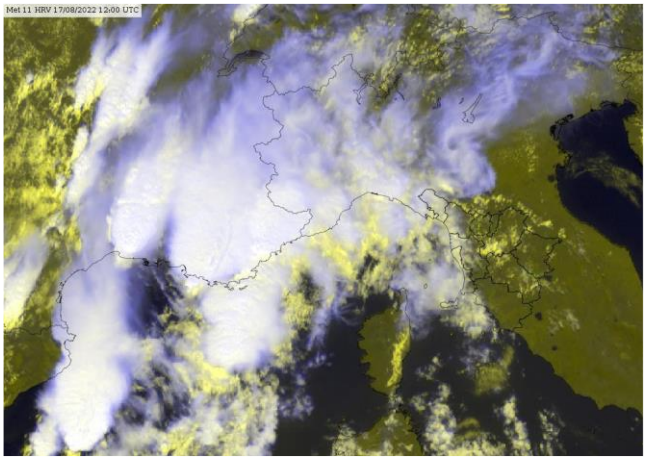


Mercoledi' 17 Agosto 2022

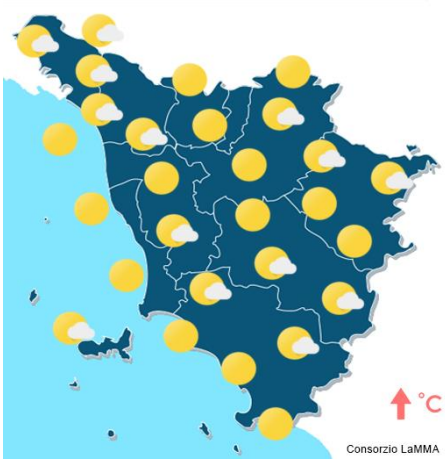
Situazione: profonda saccatura in approfondimento sulla Penisola Iberica con flusso di correnti miti sulla nostra penisola.



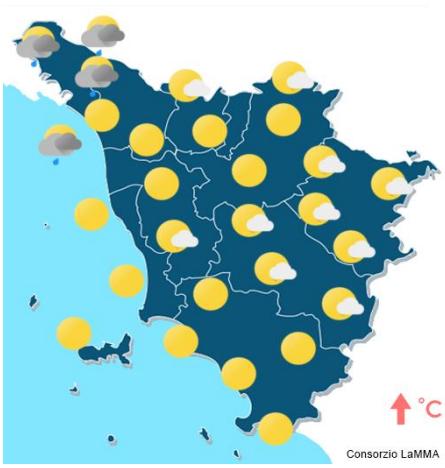
Pressione al suolo e fronti del 17 Agosto alle 12 UTC


Meteosat HRV del 17 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: poco nuvoloso con addensamenti sul nord-ovest.

Fenomeni: locali precipitazioni su Lunigiana e appennino massese.

Venti: deboli meridionali con rinforzi di Scirocco lungo la costa.

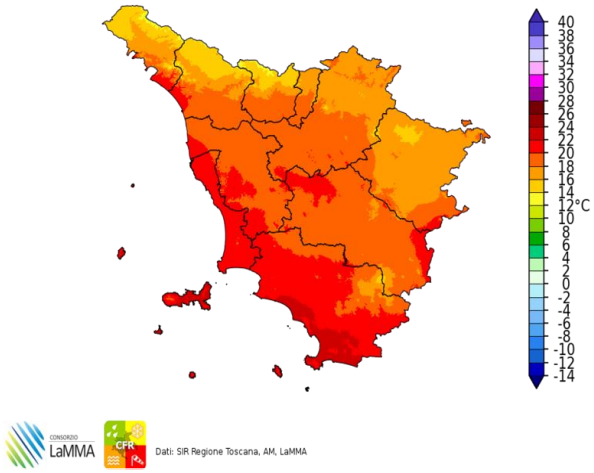
Mari: poco mossi in aumento a mossi al largo.

Temperature: in aumento.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	18	19	21	23	18	21	20	18	20	21
	anomalia*	3	0	3	2	0	2	2	1	1	2
T. max	osservata	34	36	33	30	34	30	33	33	34	34
	anomalia*	2	3	2	2	2	0	3	1	2	4
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

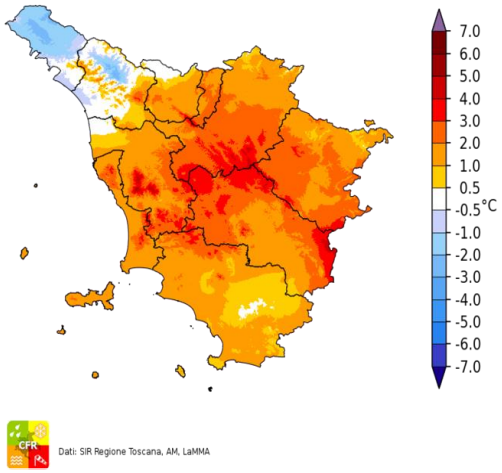
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 17/08/2022



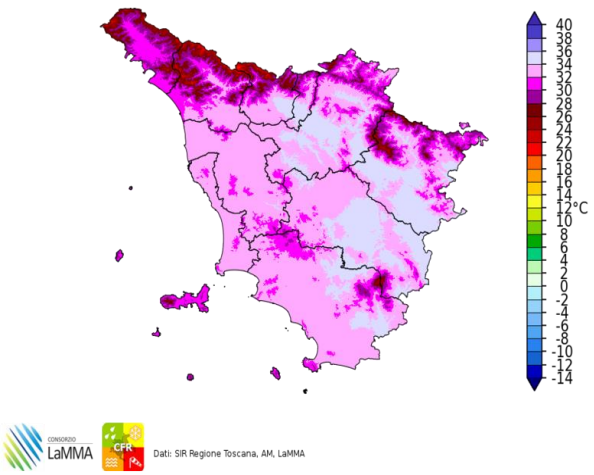
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 17/08/2022 e 16/08/2022



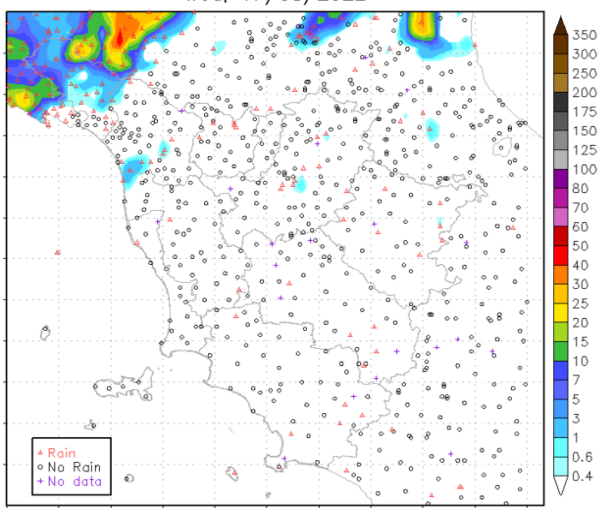
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 17/08/2022

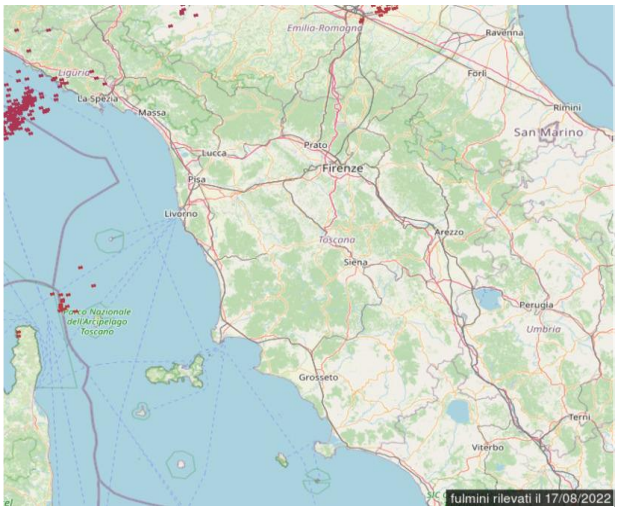


Dati: SIR Regione Toscana, AM, LaMMA

Total Precipitation [mm] cumulated on Wed, 17/08/2022

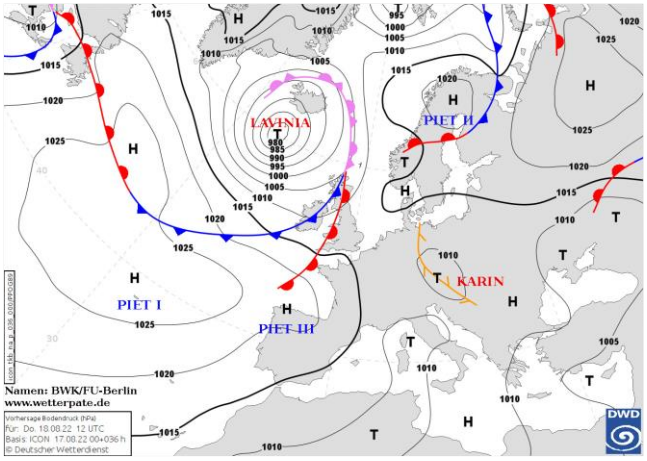


Fulminazioni osservate il giorno 17 Agosto

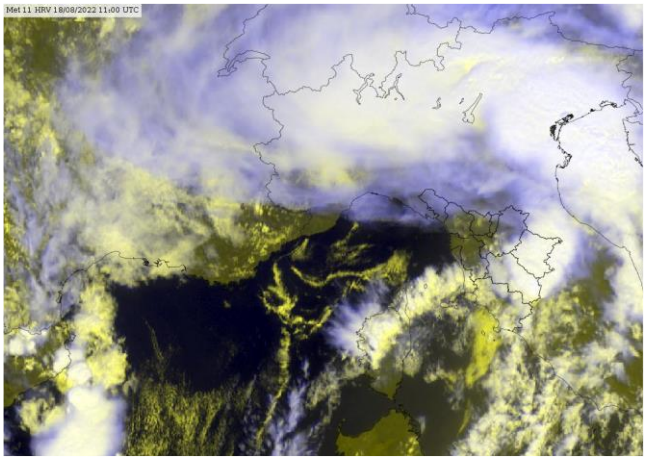


Giovedi' 18 Agosto 2022

Situazione: profonda saccatura con asse attualmente centrata sulle Baleari prosegue nel suo natural incedere verso levante, in transito sulla penisola Italiana dalla sera.



Pressione al suolo e fronti del 18 Agosto alle 12 UTC


Meteosat HRV del 18 Agosto alle 11 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: nuvoloso o molto nuvoloso. Temporanee schiarite, anche ampie, tra la tarda mattinata e il primo pomeriggio.

Fenomeni: temporali, anche forti, nella prima parte della mattinata e nel pomeriggio-sera. Cumulati medi compresi tra 20 e 35 mm e massimi puntuali fino a 80-100 mm. I temporali sono stati accompagnati da forti colpi di vento, frequenti fulminazioni e locali grandinate.

Venti: deboli variabili nell'interno, deboli-moderati in prevalenza meridionali sulla costa.

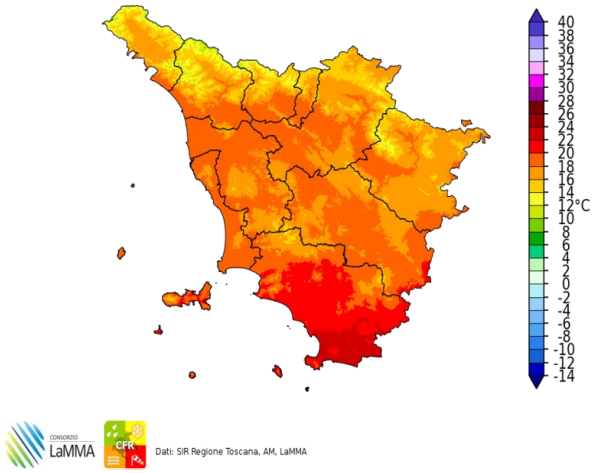
Mari: mossi, soprattutto sul settore meridionale.

Temperature: in diminuzione, sensibile nei valori massimi.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	0	19	21	21	19	19	20	19	19	17
	anomalia*	-15	0	3	0	1	-1	2	1	0	-1
T. max	osservata	29	30	31	28	27	27	28	28	29	28
	anomalia*	-3	-2	0	0	-4	-3	-2	-5	-3	-2
Precipitazione (mm/24ore)		3	46	18	12	21	23	12	25	19	33

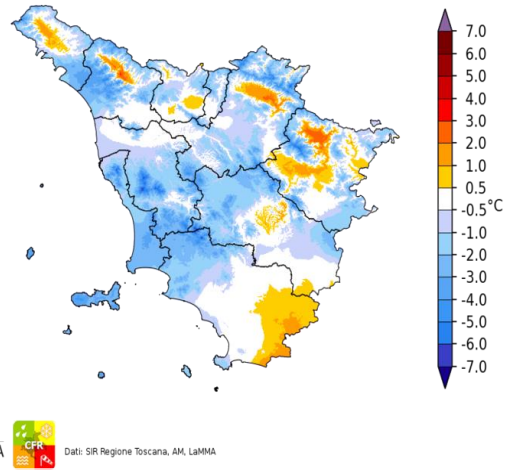
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 18/08/2022



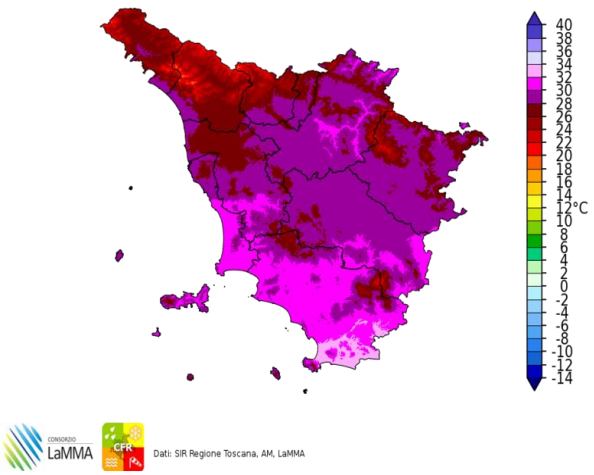
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 18/08/2022 e 17/08/2022



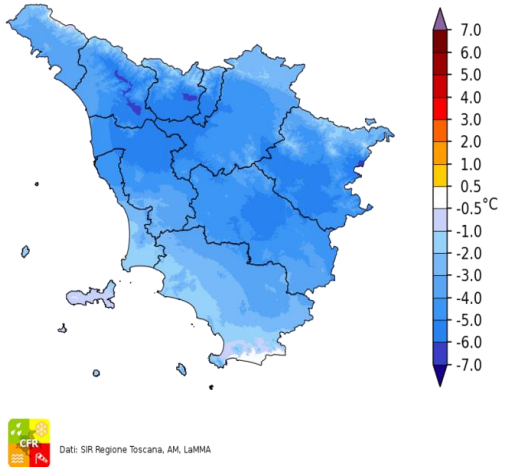
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 18/08/2022



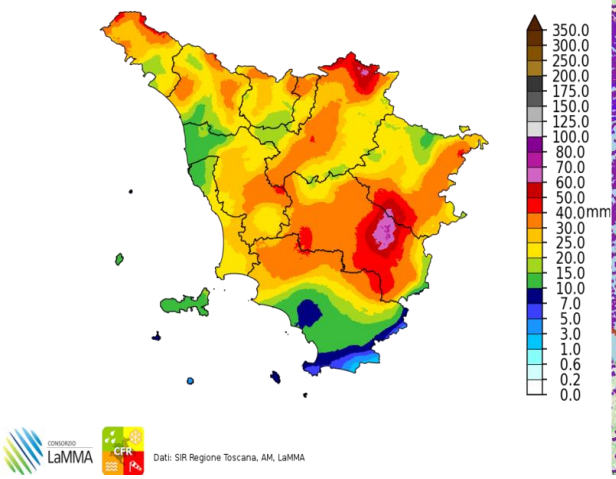
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 18/08/2022 e 17/08/2022



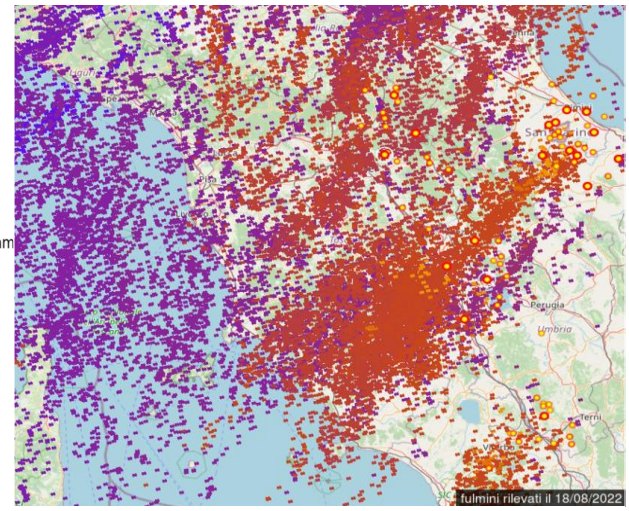
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 18/08/2022



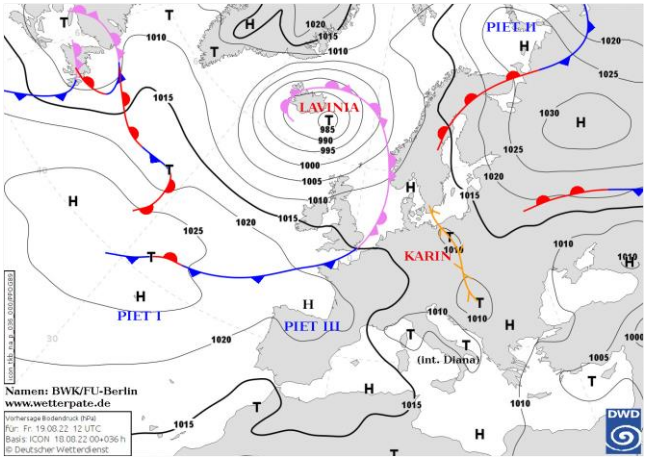
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 18 Agosto

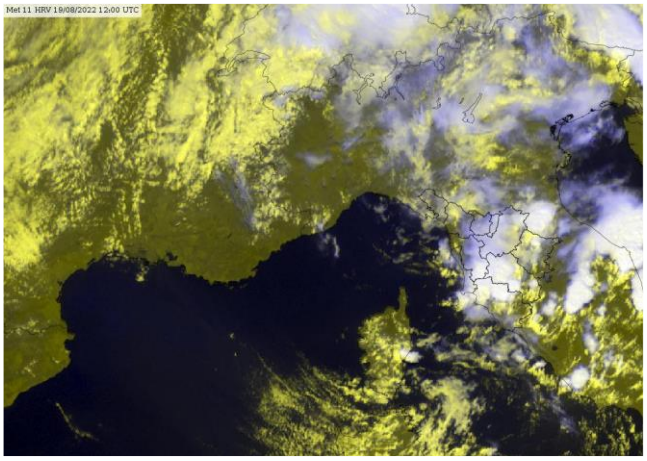


Venerdi' 19 Agosto 2022

Situazione: sul centro-nord Italia permangono condizioni di instabilità legata alla presenza di un nucleo di aria fresca in quota e alla permanenza di un flusso umido nei bassi strati dell'atmosfera.



Pressione al suolo e fronti del 19 Agosto alle 12 UTC


Meteosat HRV del 19 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: variabile.

Fenomeni: rovesci e temporali sparsi.

Venti: deboli in prevalenza occidentali, tendenti a disporsi da ovest, nord-ovest in serata sulla costa.

Mari: mossi.

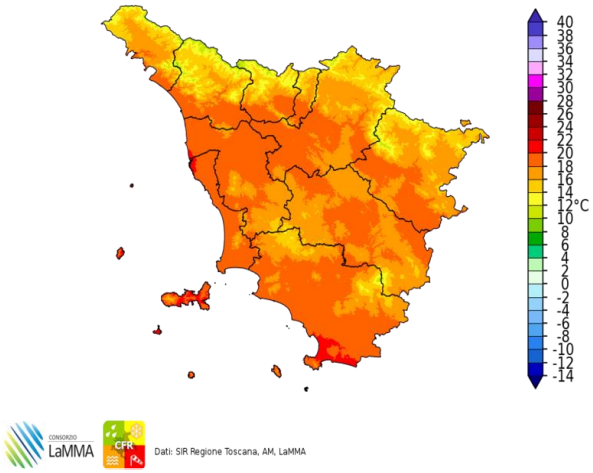
Temperature: in calo.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	0	18	19	22	19	19	18	18	19	18
	anomalia*	-15	-1	1	1	1	0	0	0	0	-1
T. max	osservata	26	26	27	27	25	27	28	24	25	22
	anomalia*	-6	-6	-4	-2	-6	-3	-2	-8	-7	-8
Precipitazione (mm/24ore)		40	3	3	1	0	2	14	8	7	4

*anomalia calcolata sulla base della normale climatica decadale 1981-2010

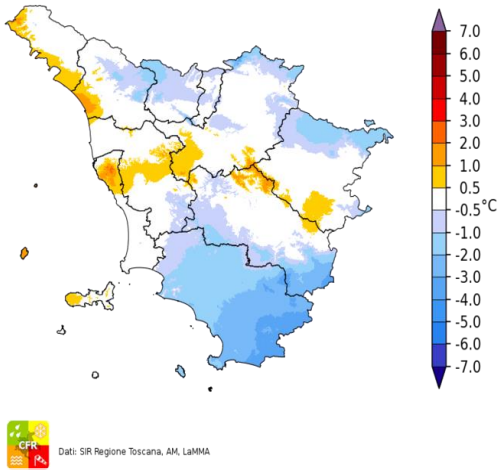
Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 19/08/2022



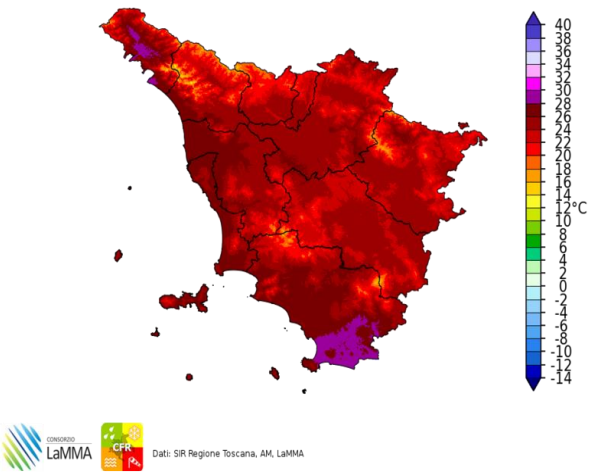
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 19/08/2022 e 18/08/2022



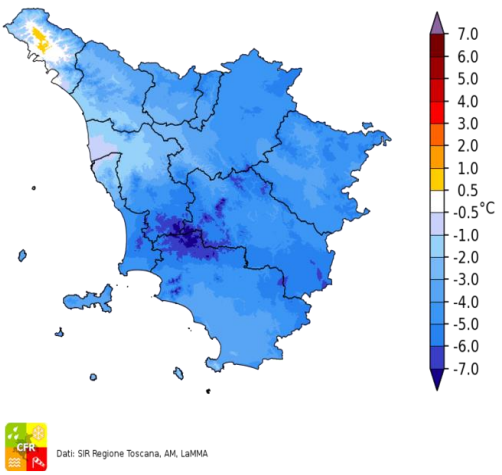
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 19/08/2022



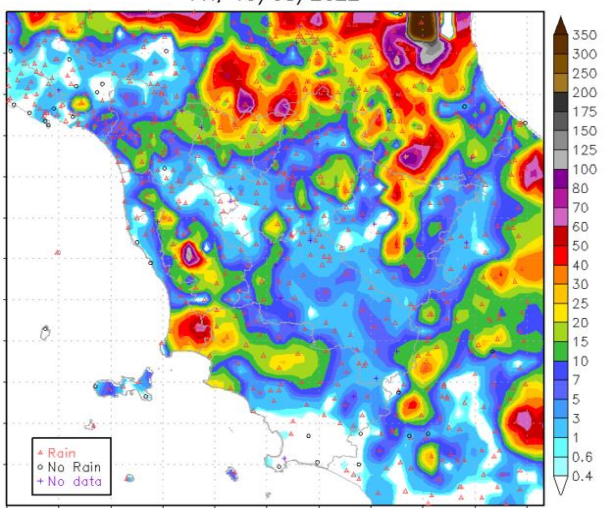
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 19/08/2022 e 18/08/2022

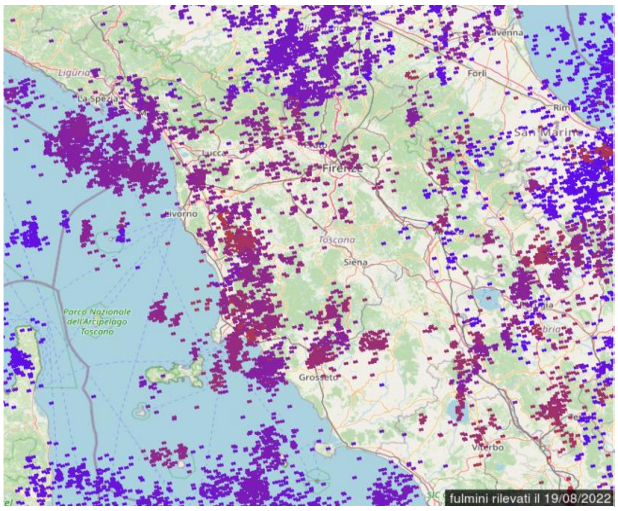


Dati: SIR Regione Toscana, AM, LaMMA

Total Precipitation [mm] cumulated on Fri, 19/08/2022

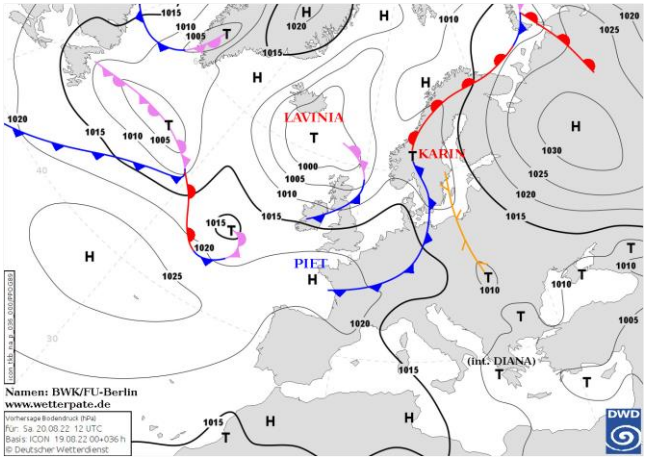


Fulminazioni osservate il giorno 19 Agosto

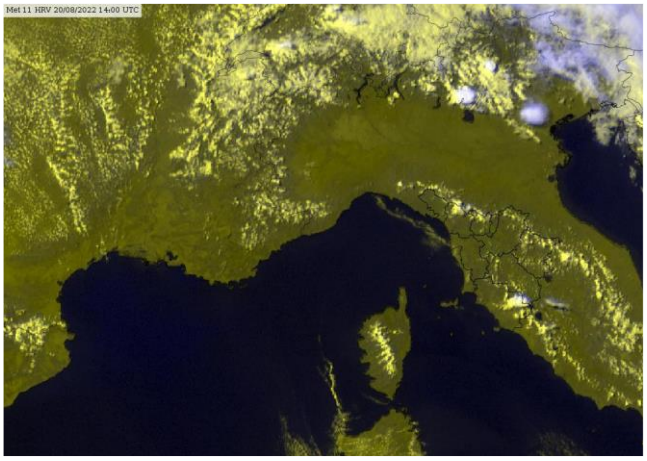


Sabato 20 Agosto 2022

Situazione: pressione in aumento.

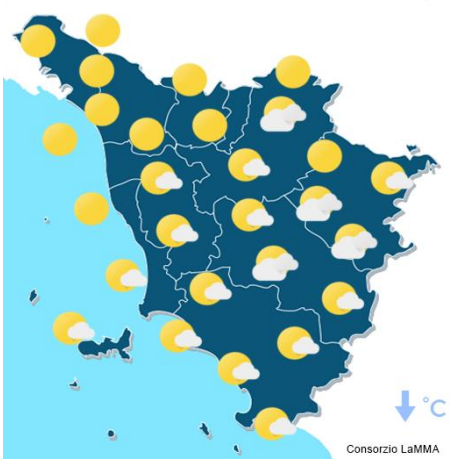


Pressione al suolo e fronti del 20 Agosto alle 12 UTC



Meteosat HRV del 20 Agosto alle 14 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno in mattinata, nel pomeriggio sviluppo di nubi cumuliformi sui rilievi.

Fenomeni: brevi rovesci su Amiata, Casentino, Val Tiberina e alto Appennino massese. Cumulati massimi intorno ai 10-15 mm.

Venti: deboli variabili tendenti a disporsi da ovest, nord-ovest.

Mari: mossi in graduale attenuazione.

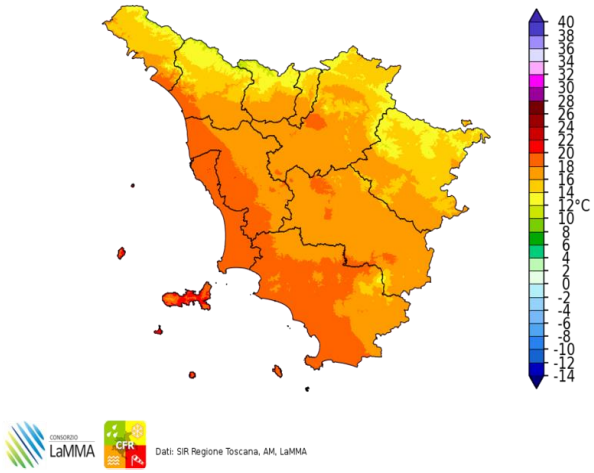
Temperature: minime in lieve calo, massime in aumento su valori in linea con le medie del periodo.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	17	18	18	21	17	19	19	16	18	17
	anomalia*	2	-1	0	0	-1	-1	0	-1	-1	-1
T. max	osservata	30	33	30	29	30	28	30	30	32	30
	anomalia*	-1	0	-1	0	-1	-2	0	-2	0	0
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

*anomalia calcolata sulla base della normale climatica decadale 1981-2010

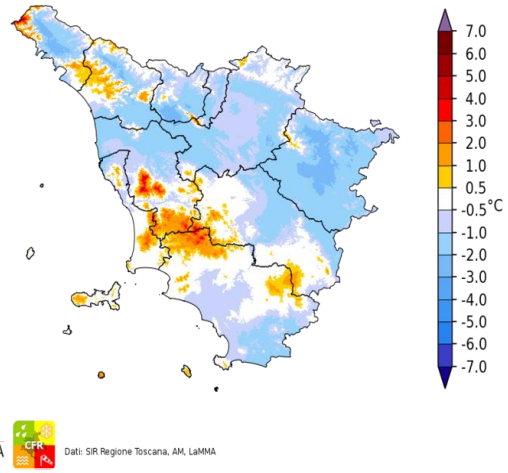
Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 20/08/2022



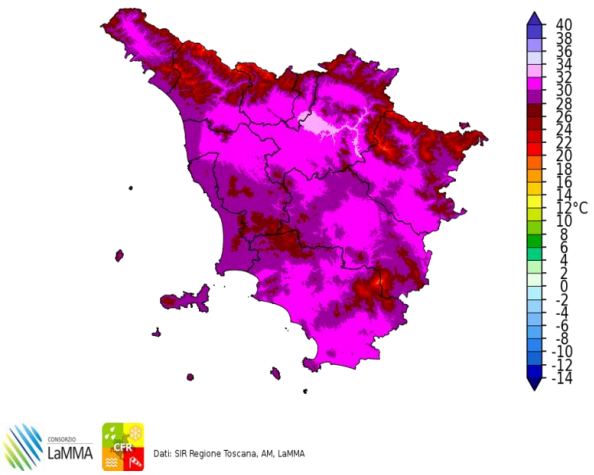
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 20/08/2022 e 19/08/2022



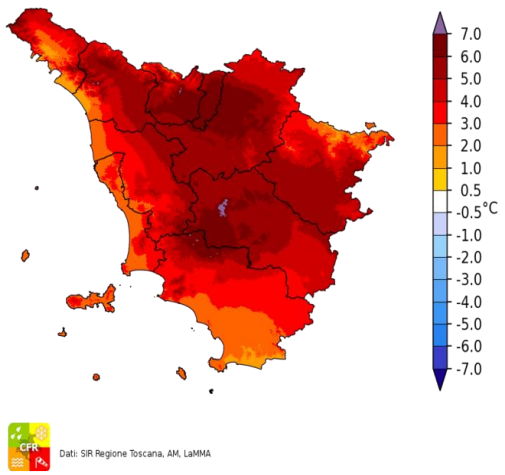
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 20/08/2022



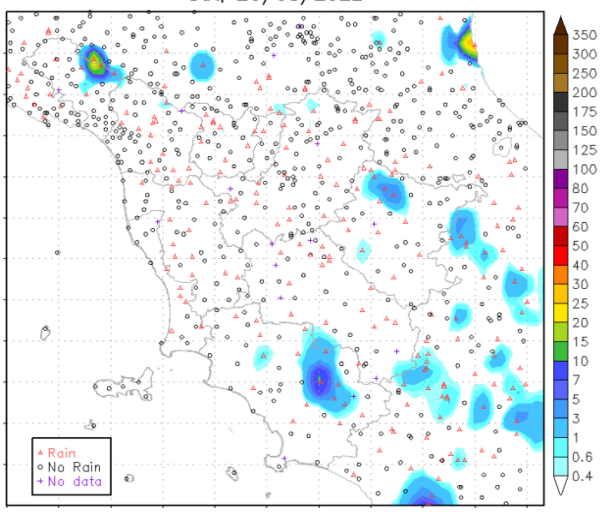
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 20/08/2022 e 19/08/2022

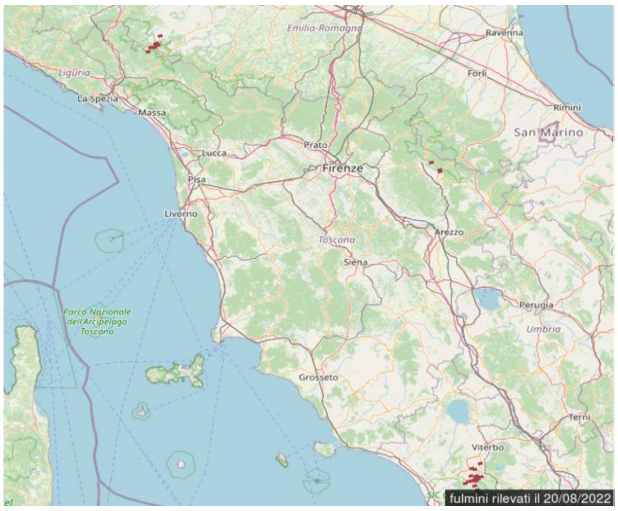


Dati: SIR Regione Toscana, AM, LaMMA

Total Precipitation [mm] cumulated on Sat, 20/08/2022



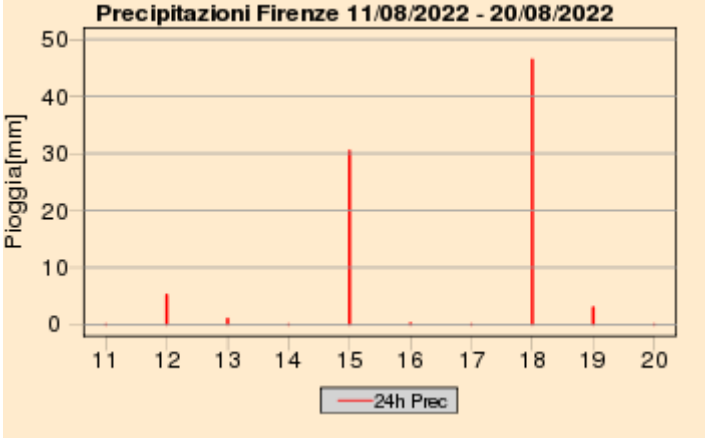
Fulminazioni osservate il giorno 20 Agosto

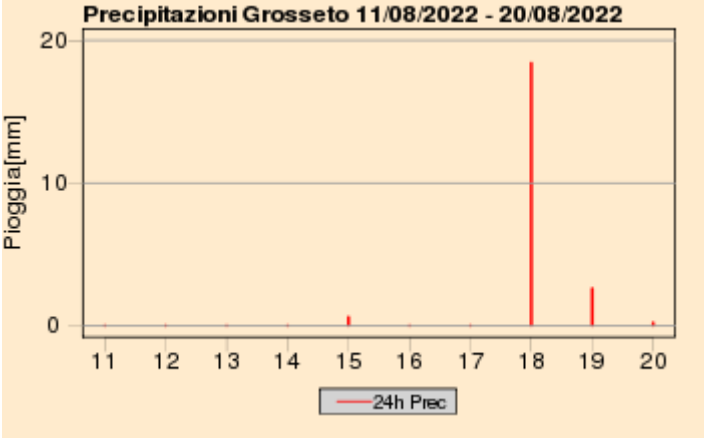


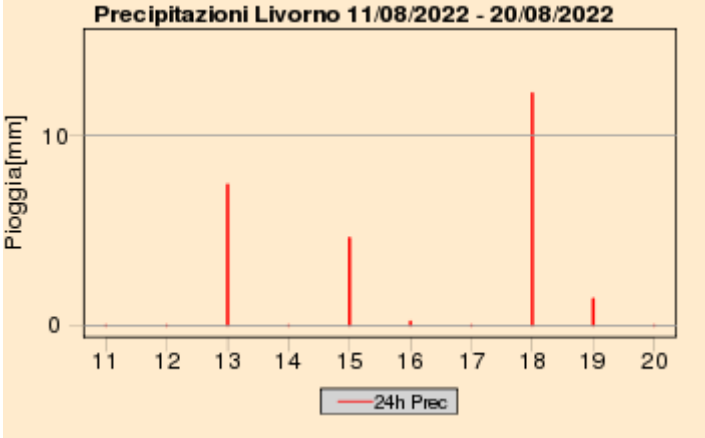
II decade - Quadro regionale – Precipitazioni

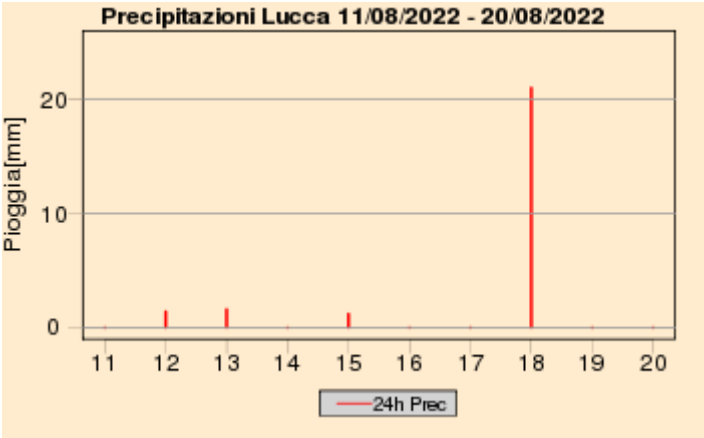
Nel corso della seconda decade di Agosto si è assistito all'abbassamento del flusso atlantico sul Mediterraneo che ha eroso il campo di alta pressione da mesi presente, segnando in tal modo una decisa "rottura" dell'estate. Due rapide perturbazioni sono infatti transitate anche sulla Toscana il giorno 15 e il giorno 18 fenomeni temporaleschi particolarmente intensi e precipitazioni localmente abbondanti. Da segnalare in particolare i nubifragi sulla Toscana centrale il giorno 15 e una linea temporalesca particolarmente estesa che il giorno 18 è transita molto rapidamente su tutto il territorio associata a fortissime raffiche di vento.

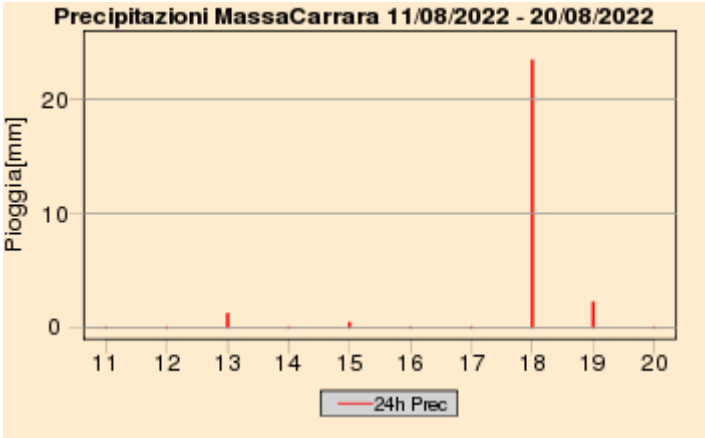


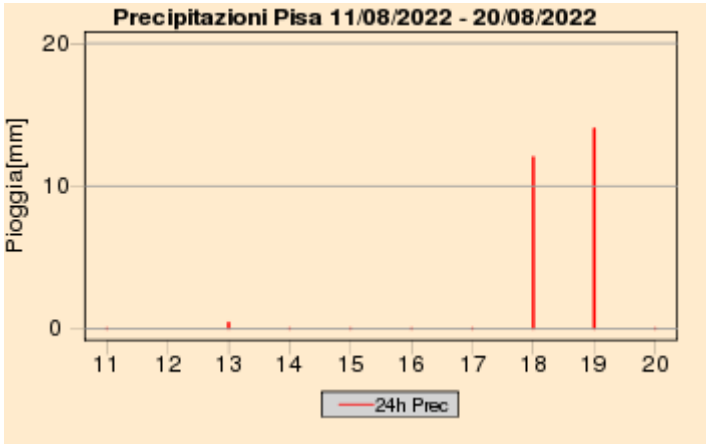


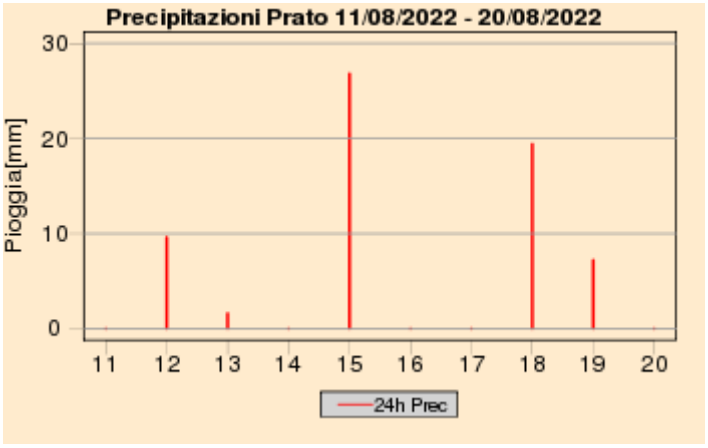


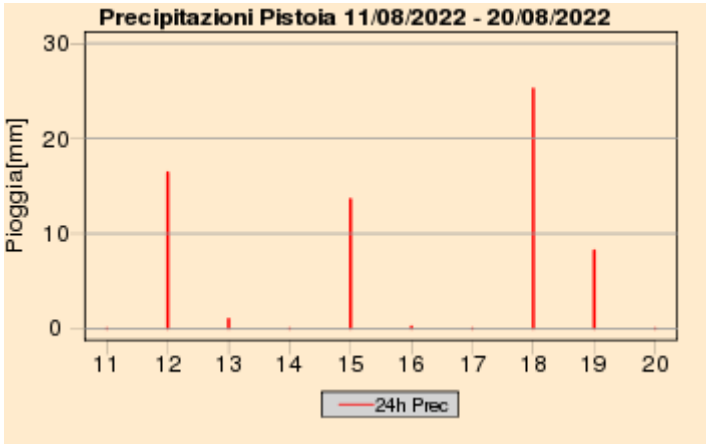


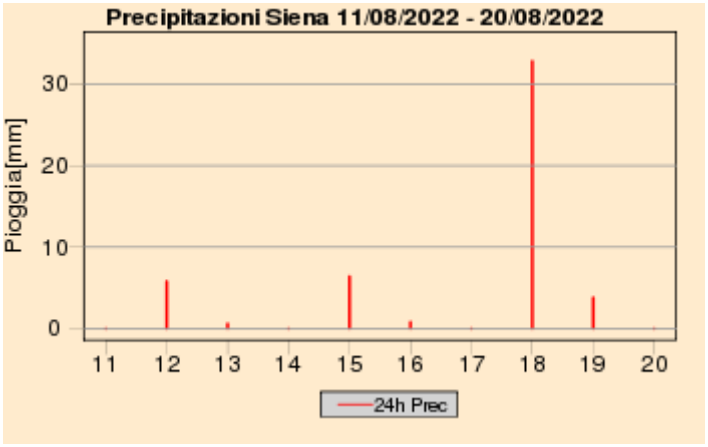




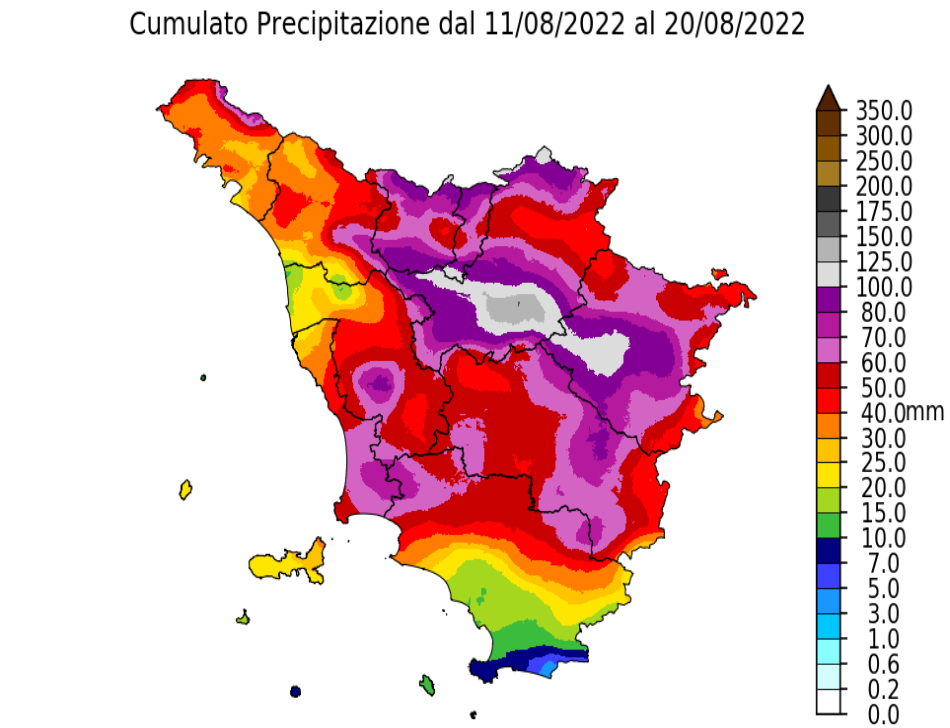






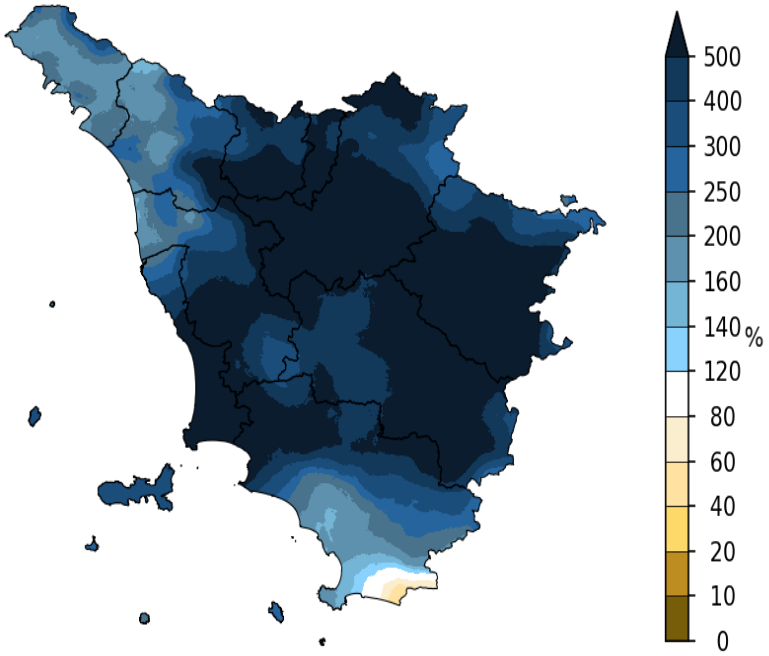


Quadro regionale – Cumulati decadali di precipitazione, anomalia di precipitazione e numero di giorni di pioggia



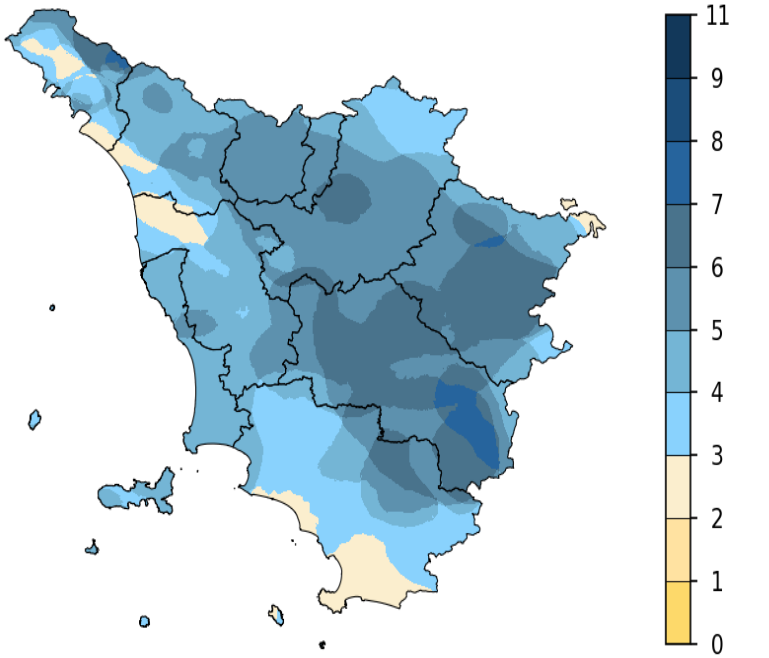
Dati: SIR Regione Toscana, AM, LaMMA

Percentuale di Precipitazione rispetto alla media climatica
dal 11/08/2022 al 20/08/2022



Dati: SIR Regione Toscana, AM, LaMMA

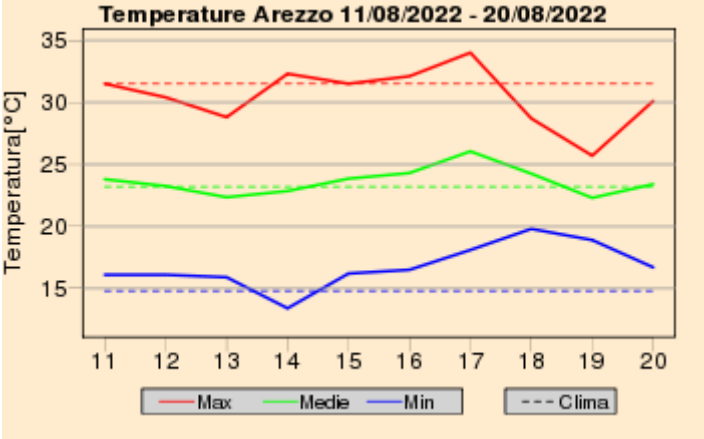
Giorni con Pioggia ≥ di 1 mm dal 11/08/2022 al 20/08/2022

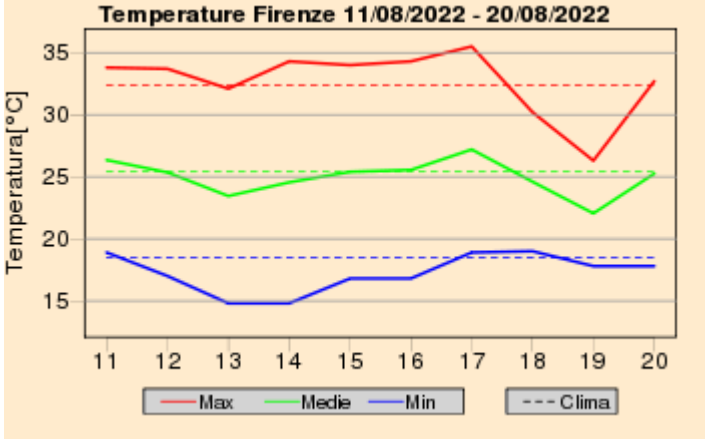


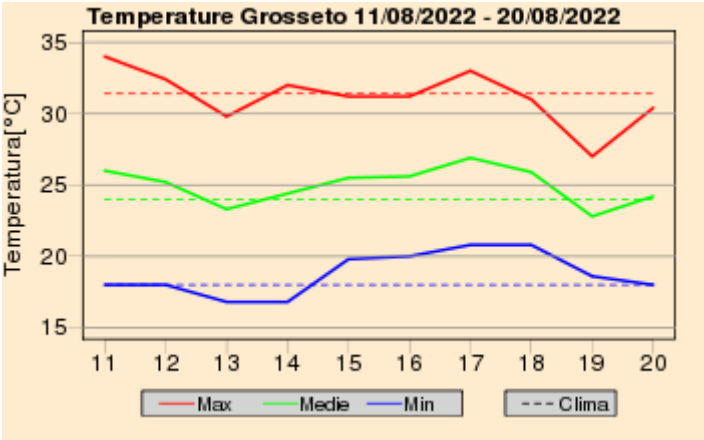
Dati: SIR Regione Toscana, AM, LaMMA

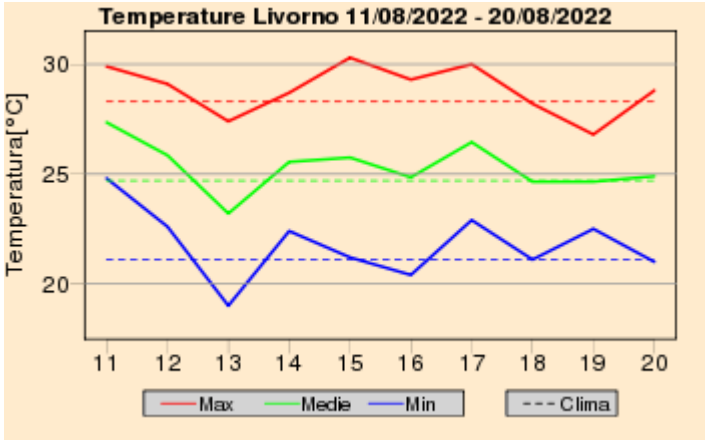
II decade - Quadro regionale - Temperature

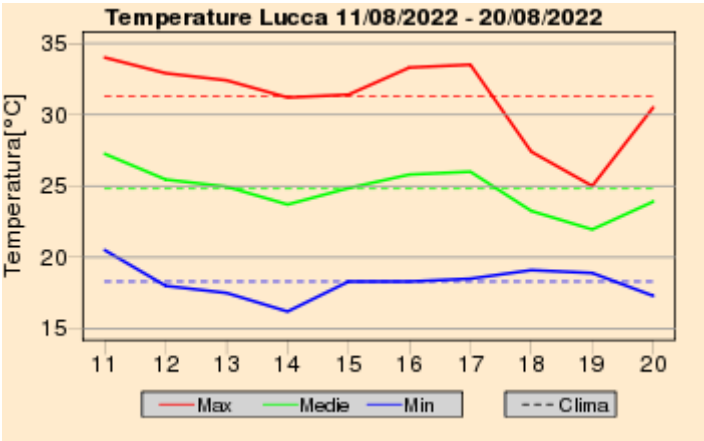
Nel corso della seconda decade di Agosto non si sono osservate particolari anomalie termiche, con i valori minimi e massimi giornalieri che risultano sostanzialmente allineati con quelli tipici del periodo 1991-2020.

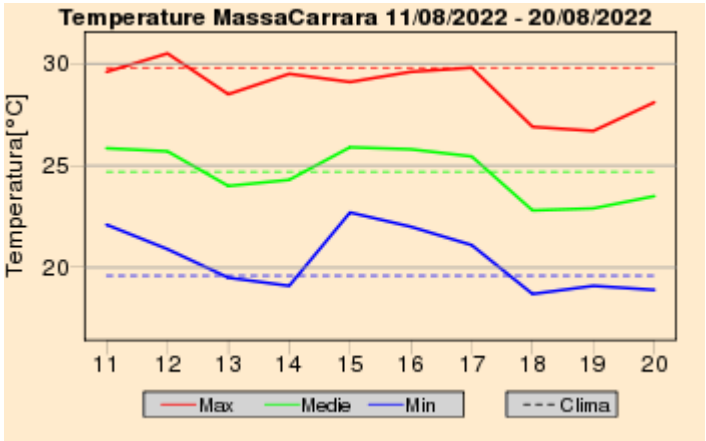


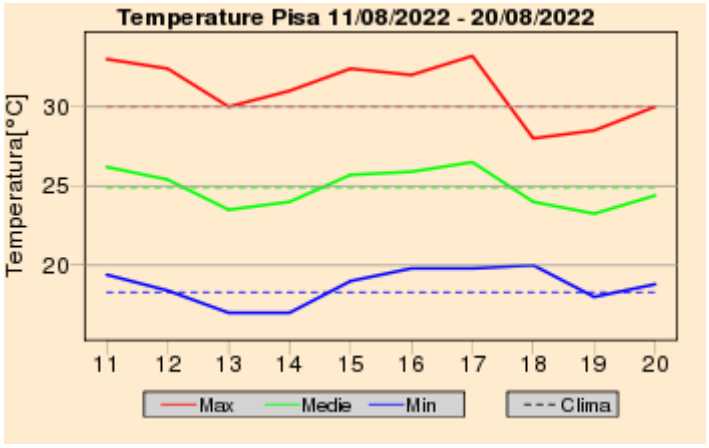


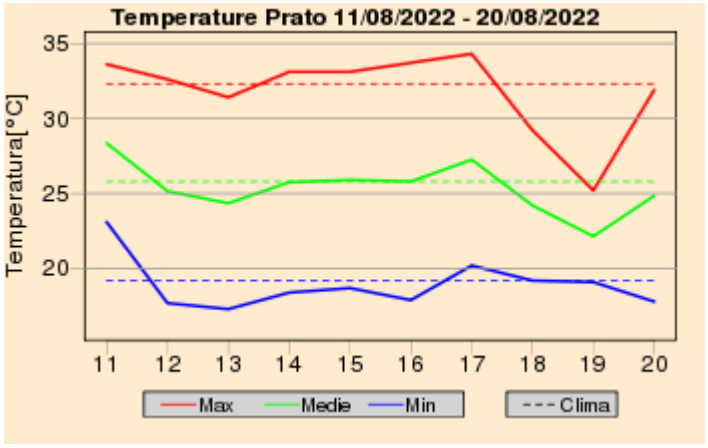


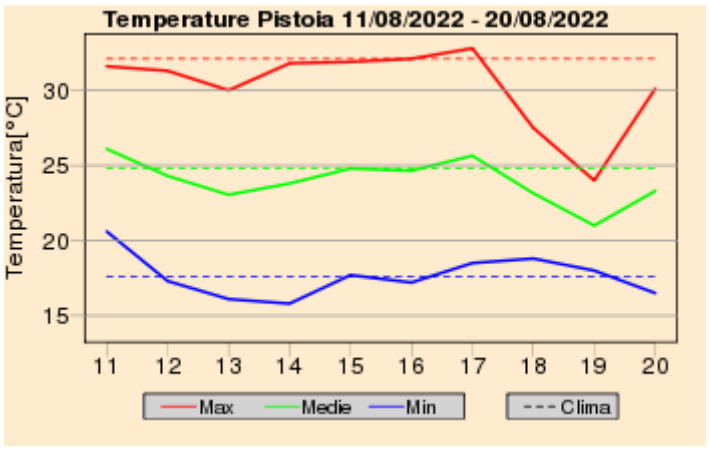


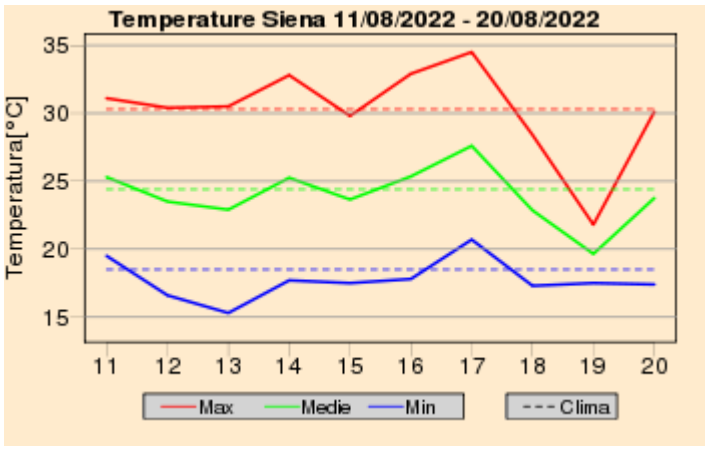




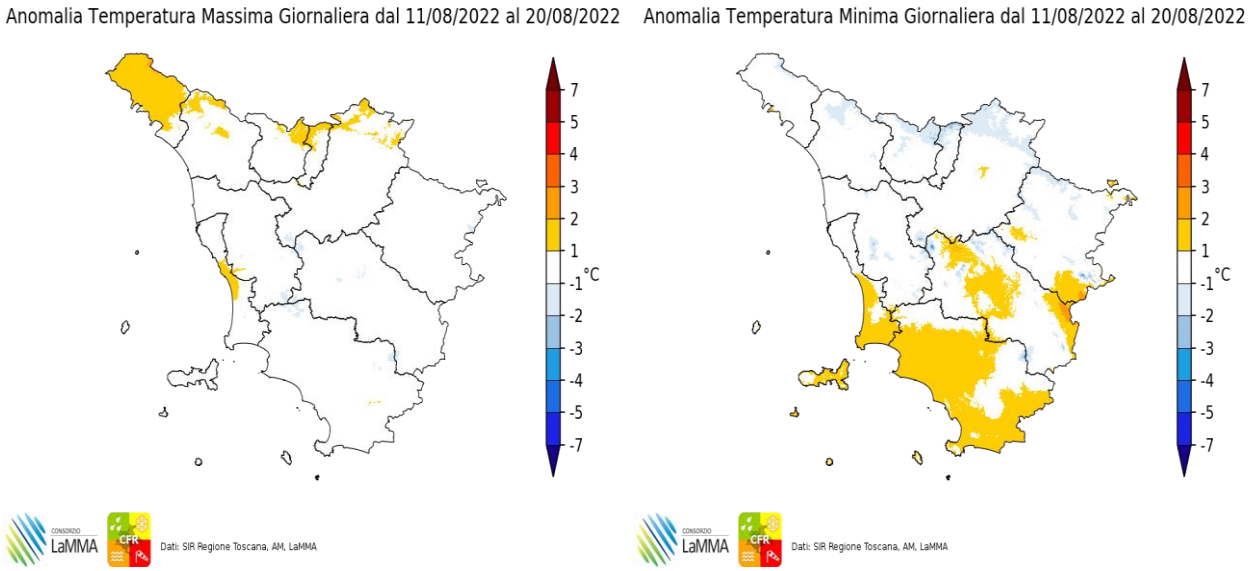








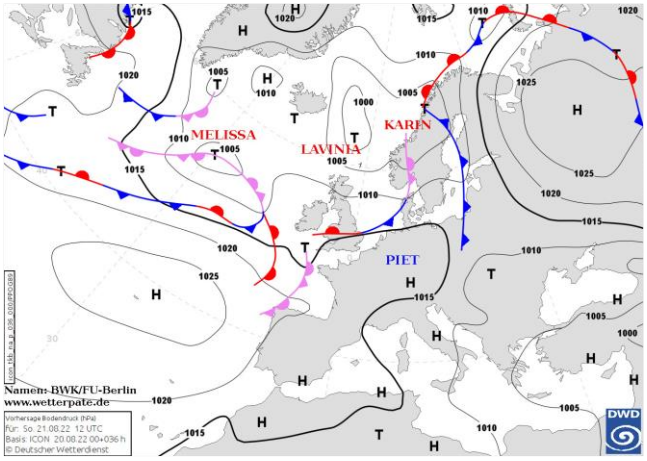
Quadro regionale – Anomalie termiche



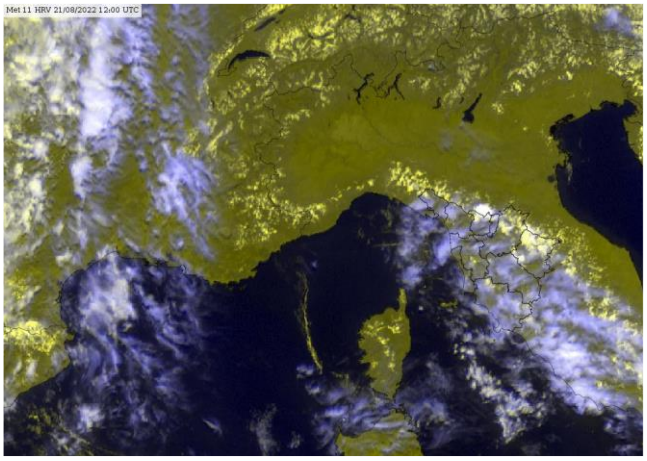
Anomalia termica decadale per le temperature massime e minime giornaliere

Domenica 21 Agosto 2022

Situazione: l'Italia centro-settentrionale è sul bordo orientale di un promontorio anticiclonico di matrice mediterranea. Questa posizione favorisce infiltrazioni d'aria fredda in quota cui si associa modesta variabilità pomeridiana.



Pressione al suolo e fronti del 21 Agosto alle 12 UTC


Meteosat HRV del 21 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: parzialmente nuvoloso con sviluppo di nubi cumuliformi pomeridiane sulle zone interne.

Fenomeni: rovesci e temporali su Apuane, Appennino e zone interne centro meridionali.

Venti: deboli a regime di brezza con temporanei rinforzi di Maestrale lungo la costa nel pomeriggio-sera.

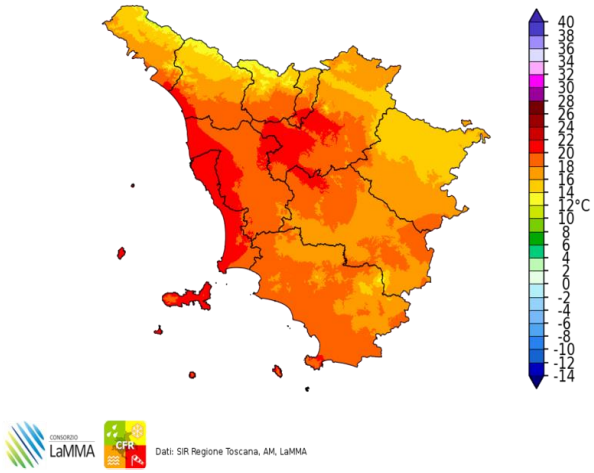
Mari: poco mossi o temporaneamente mossi.

Temperature: in aumento.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	0	18	18	24	19	20	20	19	19	19
	anomalia*	-14	1	1	4	1	1	2	2	1	2
T. max	osservata	30	34	32	28	31	28	30	30	32	32
	anomalia*	0	3	2	1	1	0	1	0	2	3
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

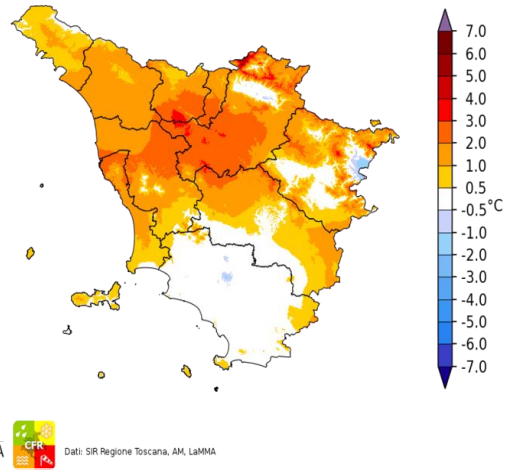
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 21/08/2022



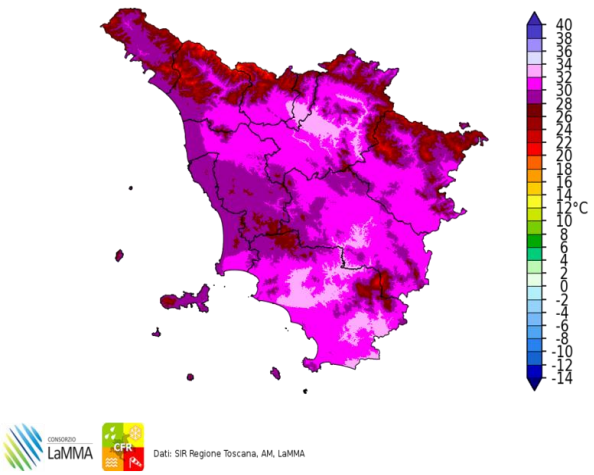
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 21/08/2022 e 20/08/2022



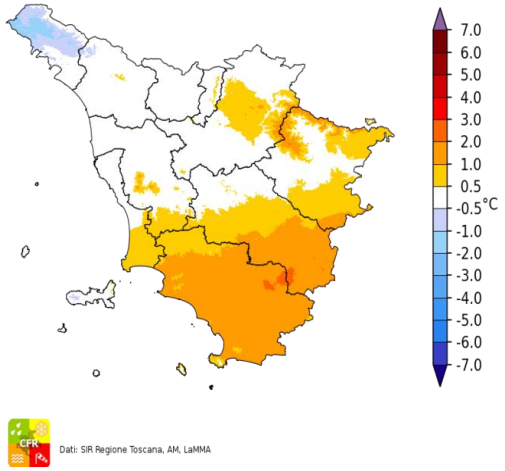
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 21/08/2022



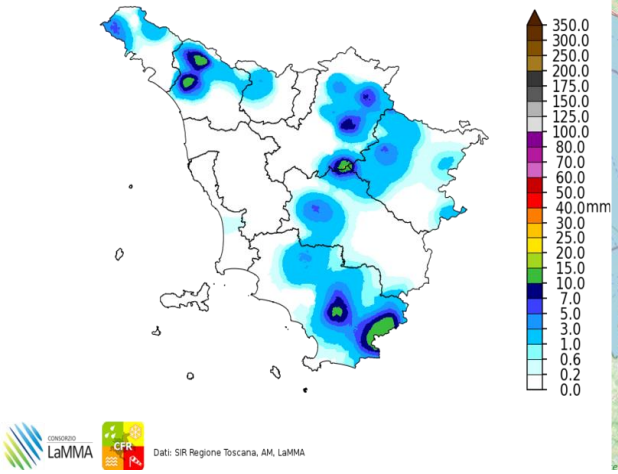
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 21/08/2022 e 20/08/2022



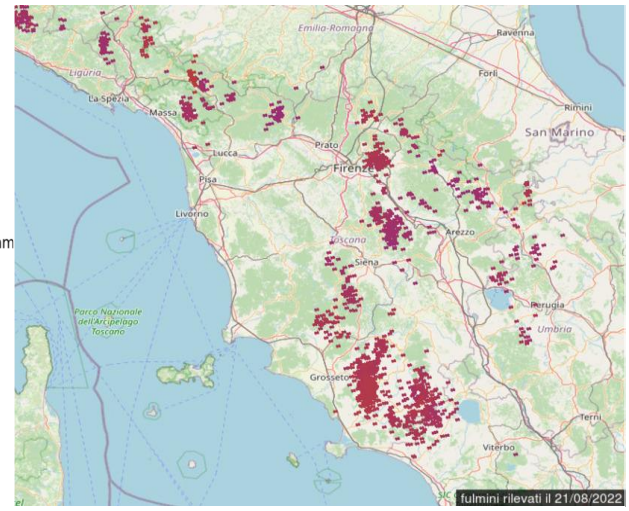
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 21/08/2022



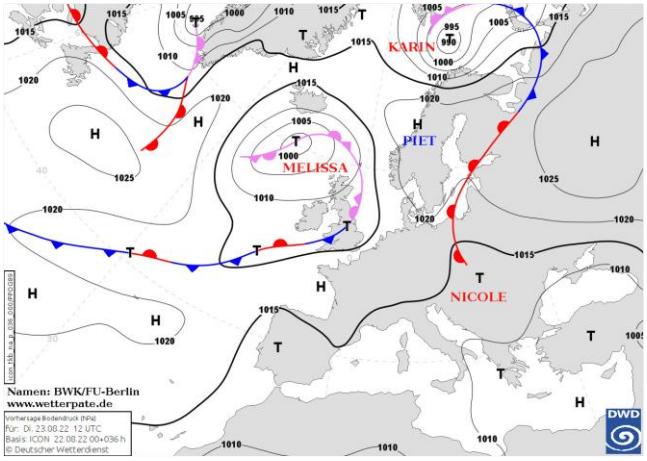
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 21 Agosto

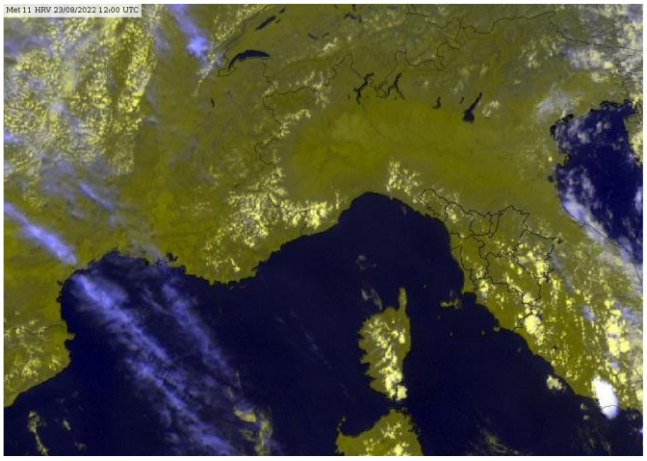


Martedi' 23 Agosto 2022

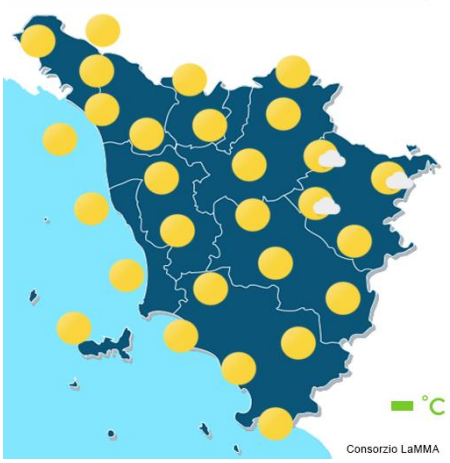
Situazione: il campo di alta pressione presente sul Mediterraneo occidentale tende a irrobustirsi e ad estendersi verso il Mediterraneo centrale, favorendo un aumento della stabilità sulla nostra regione.



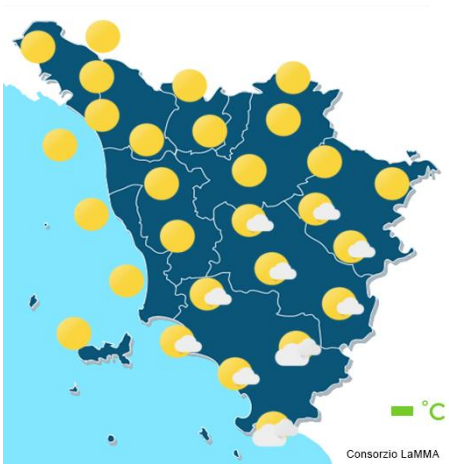
Pressione al suolo e fronti del 23 Agosto alle 12 UTC


Meteosat HRV del 23 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso nel pomeriggio.

Fenomeni: nessuno.

Venti: deboli settentrionali (Grecale nelle zone interne, Maestrale sulla costa), con temporanei rinforzi sul litorale.

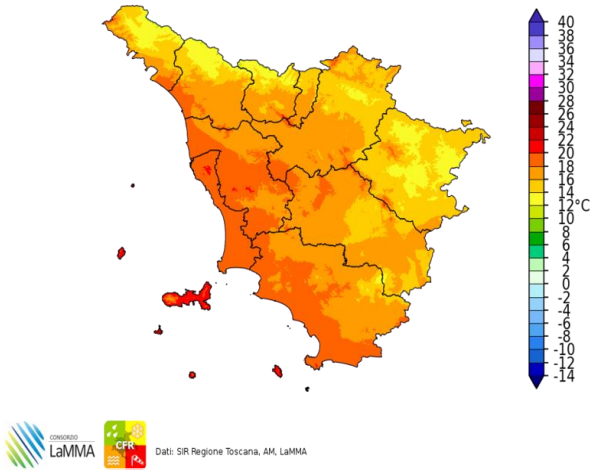
Mari: poco mossi, temporaneamente mossi a sud di Capraia.

Temperature: in leggero calo, più sensibile nelle minime.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	14	17	18	23	17	19	18	16	19	20
	anomalia*	0	-1	0	2	0	0	0	-1	0	2
T. max	osservata	30	34	33	28	33	29	32	32	33	32
	anomalia*	1	3	3	1	3	0	3	2	2	3
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

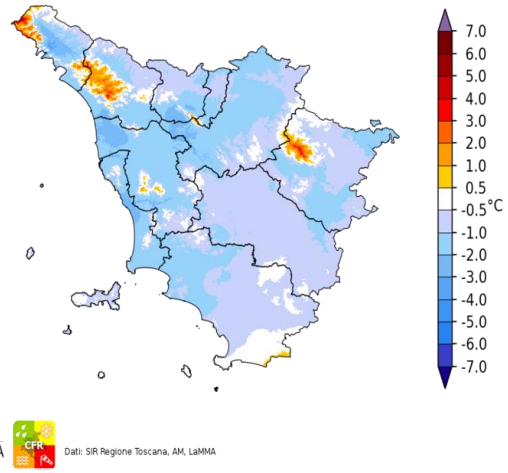
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 23/08/2022



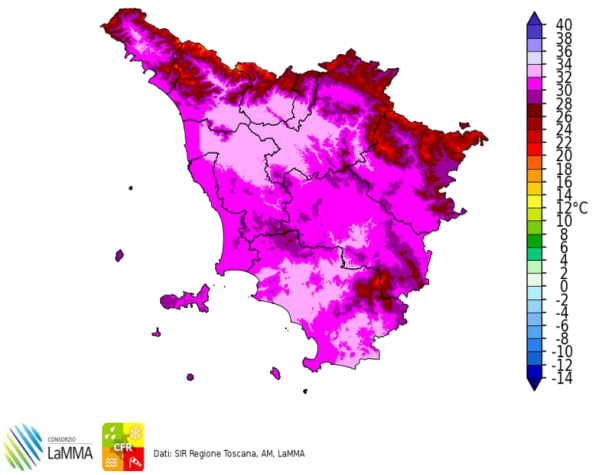
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 23/08/2022 e 22/08/2022



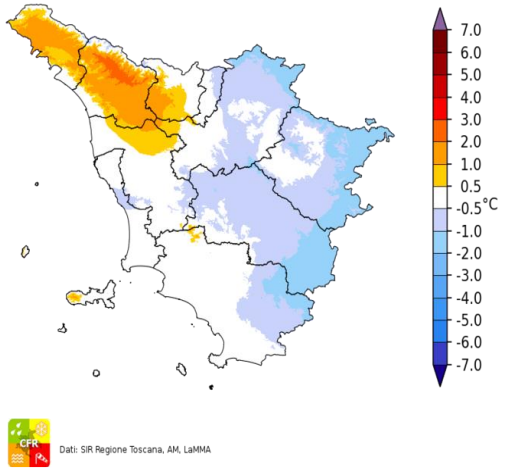
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 23/08/2022



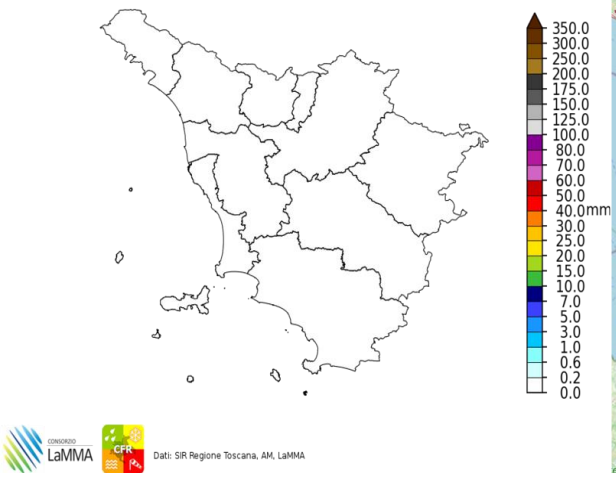
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 23/08/2022 e 22/08/2022



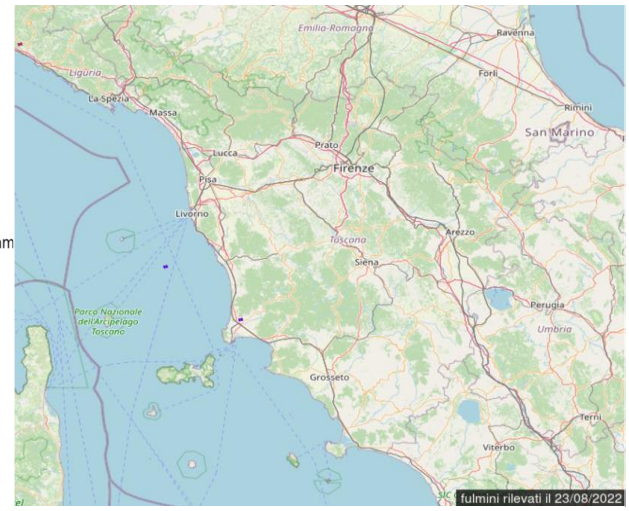
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 23/08/2022



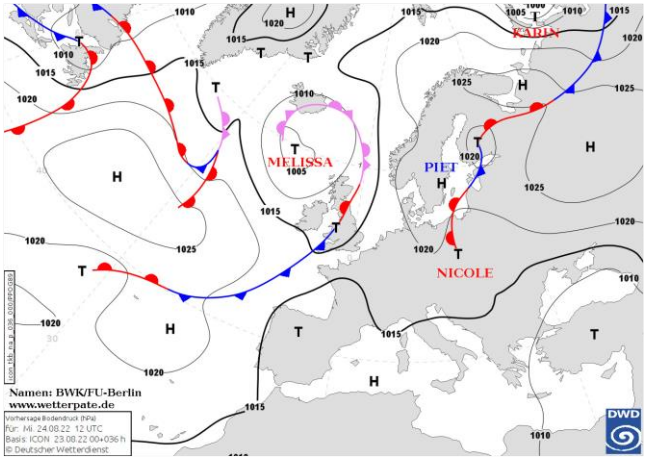
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 23 Agosto

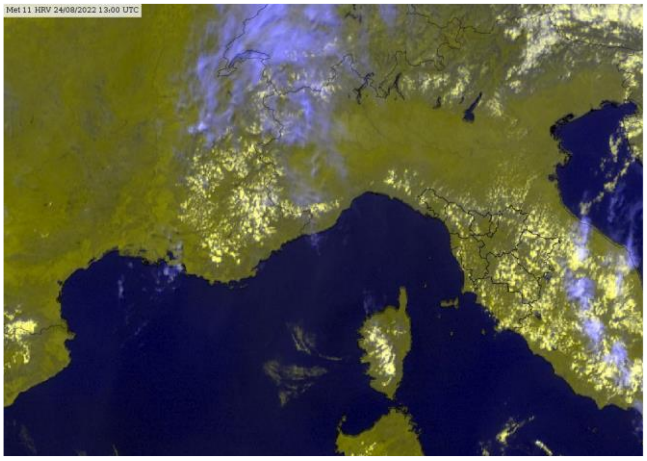


Mercoledi' 24 Agosto 2022

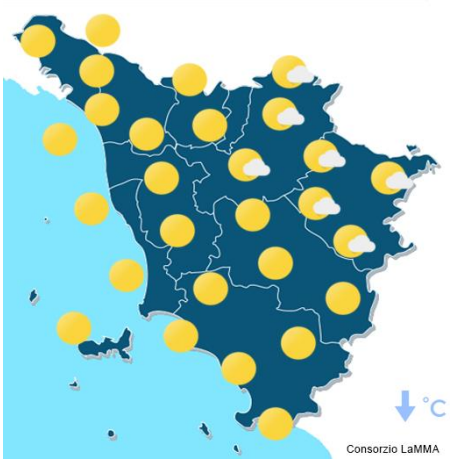
Situazione: il campo di alta pressione presente sul Mediterraneo occidentale tende a irrobustirsi e a interessare gran parte dell'Italia, favorendo un aumento della stabilità.



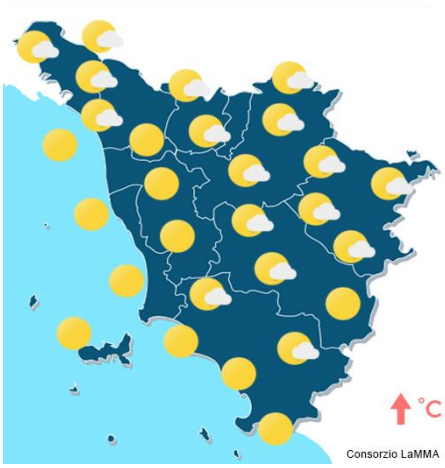
Pressione al suolo e fronti del 24 Agosto alle 12 UTC


Meteosat HRV del 24 Agosto alle 13 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso con locali addensamenti pomeridiani nell'interno.

Fenomeni: nessuno.

Venti: deboli settentrionali, da nord-est nell'interno, da nord-ovest sulla costa con temporanei rinforzi.

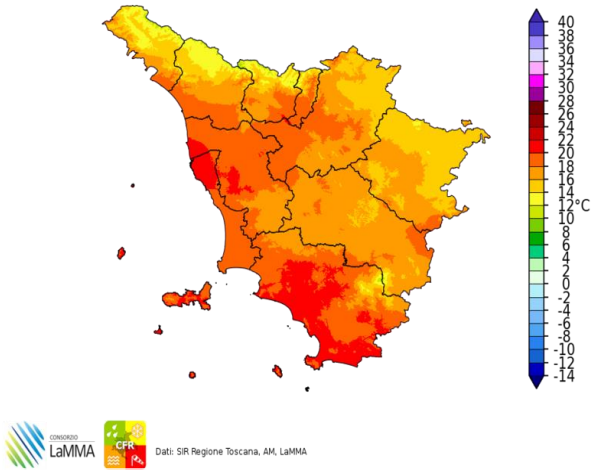
Mari: poco mossi, o temporaneamente mossi nel pomeriggio.

Temperature: minime in rialzo, massime in lieve calo.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	17	19	19	24	18	19	20	18	21	19
	anomalia*	2	1	2	4	0	0	2	1	3	1
T. max	osservata	29	32	33	29	33	29	31	31	31	30
	anomalia*	-1	1	3	1	3	0	2	0	0	1
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

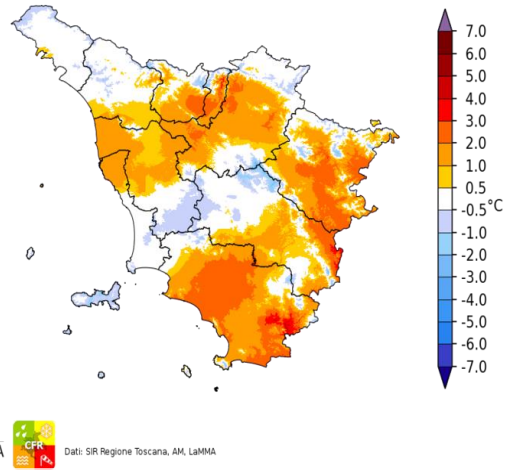
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 24/08/2022



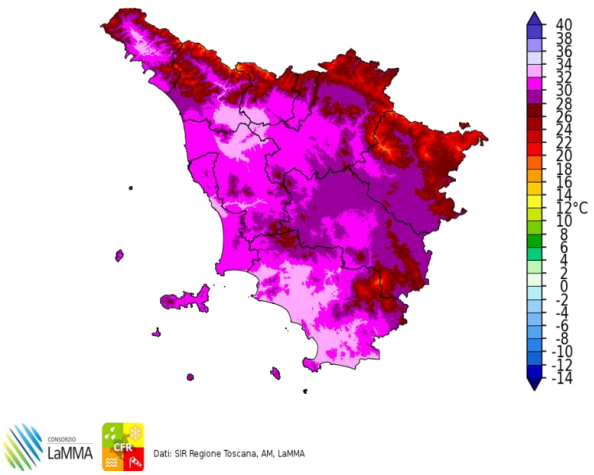
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 24/08/2022 e 23/08/2022



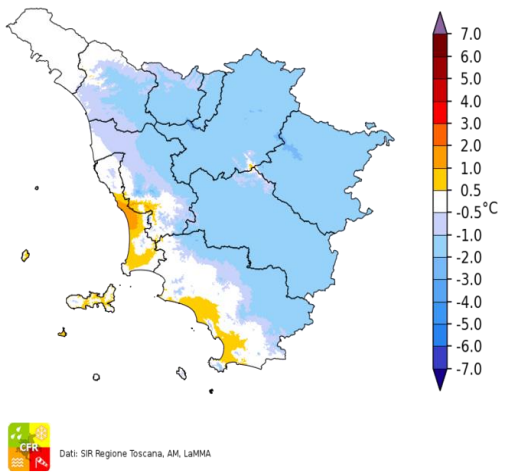
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 24/08/2022



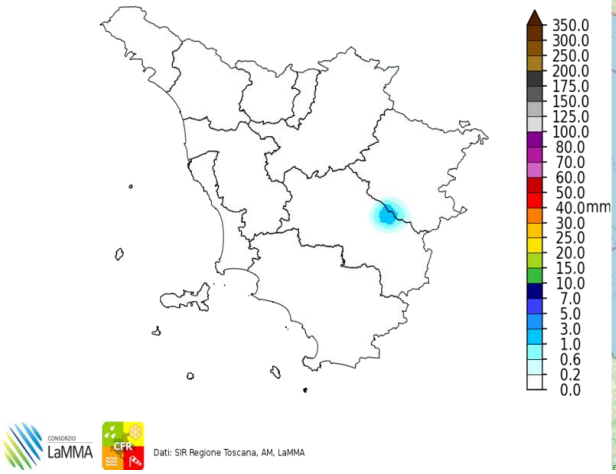
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 24/08/2022 e 23/08/2022



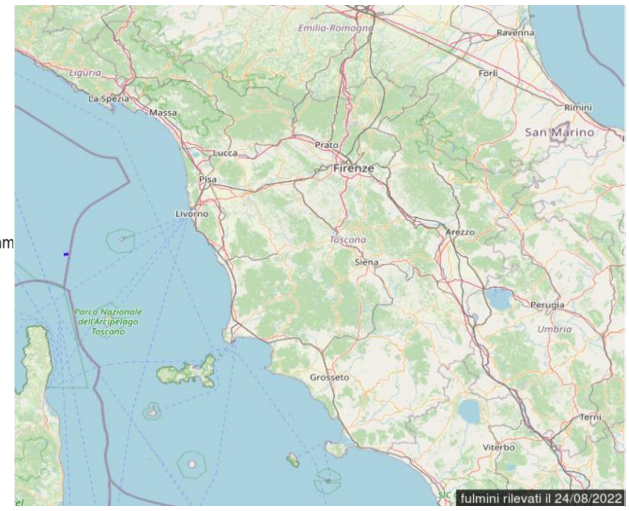
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 24/08/2022



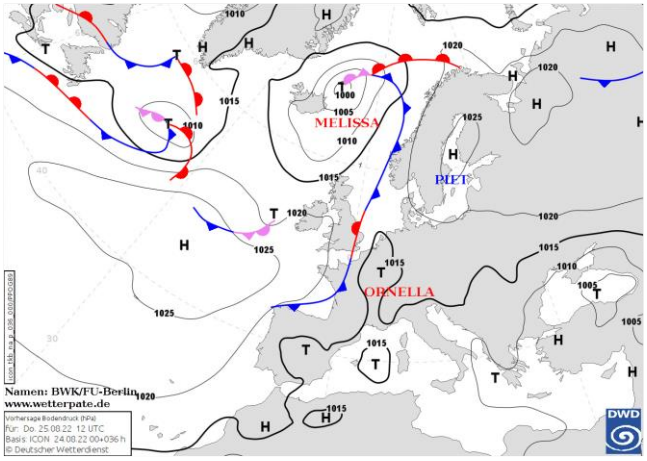
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 24 Agosto

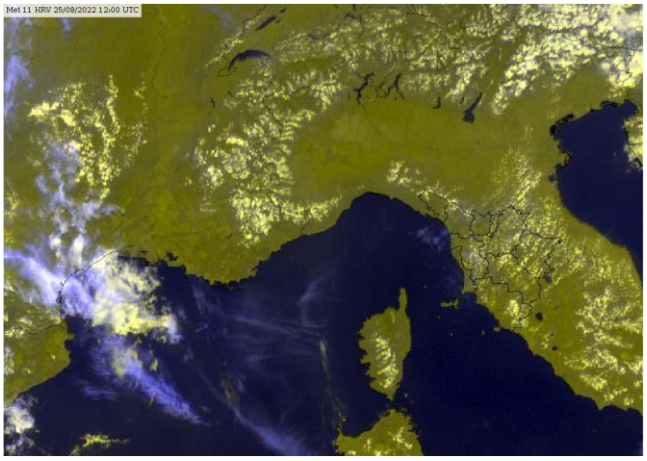


Giovedi' 25 Agosto 2022

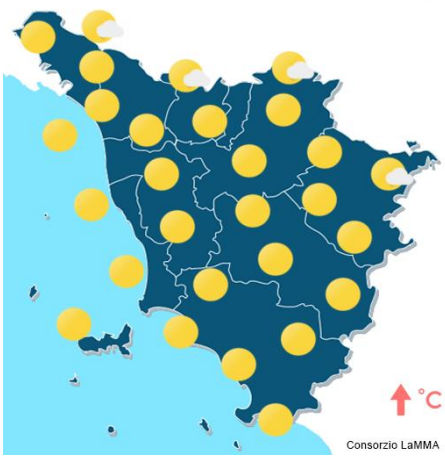
Situazione: sul Mediterraneo centrale il campo di alta pressione presente mostra i primi cenni di cedimento ad opera di una perturbazione atlantica attualmente centrata sulle isole Britanniche; una profonda saccatura di tale depressione si spinge fino alle Baleari e tende a proseguire il suo natural incedere verso levante.



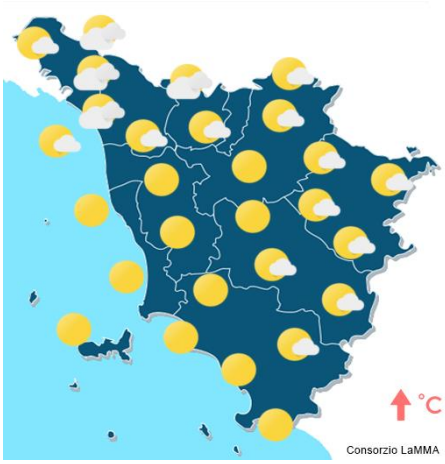
Pressione al suolo e fronti del 25 Agosto alle 12 UTC


Meteosat HRV del 25 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso.

Fenomeni: nessuno.

Venti: deboli da nord-est, in rotazione a nord-ovest nel pomeriggio sulla costa con locali rinforzi.

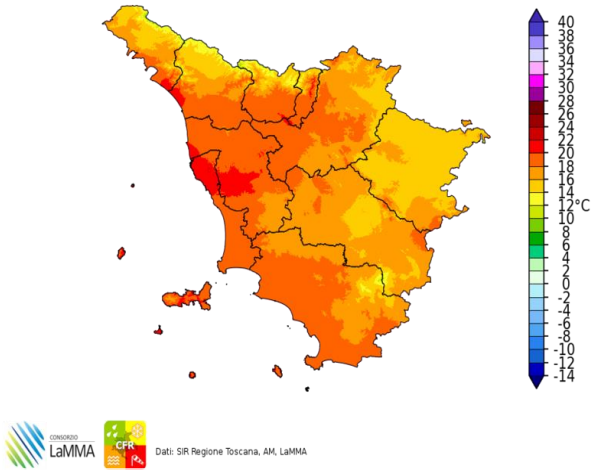
Mari: poco mossi o temporaneamente mossi.

Temperature: in aumento.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	15	19	19	23	18	20	20	19	21	19
	anomalia*	1	2	2	3	1	2	2	2	3	2
T. max	osservata	32	34	34	29	32	29	31	32	33	33
	anomalia*	2	3	4	2	2	0	2	2	2	4
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

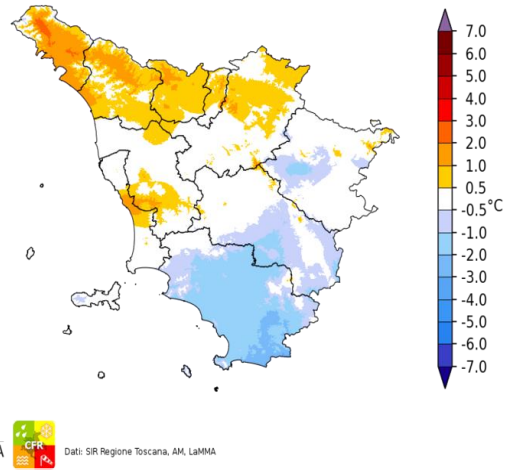
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 25/08/2022



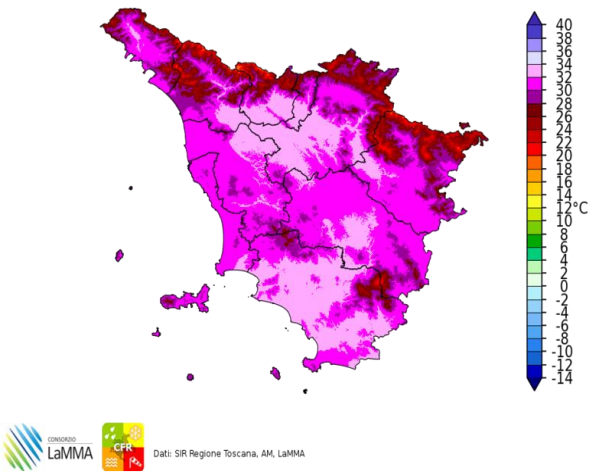
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 25/08/2022 e 24/08/2022



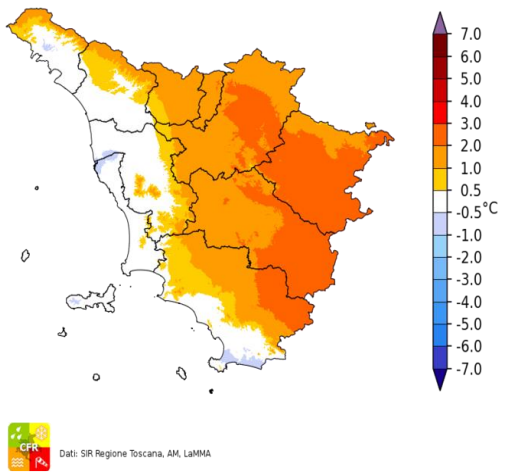
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 25/08/2022



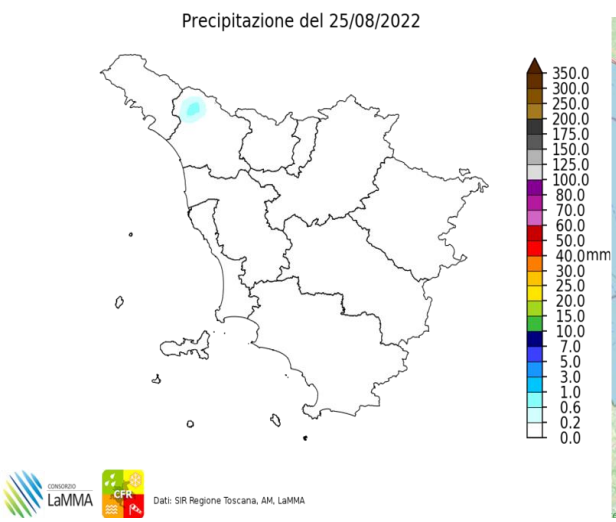
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 25/08/2022 e 24/08/2022



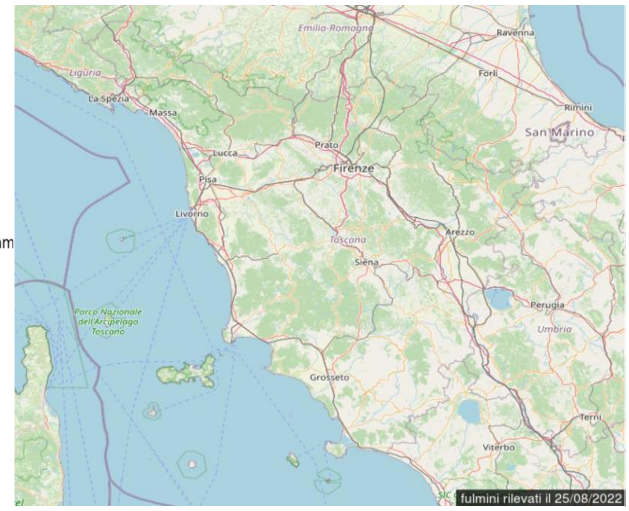
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 25/08/2022



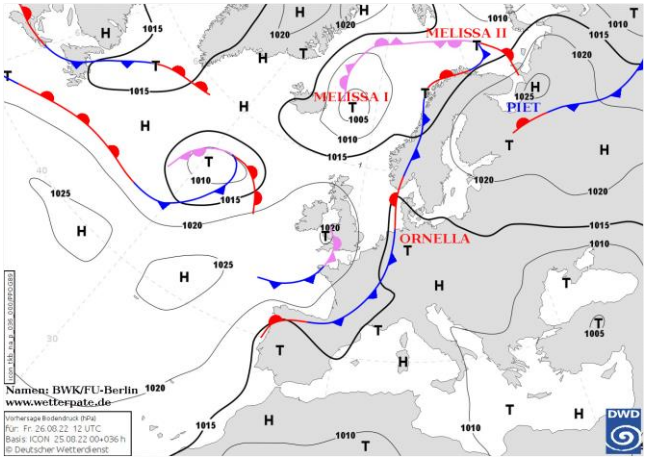
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 25 Agosto

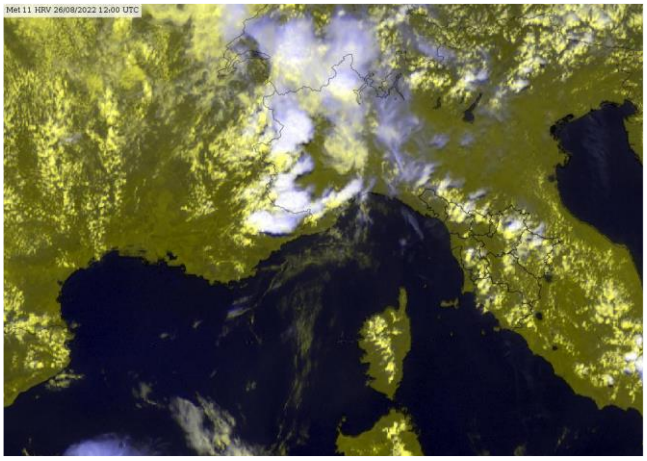


Venerdi' 26 Agosto 2022

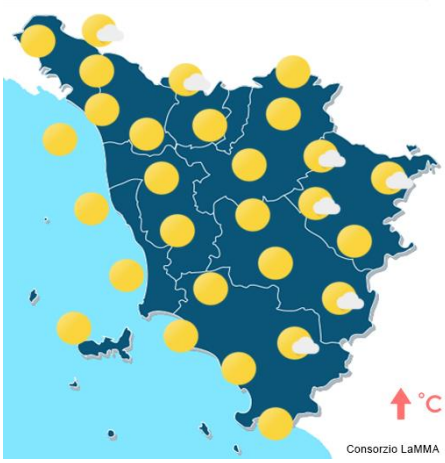
Situazione: una saccatura atlantica si muove dalle Isole Britanniche verso levante, causando una lieve calo del geopotenziale e della temperatura in quota. Questa situazione favorisce un aumento della instabilità anche sull'Italia.



Pressione al suolo e fronti del 26 Agosto alle 12 UTC


Meteosat HRV del 26 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso in mattinata; sviluppo di nubi cumuliformi nell'interno durante il pomeriggio. Poco nuvoloso in serata.

Fenomeni: brevi temporali a carattere sparso sulle zone interne nelle ore pomeridiane.

Venti: deboli da ovest, nord-ovest con rinforzi sulla costa nel pomeriggio.

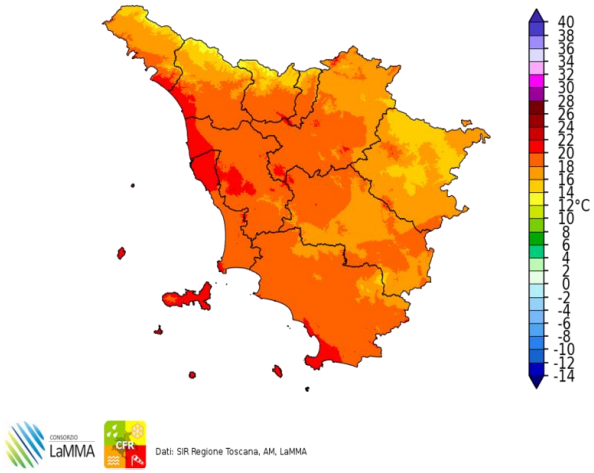
Mari: poco mossi.

Temperature: stazionarie o in lieve aumento le minime.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	16	19	19	24	19	21	20	19	21	20
	anomalia*	2	2	2	3	2	2	2	2	3	2
T. max	osservata	31	33	33	29	32	29	31	32	33	32
	anomalia*	2	3	3	2	2	0	2	1	2	3
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	1	5

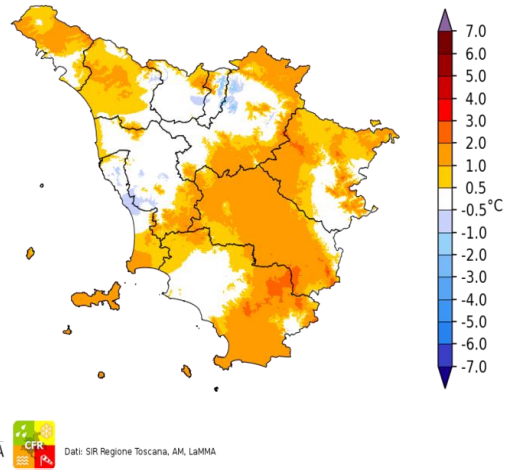
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 26/08/2022



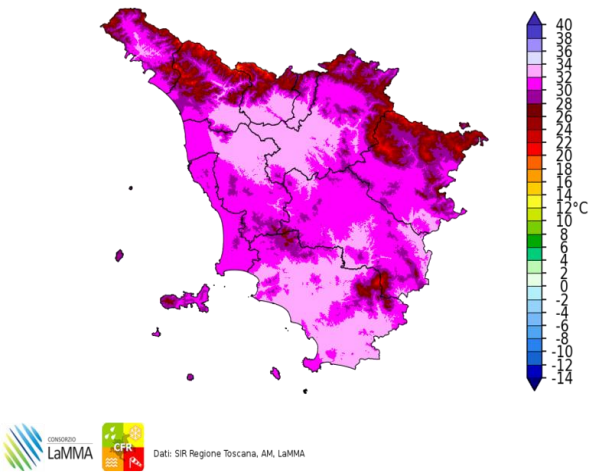
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 26/08/2022 e 25/08/2022



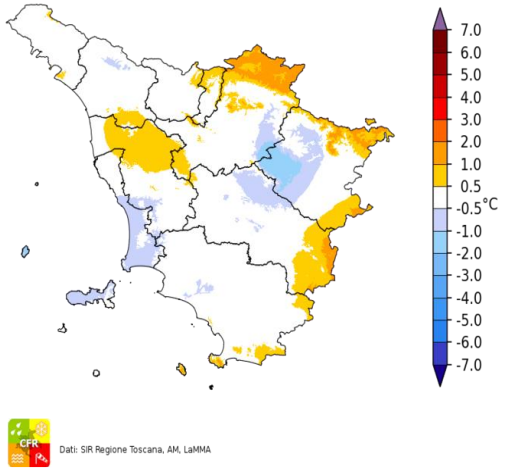
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 26/08/2022



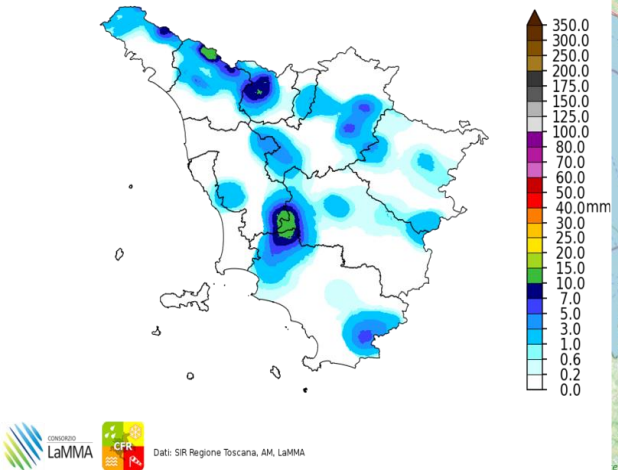
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 26/08/2022 e 25/08/2022



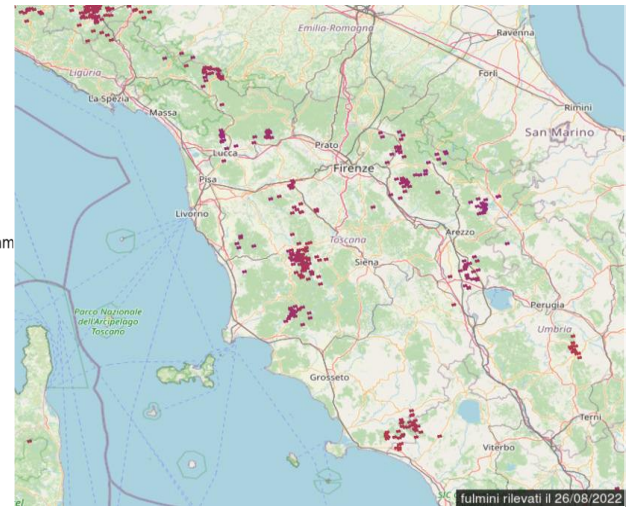
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 26/08/2022



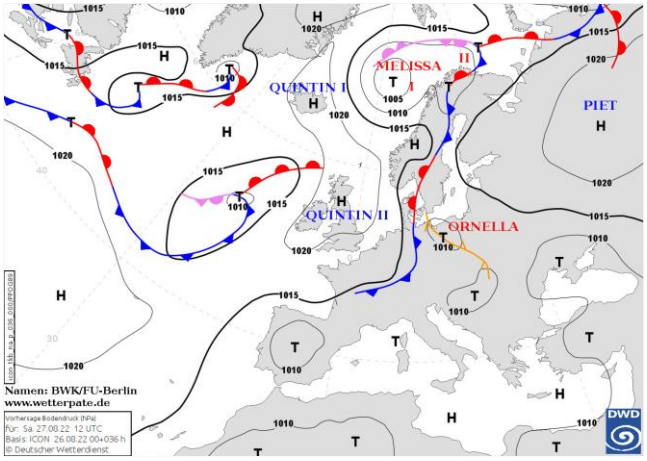
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 26 Agosto

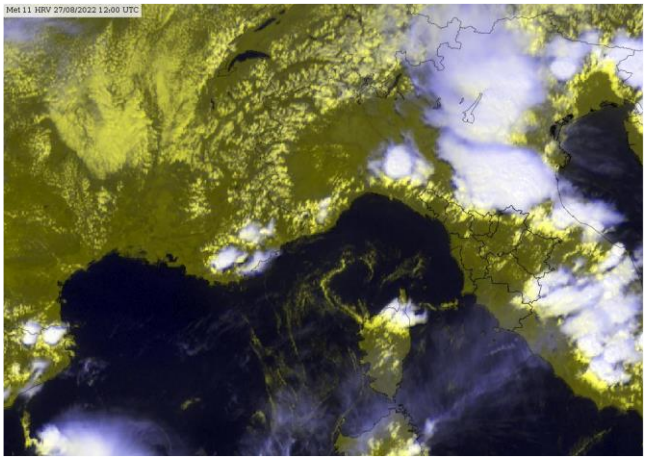


Sabato 27 Agosto 2022

Situazione: infiltrazioni di aria fresca in quota favoriscono condizioni di moderata instabilità sulla nostra regione.

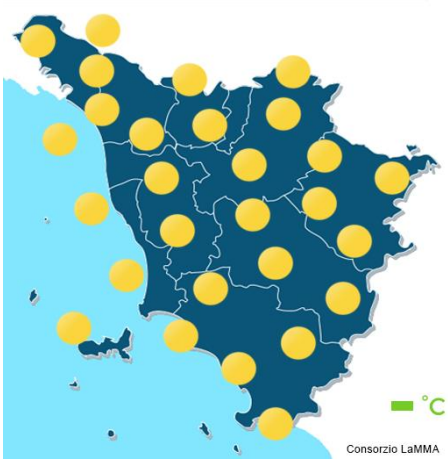


Pressione al suolo e fronti del 27 Agosto alle 12 UTC



Meteosat HRV del 27 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno al mattino, nuvoloso nel pomeriggio sulle zone interne per nubi termoconvettive.

Fenomeni: rovesci e temporali sparsi nel pomeriggio sulle zone interne.

Venti: deboli da sud, sud-ovest.

Mari: poco mossi.

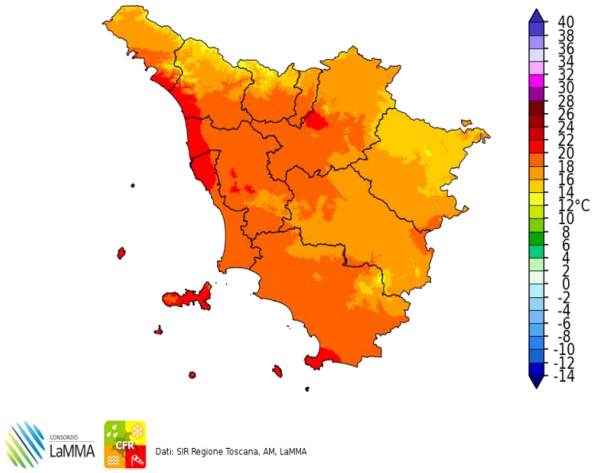
Temperature: in lieve flessione.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	0	18	19	24	20	21	20	19	20	19
	anomalia*	-14	1	2	3	2	3	2	2	2	1
T. max	osservata	32	33	31	29	32	29	31	31	33	31
	anomalia*	2	3	1	2	2	0	2	1	2	2
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	11

*anomalia calcolata sulla base della normale climatica decadale 1981-2010

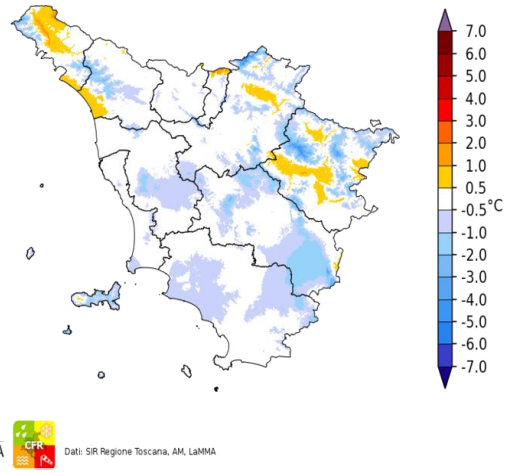
Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 27/08/2022



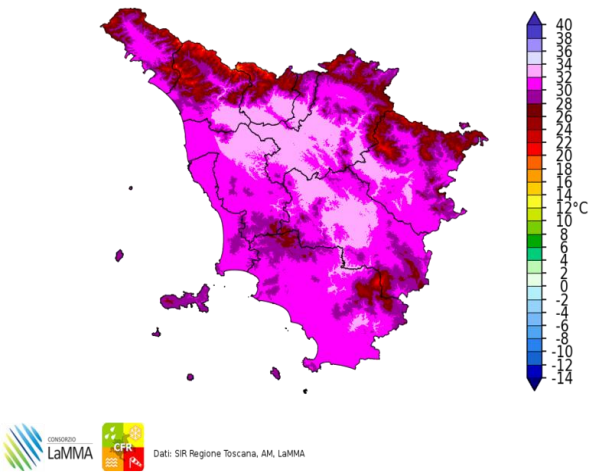
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 27/08/2022 e 26/08/2022



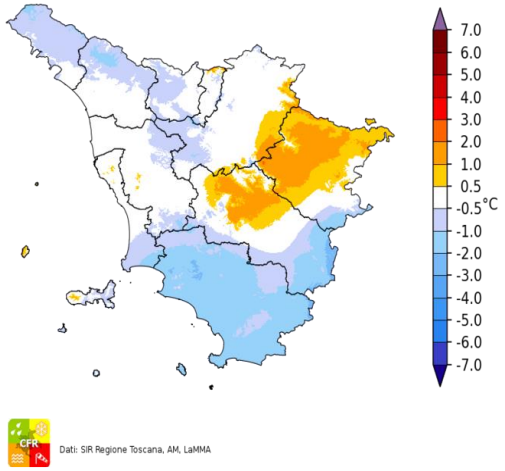
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 27/08/2022



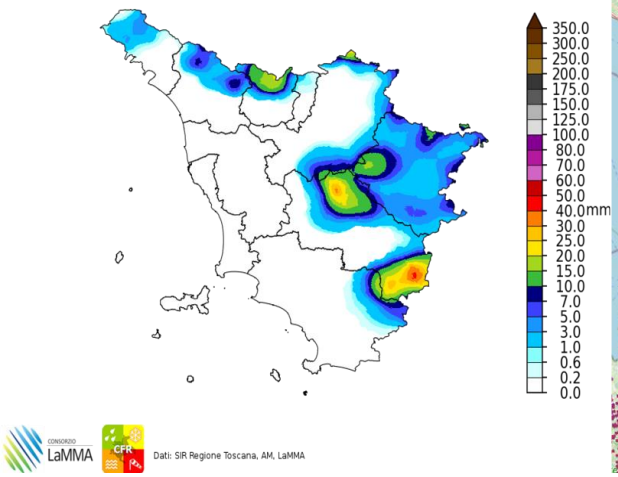
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 27/08/2022 e 26/08/2022



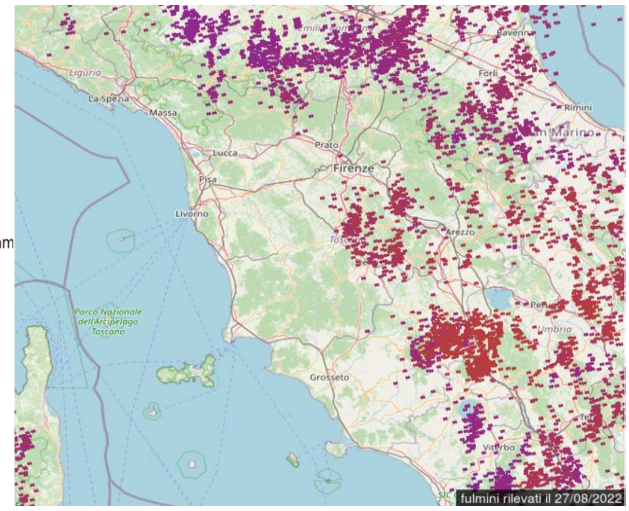
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 27/08/2022



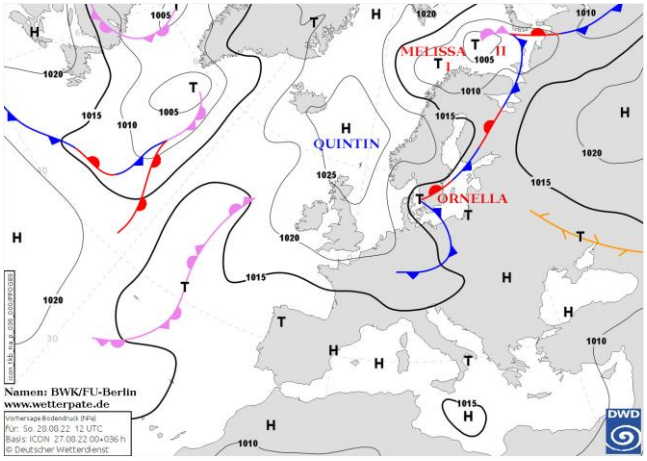
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 27 Agosto

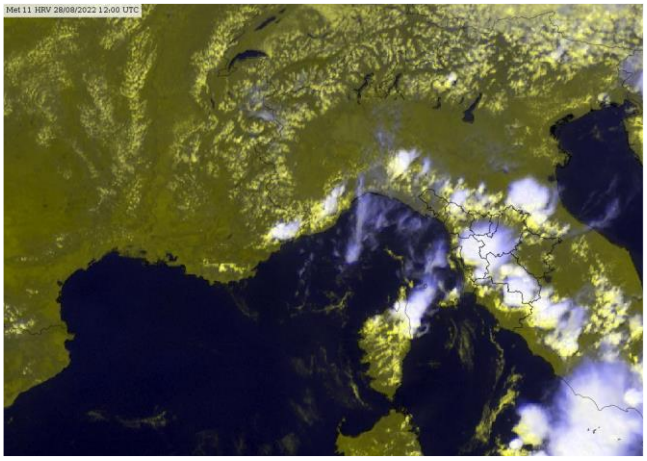


Domenica 28 Agosto 2022

Situazione: infiltrazioni di aria fresca in quota favoriscono condizioni di moderata instabilità sulla nostra regione.



Pressione al suolo e fronti del 28 Agosto alle 12 UTC



Meteosat HRV del 28 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: inizialmente sereno o poco nuvoloso con aumento della nuvolosità cumuliforme dalla tarda mattinata e nel pomeriggio su gran parte delle zone interne e sulla costa livornese e pisana.

Fenomeni: rovesci e temporali sparsi, in particolare in Appennino, Pratomagno, Colline Pisane, Metallifere, Amiatino e localmente su costa livornese. Massimi fino a 30-40 mm, puntualmente fino a 60 mm sul Pratomagno.

Venti: deboli da sud, sud-ovest.

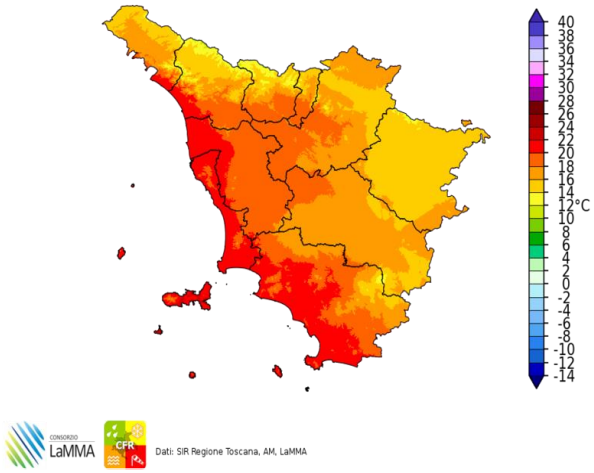
Mari: poco mossi.

Temperature: minime stazionarie o in aumento lungo la costa, massime in calo nell'interno, stazionarie sulla costa.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	0	17	19	22	19	21	19	18	19	18
	anomalia*	-14	0	2	1	2	2	1	2	1	1
T. max	osservata	30	30	31	30	31	29	30	29	30	30
	anomalia*	0	-1	1	3	1	0	1	-1	0	1
Precipitazione (mm/24ore)		0	0	0	2	7	0	2	1	1	0

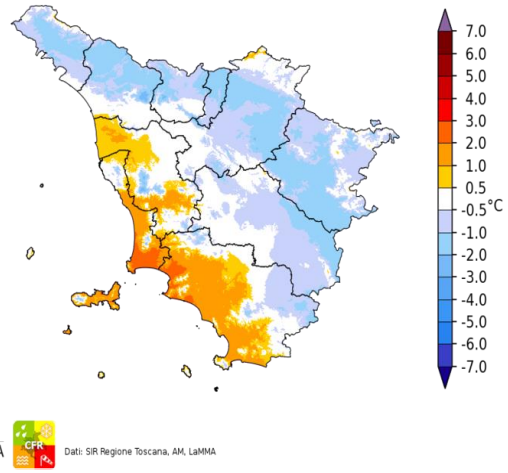
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 28/08/2022



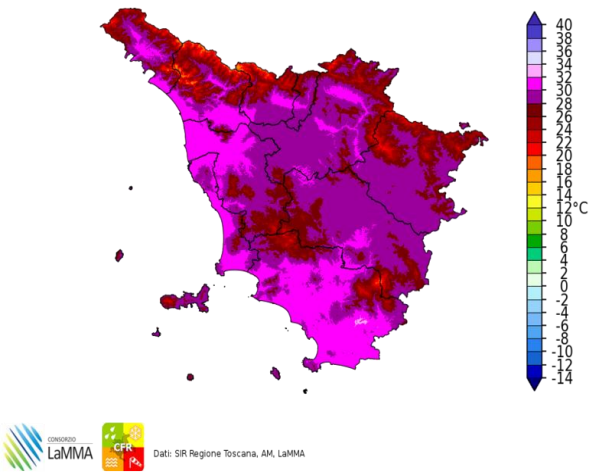
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 28/08/2022 e 27/08/2022



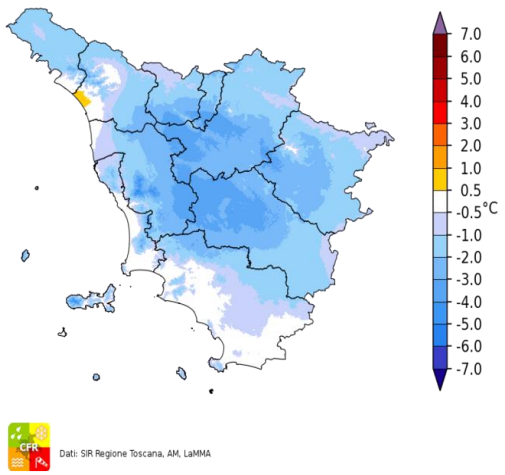
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 28/08/2022



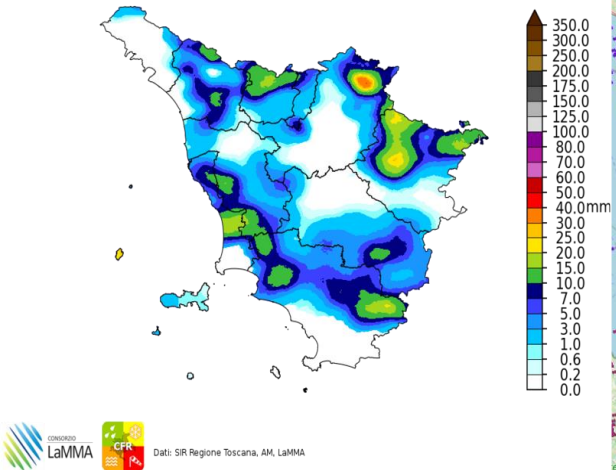
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 28/08/2022 e 27/08/2022



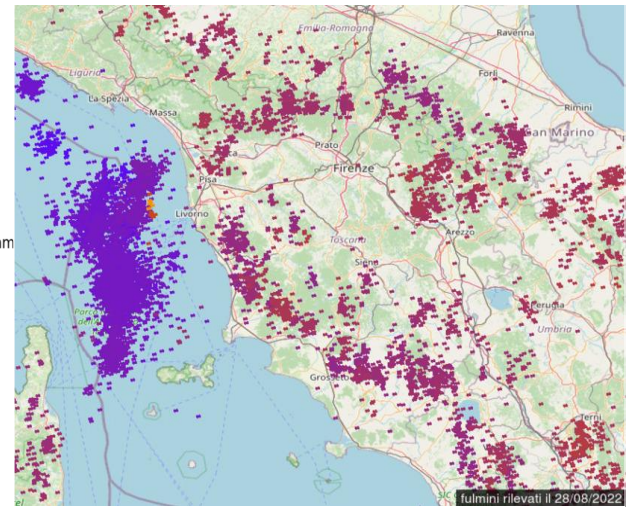
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 28/08/2022



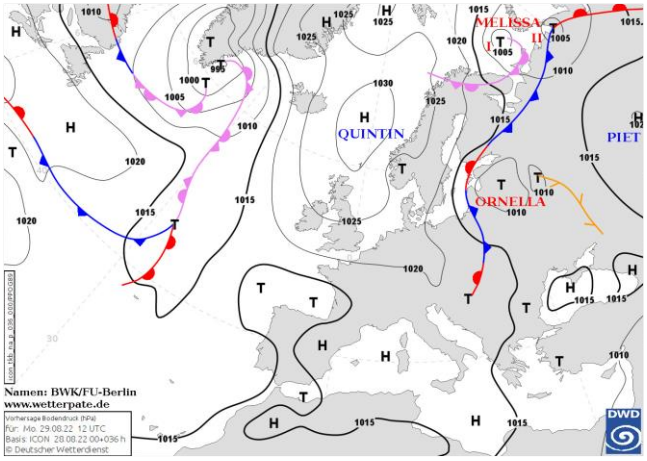
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 28 Agosto

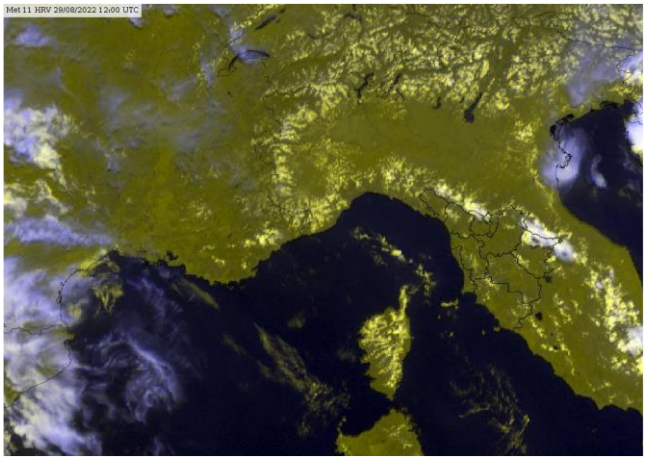


Lunedi' 29 Agosto 2022

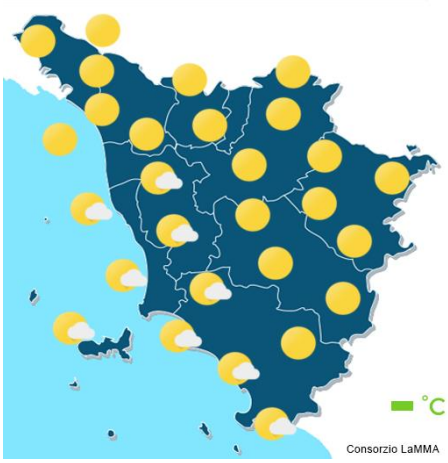
Situazione: sul Mediterraneo centrale pressione livellata intorno a 1016-1018 hPa. Deboli infiltrazioni di aria fresca in quota favoriscono condizioni di moderata instabilità sulla nostra regione.



Pressione al suolo e fronti del 29 Agosto alle 12 UTC


Meteosat HRV del 29 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso ma con sviluppo di nuvolosità cumuliforme pomeridiana sulle zone interne e sui rilievi.

Fenomeni: locali temporali sui rilievi.

Venti: deboli occidentali.

Mari: poco mossi.

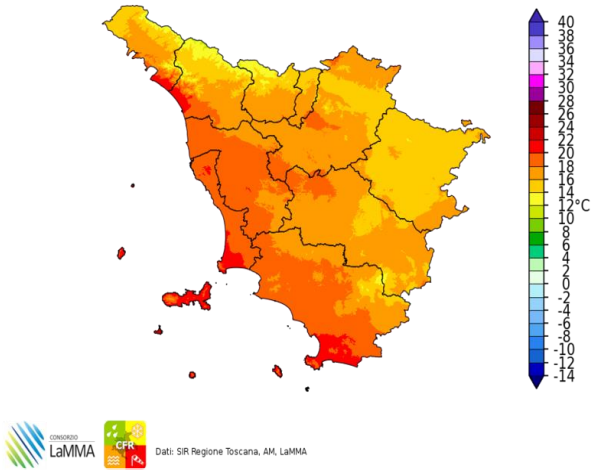
Temperature: minime in calo sulle zone più occidentali della regione, massime in aumento.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	15	17	19	22	18	21	19	17	18	18
	anomalia*	1	0	2	2	0	2	1	0	0	0
T. max	osservata	31	33	31	29	32	28	31	30	32	32
	anomalia*	1	2	1	1	2	0	2	-1	2	3
Precipitazione (mm/24ore)		0	0	0	0	0	0	N.D.	0	0	0

*anomalia calcolata sulla base della normale climatica decadale 1981-2010

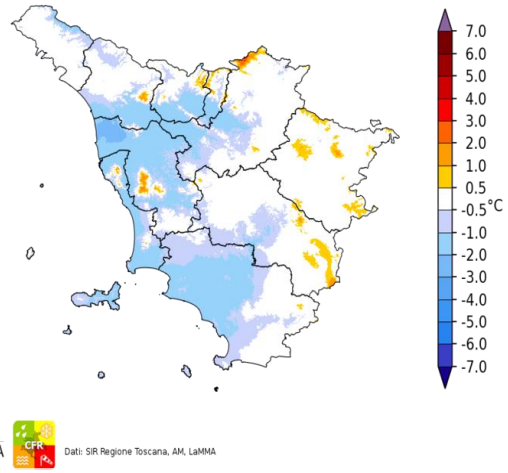
Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 29/08/2022



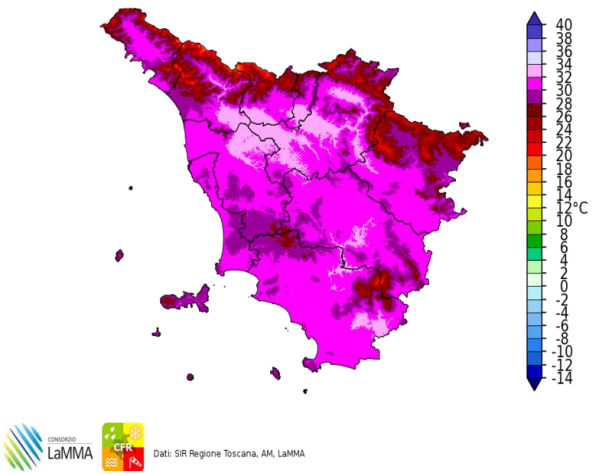
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 29/08/2022 e 28/08/2022



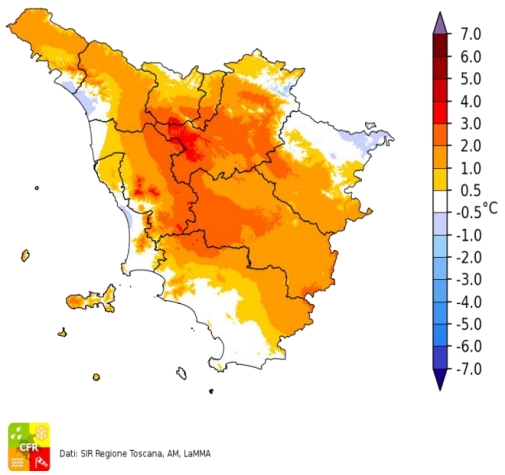
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 29/08/2022



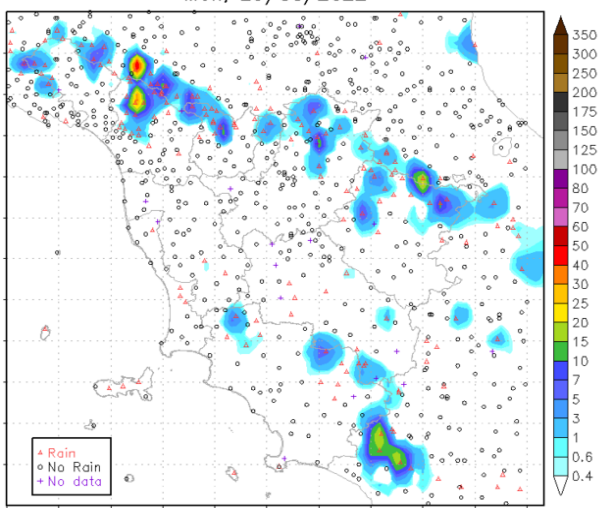
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 29/08/2022 e 28/08/2022

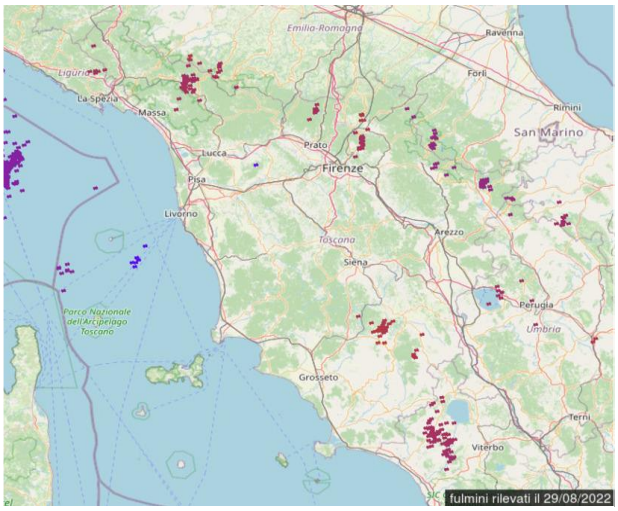


Dati: SIR Regione Toscana, AM, LaMMA

Total Precipitation [mm] cumulated on Mon, 29/08/2022

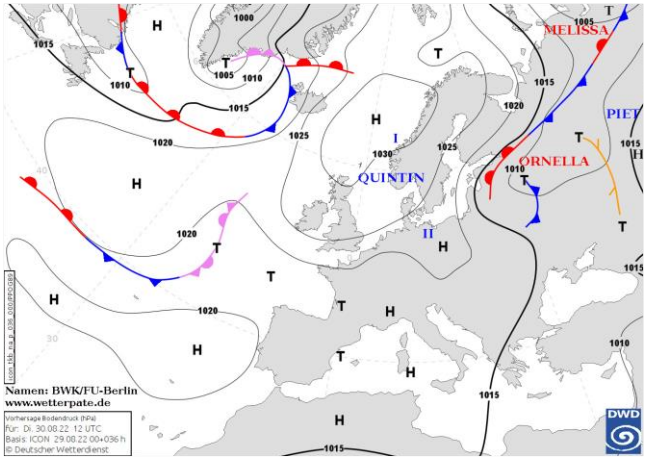


Fulminazioni osservate il giorno 29 Agosto

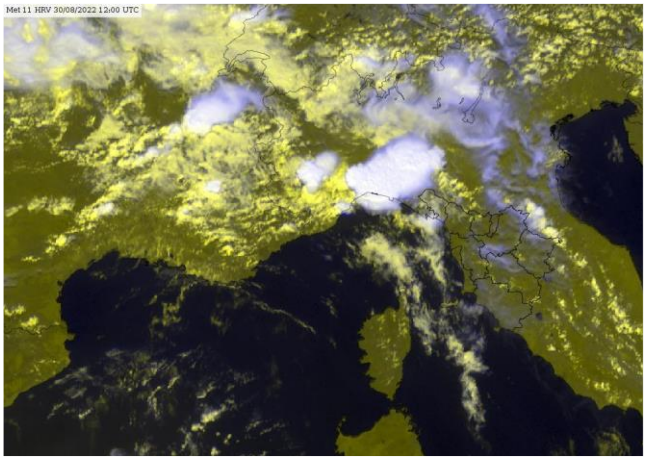


Martedi' 30 Agosto 2022

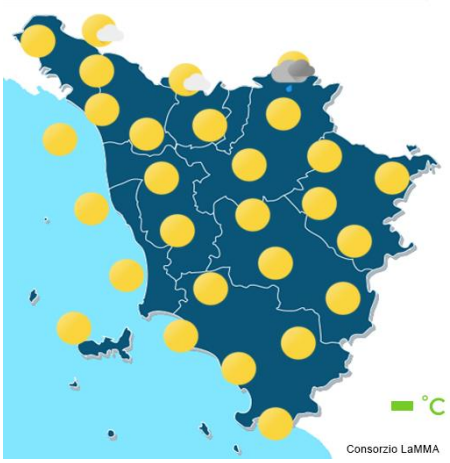
Situazione: pressione livellata intorno a 1016-1018 hPa sul Mediterraneo centrale con deboli infiltrazioni di aria fresca in quota che favoriscono modeste condizioni di instabilità.



Pressione al suolo e fronti del 30 Agosto alle 12 UTC


Meteosat HRV del 30 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: poco nuvoloso al mattino, aumento delle nubi durante le ore pomeridiane fino a cielo nuvoloso in serata, soprattutto sulle zone settentrionali della regione.

Fenomeni: brevi rovesci o temporali isolati con cumulati poco significativi.

Venti: deboli da ovest, nord-ovest.

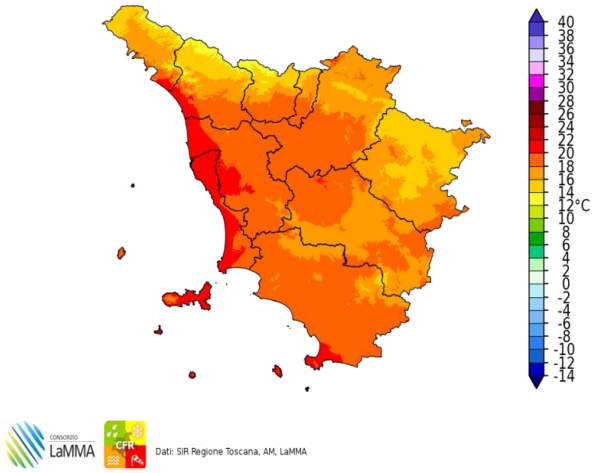
Mari: poco mossi.

Temperature: in aumento le minime sulle zone interne.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	16	19	19	24	19	20	20	18	20	20
	anomalia*	2	2	2	3	2	2	2	2	1	2
T. max	osservata	32	33	33	29	31	28	31	31	33	32
	anomalia*	2	2	3	1	1	-1	2	1	2	3
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

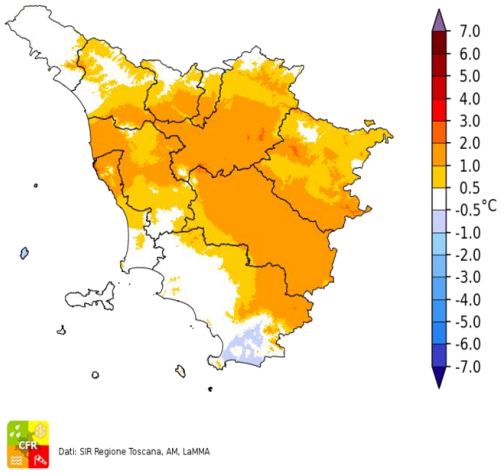
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 30/08/2022



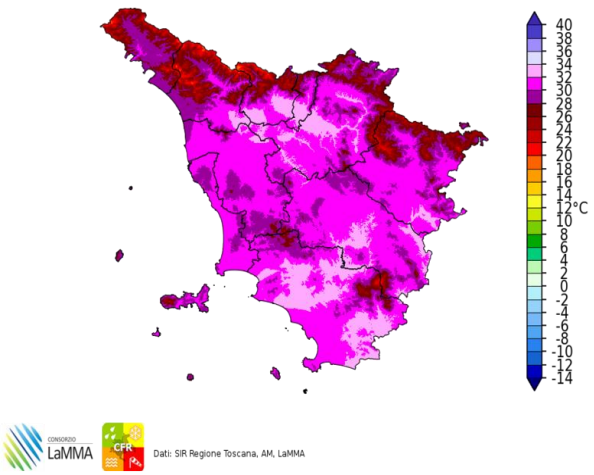
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 30/08/2022 e 29/08/2022



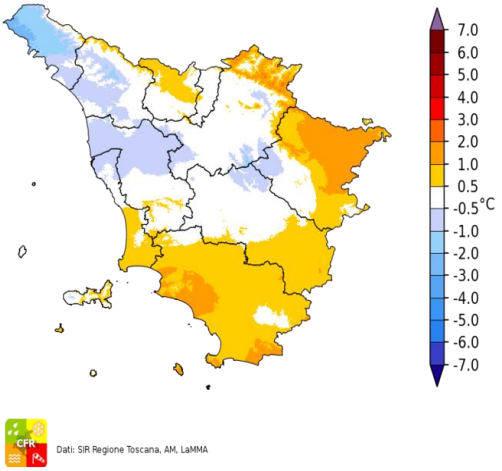
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 30/08/2022



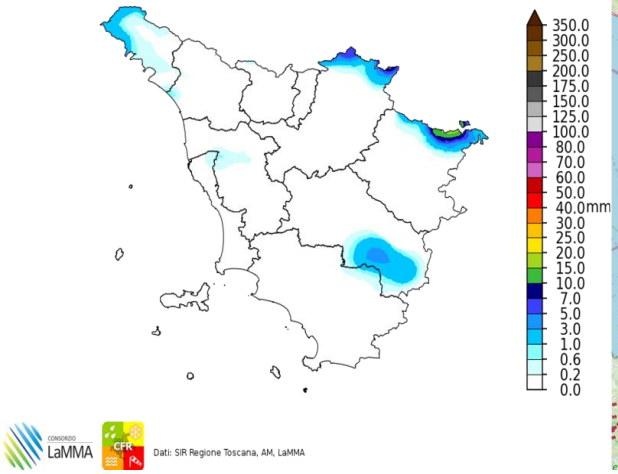
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 30/08/2022 e 29/08/2022



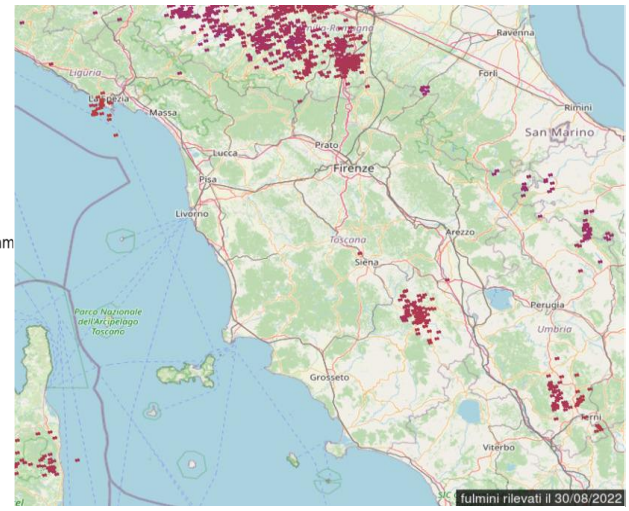
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 30/08/2022



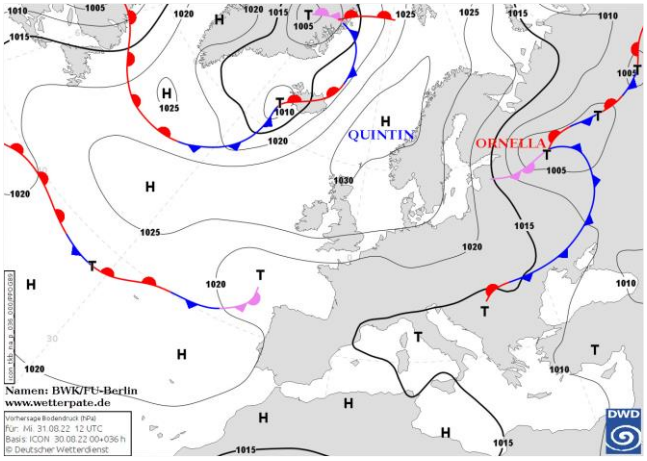
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 30 Agosto

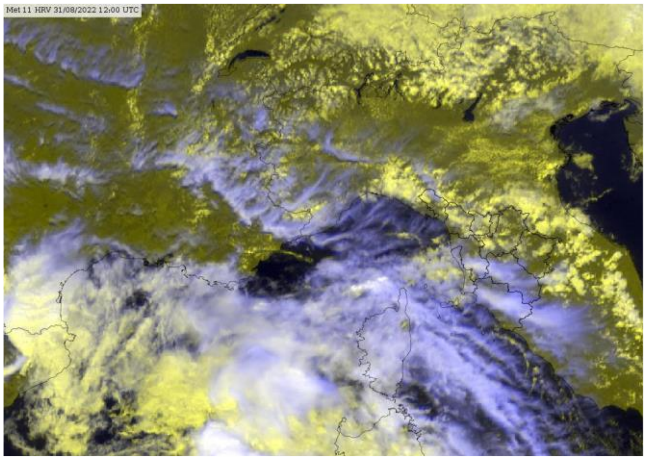


Mercoledi' 31 Agosto 2022

Situazione: transito di una modesta perturbazione in quota con isolati rovesci o temporali.



Pressione al suolo e fronti del 31 Agosto alle 12 UTC



Meteosat HRV del 31 Agosto alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: parzialmente nuvoloso o nuvoloso.

Fenomeni: rovesci sparsi e isolati temporali in mattinata su nord-ovest e costa centro-settentrionale. Isolati rovesci nel pomeriggio nell'interno.

Venti: occidentali.

Mari: poco mossi.

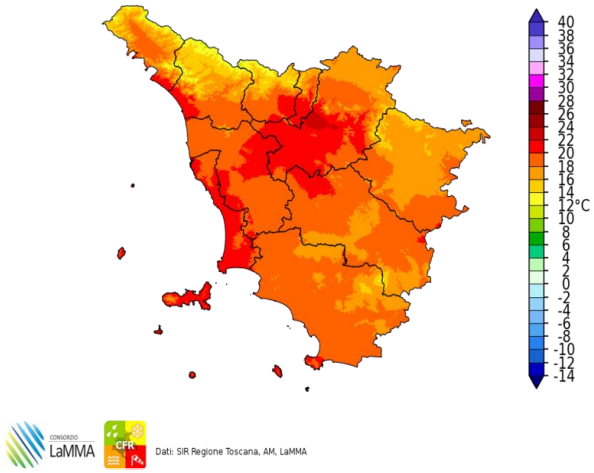
Temperature: minime in lieve aumento, massime in lieve diminuzione.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	0	20	19	23	20	21	12	20	22	20
	anomalia*	-14	2	2	3	2	2	-6	3	4	2
T. max	osservata	30	31	30	28	30	28	30	29	31	31
	anomalia*	0	1	0	1	0	-1	1	-2	0	2
Precipitazione (mm/24ore)		0	0	0	10	0	20	2	0	0	0

*anomalia calcolata sulla base della normale climatica decadale 1981-2010

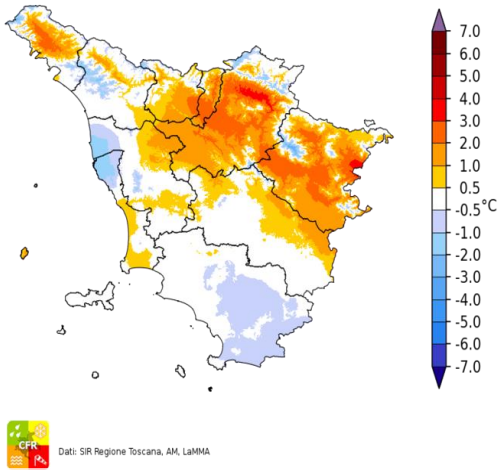
Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 31/08/2022



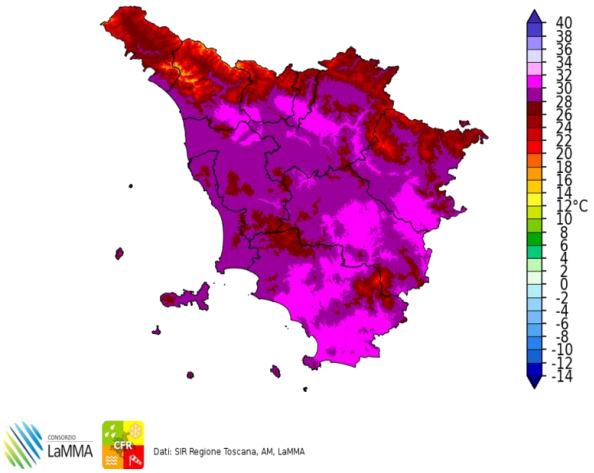
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 31/08/2022 e 30/08/2022



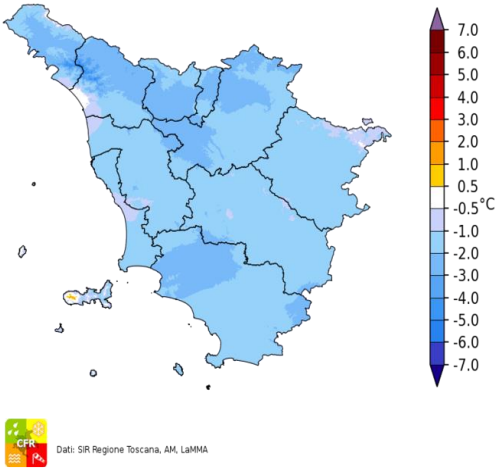
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 31/08/2022



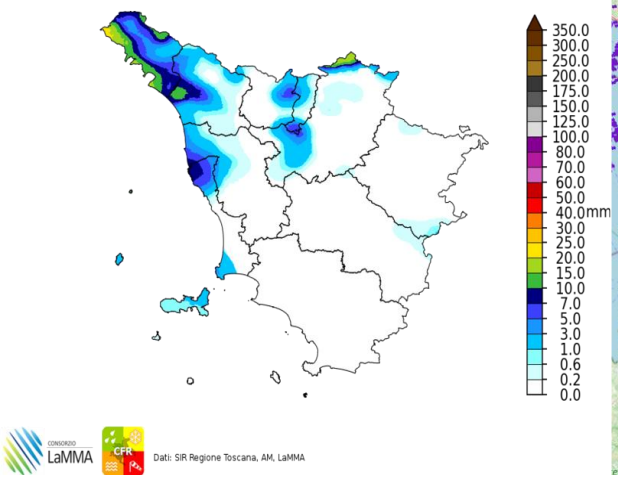
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 31/08/2022 e 30/08/2022



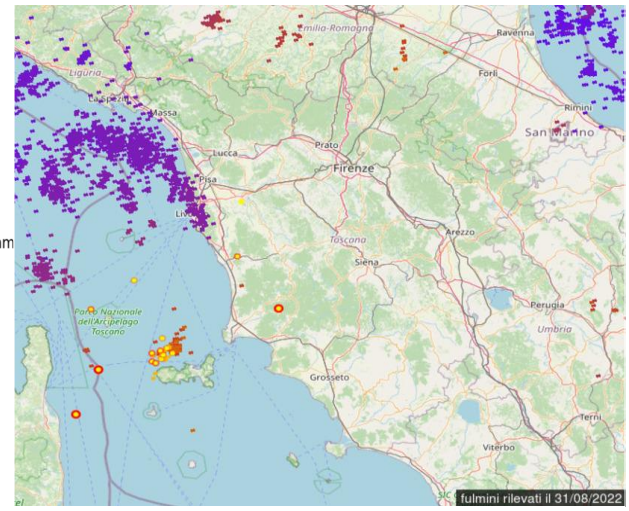
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 31/08/2022



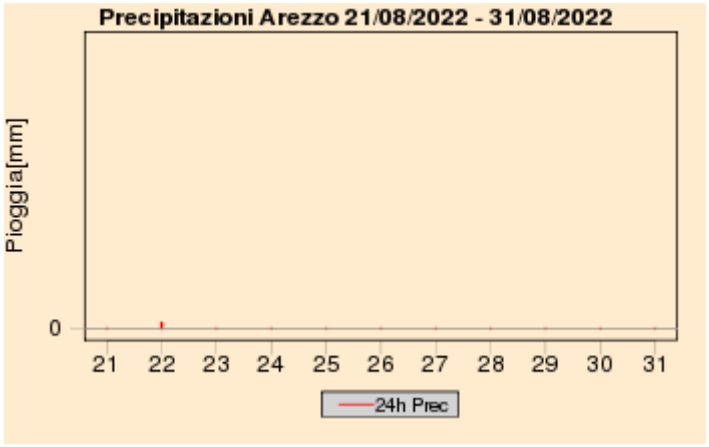
Dati: SIR Regione Toscana, AM, LaMMA

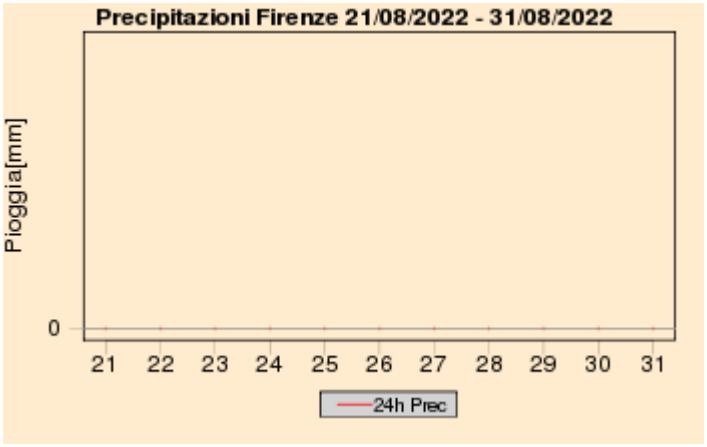
Fulminazioni osservate il giorno 31 Agosto

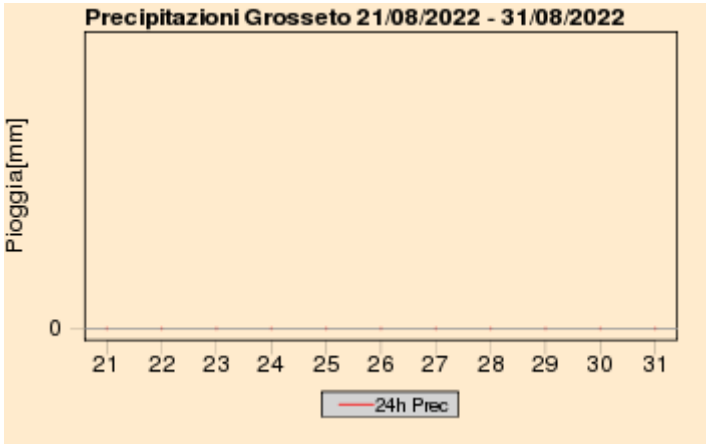


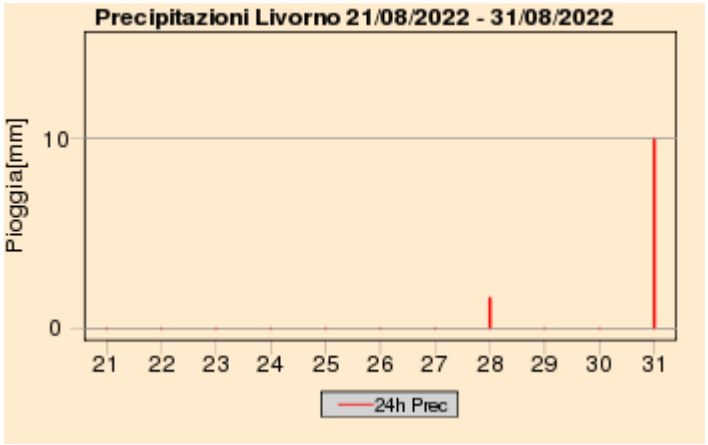
III decade - Quadro regionale – Precipitazioni

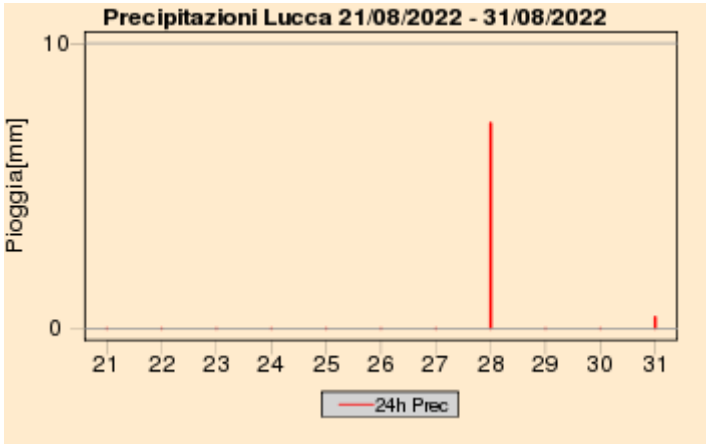
La terza decade di Agosto è stata caratterizzata da temporanee condizioni di moderata instabilità che hanno favorito l'occorrenza di rovesci e temporali a carattere sparso più frequenti sui settori appenninici, sulle Metallifere e colli pisani, sui rilievi del Chianti e sul monte Amiata. Poco significative le piogge cadute sulle zone di pianura e su gran parte della costa.

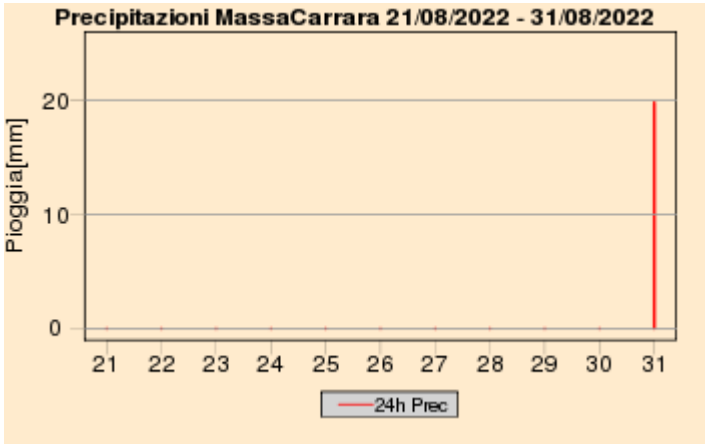


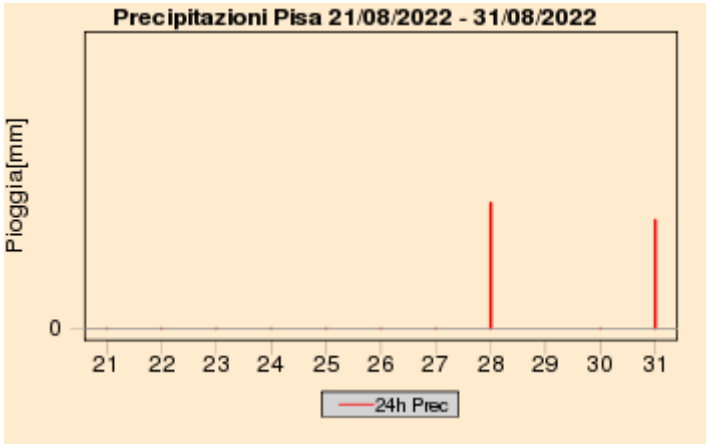


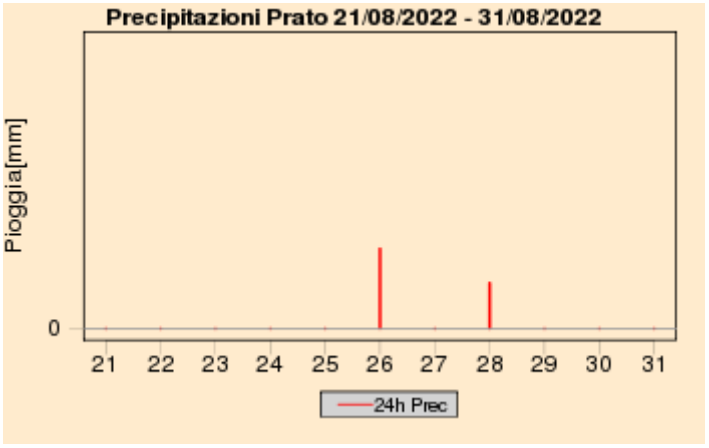


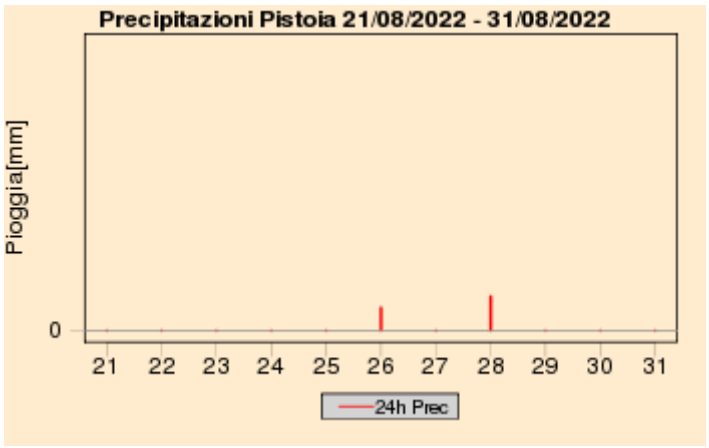


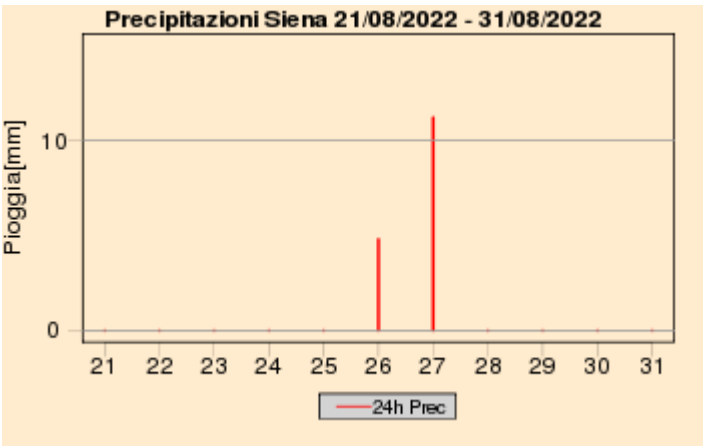




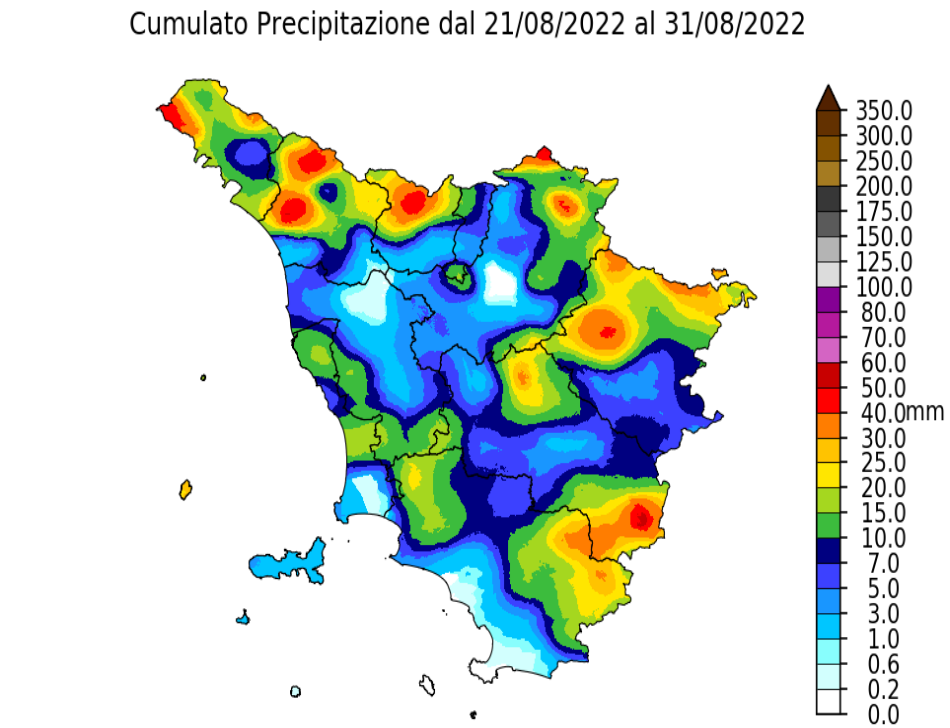






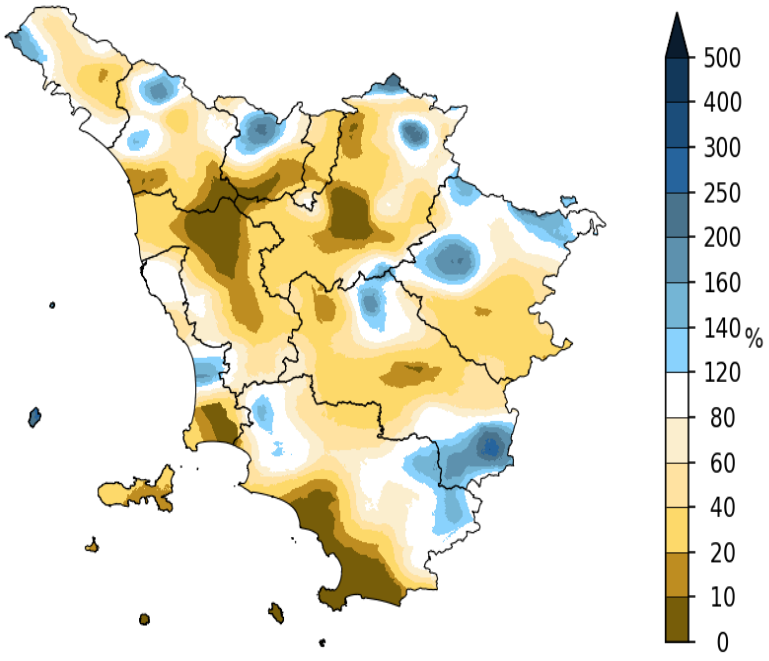


Quadro regionale – Cumulati decadali di precipitazione, anomalia di precipitazione e numero di giorni di pioggia



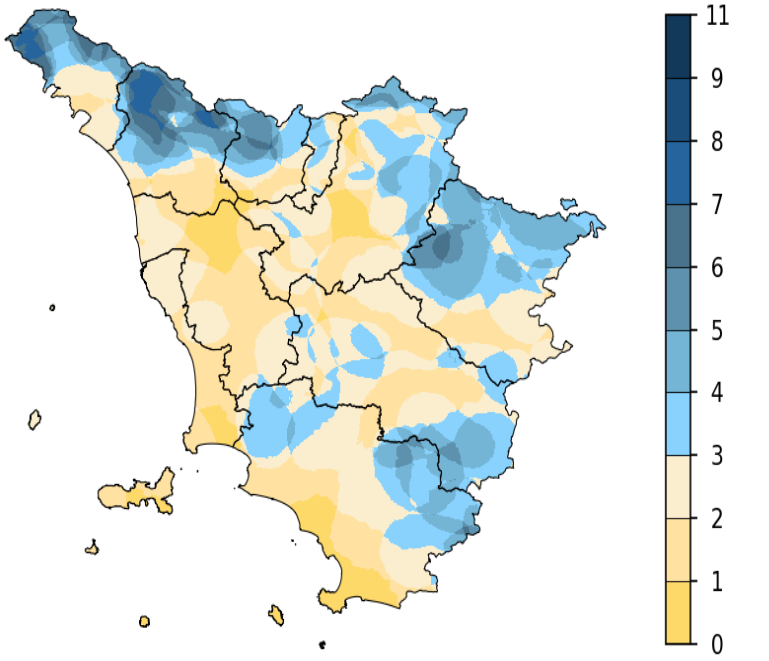
Dati: SIR Regione Toscana, AM, LaMMA

Percentuale di Precipitazione rispetto alla media climatica
dal 21/08/2022 al 31/08/2022



Dati: SIR Regione Toscana, AM, LaMMA

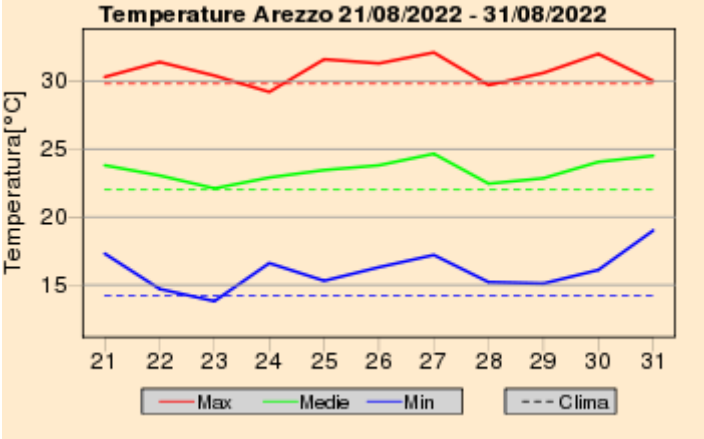
Giorni con Pioggia ≥ di 1 mm dal 21/08/2022 al 31/08/2022

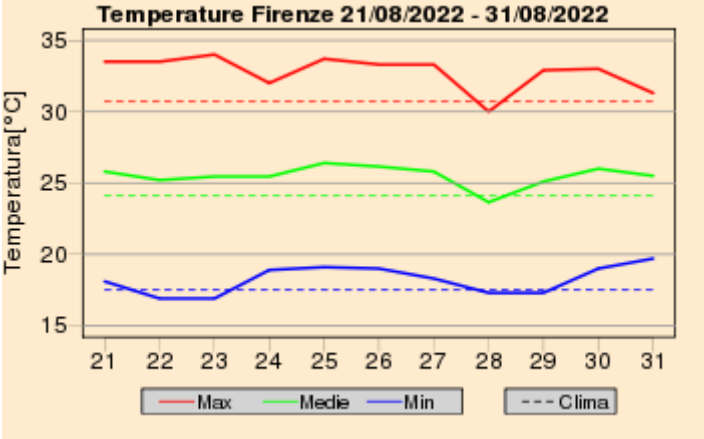


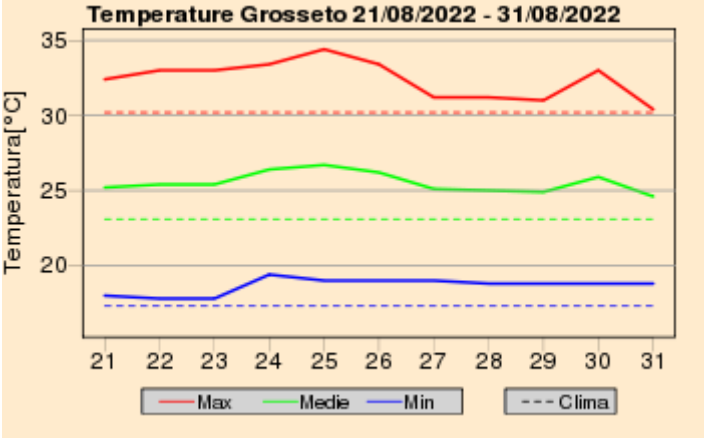
Dati: SIR Regione Toscana, AM, LaMMA

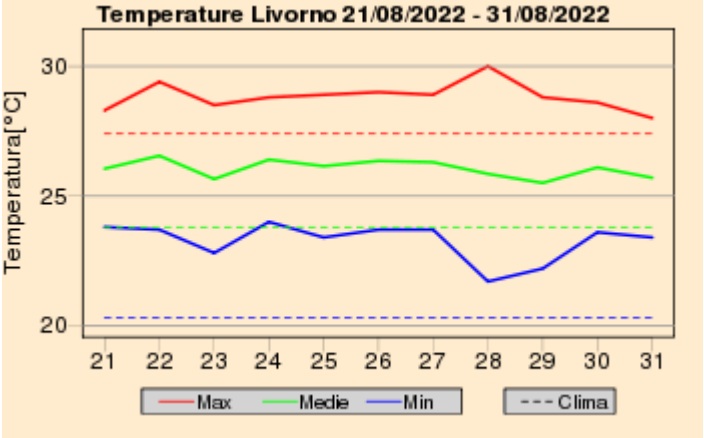
III decade - Quadro regionale – Temperature

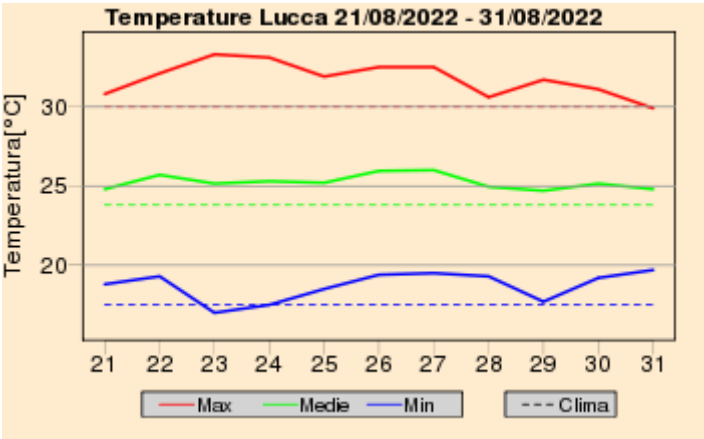
Dal punto di vista termico la terza decade di Agosto non ha mostrato particolari anomalie dal punto di vista termico e le temperature, sia per quanto riguarda i valori minimi che per quelli massimi giornalieri, si sono mantenute ovunque sostanzialmente allineati con il valori tipici del periodo.

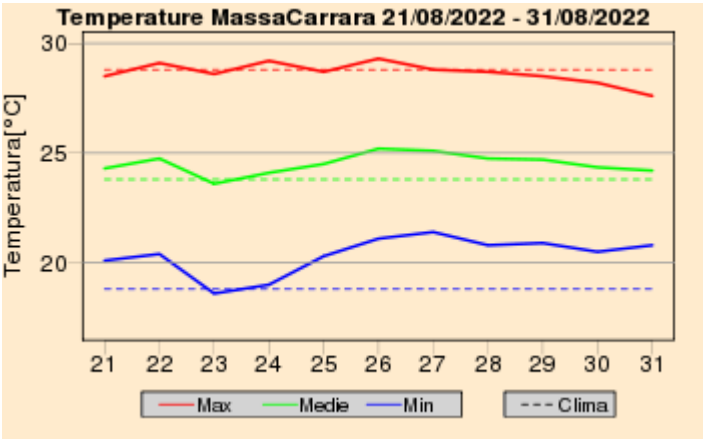


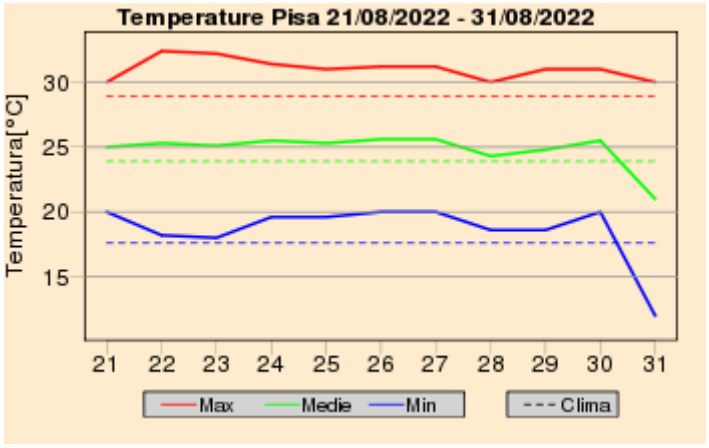


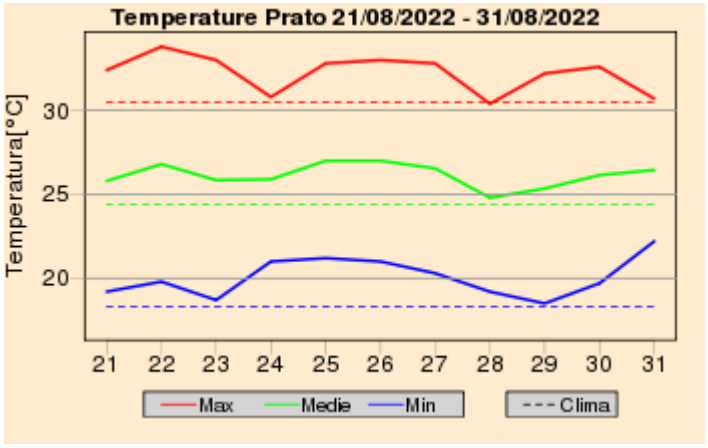


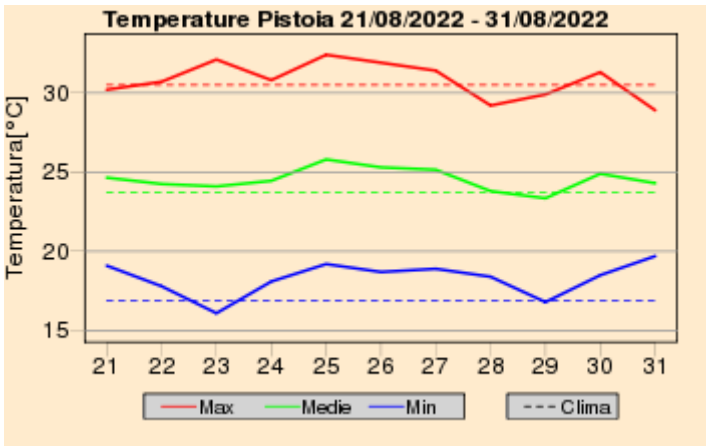


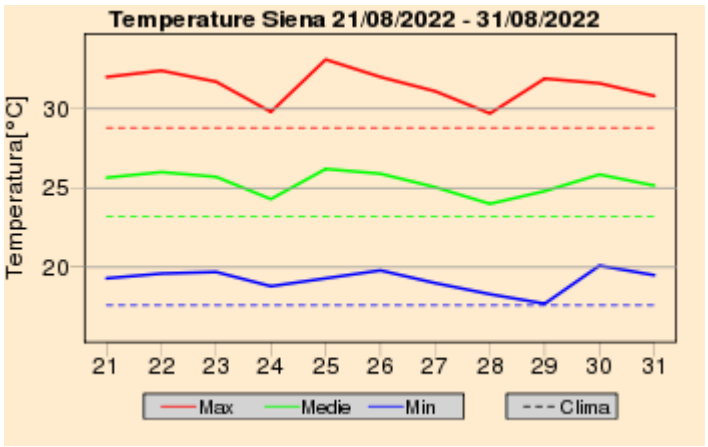




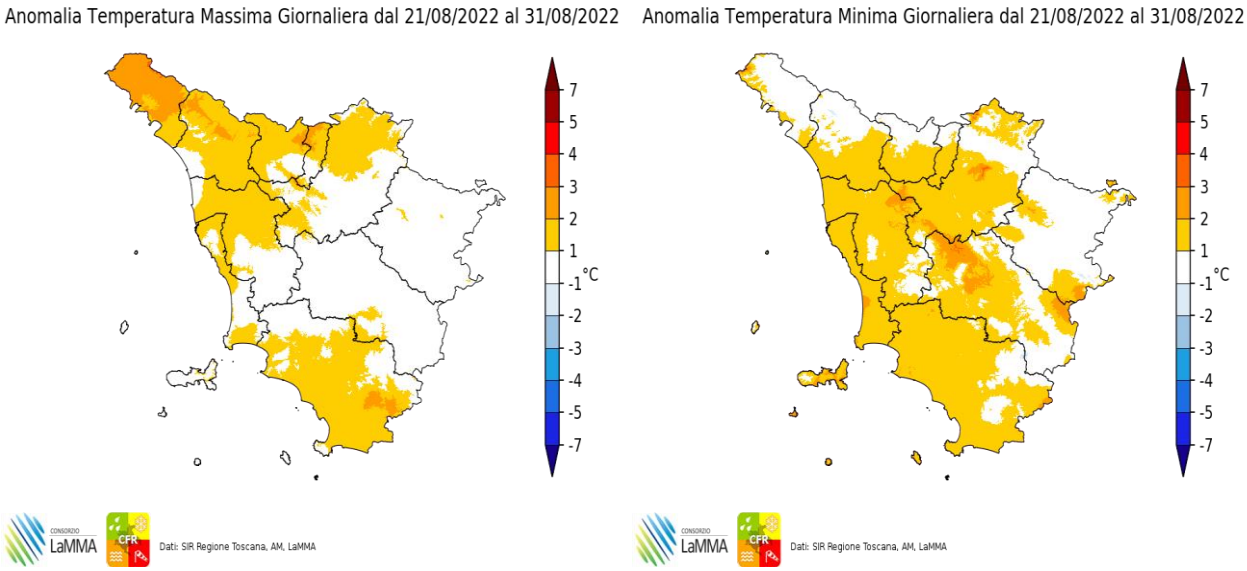








Quadro regionale – Anomalie termiche



Anomalia termica decadale per le temperature massime e minime giornaliere

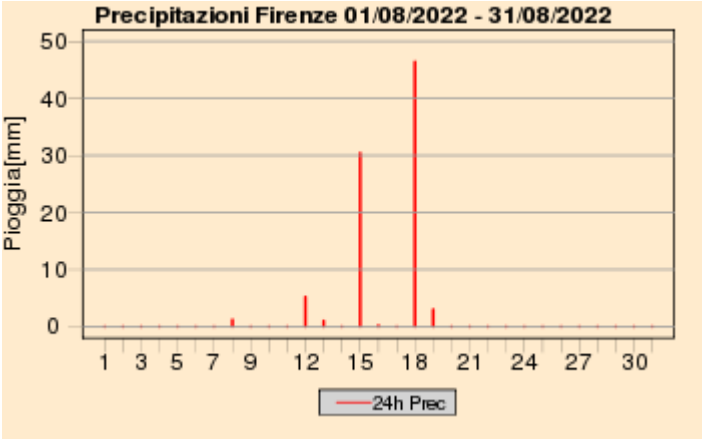
Riepilogo Mensile

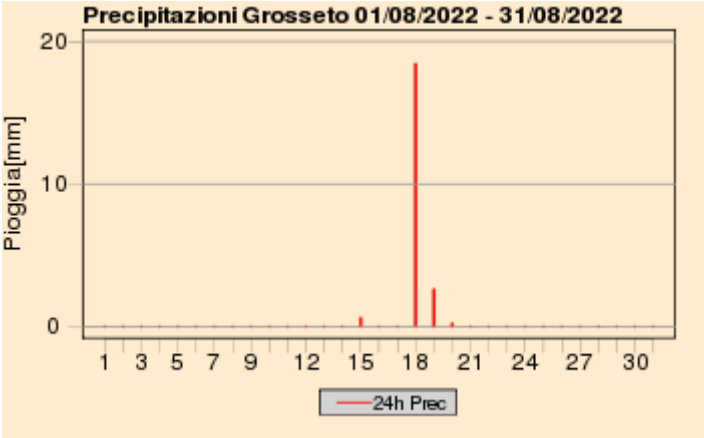
Grafici mensili: Precipitazioni

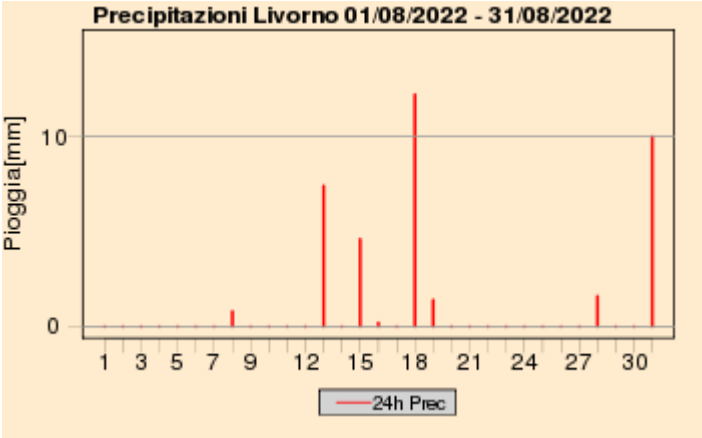
Dopo un lungo periodo di siccità che si protrae dalla primavera, il mese di agosto ha visto finalmente l'arrivo di alcune perturbazioni sulla Toscana che hanno determinato l'occorrenza di rovesci e temporali diffusi sulla nostra regione. Su gran parte del territorio i cumulati mensili sono risultati superiori a 50 mm con punte oltre 100 mm in Appenino e sul Chianti. Nel complesso tali cumulati risultano molto superiori a quelli tipici (e solitamente molto contenuti) del periodo su quasi tutto il territorio ad eccezione di parte del grossetano e parte del Valdarno inferiore (Pisa e Lucca)

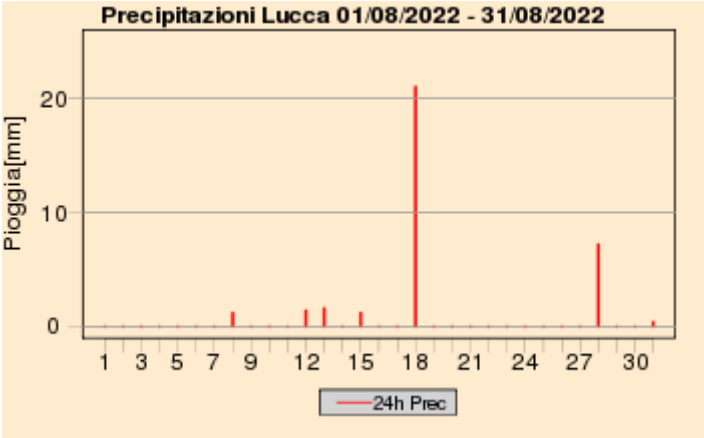
Quadro regionale – Precipitazioni osservate nei capoluoghi

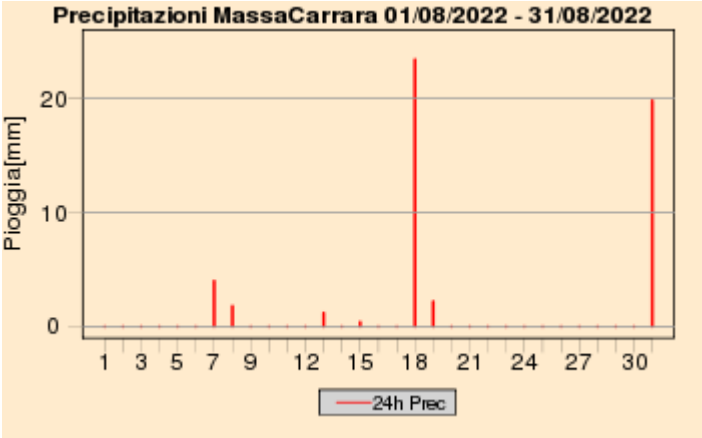


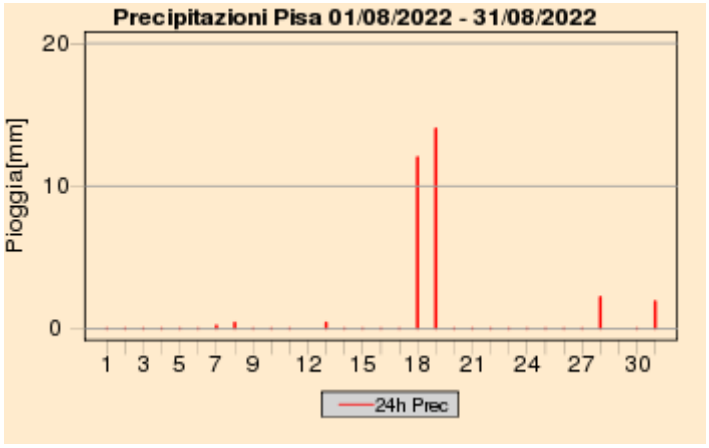


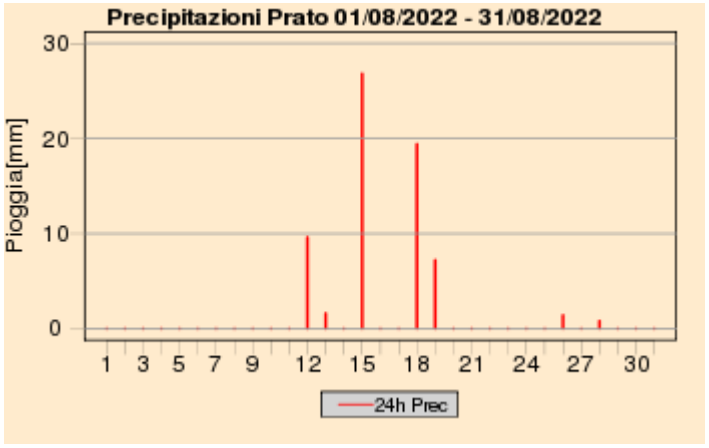


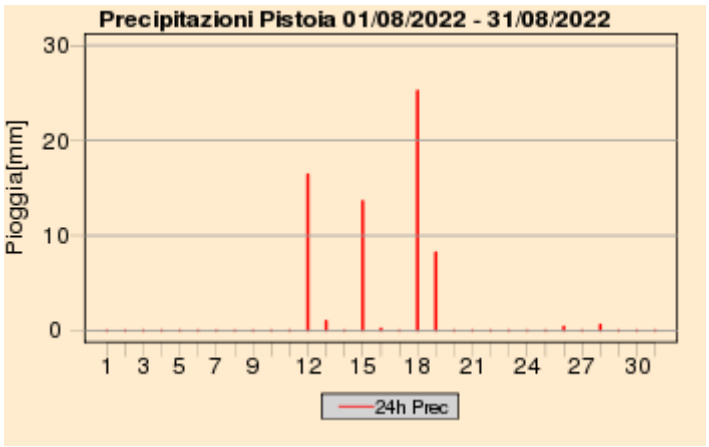


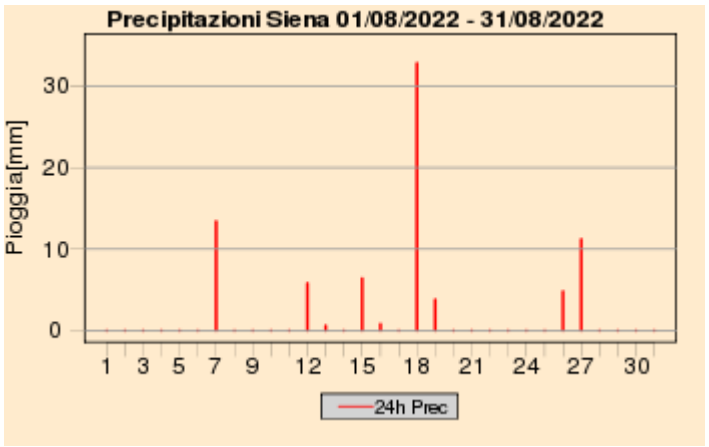




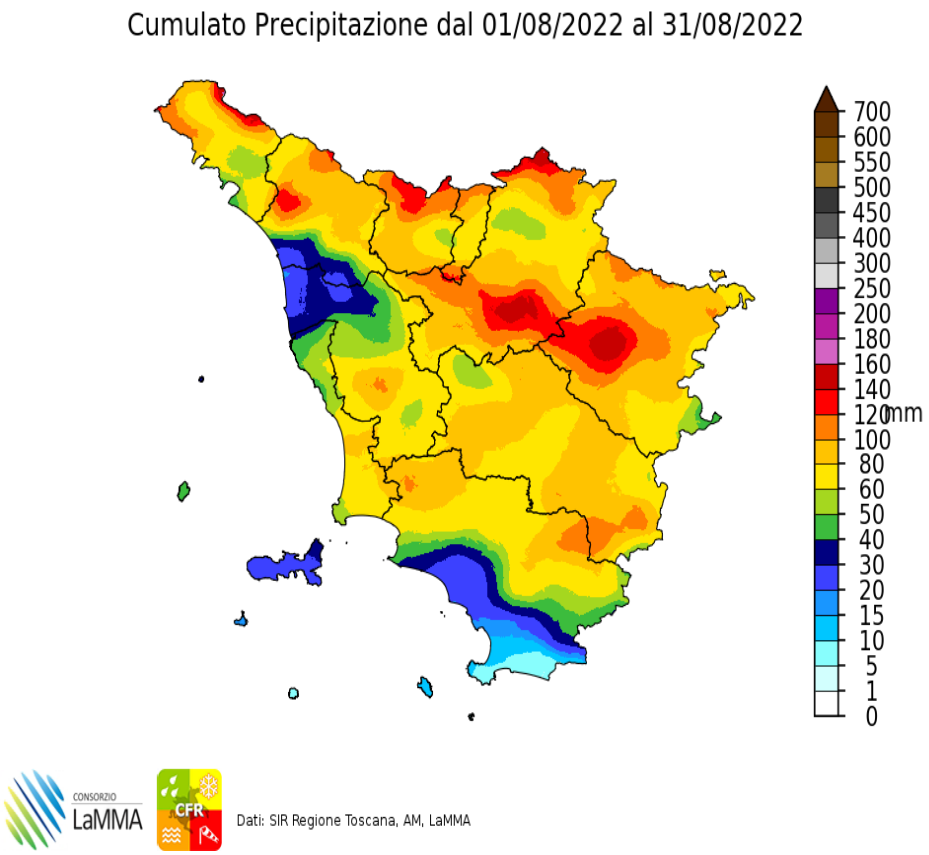






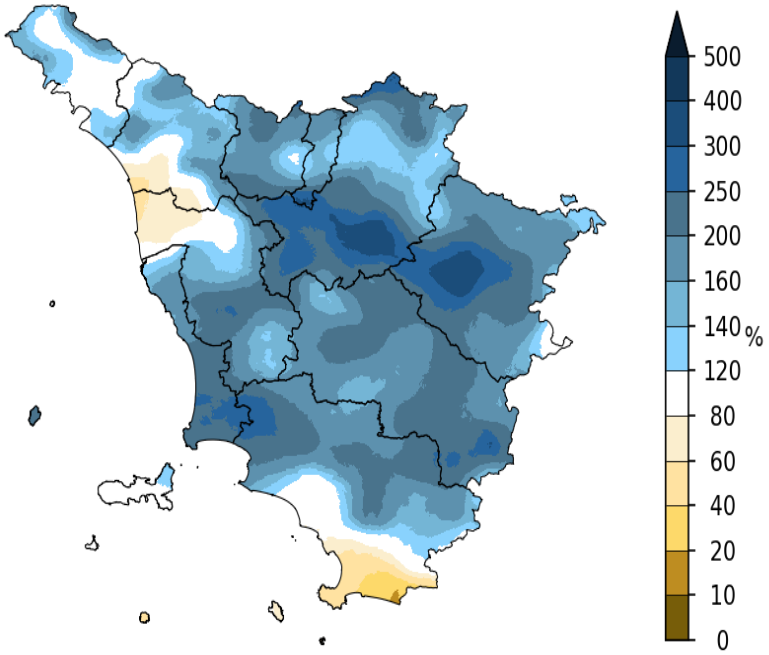


Quadro regionale – Cumulati mensili di precipitazione



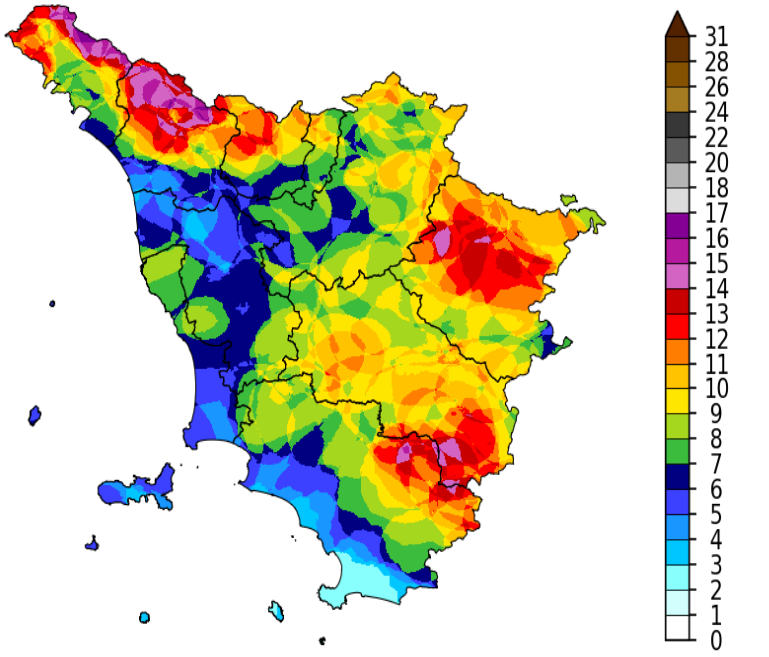
Cumulati mensili di precipitazione sul territorio regionale (Agosto 2022)

Percentuale di Precipitazione rispetto alla media climatica
dal 01/08/2022 al 31/08/2022



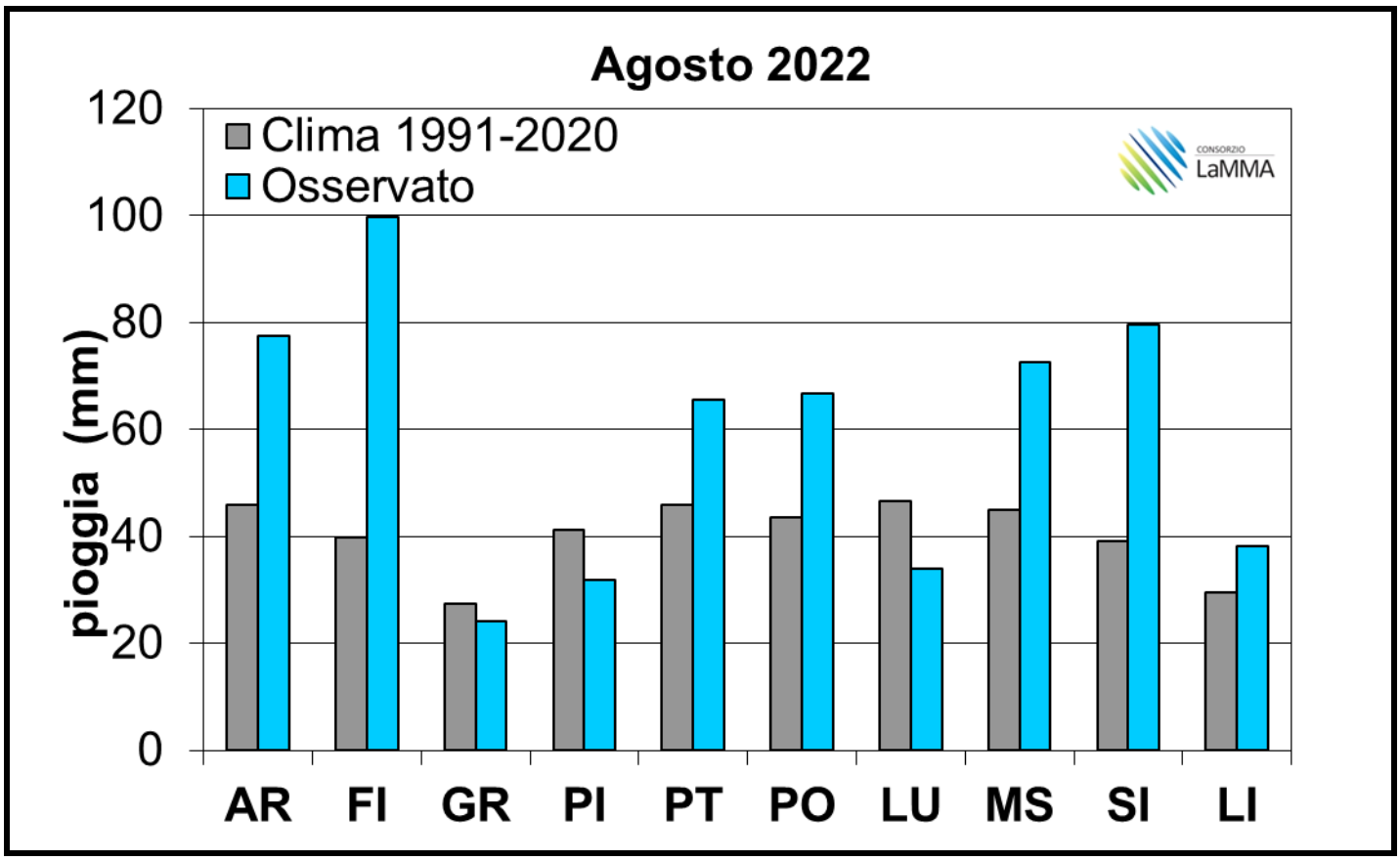
Dati: SIR Regione Toscana, AM, LaMMA

Giorni con Pioggia ≥ di 1 mm dal 01/08/2022 al 31/08/2022

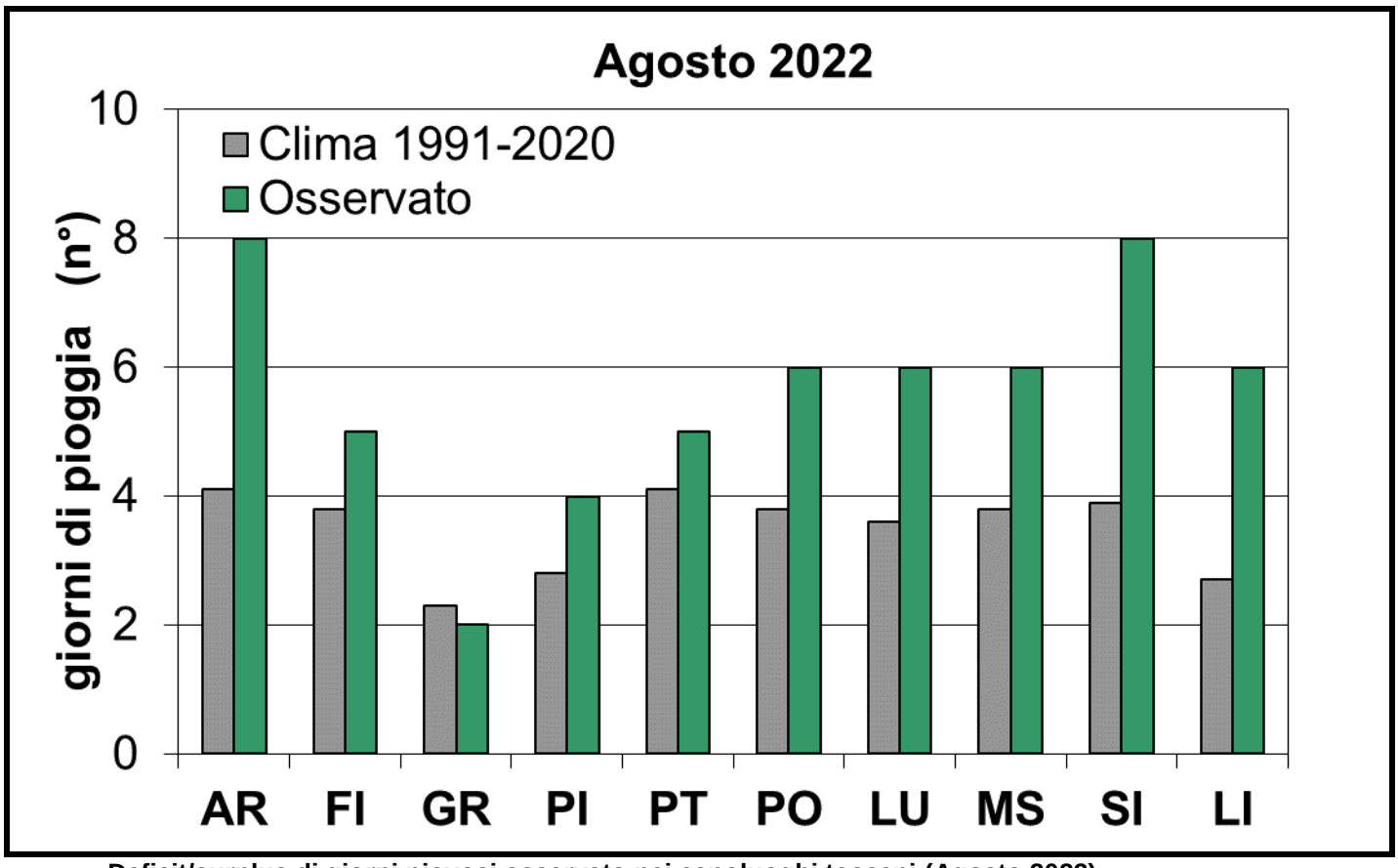


Dati: SIR Regione Toscana, AM, LaMMA

Quadro regionale – Anomalie di precipitazione e del numero di giorni piovosi nei capoluoghi



Deficit/surplus di precipitazione osservato nei capoluoghi toscani (Agosto 2022)



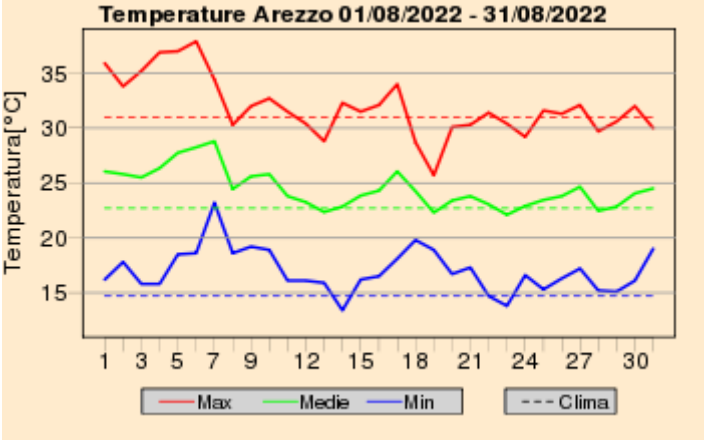
Deficit/surplus di giorni piovosi osservato nei capoluoghi toscani (Agosto 2022)

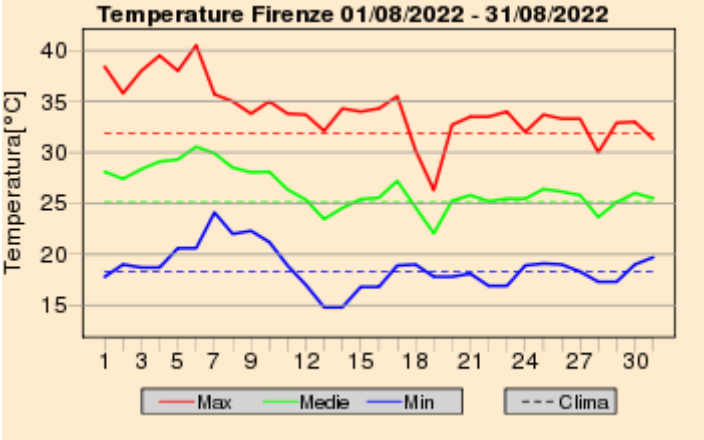
Grafici mensili: Temperature

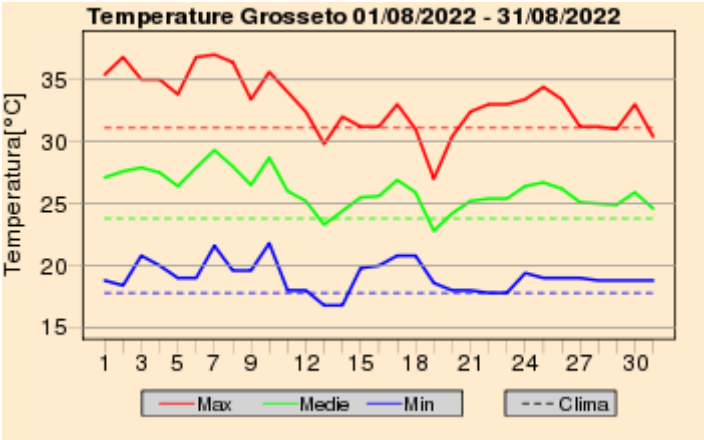
Nel mese di Agosto le temperature sono risultate inizialmente molto superiori alle medie, con punte massime che in molte zone hanno raggiunto e superato i 40 gradi; nel corso della seconda decade poi si è assistito ad un generale calo termico, con i valori sia minime che massimi giornalieri che si sono mantenuti sostanzialmente allineate con i valori di riferimento 1991-2020.

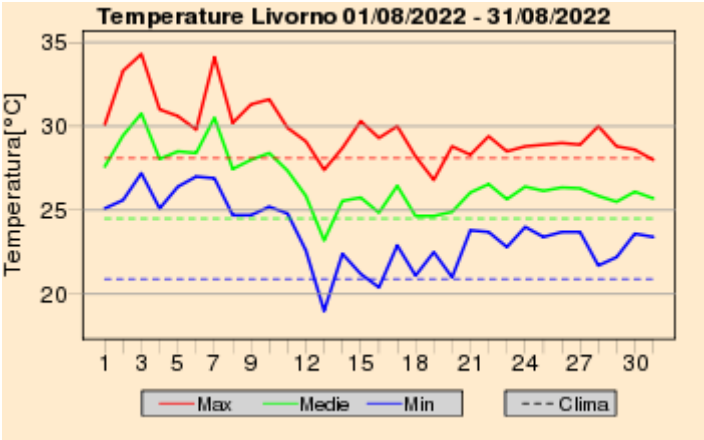
Nel complesso il mese ha fatto registrate scarti positivi dalle medie superiori a 1 grado, con le anomalie positive più marcate in particolare per i valori minimi in pianura. Da segnalare anche le minime più alta mai registrata per il mese di Agosto ad Arezzo: 23.3 gradi registrati la mattina del 7 agosto (precedente record di 21,6 °C del 06/08/1998).

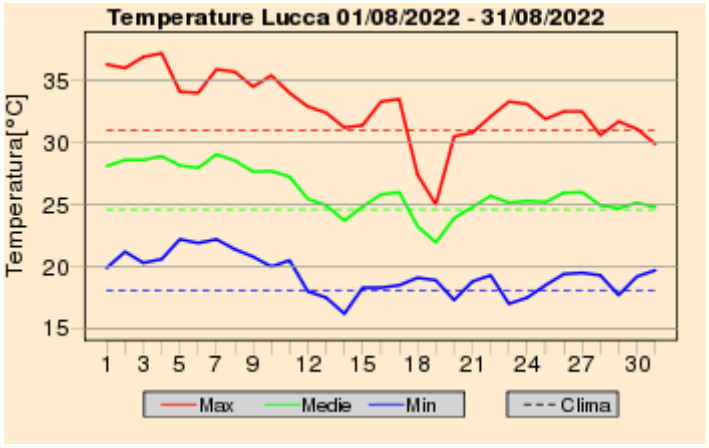
Trattasi del quinto agosto più caldo dal 1955 dopo quelli del 2003, 2012, 2009 e 2017.

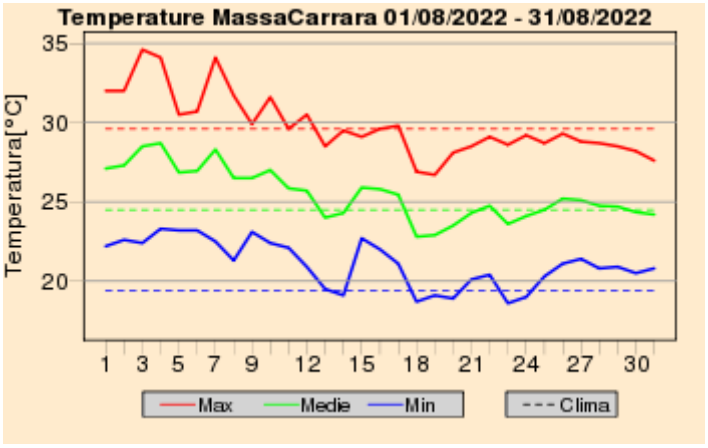


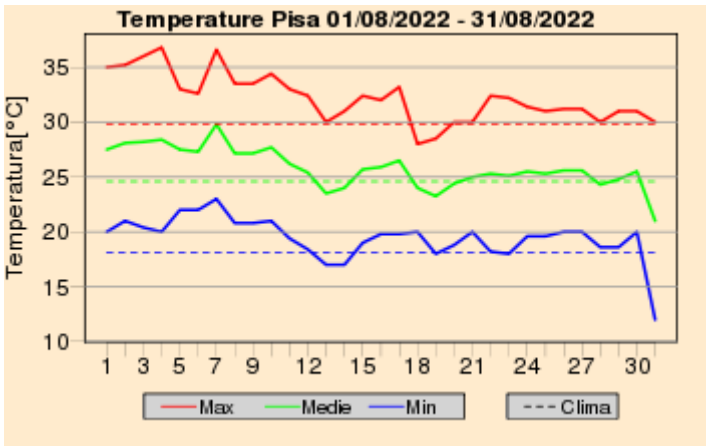


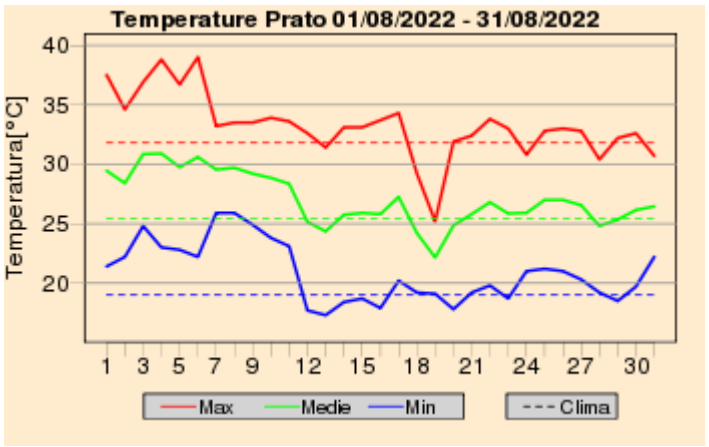





Temperature Lucca 01/08/2022 - 31/08/2022
Temperatura[°C]
Max
Medie
Min
Clima


Temperature MassaCarrara 01/08/2022 - 31/08/2022
Temperatura[°C]
Max
Medie
Min
Clima


Temperature Pisa 01/08/2022 - 31/08/2022
Temperatura[°C]
Max
Medie
Min
Clima


Temperature Prato 01/08/2022 - 31/08/2022
Temperatura[°C]
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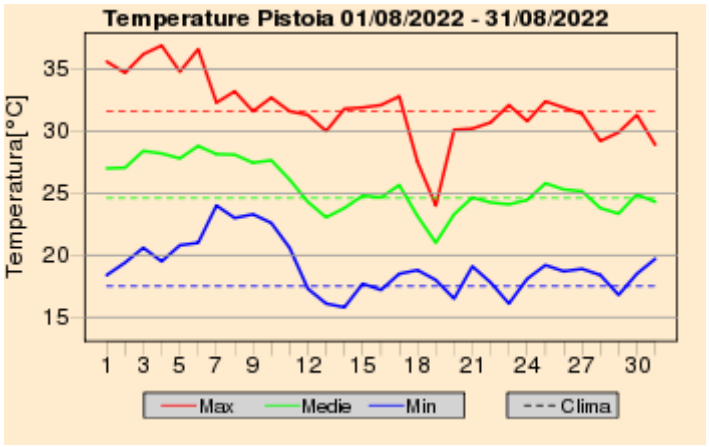
Temperature Pistoia 01/08/2022 - 31/08/2022
Temperatura[°C]
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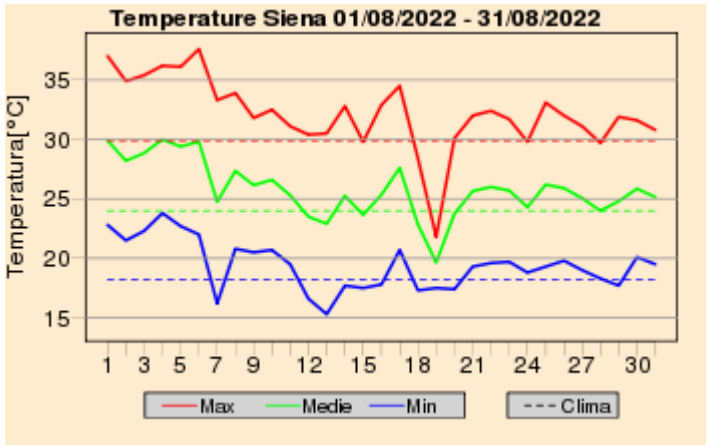
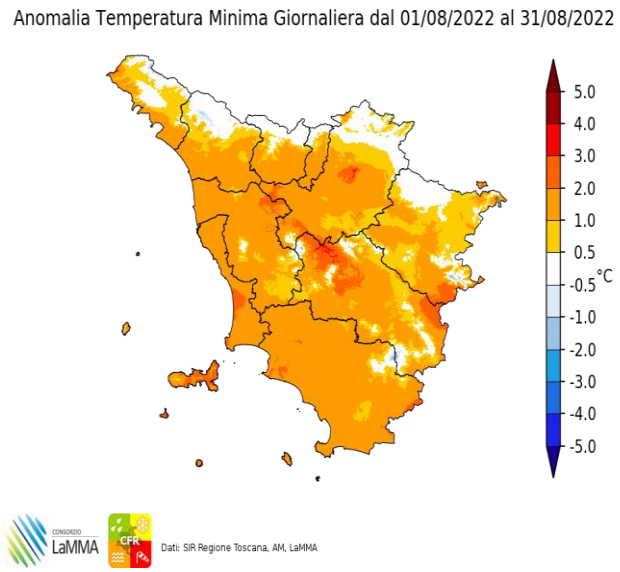
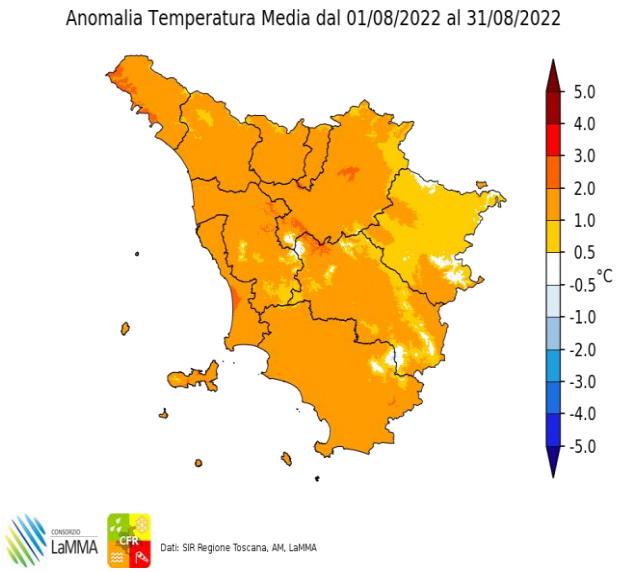
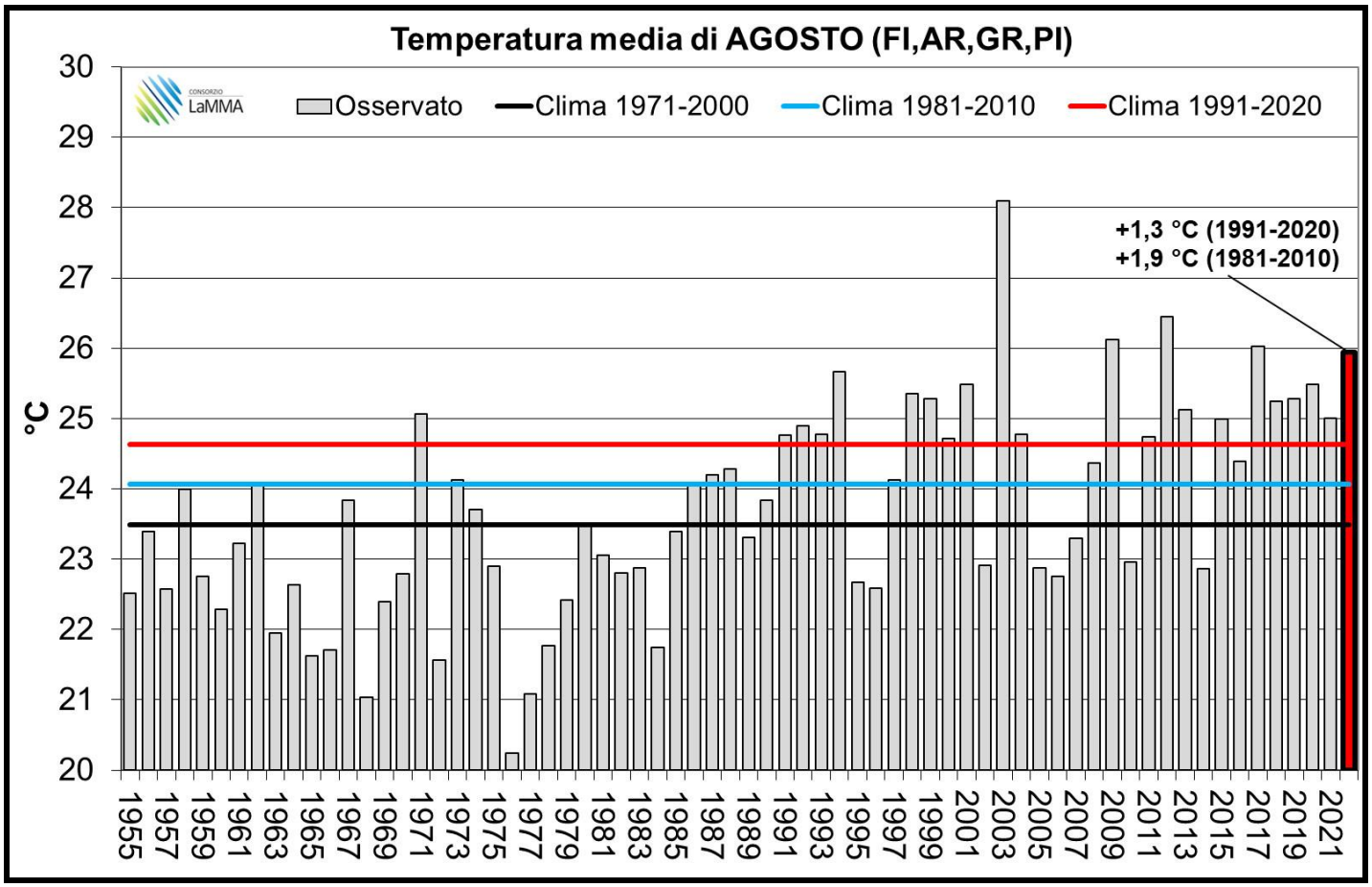

Temperature Siena 01/08/2022 - 31/08/2022
Temperatura[°C]
Max
Medie
Min
Clima

Quadro regionale – Anomalie termiche





Anomalia termica mensile per le temperature massime e minime giornaliere



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Fonte Dati:

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