CONSORZIO
LaMMA

meteo

REPORT METEOROLOGICO

Settembre 2021

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

Consorzio LaMMA - Laboratorio di Monitoraggio e Modellistica Ambientale

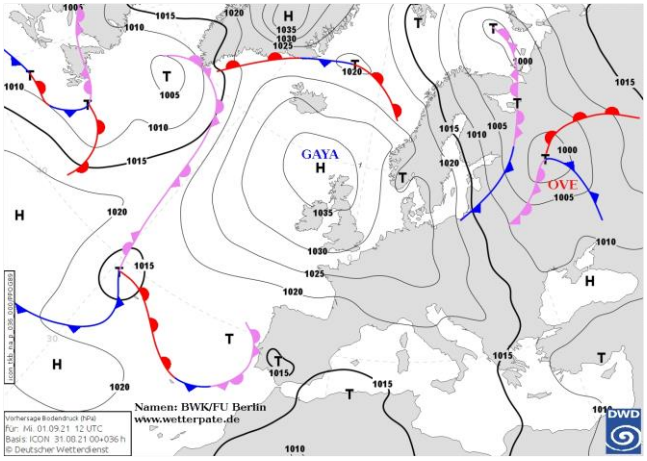
CONSORZIO LaMMA

Regione Toscana

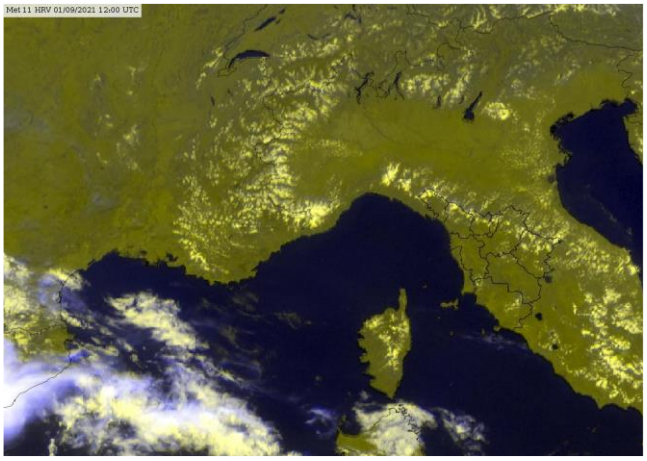
Consiglio Nazionale delle Ricerche

Mercoledi' 1 Settembre 2021

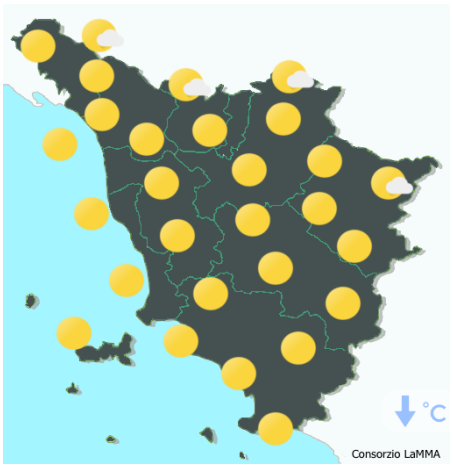
Situazione: tempo prevalentemente stabile associato a correnti orientali.



Pressione al suolo e fronti del 01 Settembre alle 12 UTC


Meteosat HRV del 01 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso.

Fenomeni: nessuno.

Venti: deboli da NE nell'interno, da NO lungo la costa con rinforzi.

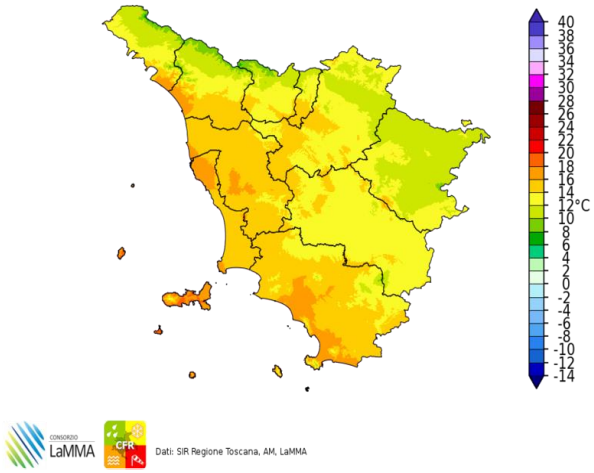
Mari: tra poco mossi e mossi.

Temperature: in lieve aumento le massime.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	11	14	16	19	15	17	14	14	16	16
	anomalia*	-1	-2	0	0	-1	0	-1	-1	-1	0
T. max	osservata	30	32	30	27	30	28	29	30	30	30
	anomalia*	3	4	2	1	2	1	2	2	2	4
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

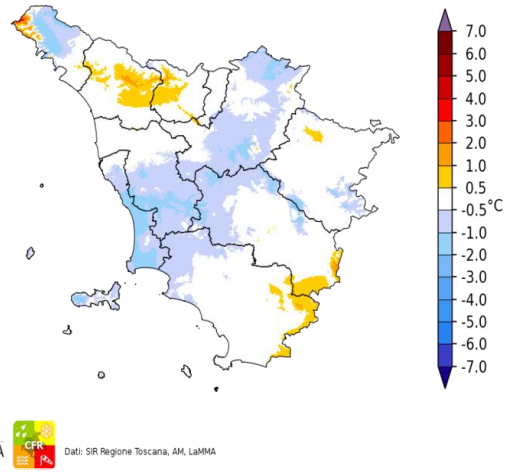
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 01/09/2021



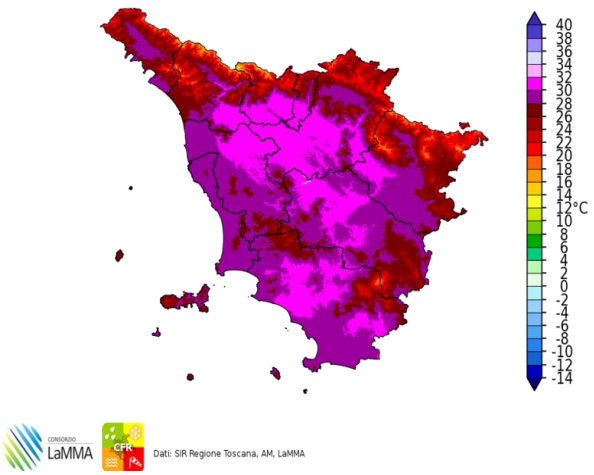
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 01/09/2021 e 31/08/2021



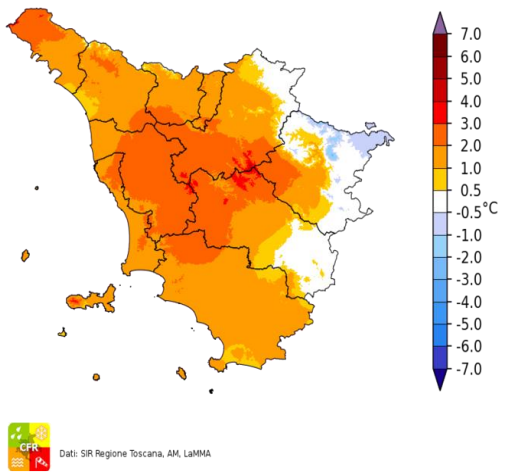
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 01/09/2021



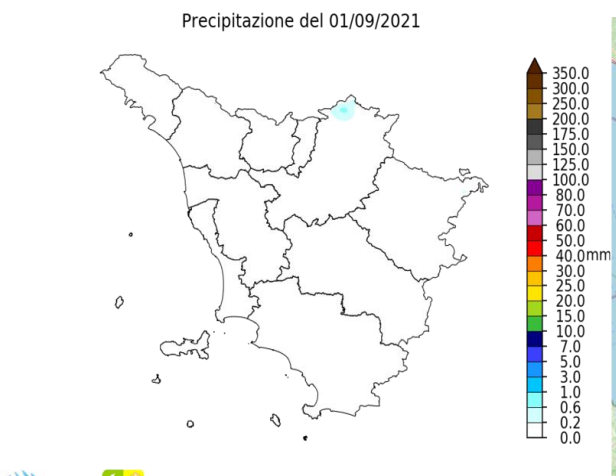
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 01/09/2021 e 31/08/2021



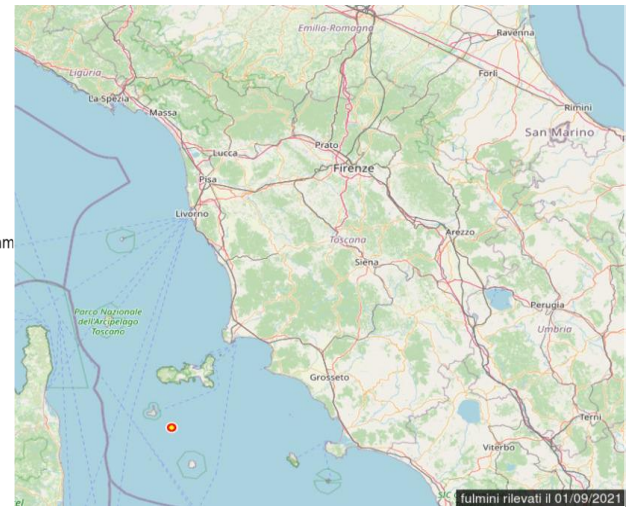
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 01/09/2021



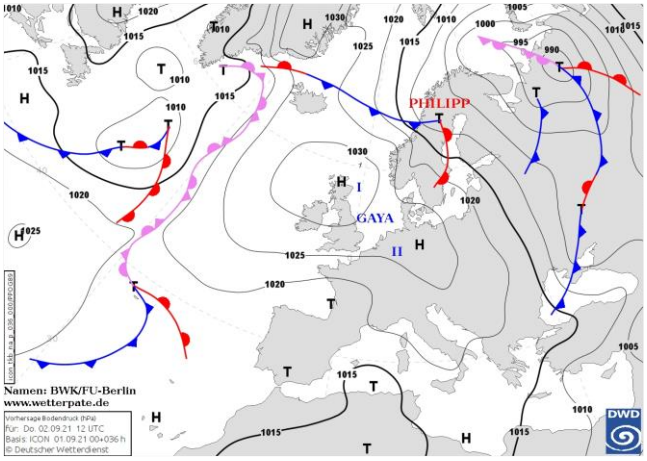
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 01 Settembre

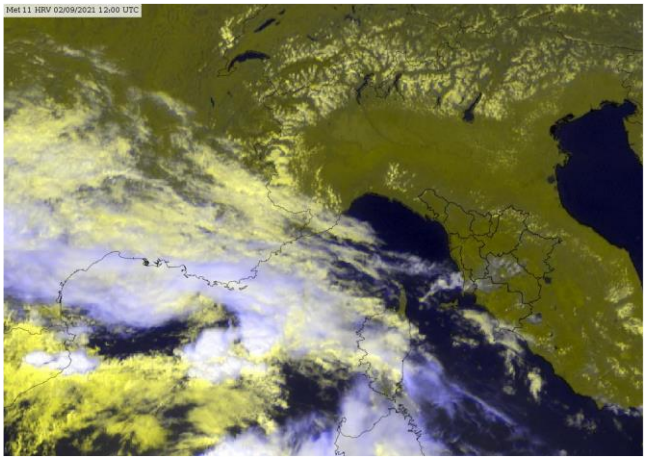


Giovedi' 2 Settembre 2021

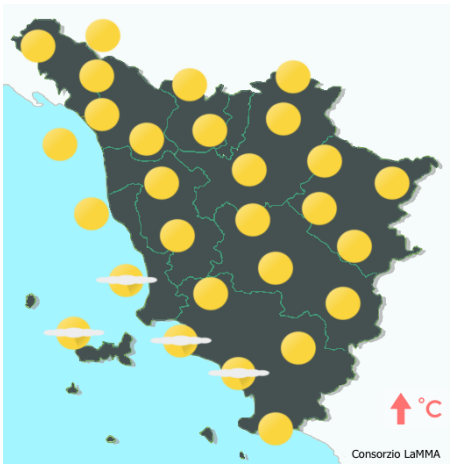
Situazione: tempo prevalentemente stabile associato a correnti orientali.



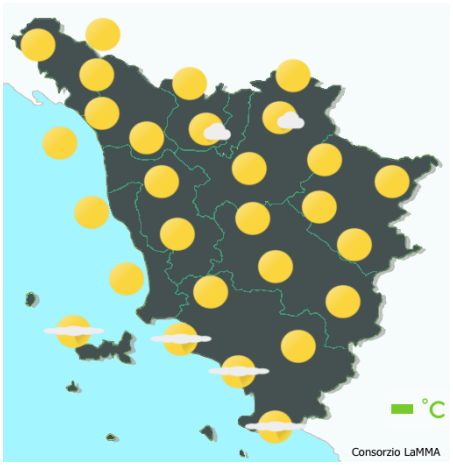
Pressione al suolo e fronti del 02 Settembre alle 12 UTC


Meteosat HRV del 02 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso.

Fenomeni: nessuno.

Venti: deboli orientali.

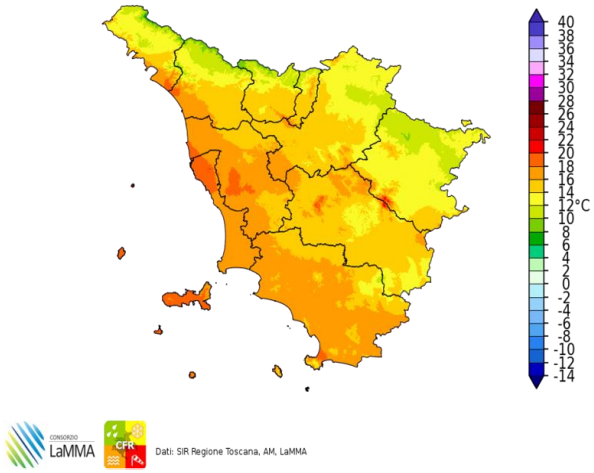
Mari: poco mossi.

Temperature: in generale aumento, più sensibile per le minime e per le massime lungo la costa.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	13	14	16	22	15	18	17	15	19	18
	anomalia*	0	-2	1	4	0	1	2	0	2	3
T. max	osservata	30	32	32	31	32	30	32	30	31	29
	anomalia*	2	4	3	5	4	2	5	2	2	2
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

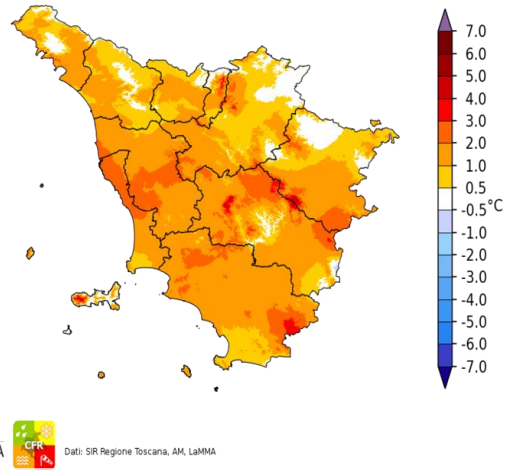
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 02/09/2021



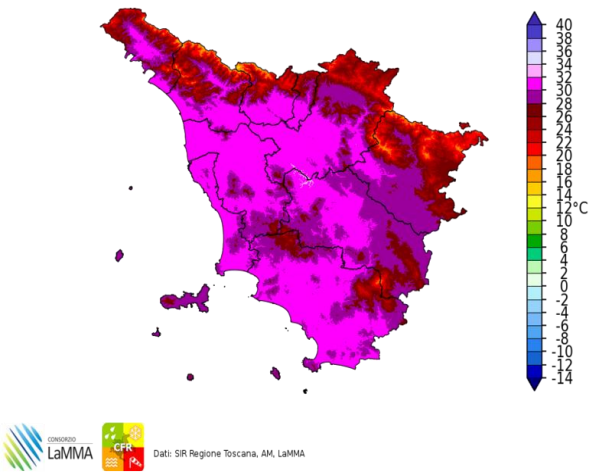
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 02/09/2021 e 01/09/2021



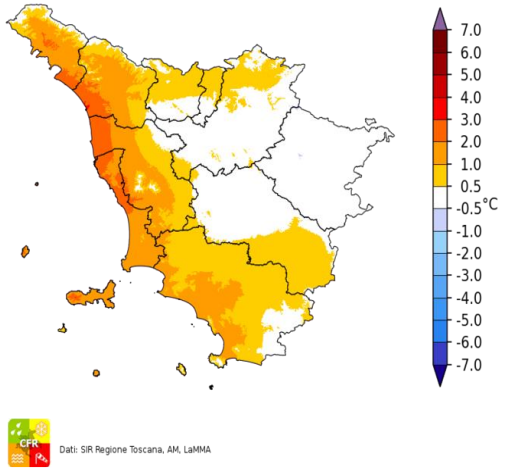
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 02/09/2021



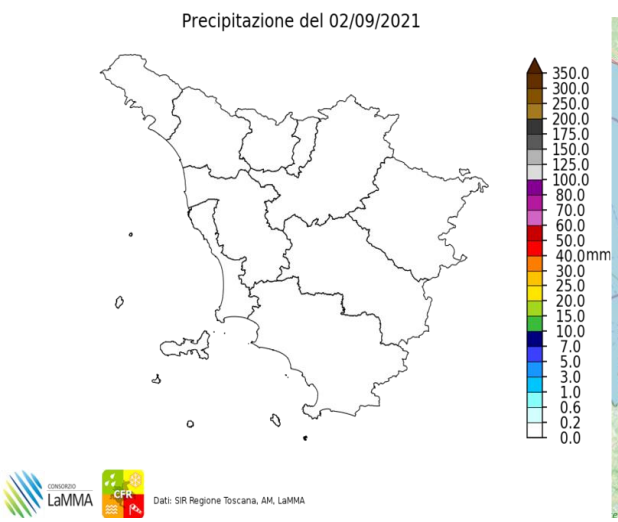
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 02/09/2021 e 01/09/2021



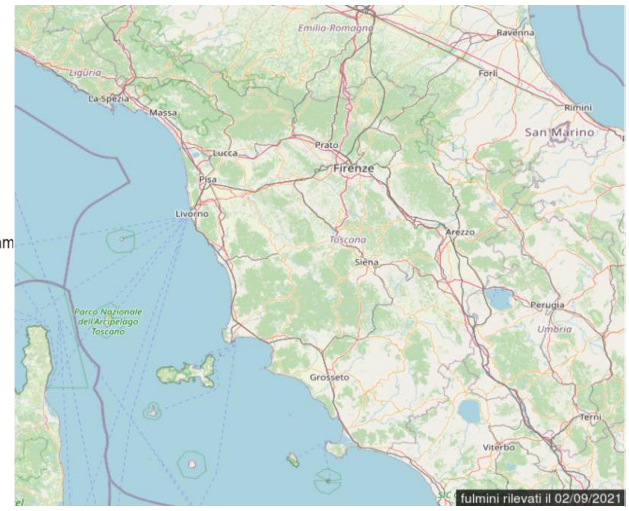
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 02/09/2021



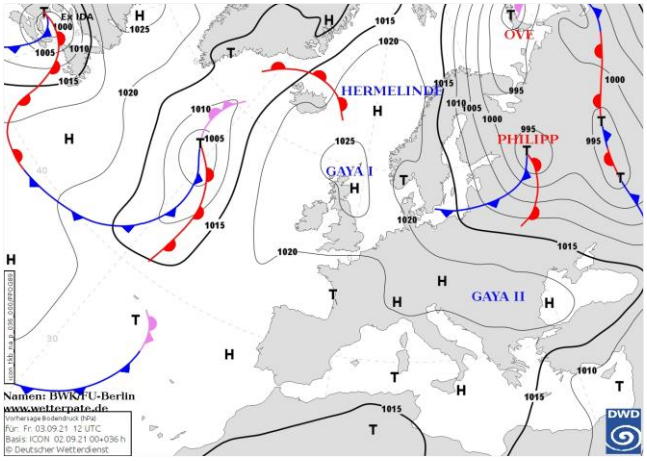
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 02 Settembre

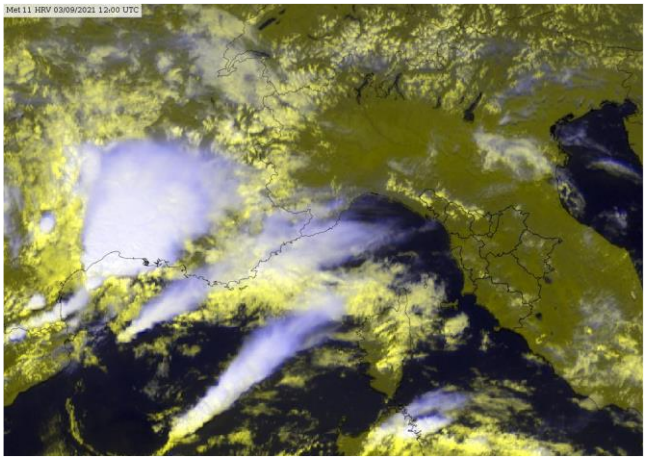


Venerdi' 3 Settembre 2021

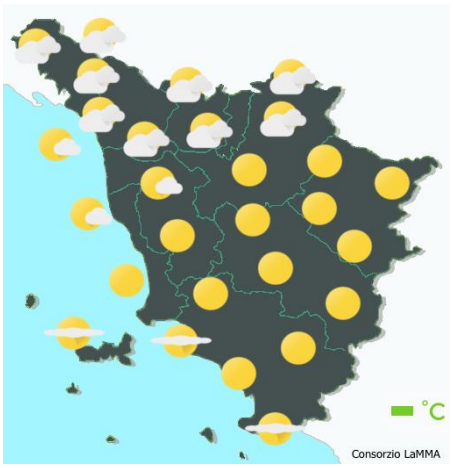
Situazione: una perturbazione in transito sul Mediterraneo centro meridionale lambisce la nostra regione favorendo un modesto aumento della instabilità.



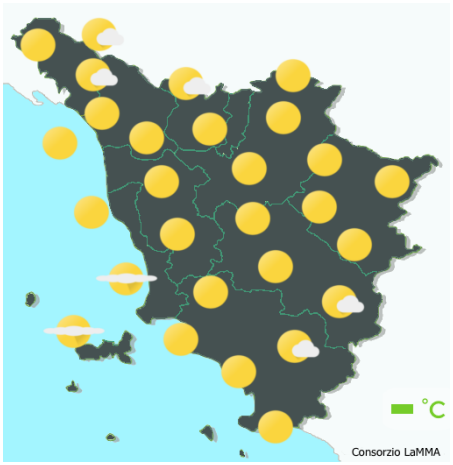
Pressione al suolo e fronti del 03 Settembre alle 12 UTC


Meteosat HRV del 03 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: poco o parzialmente nuvoloso.

Fenomeni: nessuno.

Venti: deboli orientali nell'interno, fino a moderati di Scirocco sulla costa.

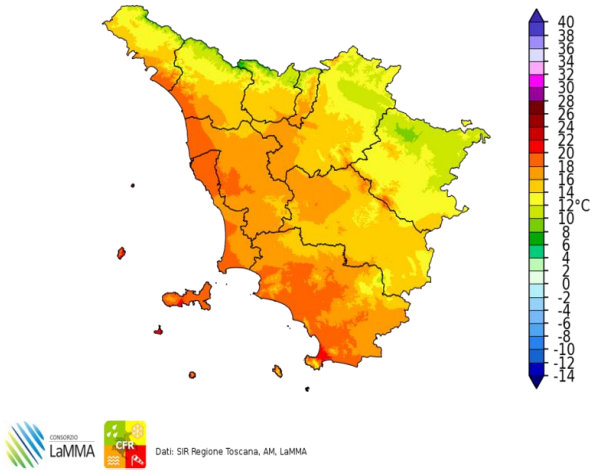
Mari: fino a mossi a sud dell'Elba, in particolare al largo.

Temperature: gradevoli.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	13	15	18	22	16	19	18	15	19	18
	anomalia*	0	0	2	4	0	2	2	0	3	2
T. max	osservata	30	32	30	28	31	28	30	30	31	30
	anomalia*	3	3	2	2	3	1	3	2	3	4
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

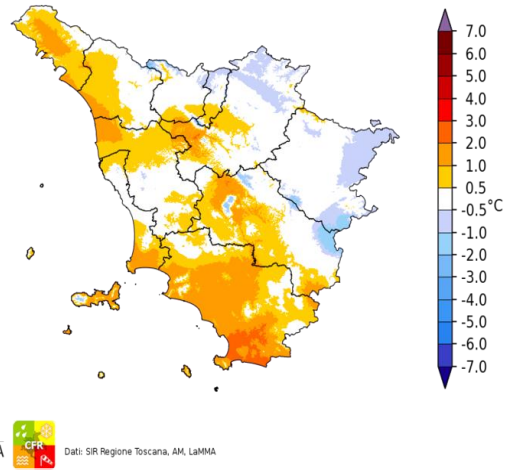
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 03/09/2021



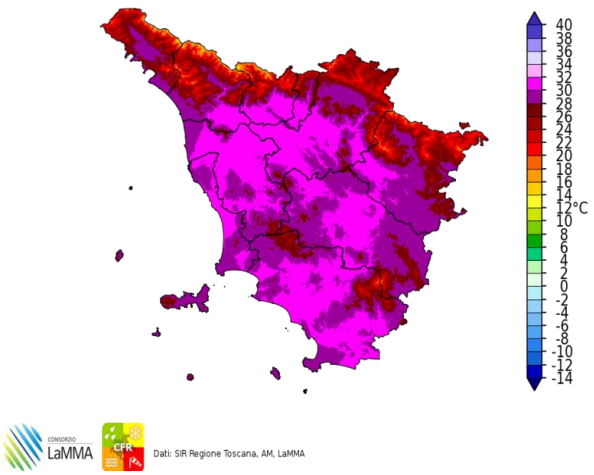
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 03/09/2021 e 02/09/2021



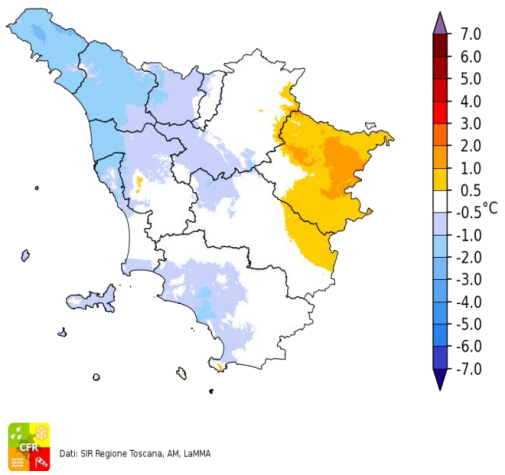
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 03/09/2021



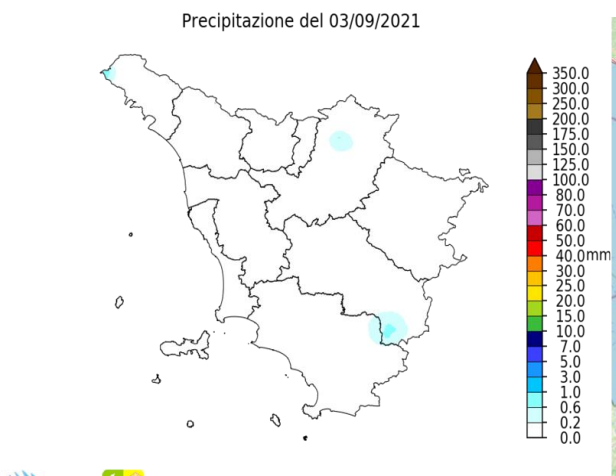
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 03/09/2021 e 02/09/2021



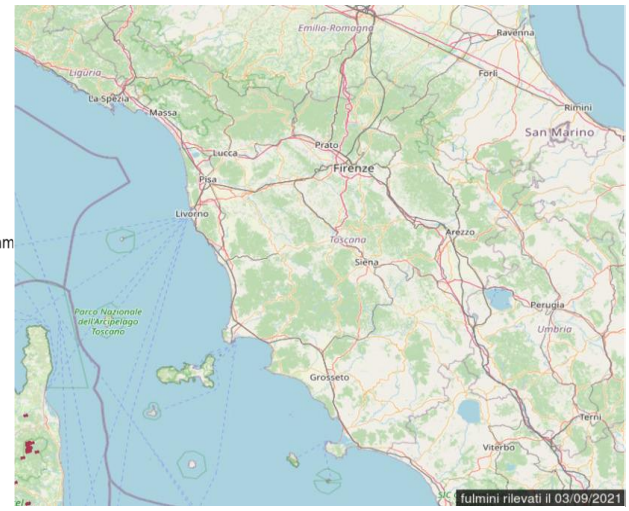
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 03/09/2021



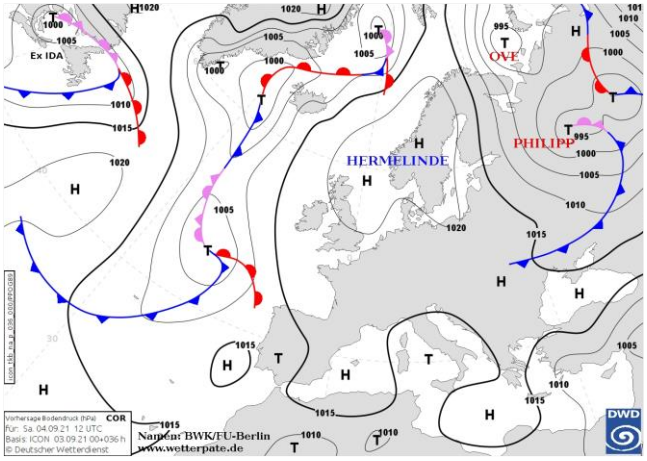
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 03 Settembre

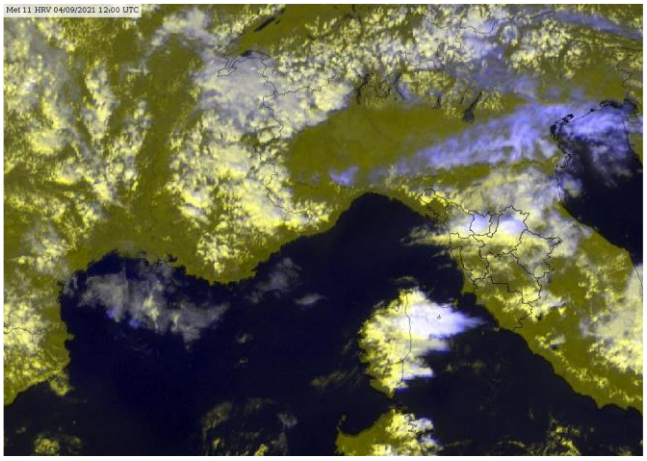


Sabato 4 Settembre 2021

Situazione: il Mediterraneo centrale è interessato da un campo di pressione livellata intorno a 1015-1016 hPa, tuttavia una linea di instabilità determina tempo perturbato sulle regioni meridionali e marginalmente su quelle centrali.



Pressione al suolo e fronti del 04 Settembre alle 12 UTC


Meteosat HRV del 04 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: in mattinata poco nuvoloso al sud, mentre al centro nord nuvoloso o molto nuvoloso. Schiarite dalla costa dal

Fenomeni: deboli piogge in nottata al sud, poi in mattinata anche sulle zone centro settentrionali. Rovescio temporalesco pomeridiano sull'Amiata.

Venti: deboli orientali in rotazione a nord nord-ovest fino a moderati sulla costa.

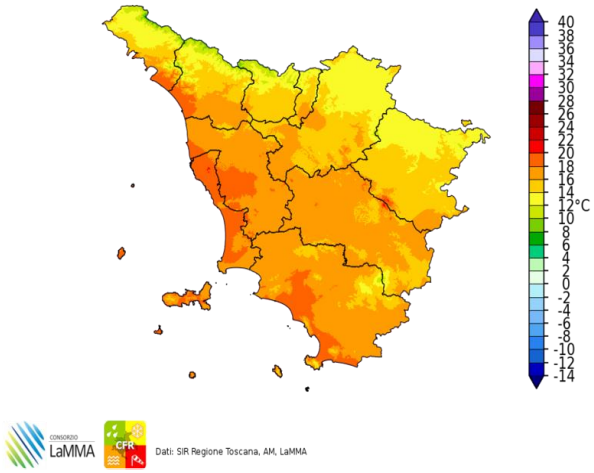
Mari: poco mossi o localmente mossi al largo e in Maremma.

Temperature: in calo le massime, sensibile sulle pianure settentrionali.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	N.D.	12	16	21	16	20	15	14	18	18
	anomalia*	N.D.	-4	0	3	0	3	-1	0	1	3
T. max	osservata	N.D.	24	30	27	24	27	27	22	24	26
	anomalia*	N.D.	-4	2	1	-4	-1	-1	-6	-4	-1
Precipitazione (mm/24ore)		N.D.	5	0	0	2	0	1	1	3	0

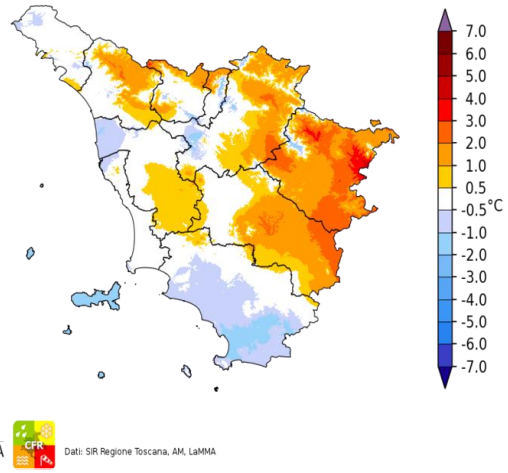
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 04/09/2021



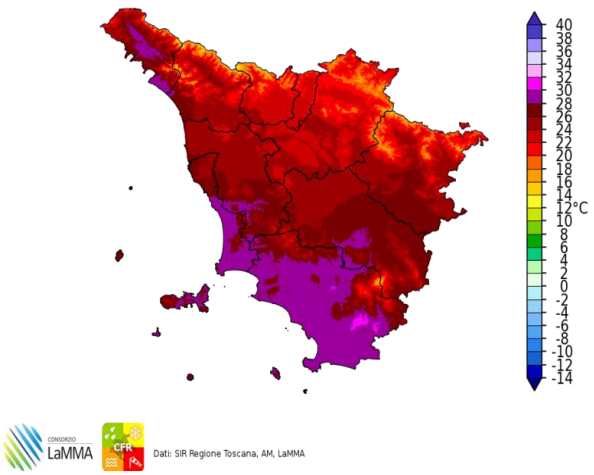
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 04/09/2021 e 03/09/2021



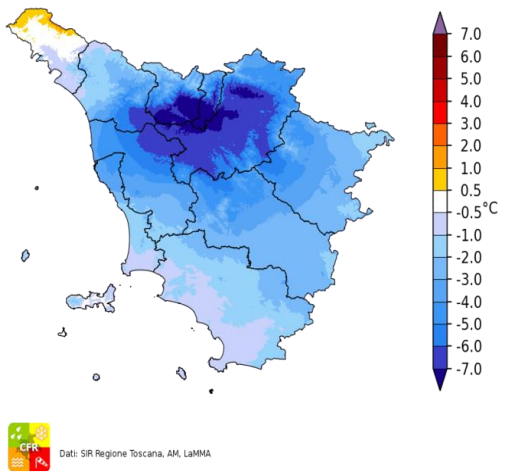
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 04/09/2021



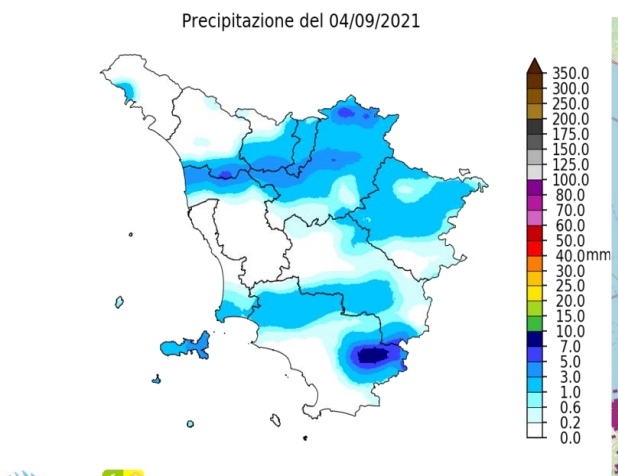
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 04/09/2021 e 03/09/2021



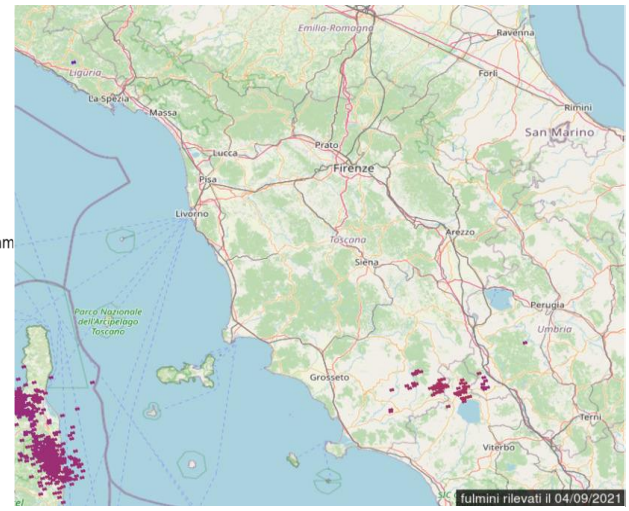
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 04/09/2021



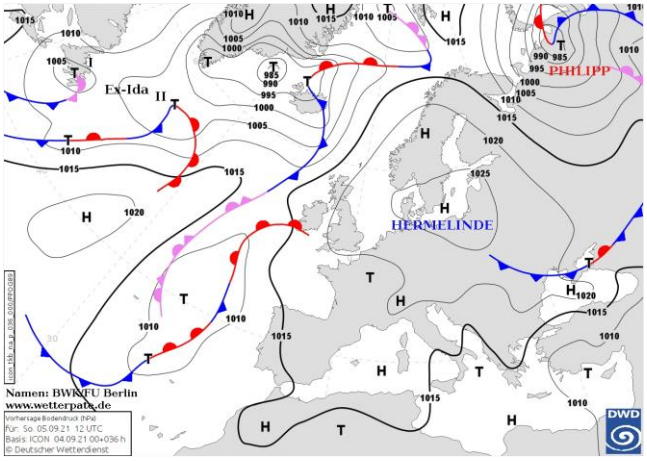
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 04 Settembre

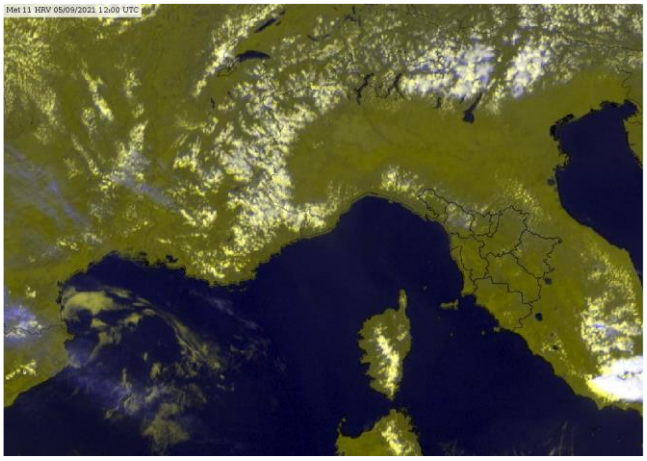


Domenica 5 Settembre 2021

Situazione: alta pressione e tempo stabile sulla nostra regione.

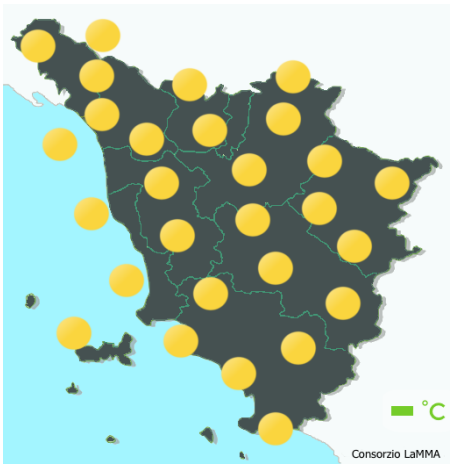


Pressione al suolo e fronti del 05 Settembre alle 12 UTC

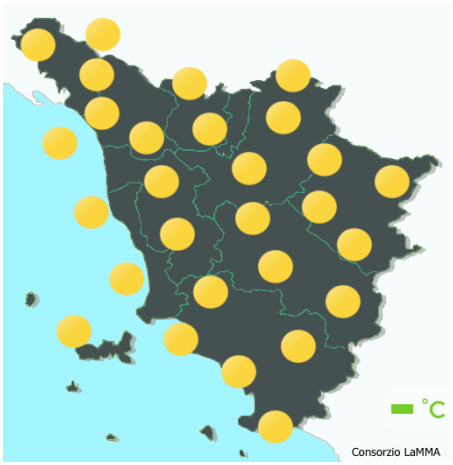


Meteosat HRV del 05 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso.

Fenomeni: nessuno.

Venti: deboli settentrionali, fino a moderati di Maestrale sulla costa nel pomeriggio-sera.

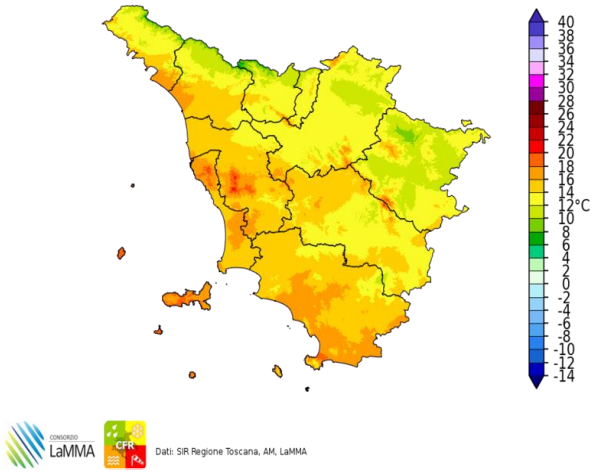
Mari: poco mossi.

Temperature: minime in lieve calo, massime in sensibile aumento.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	N.D.	12	15	20	14	17	15	12	16	16
	anomalia*	N.D.	-4	0	2	-2	0	-1	-3	-1	0
T. max	osservata	N.D.	31	32	27	31	28	29	30	30	30
	anomalia*	N.D.	3	4	1	3	0	2	2	2	4
Precipitazione (mm/24ore)		N.D.	0	0	0	0	0	0	0	0	0

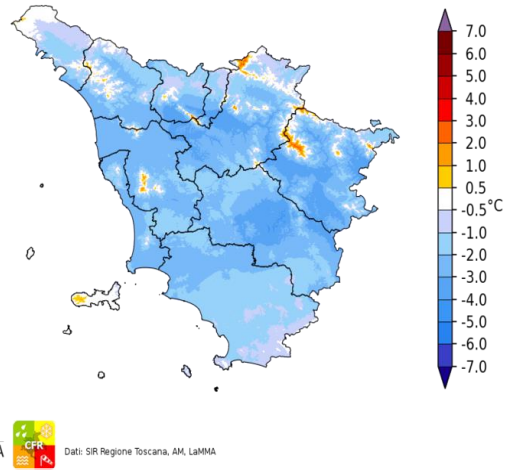
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 05/09/2021



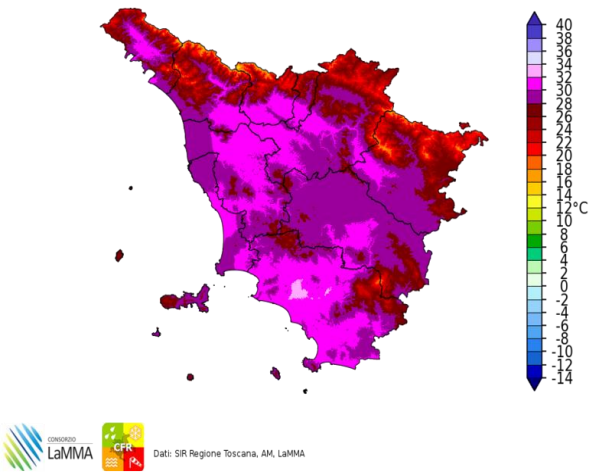
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 05/09/2021 e 04/09/2021



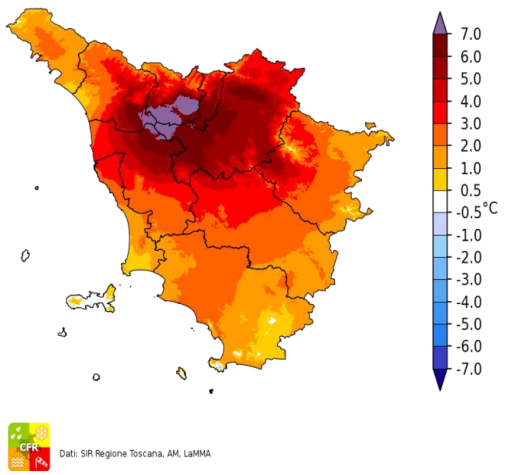
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 05/09/2021



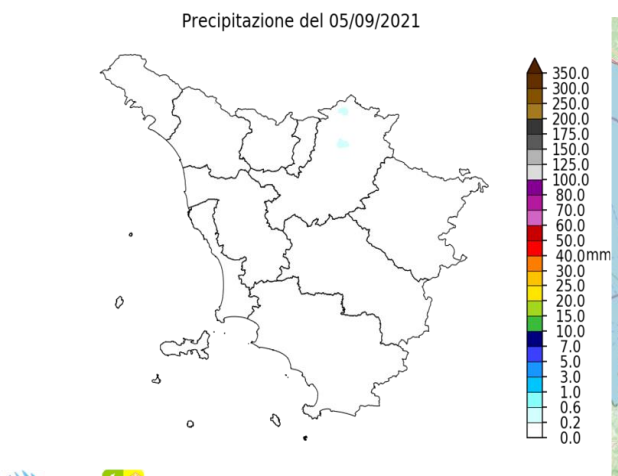
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 05/09/2021 e 04/09/2021



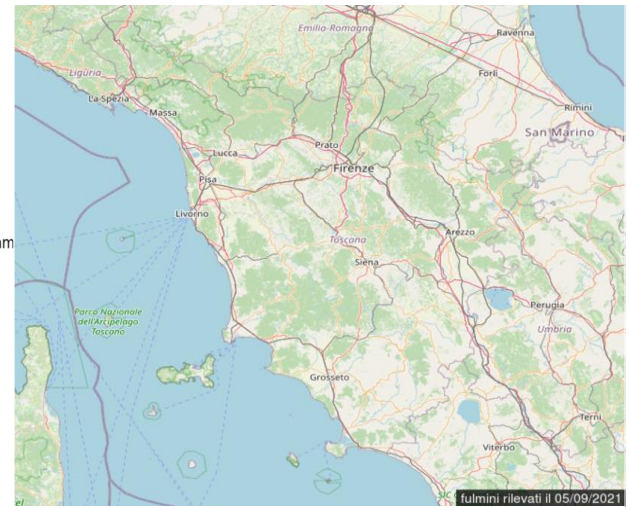
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 05/09/2021



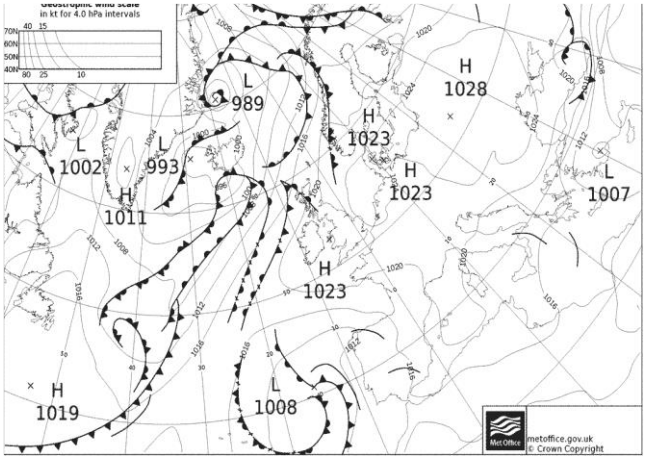
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 05 Settembre

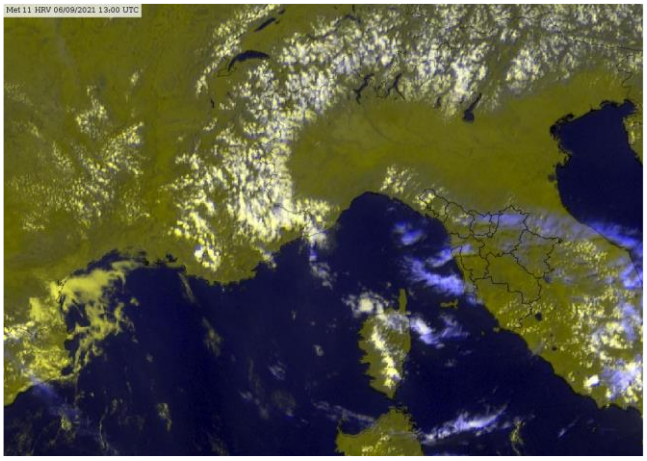


Lunedi' 6 Settembre 2021

Situazione: alta pressione e tempo stabile sul centro nord Italia, instabile al sud.

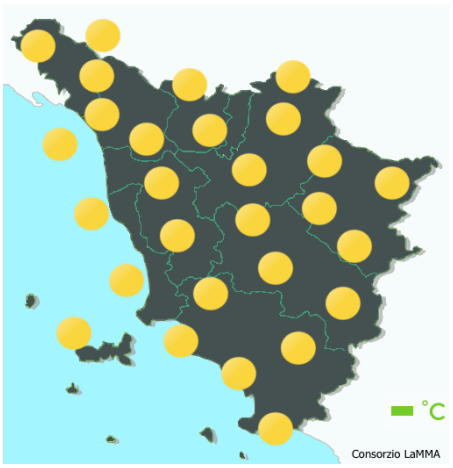


Pressione al suolo e fronti del 06 Settembre alle 12 UTC

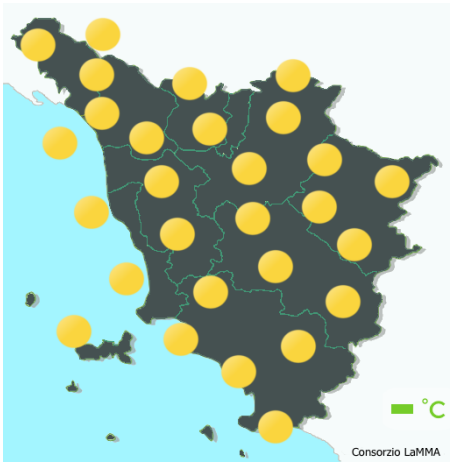


Meteosat HRV del 06 Settembre alle 13 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso.

Fenomeni: nessuno.

Venti: deboli variabili, fino a moderati di Maestrale nel pomeriggio lungo il litorale.

Mari: in prevalenza poco mossi, temporaneamente mossi nel pomeriggio i settori meridionali.

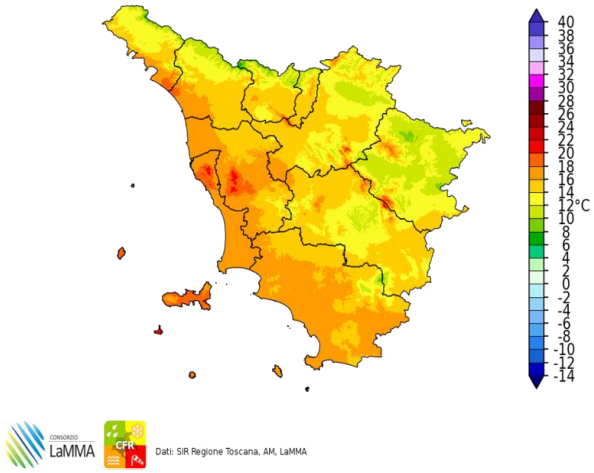
Temperature: minime in lieve aumento, massime pressoché stazionarie.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	9	12	17	21	15	18	15	14	19	17
	anomalia*	-3	-3	2	2	-1	1	0	-1	2	2
T. max	osservata	29	31	33	26	30	29	30	30	30	29
	anomalia*	2	2	4	0	2	2	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

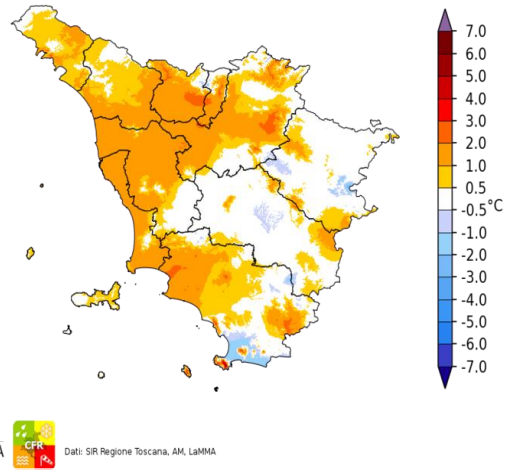
Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 06/09/2021



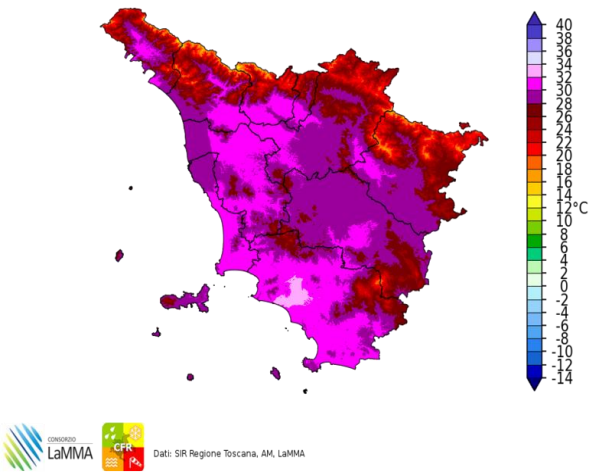
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 06/09/2021 e 05/09/2021



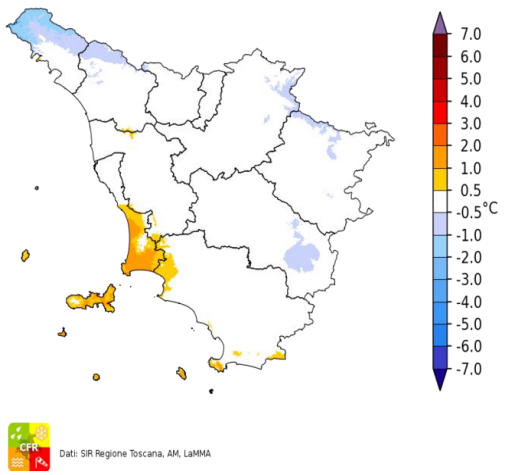
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 06/09/2021



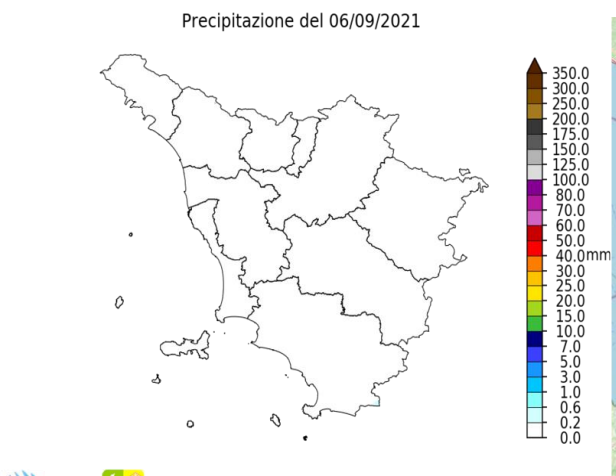
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 06/09/2021 e 05/09/2021



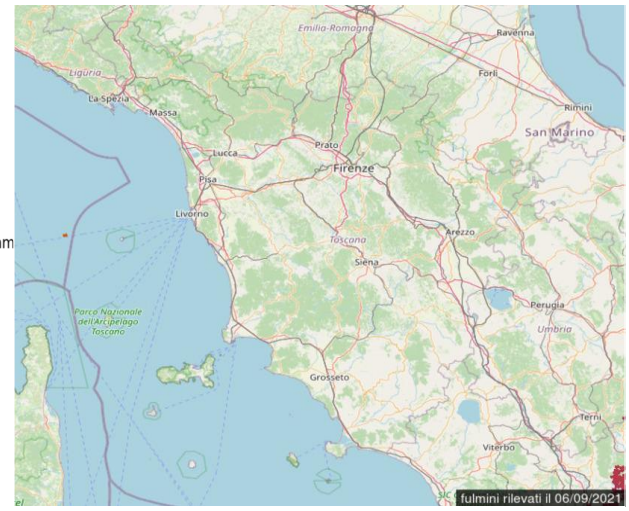
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 06/09/2021



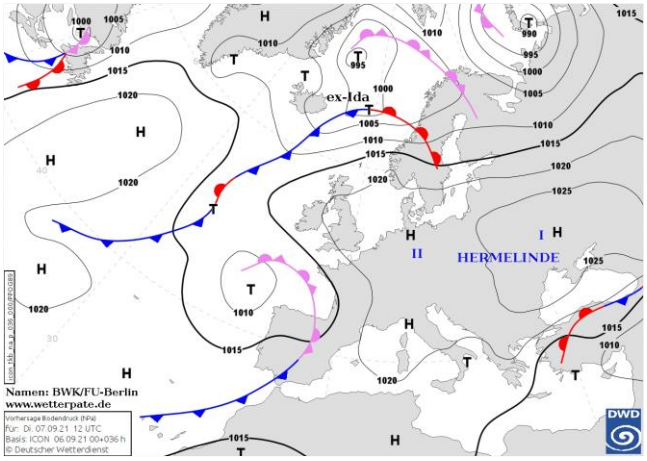
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 06 Settembre

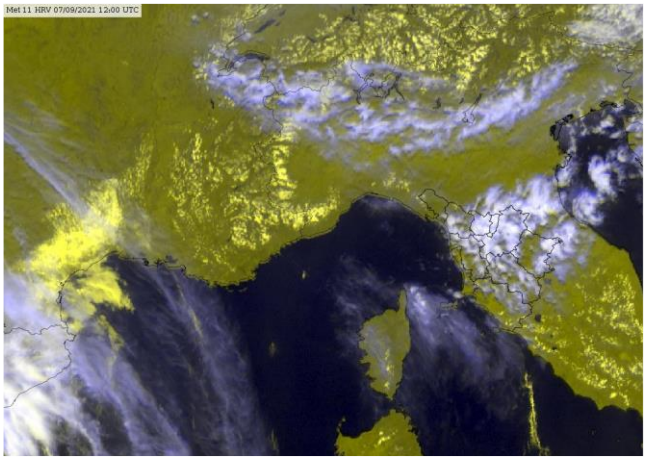


Martedi' 7 Settembre 2021

Situazione: condizioni di alta pressione con tempo stabile e temperature leggermente superiori alla media.

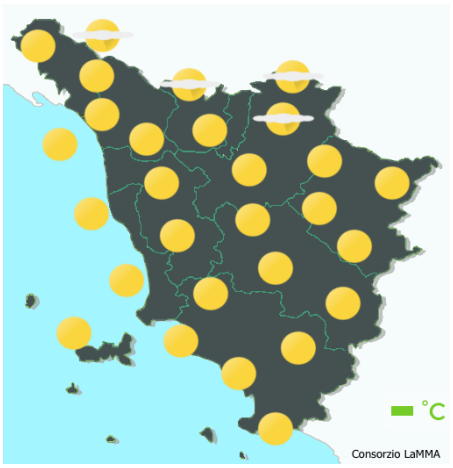


Pressione al suolo e fronti del 07 Settembre alle 12 UTC



Meteosat HRV del 07 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo:

Fenomeni: nessuno.

Venti: deboli da nord est nell'interno, fino a moderati di Maestrale sulla costa.

Mari: poco mossi.

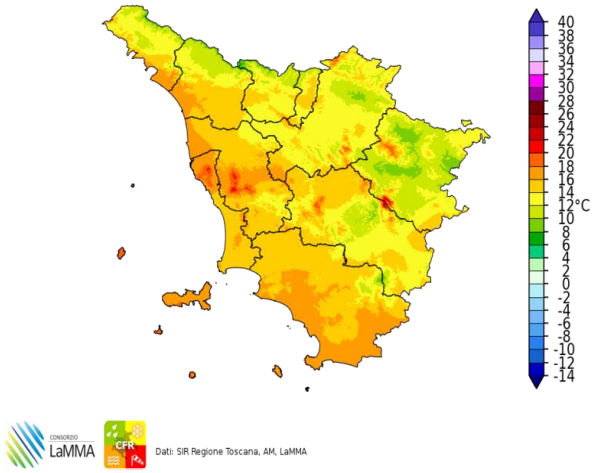
Temperature: in calo le minime.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	9	12	17	21	14	17	15	13	17	19
	anomalia*	-3	-4	1	3	-1	0	0	-2	1	3
T. max	osservata	30	31	33	26	30	28	28	30	30	28
	anomalia*	3	3	5	0	2	0	1	1	2	2
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

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

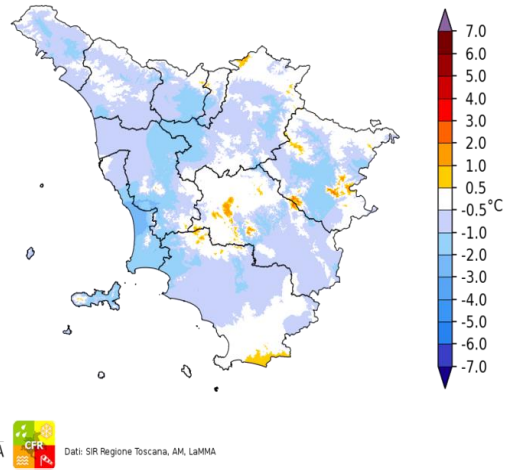
Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 07/09/2021



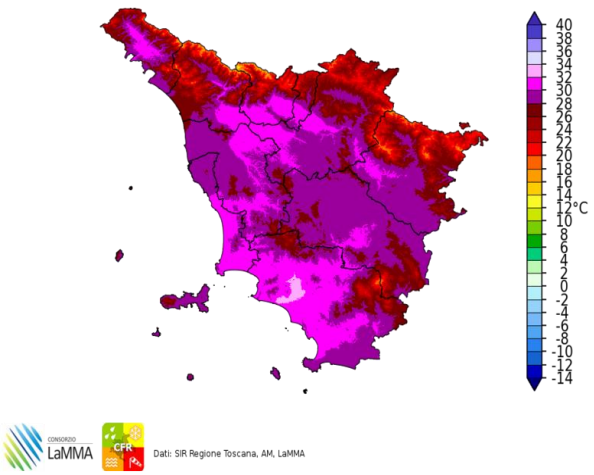
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 07/09/2021 e 06/09/2021



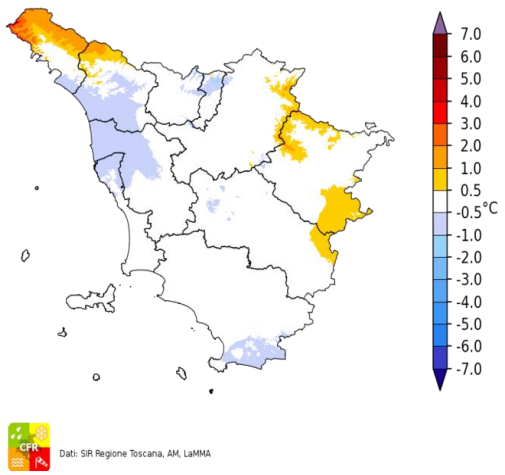
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 07/09/2021



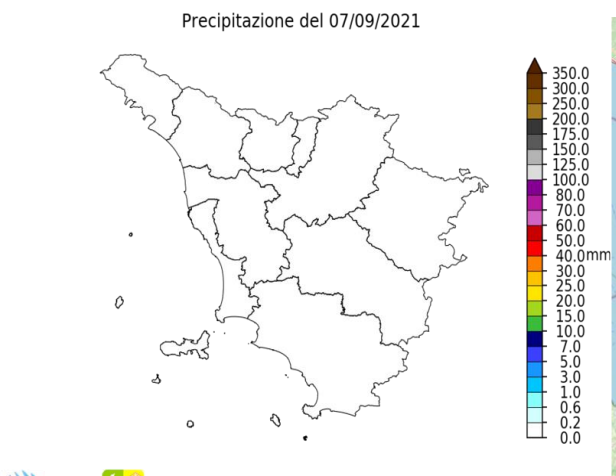
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 07/09/2021 e 06/09/2021



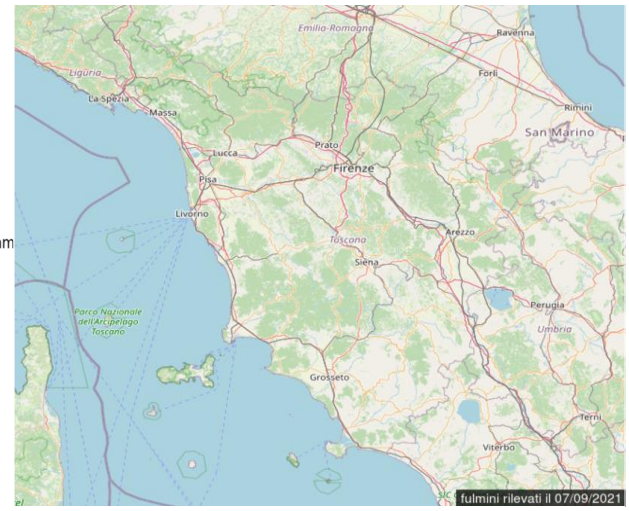
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 07/09/2021



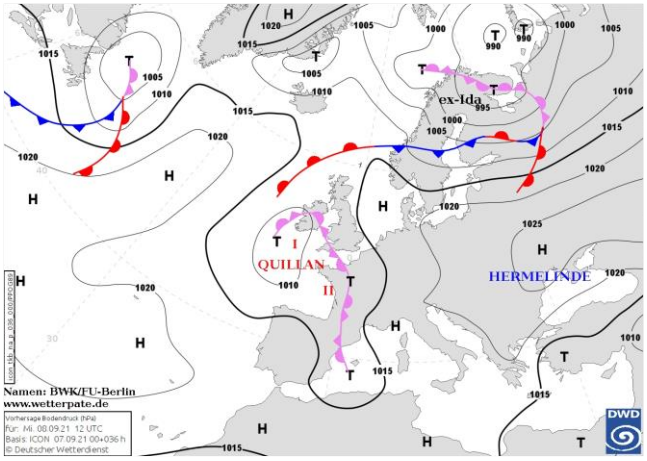
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 07 Settembre

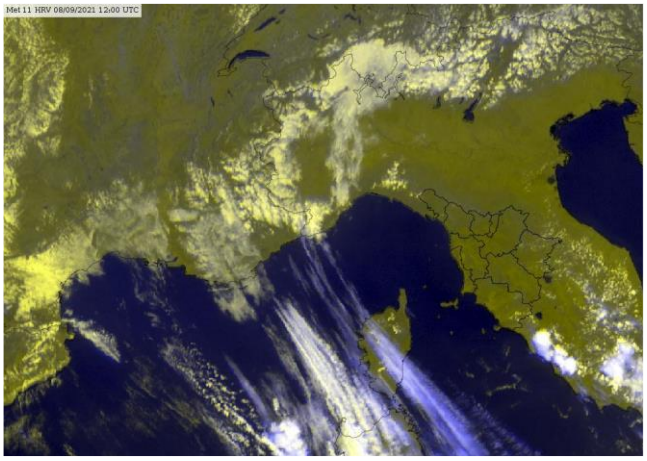


Mercoledi' 8 Settembre 2021

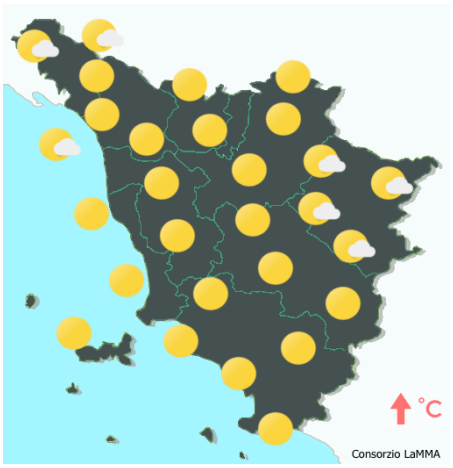
Situazione: un vasto campo di alta pressione con massimi sull'Europa orientale estende la sua influenza anche all'Italia. Una circolazione depressionaria in quota interessa il centro-sud della penisola, mantenendo condizioni di instabilità.



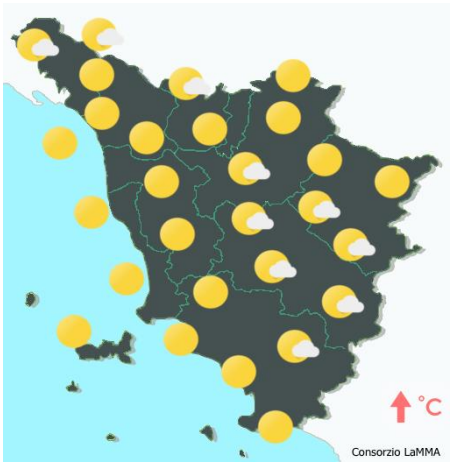
Pressione al suolo e fronti del 08 Settembre alle 12 UTC


Meteosat HRV del 08 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso.

Fenomeni: nessuno.

Venti: deboli da nord-est, in temporanea rotazione a Maestrale sulla costa nel pomeriggio.

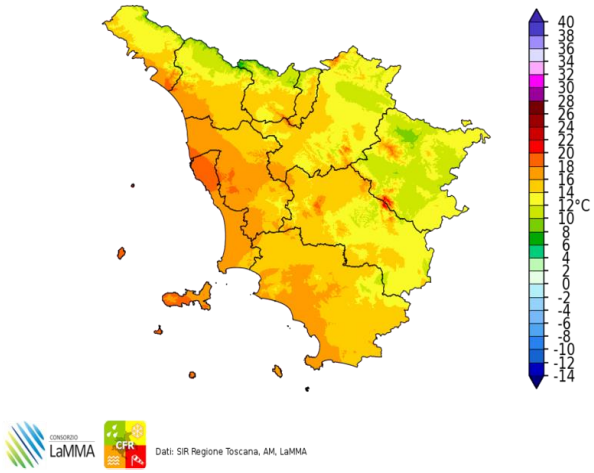
Mari: generalmente poco mossi.

Temperature: in lieve aumento, in lieve calo le massime in Maremma e in Lunigiana.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	10	13	15	22	16	18	15	14	18	18
	anomalia*	-2	-3	-1	4	0	1	0	0	2	2
T. max	osservata	30	31	30	30	31	28	31	30	30	28
	anomalia*	3	3	2	4	3	1	3	2	2	2
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

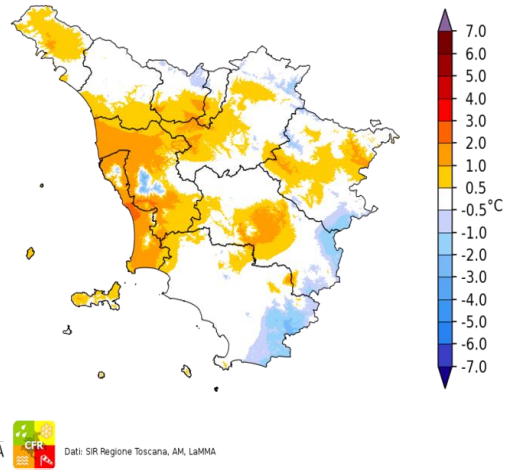
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 08/09/2021



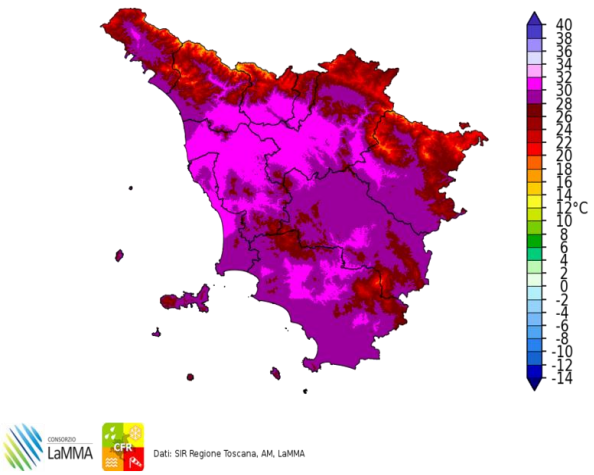
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 08/09/2021 e 07/09/2021



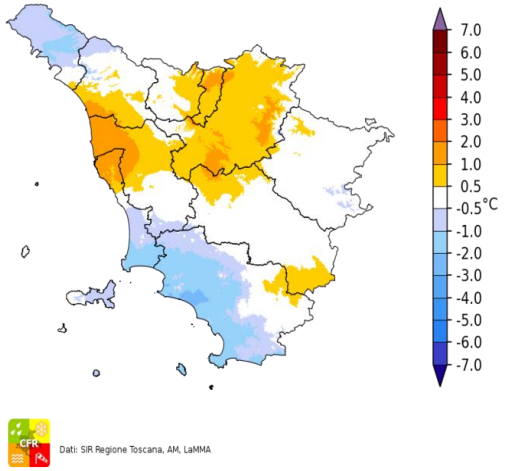
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 08/09/2021



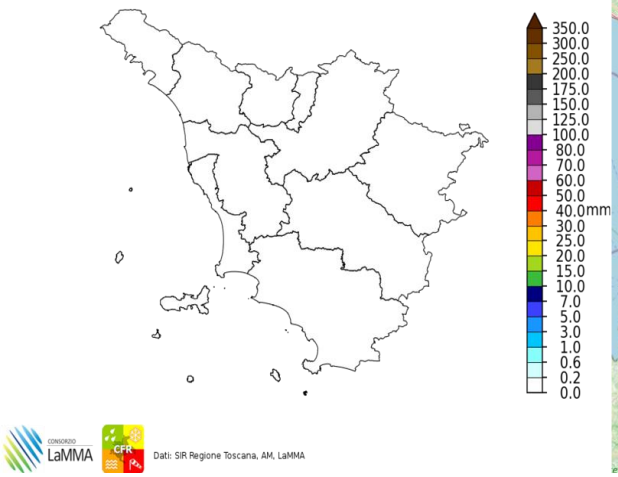
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 08/09/2021 e 07/09/2021



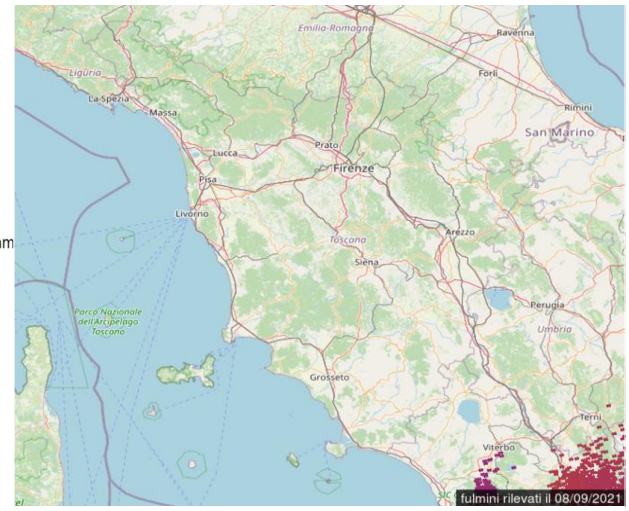
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 08/09/2021



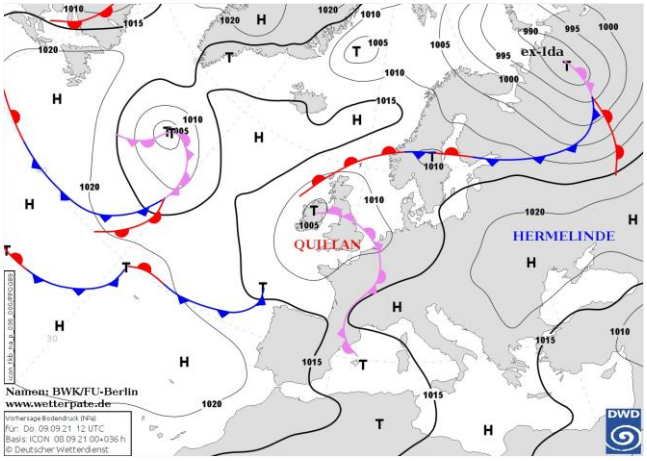
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 08 Settembre

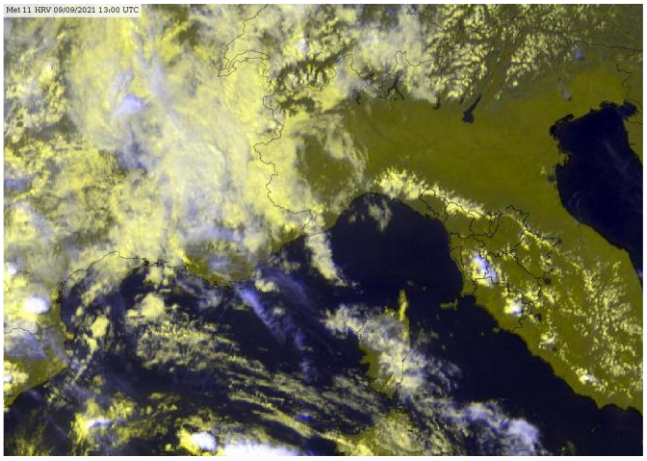


Giovedi' 9 Settembre 2021

Situazione: alta pressione a protezione dell'Europa orientale e del Mediterraneo centrale.

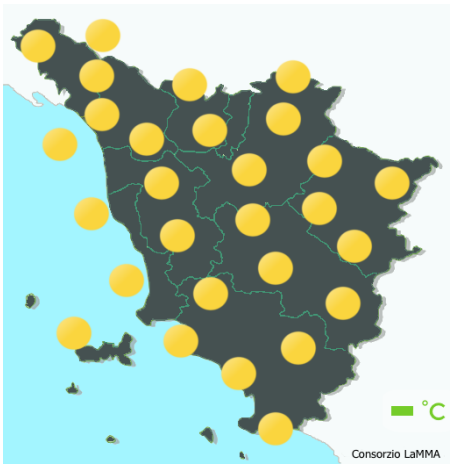


Pressione al suolo e fronti del 09 Settembre alle 12 UTC



Meteosat HRV del 09 Settembre alle 13 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso in mattinata, sviluppo di nubi cumuliformi nell'interno nel pomeriggio.

Fenomeni: isolati temporali su colline pisane, Metallifere e Amiata nel pomeriggio.

Venti: deboli da sud, sud-ovest.

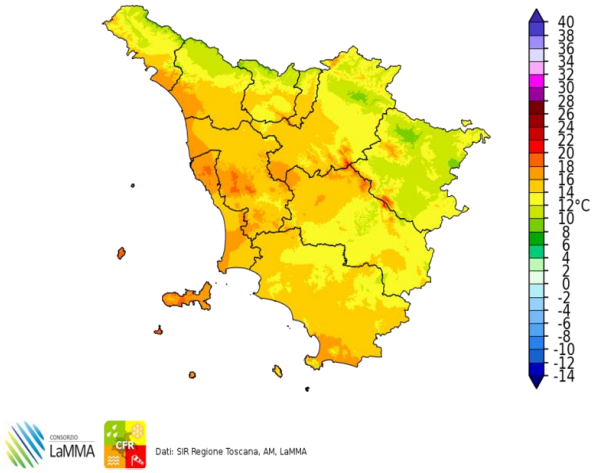
Mari: poco mossi.

Temperature: stazionarie o in lieve calo le massime sulle zone occidentali.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	10	13	15	20	14	17	15	14	17	16
	anomalia*	-2	-3	-1	2	-1	0	-1	-1	1	1
T. max	osservata	29	32	29	27	30	27	29	30	31	29
	anomalia*	2	4	1	0	2	0	2	2	3	3
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

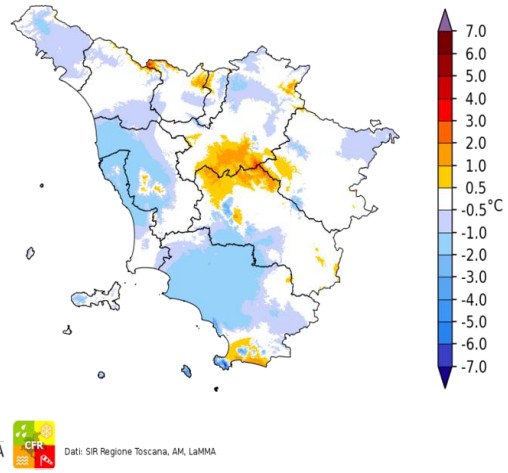
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 09/09/2021



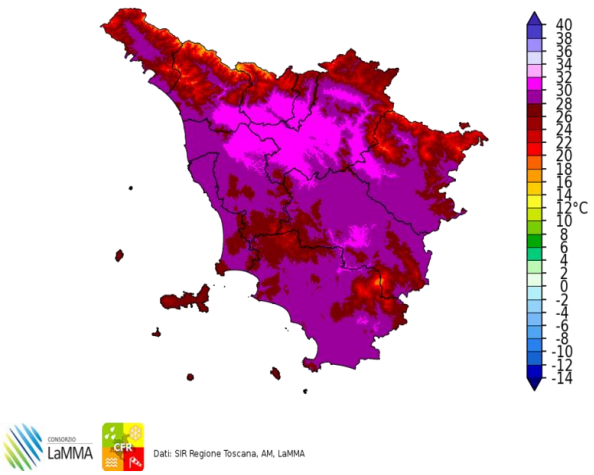
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 09/09/2021 e 08/09/2021



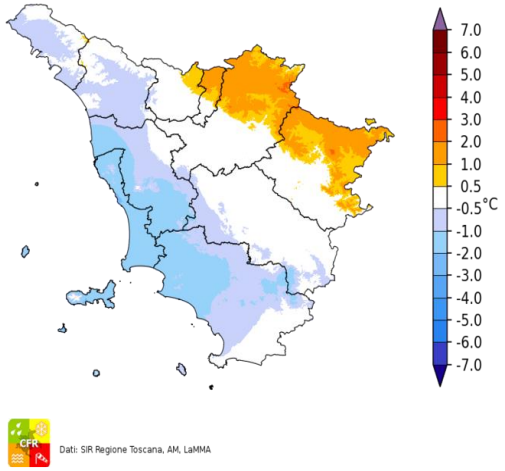
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 09/09/2021



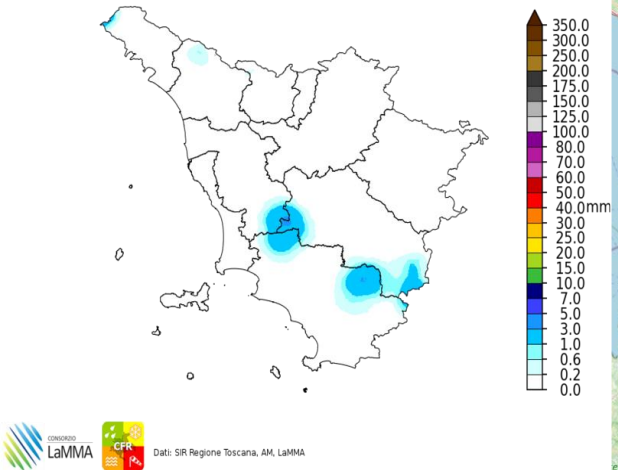
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 09/09/2021 e 08/09/2021



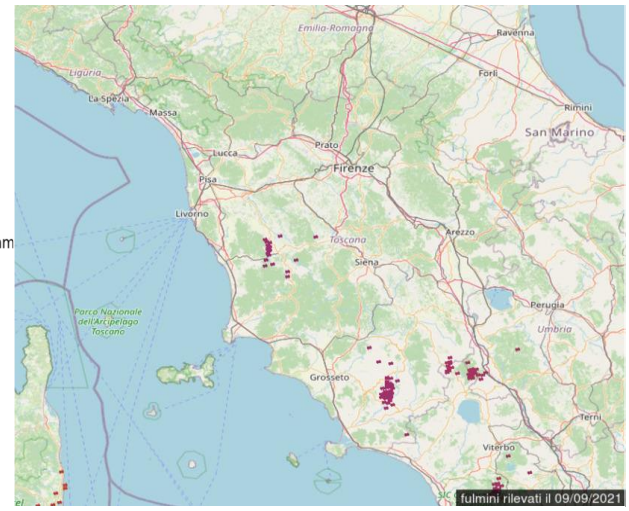
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 09/09/2021



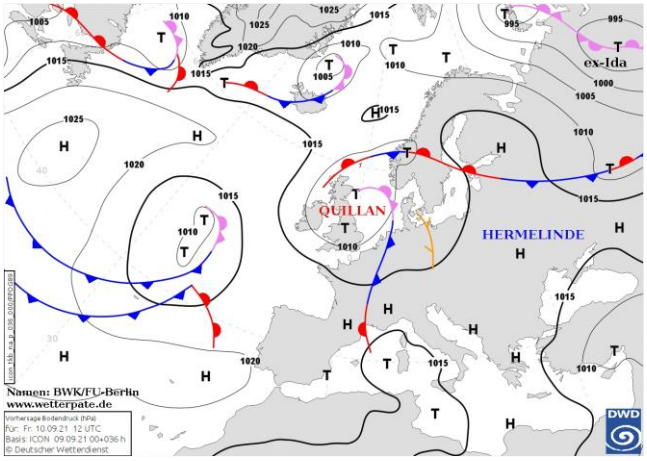
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 09 Settembre

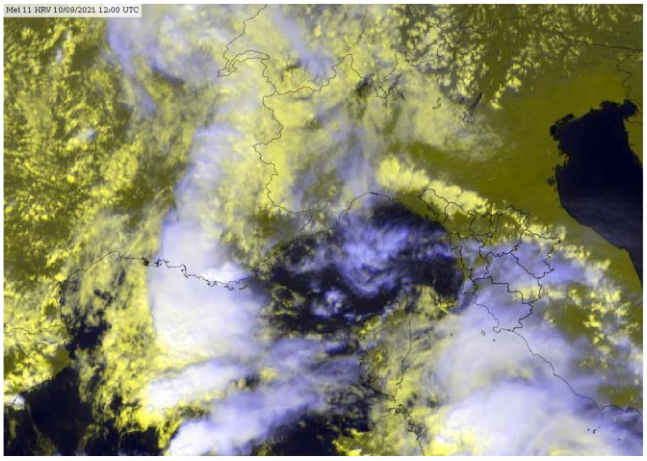


Venerdi' 10 Settembre 2021

Situazione: sul Mediterraneo centro-occidentale è presente un campo di alta pressione che mantiene condizioni di tempo in prevalenza stabile. Infiltrazioni di aria fresca in quota determinano condizioni di moderata instabilità pomeridiana soprattutto sulle zone interne.



Pressione al suolo e fronti del 10 Settembre alle 12 UTC


Meteosat HRV del 10 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: fra poco nuvoloso e parzialmente nuvoloso.

Fenomeni: isolate precipitazioni sull'Appennino aretino, Val d'Orcia e Elba occidentale.

Venti: deboli o localmente moderati da sud, sud-est sulla costa; deboli sud-occidentali nell'interno.

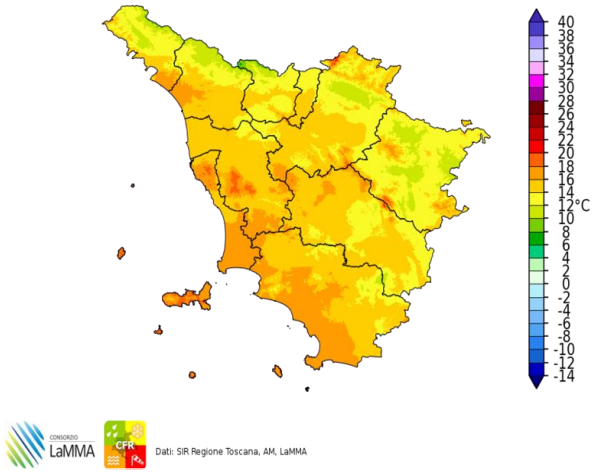
Mari: poco mossi, localmente mossi a sud dell'Elba.

Temperature: stazionarie o in lieve aumento le minime.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	12	13	17	19	14	16	15	14	17	17
	anomalia*	0	-2	1	1	-2	0	-1	-1	1	1
T. max	osservata	29	32	28	26	30	29	30	30	31	30
	anomalia*	2	4	0	0	2	1	3	2	3	3
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

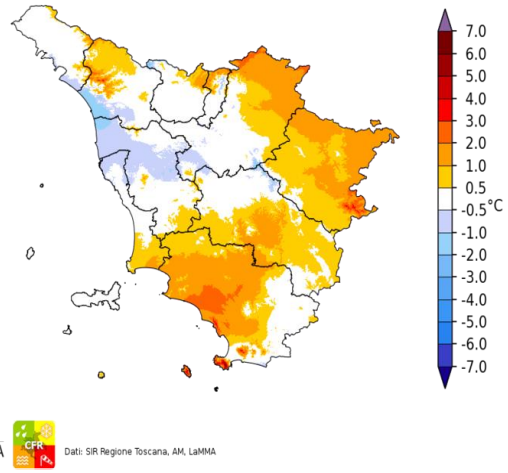
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 10/09/2021



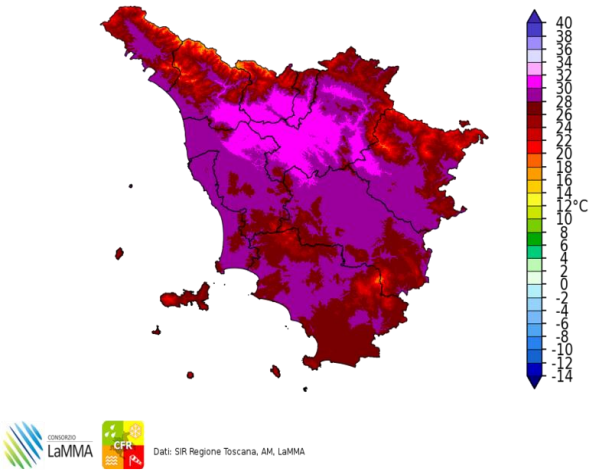
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 10/09/2021 e 09/09/2021



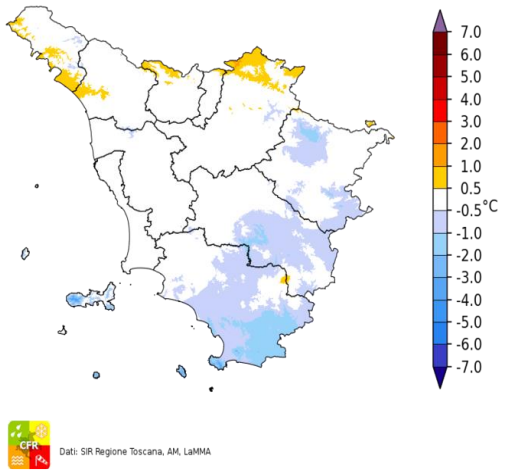
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 10/09/2021



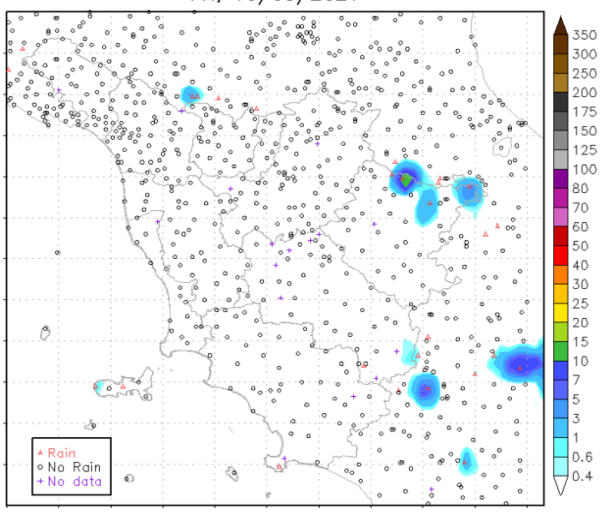
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 10/09/2021 e 09/09/2021

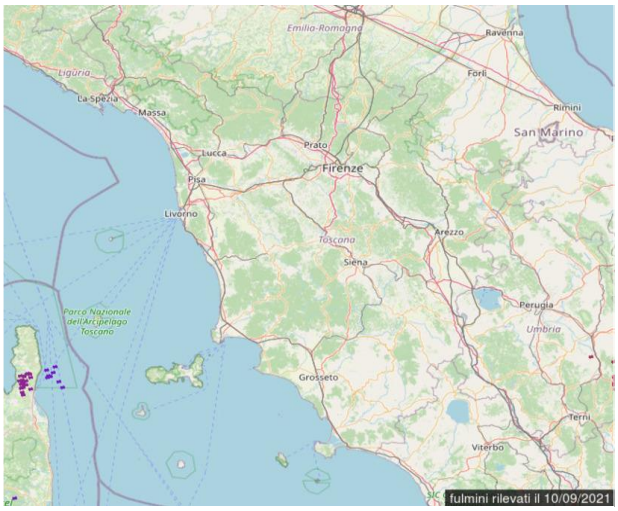


Dati: SIR Regione Toscana, AM, LaMMA

Total Precipitation [mm] cumulated on Fri, 10/09/2021

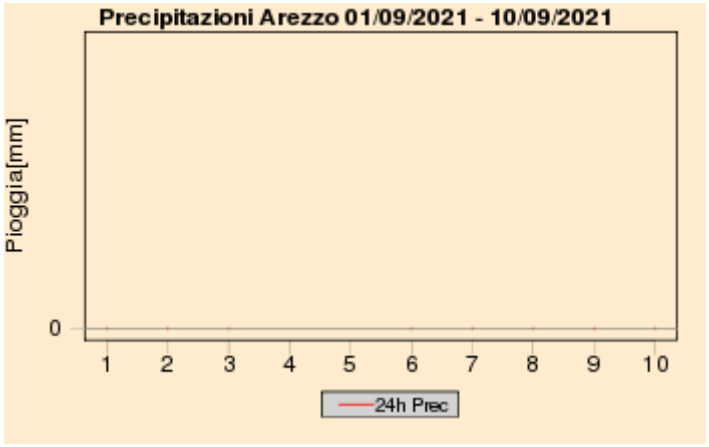


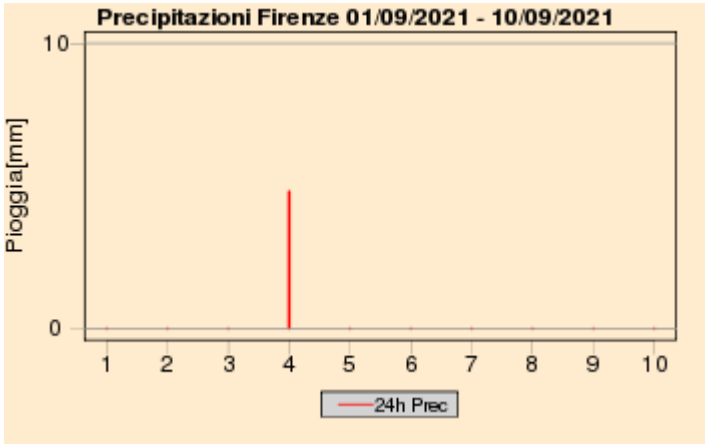
Fulminazioni osservate il giorno 10 Settembre

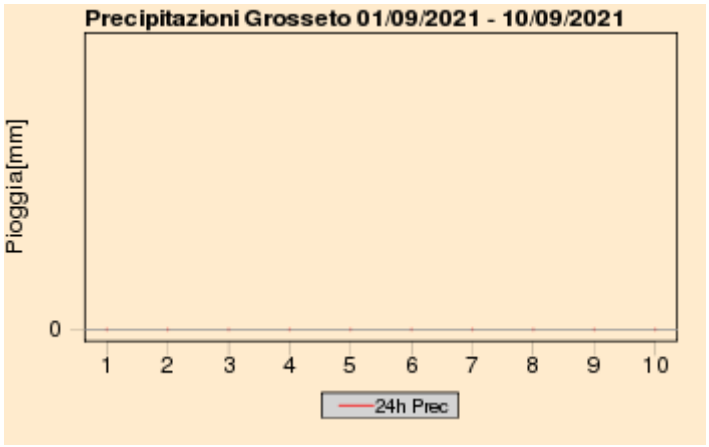


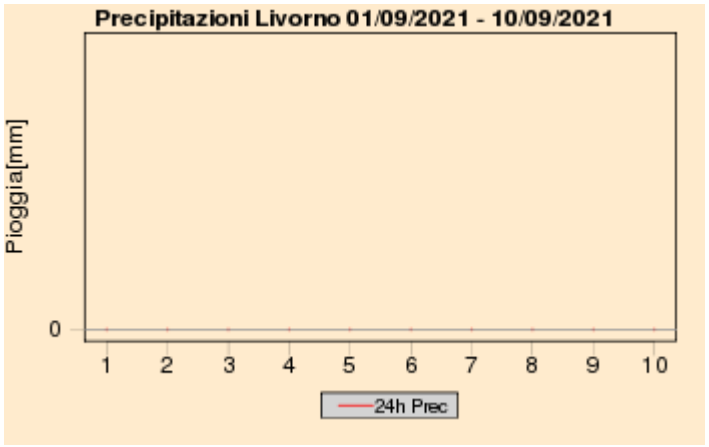
I decade - Quadro regionale – Precipitazioni

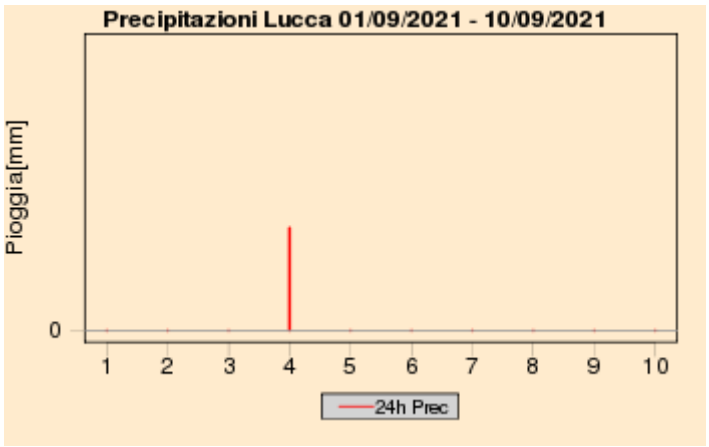
La prima decade di Settembre è stata caratterizzata dalla prevalenza di condizioni di alta pressione sulla Toscana e si sono pertanto avute pochissimi episodi precipitativi: si sono infatti registrati nei 10 giorni cumulati assenti o scarsamente significati, ovvero non superiori a 10 mm.

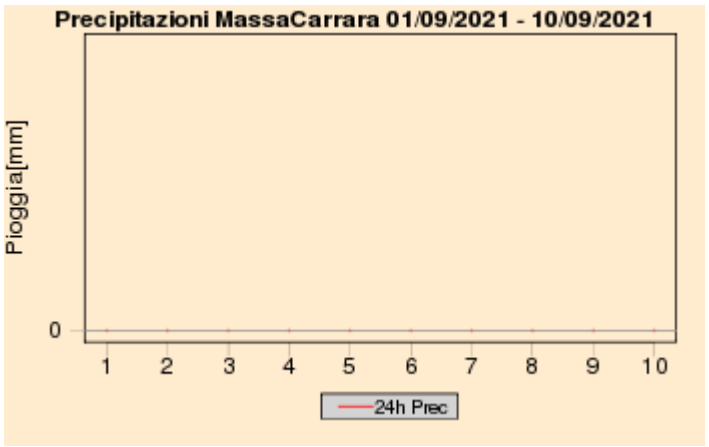


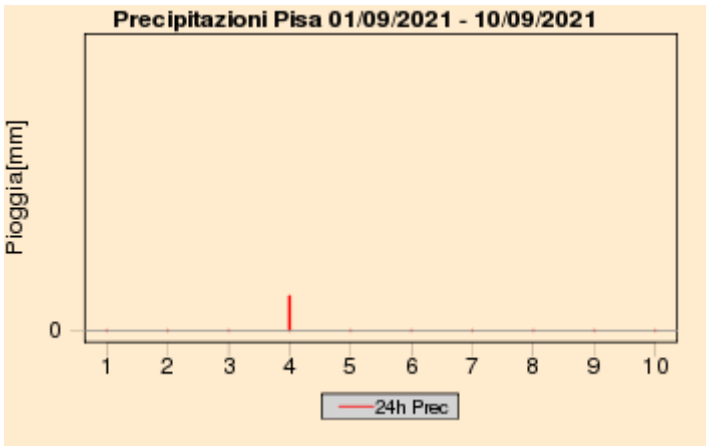


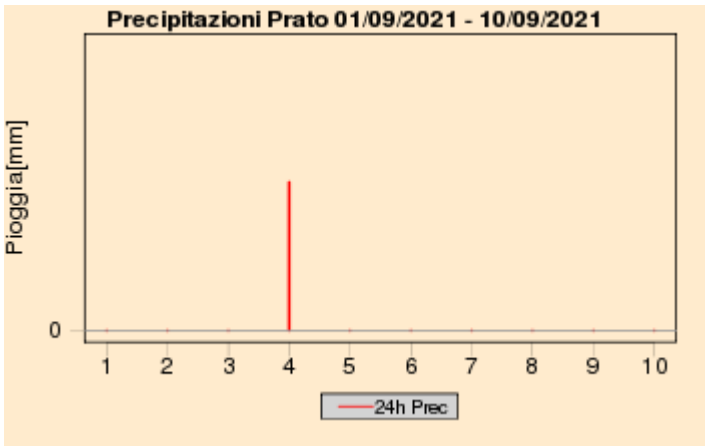


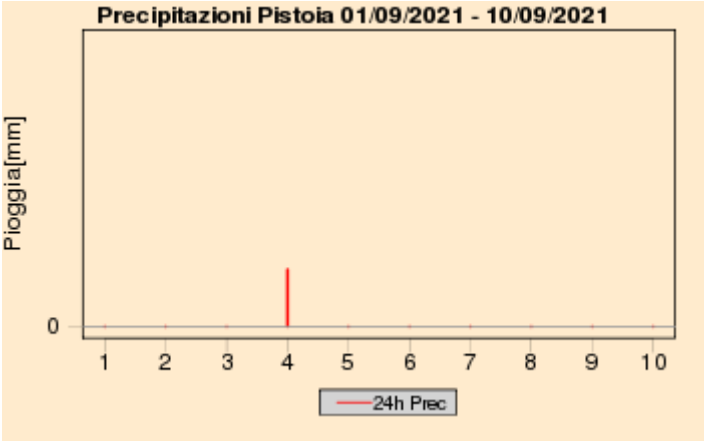






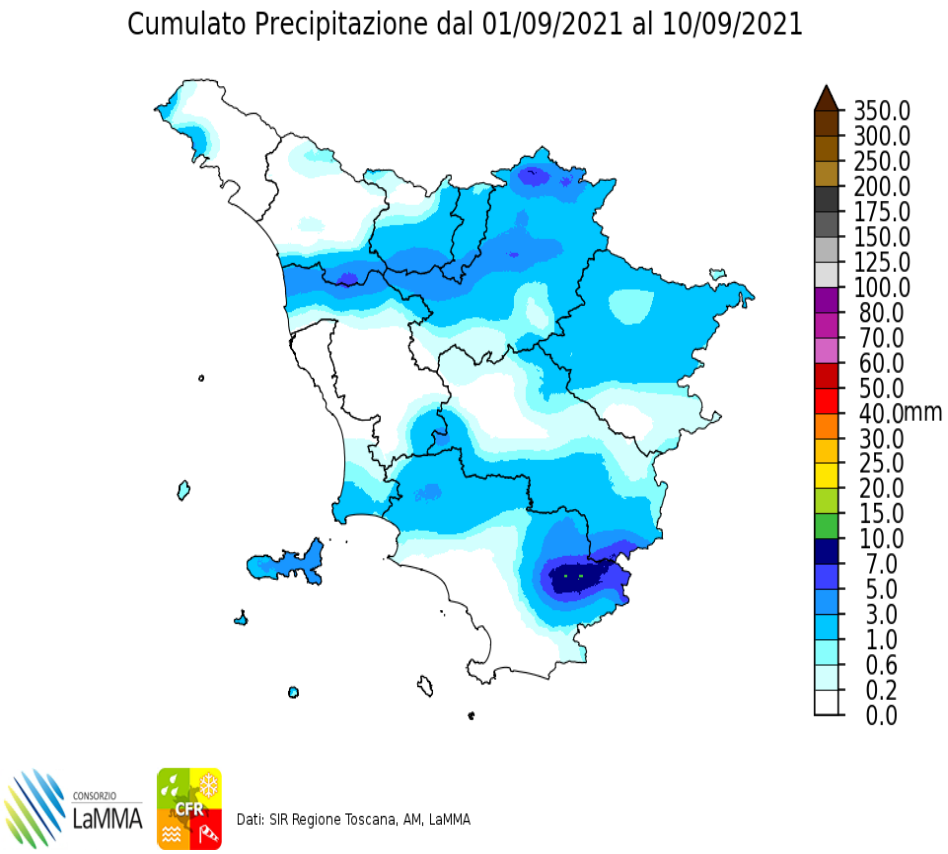




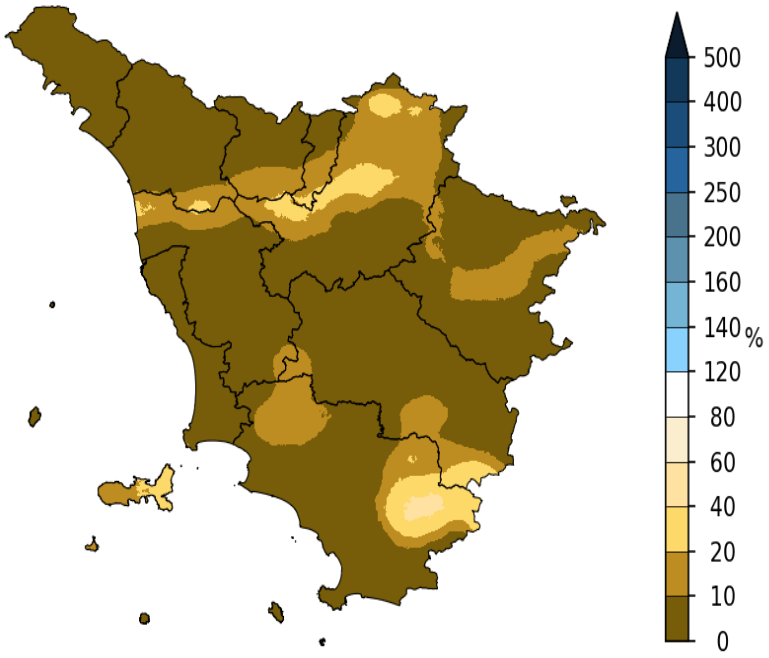




Quadro regionale – Cumulati decadali di precipitazione, anomalia di precipitazione e numero di giorni di pioggia

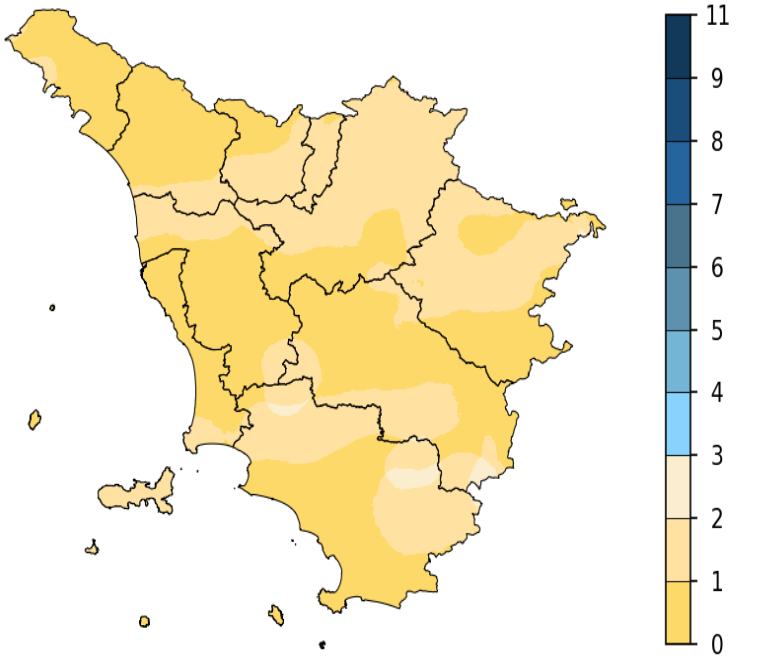


Percentuale di Precipitazione rispetto alla media climatica
dal 01/09/2021 al 10/09/2021



Dati: SIR Regione Toscana, AM, LaMMA

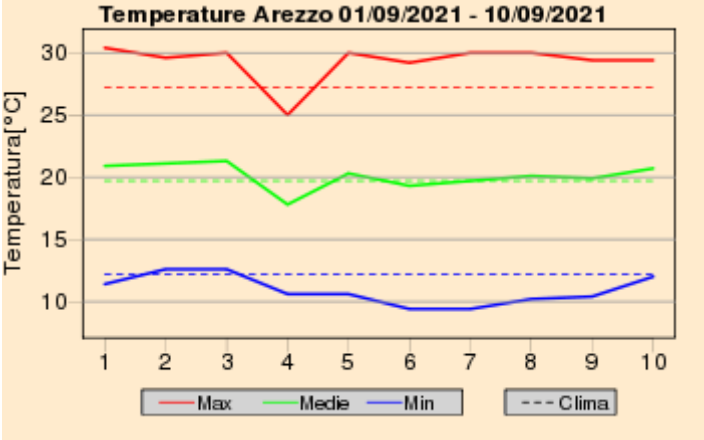
Giorni con Pioggia ≥ di 1 mm dal 01/09/2021 al 10/09/2021

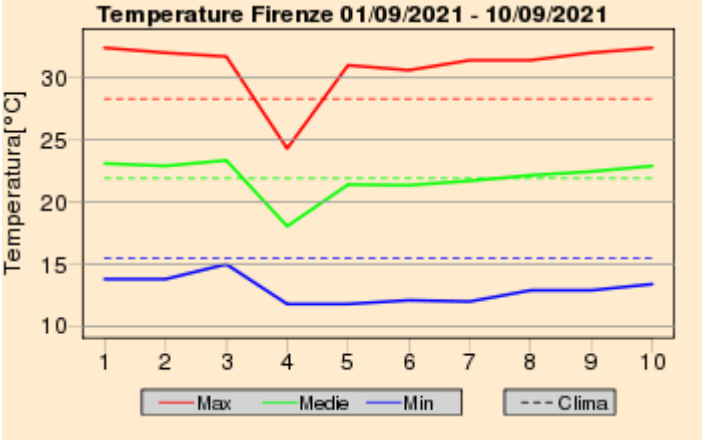


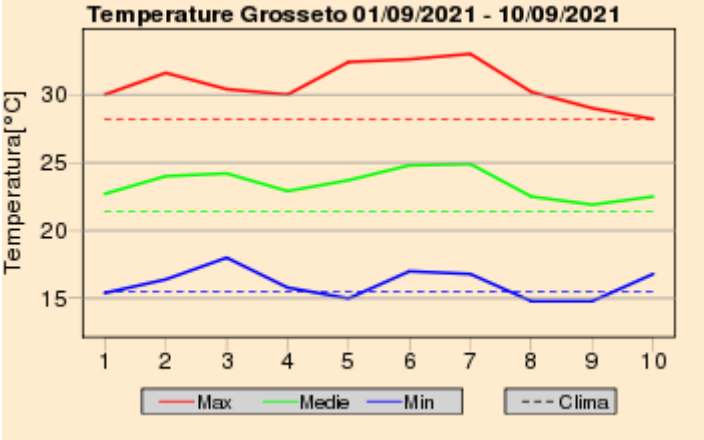
Dati: SIR Regione Toscana, AM, LaMMA

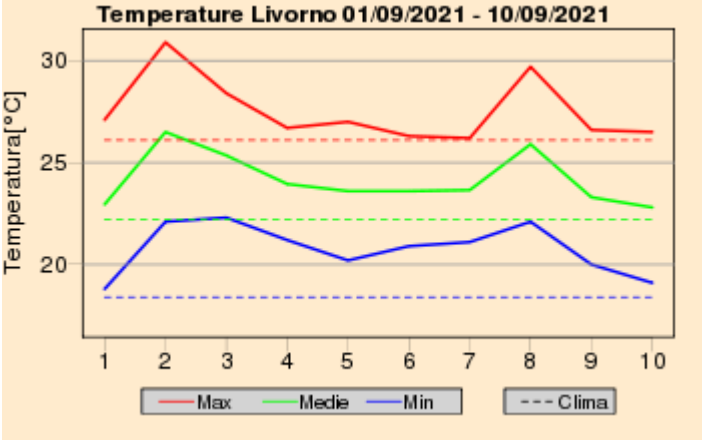
I decade - Quadro regionale – Temperature

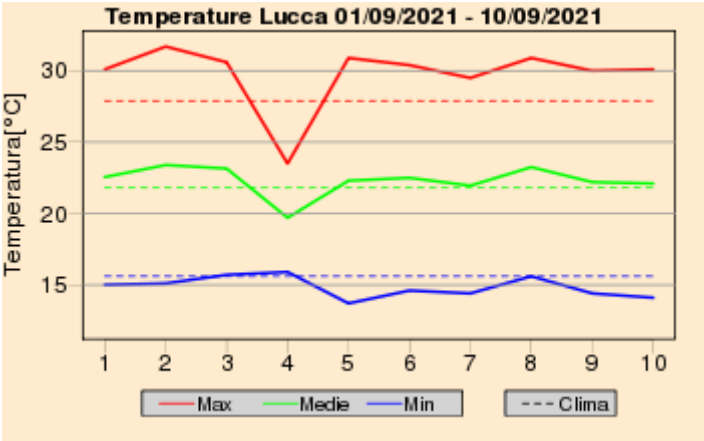
Nel corso della prima decade di settembre le temperature si sono mantenute per tutti e dieci i giorni su valori stazionari: le minime hanno infatti oscillato sulle zone interne su valori compresi tra 10 e 15 gradi, mantenendosi quindi allineate con i valori di riferimento climatologici; le massime si sono invece mantenute quasi costantemente attorno a 30 gradi, risultando quindi nel complesso leggermente superiori alle medie.

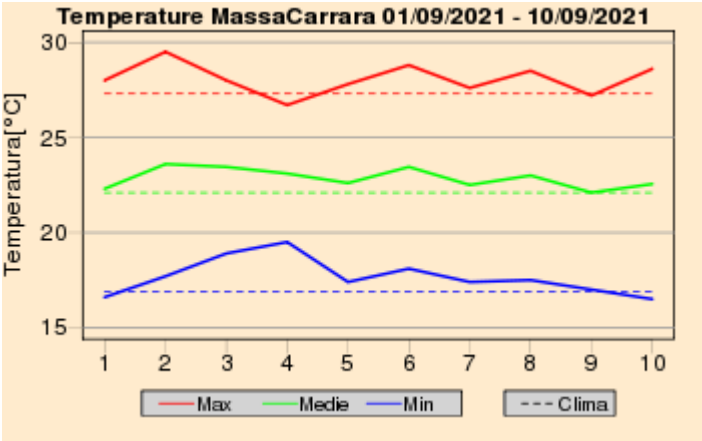


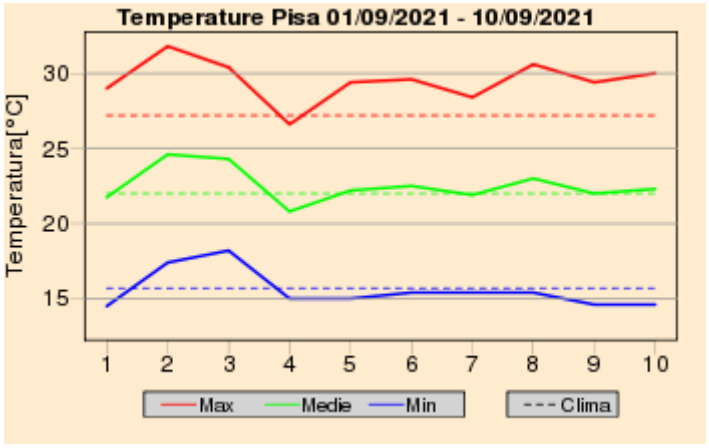


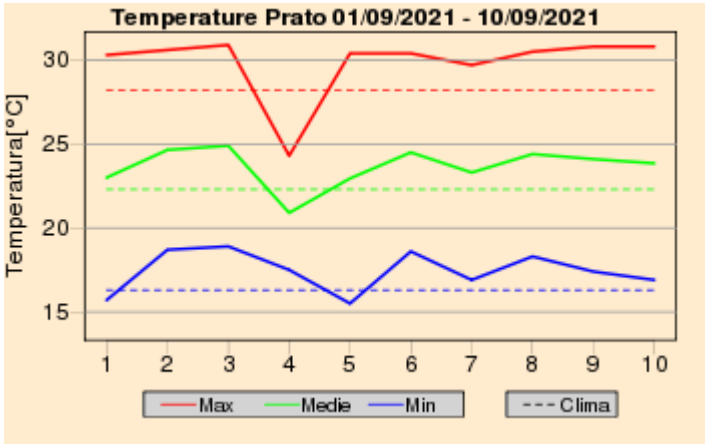


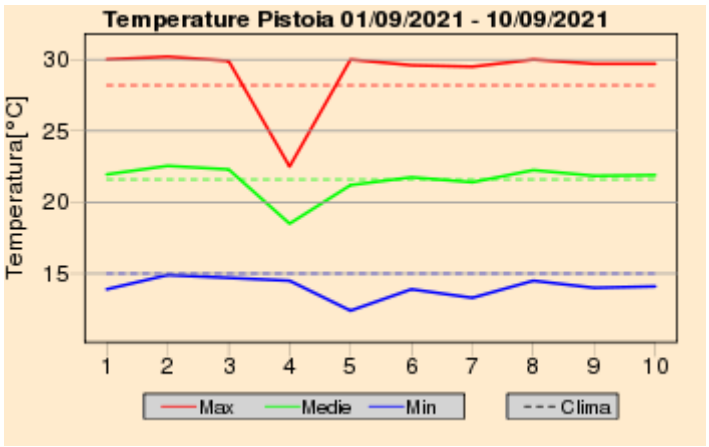


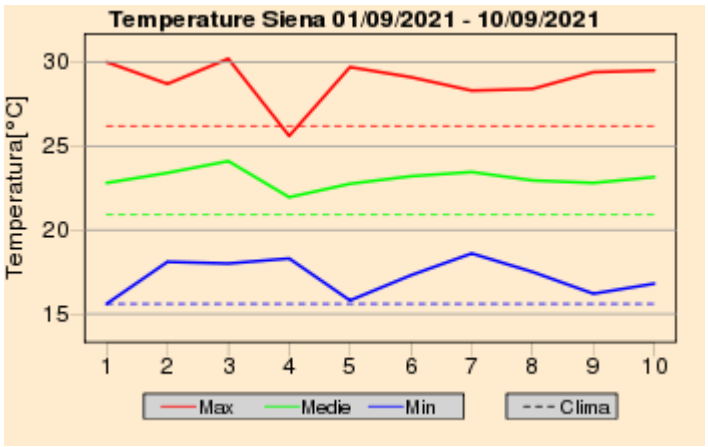




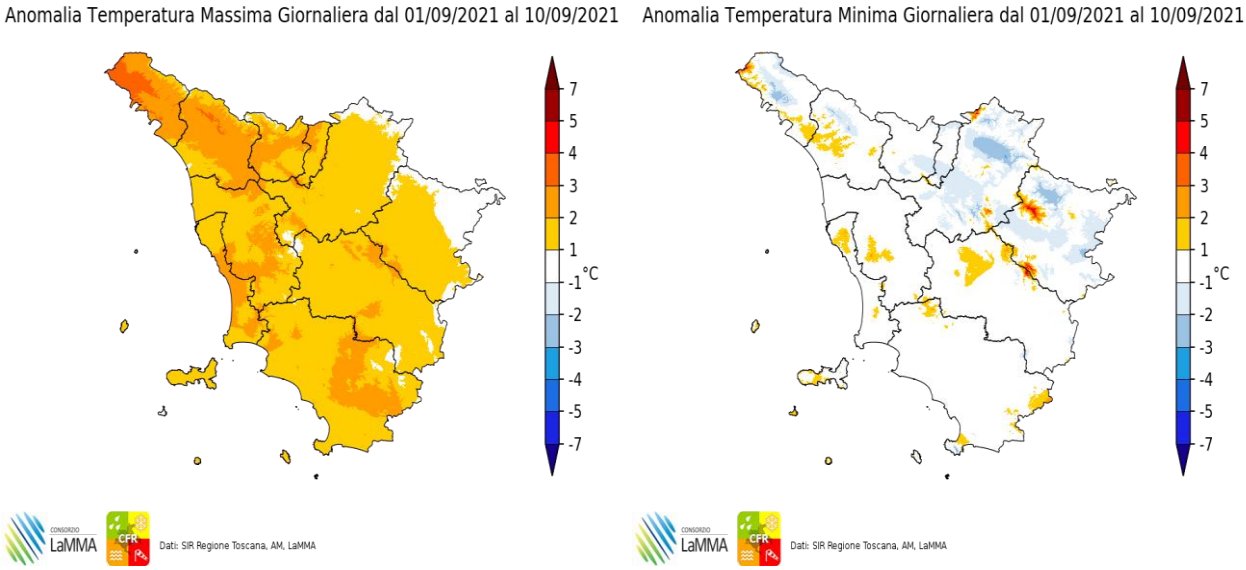








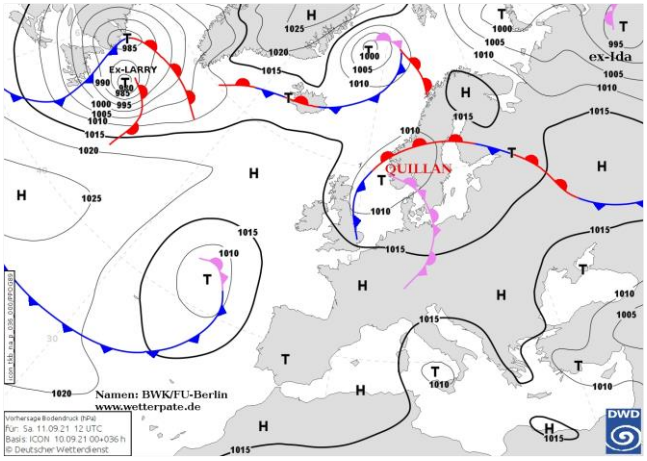
Quadro regionale – Anomalie termiche



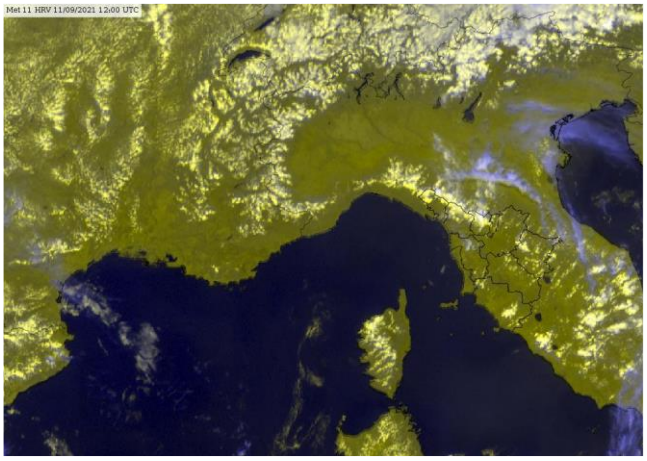
Anomalia termica decadale per le temperature massime e minime giornaliere

Sabato 11 Settembre 2021

Situazione: il Mediterraneo centro-occidentale è interessato da un promontorio anticiclonico di matrice subtropicale.

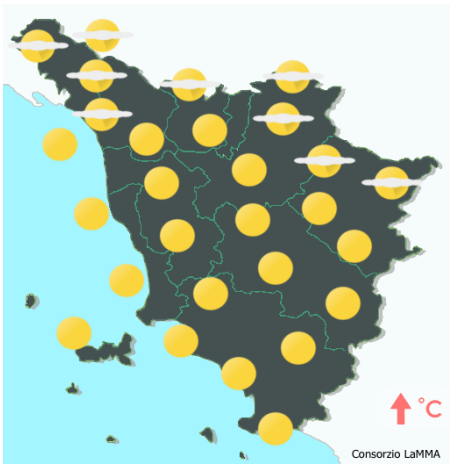


Pressione al suolo e fronti del 11 Settembre alle 12 UTC



Meteosat HRV del 11 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso con isolati addensamenti pomeridiani sulle zone interne

Fenomeni: isolati piovaschi sulle zone settentrionali.

Venti: deboli settentrionali nell'interno, di Maestrale sulla costa con rinforzi nel pomeriggio e nella prima parte della serata.

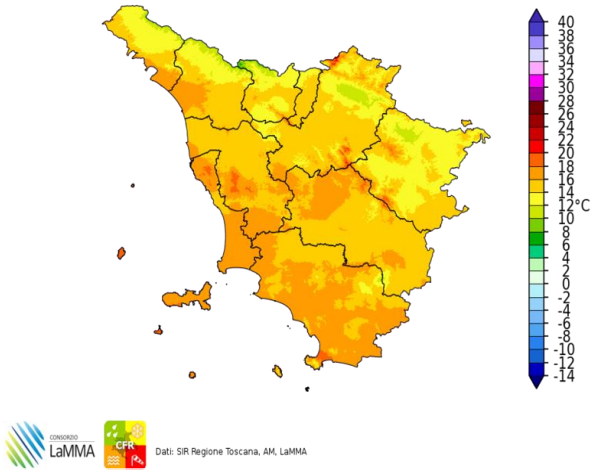
Mari: poco mossi a nord di Capraia, a tratti mossi a sud.

Temperature: miti.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	N.D.	14	17	20	15	17	15	14	18	18
	anomalia*	N.D.	-1	2	3	0	1	0	0	2	3
T. max	osservata	N.D.	33	32	25	30	28	30	30	32	30
	anomalia*	N.D.	6	6	0	3	2	4	4	5	6
Precipitazione (mm/24ore)		N.D.	0	0	0	0	0	0	0	0	0

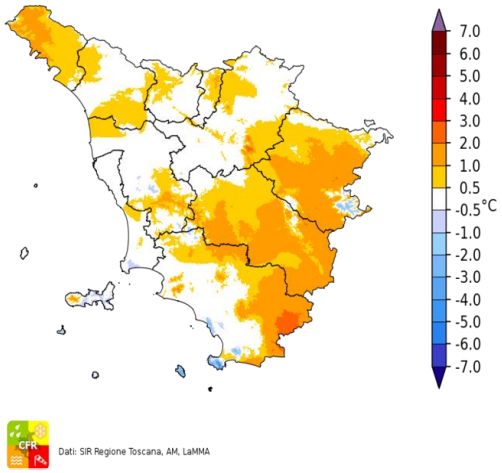
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 11/09/2021



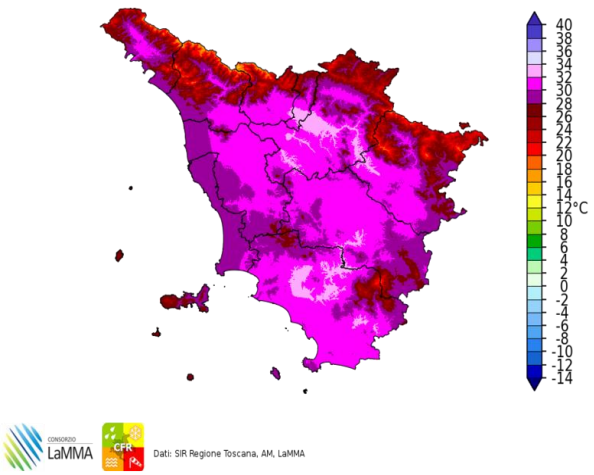
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 11/09/2021 e 10/09/2021



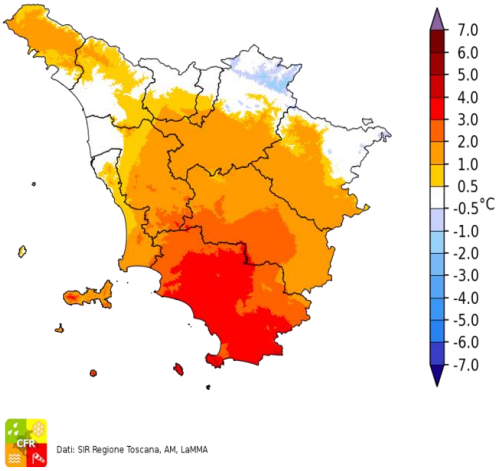
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 11/09/2021



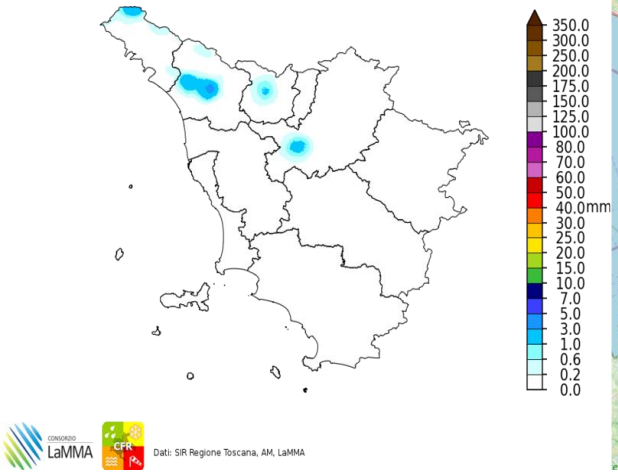
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 11/09/2021 e 10/09/2021



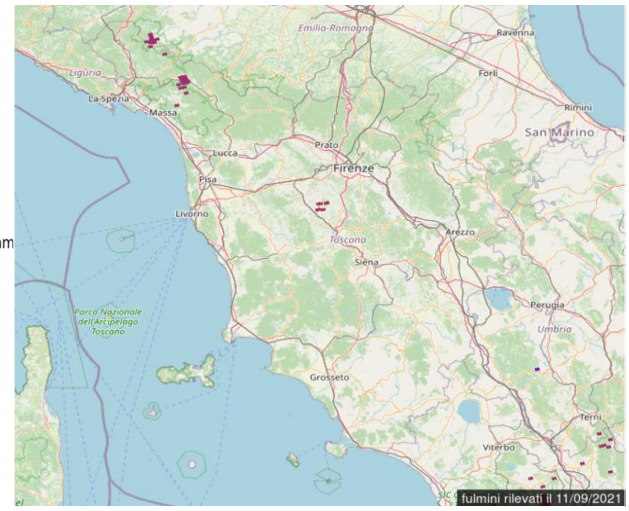
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 11/09/2021



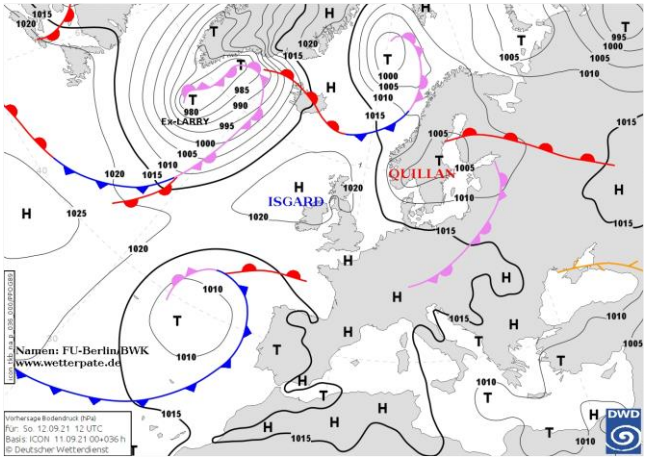
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 11 Settembre

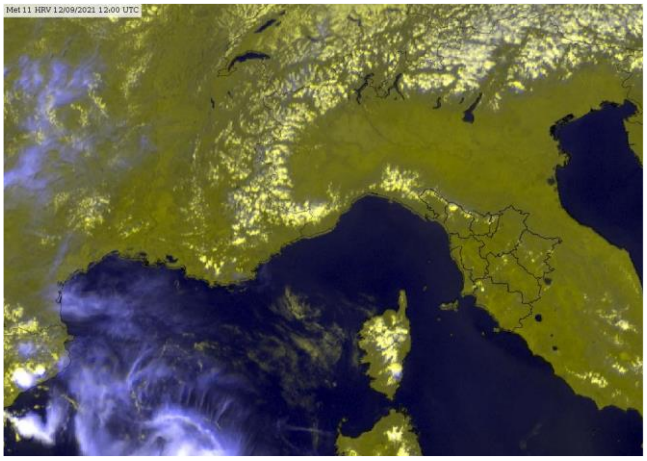


Domenica 12 Settembre 2021

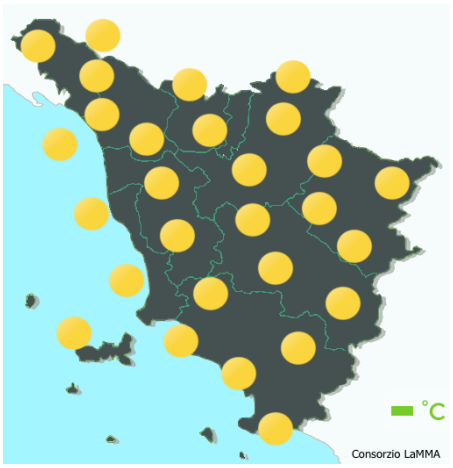
Situazione: il Mediterraneo centro-occidentale è interessato da un promontorio anticiclonico di matrice subtropicale che mantiene condizioni di stabilità atmosferica.



Pressione al suolo e fronti del 12 Settembre alle 12 UTC


Meteosat HRV del 12 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: prevalentemente soleggiato.

Fenomeni: nessuno.

Venti: deboli settentrionali nelle zone interne, fino a moderati di Maestrale sulla costa e in Arcipelago nel pomeriggio.

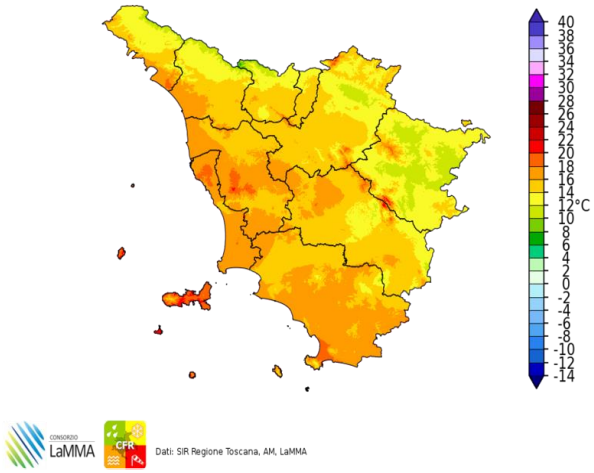
Mari: poco mossi, temporaneamente mossi a sud di Capraia nel pomeriggio e in serata.

Temperature: superiori alle medie.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	10	14	14	21	15	18	16	15	18	18
	anomalia*	-1	0	-1	4	1	2	1	1	2	4
T. max	osservata	N.D.	33	32	26	31	26	30	31	32	31
	anomalia*	N.D.	6	5	1	4	0	4	5	5	6
Precipitazione (mm/24ore)		N.D.	0	0	0	0	0	0	0	0	0

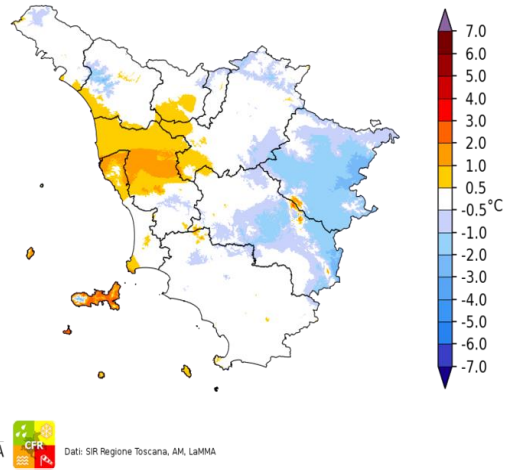
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 12/09/2021



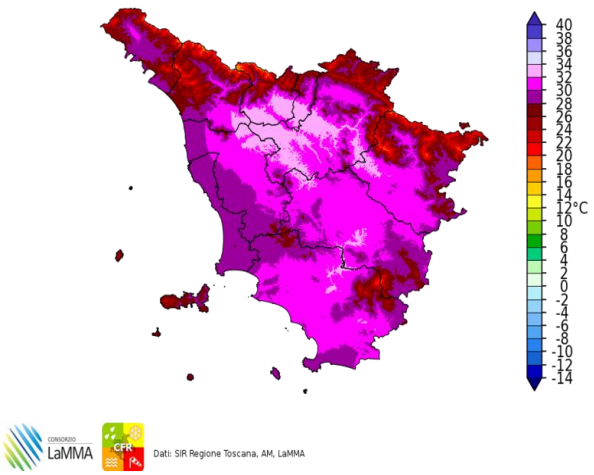
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 12/09/2021 e 11/09/2021



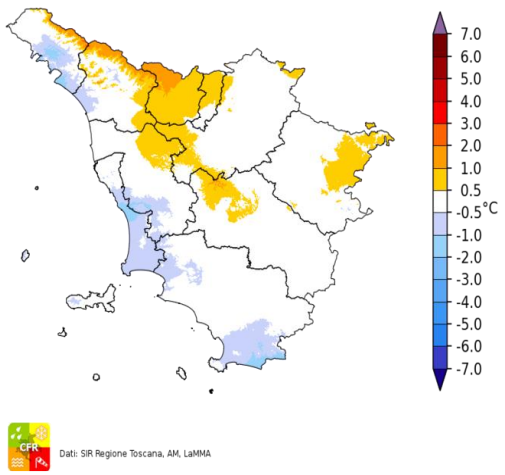
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 12/09/2021



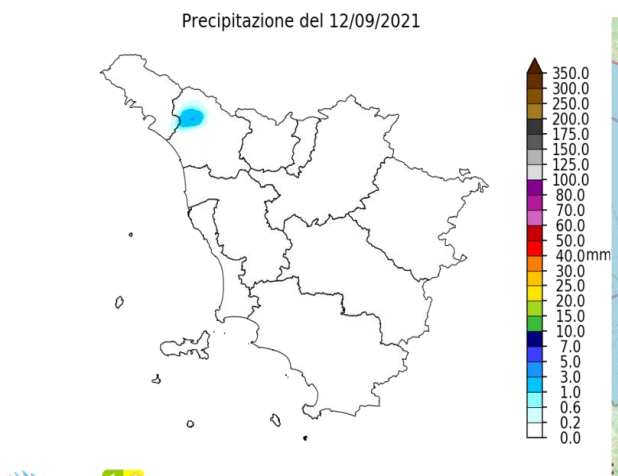
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 12/09/2021 e 11/09/2021



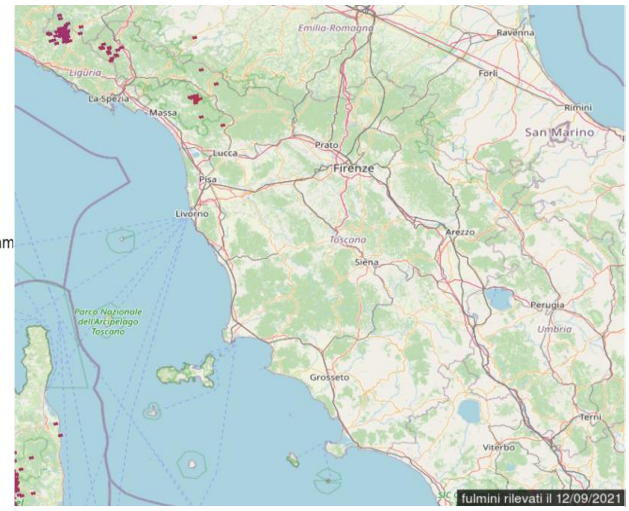
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 12/09/2021



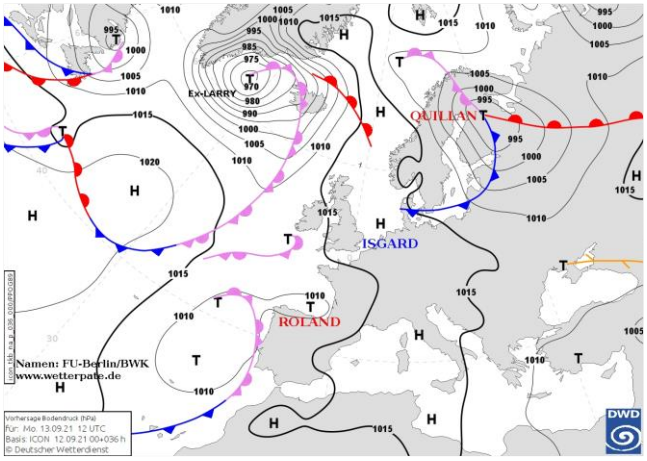
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 12 Settembre

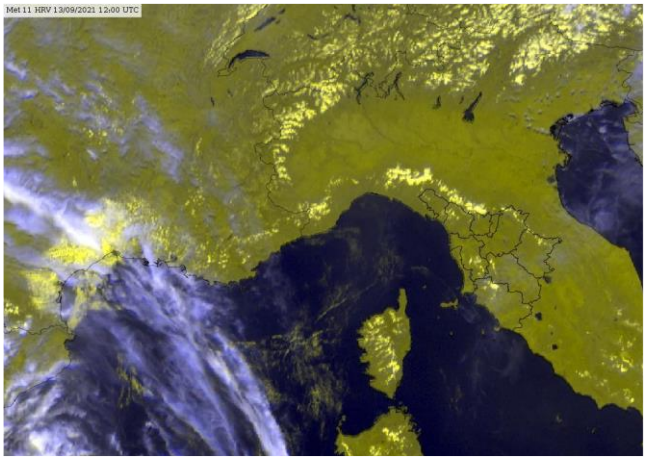


Lunedi' 13 Settembre 2021

Situazione: alta pressione di matrice africana.

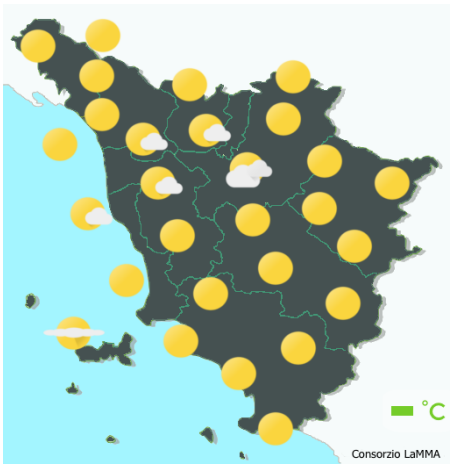


Pressione al suolo e fronti del 13 Settembre alle 12 UTC



Meteosat HRV del 13 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso.

Fenomeni: locali rovesci pomeridiani sui rilievi.

Venti: occidentali, deboli nelle zone interne, a tratti moderati sulla costa.

Mari: generalmente poco mossi.

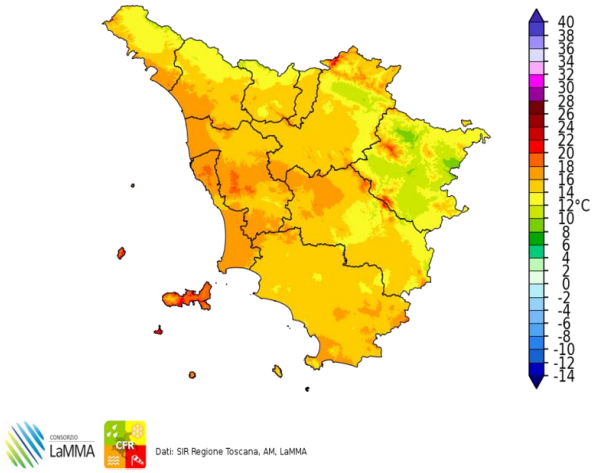
Temperature: in leggero calo.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	10	15	14	20	16	18	16	14	17	18
	anomalia*	-1	0	-1	3	1	2	1	0	1	3
T. max	osservata	32	33	32	26	29	26	28	30	32	31
	anomalia*	6	6	5	1	2	0	2	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

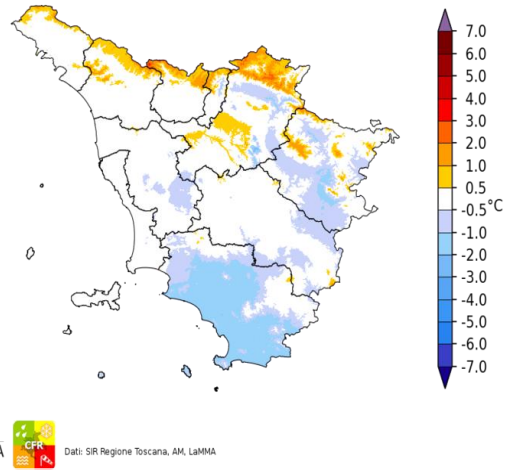
Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 13/09/2021



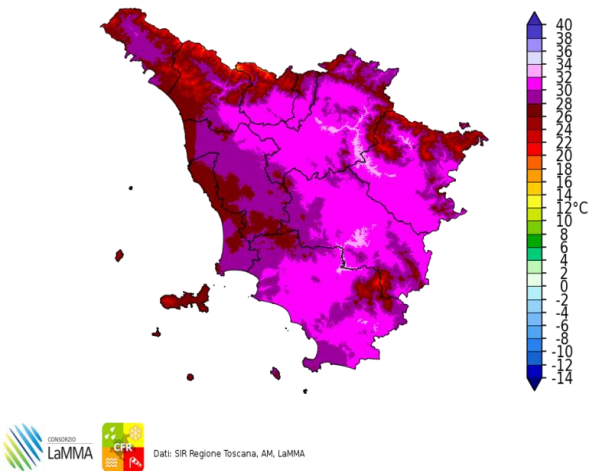
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 13/09/2021 e 12/09/2021



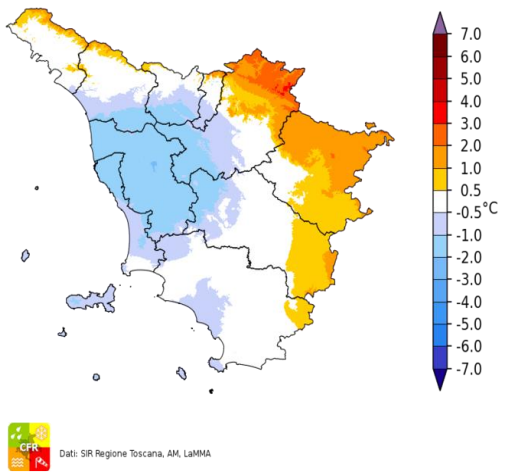
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 13/09/2021



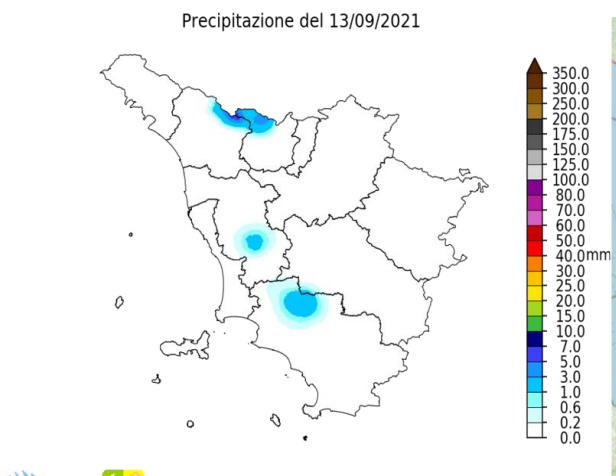
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 13/09/2021 e 12/09/2021



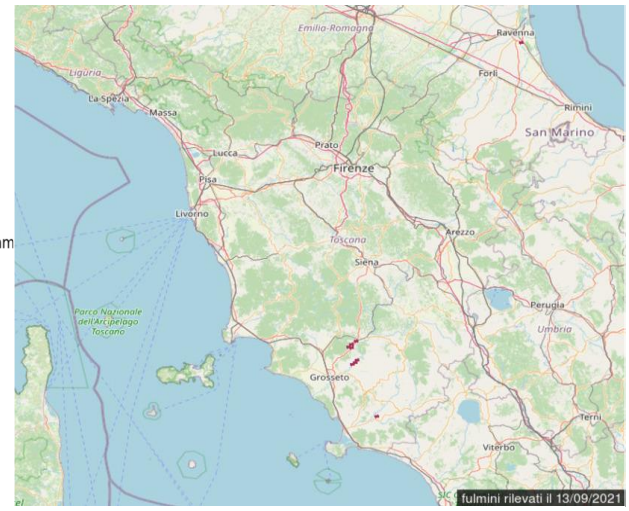
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 13/09/2021



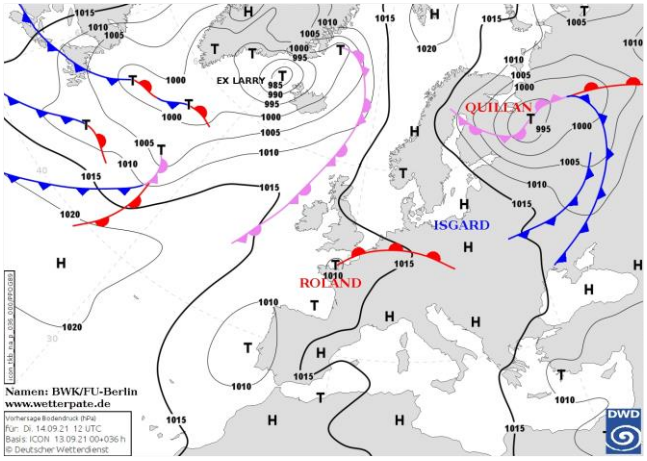
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 13 Settembre

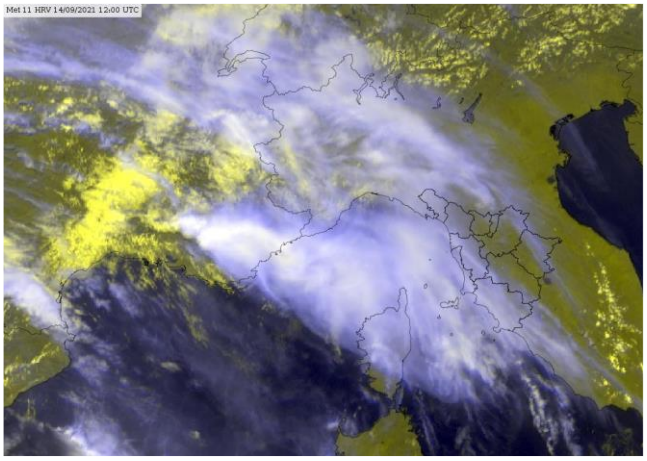


Martedi' 14 Settembre 2021

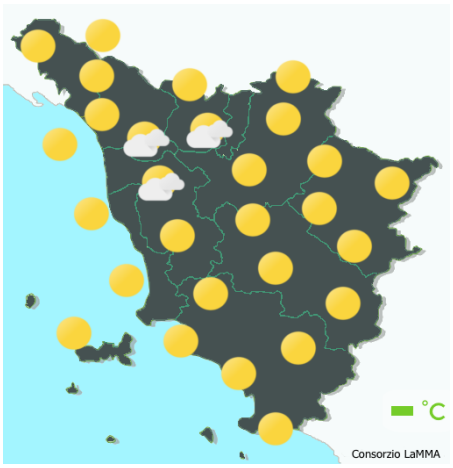
Situazione: il Mediterraneo centro-occidentale è interessato da un promontorio anticiclonico di matrice subtropicale che tende a spostare i propri massimi sull'Italia.



Pressione al suolo e fronti del 14 Settembre alle 12 UTC


Meteosat HRV del 14 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: inizialmente sereno o poco nuvoloso con velature in transito dal pomeriggio dal mare verso l'interno.

Fenomeni: nessuno.

Venti: deboli occidentali.

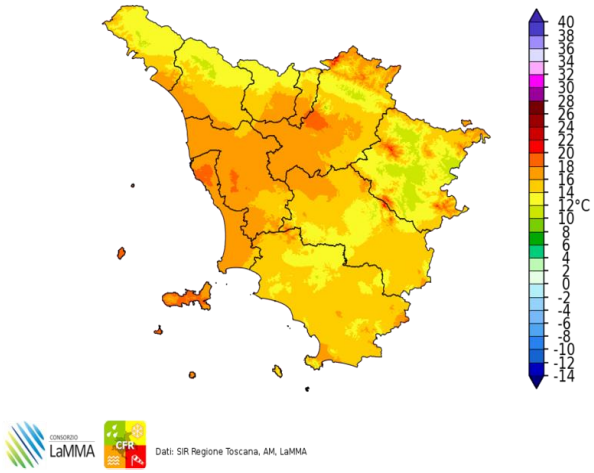
Mari: poco mossi.

Temperature: in locale aumento le massime, in generale diminuzione le massime.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	12	17	15	20	16	17	17	17	18	16
	anomalia*	0	3	0	3	2	1	2	3	2	1
T. max	osservata	31	31	29	25	28	26	27	29	30	30
	anomalia*	5	4	3	0	1	-1	2	2	3	5
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

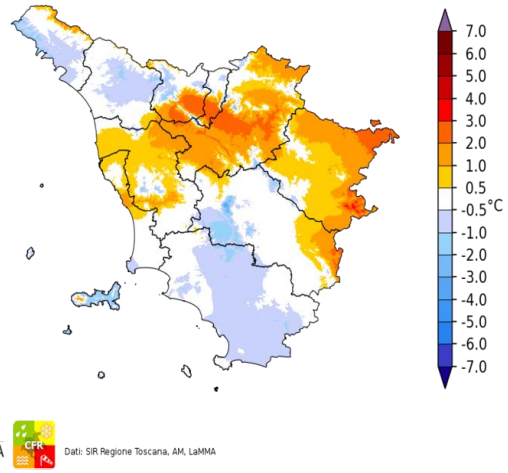
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 14/09/2021



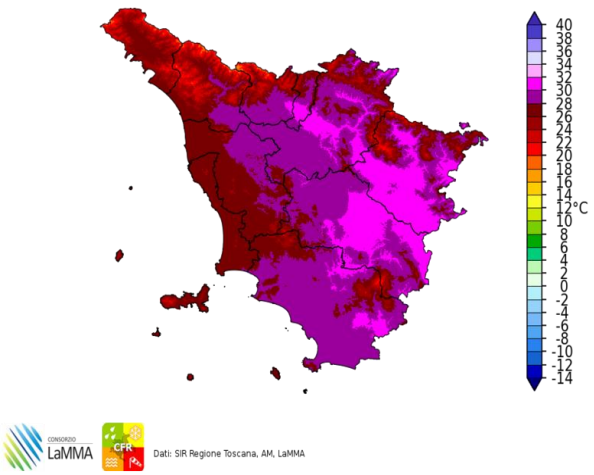
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 14/09/2021 e 13/09/2021



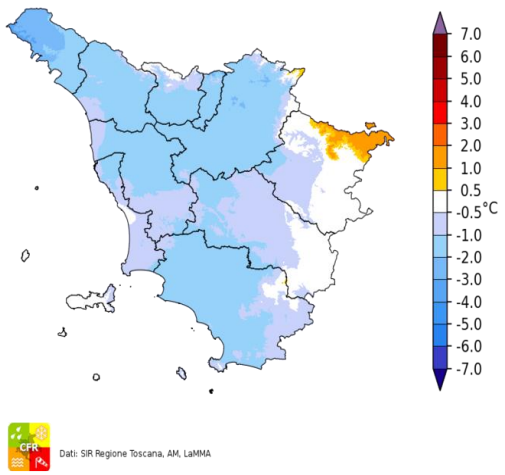
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 14/09/2021



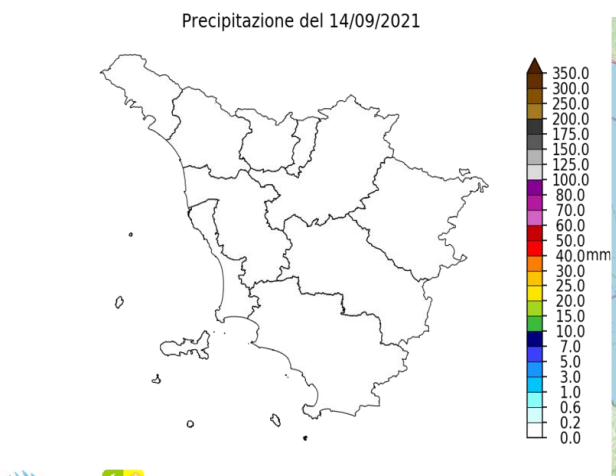
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 14/09/2021 e 13/09/2021



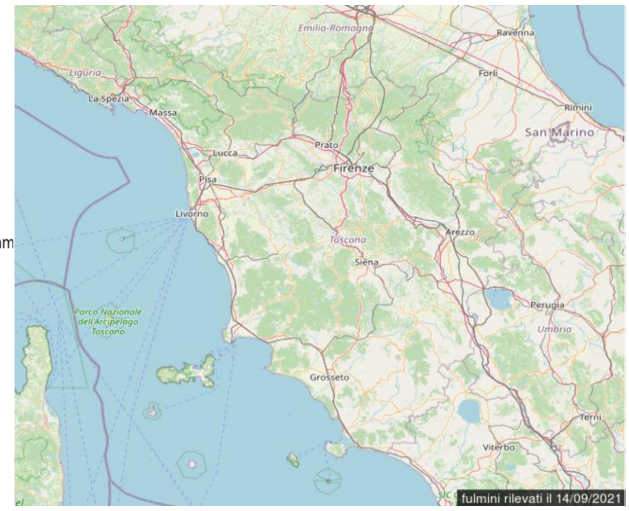
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 14/09/2021



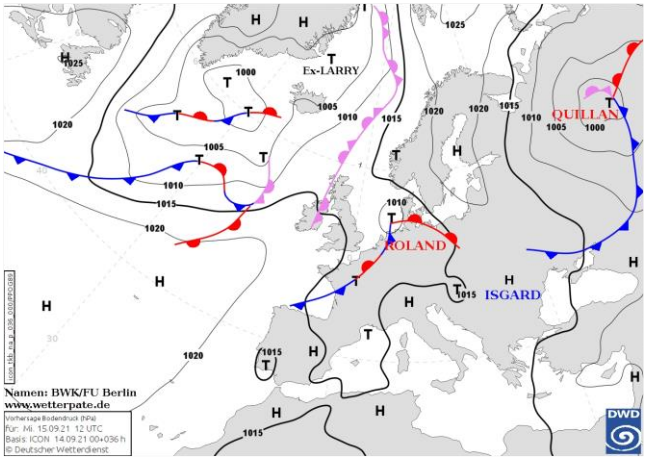
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 14 Settembre

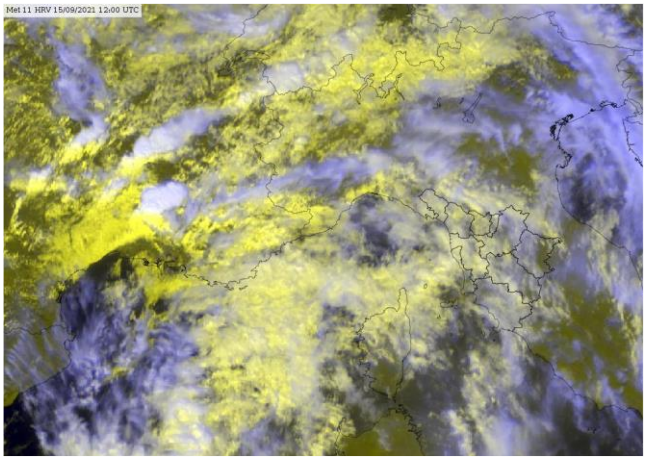


Mercoledi' 15 Settembre 2021

Situazione: pressione in progressivo calo per l'avvicinamento di una perturbazione.



Pressione al suolo e fronti del 15 Settembre alle 12 UTC



Meteosat HRV del 15 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: da parzialmente nuvoloso a nuvoloso.

Fenomeni: deboli precipitazioni isolate sulle zone occidentali della regione.

Venti: di Scirocco in graduale rinforzo fino a moderati nel pomeriggio su costa e Arcipelago.

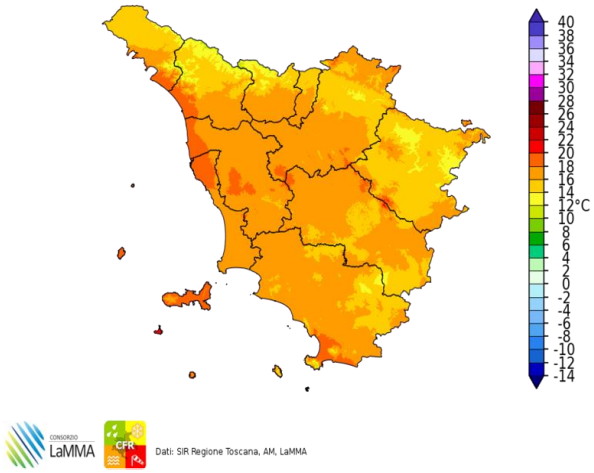
Mari: da poco mossi a mossi.

Temperature: massime in aumento, minime in calo.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	14	17	17	20	17	20	18	18	19	18
	anomalia*	3	3	2	3	3	4	3	4	3	3
T. max	osservata	29	30	28	26	27	26	28	27	28	26
	anomalia*	4	3	1	1	0	0	2	0	2	2
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

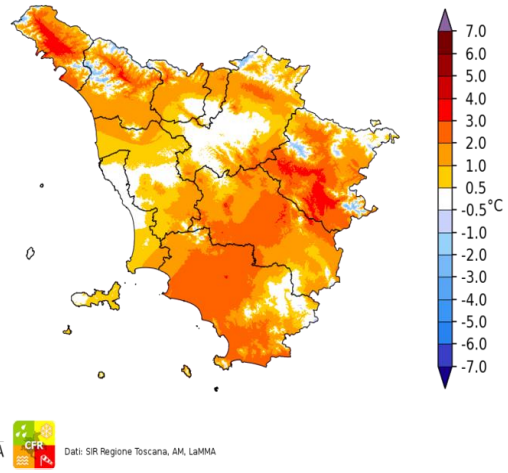
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 15/09/2021



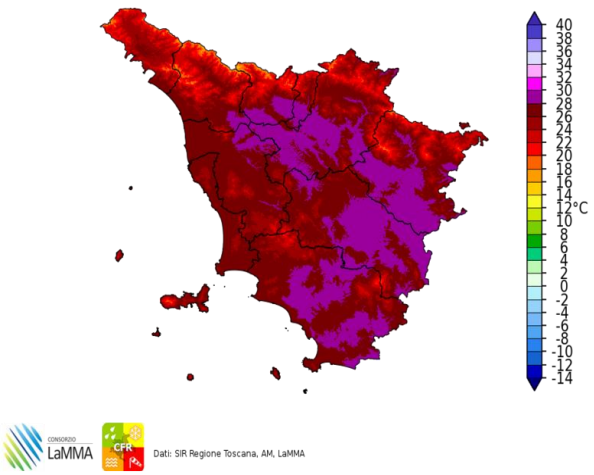
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 15/09/2021 e 14/09/2021



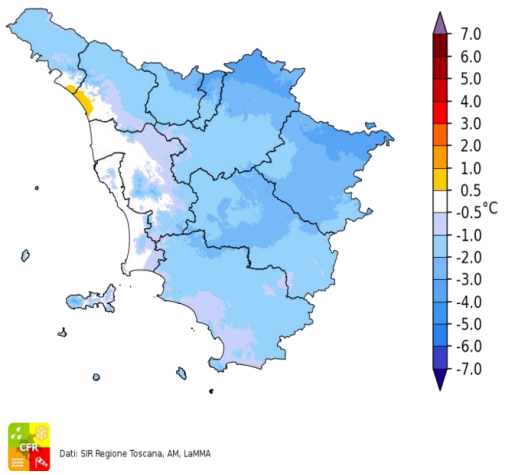
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 15/09/2021



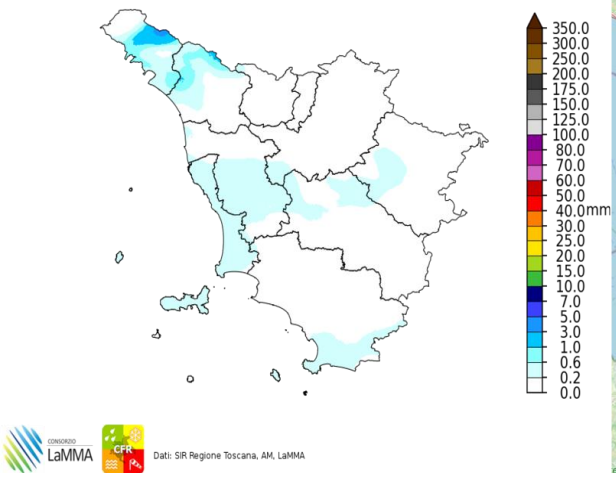
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 15/09/2021 e 14/09/2021



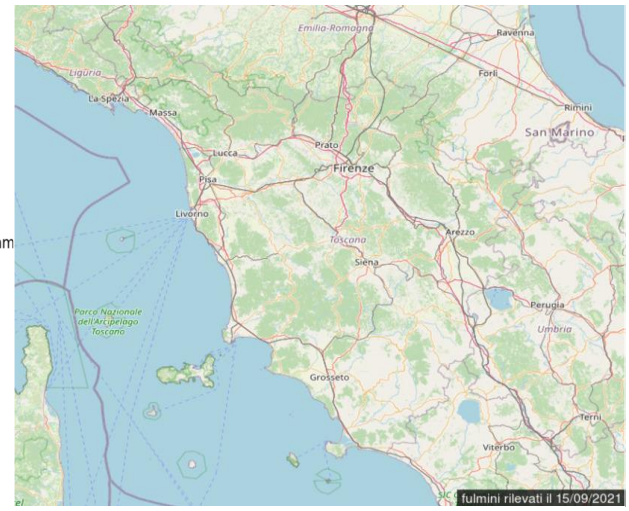
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 15/09/2021



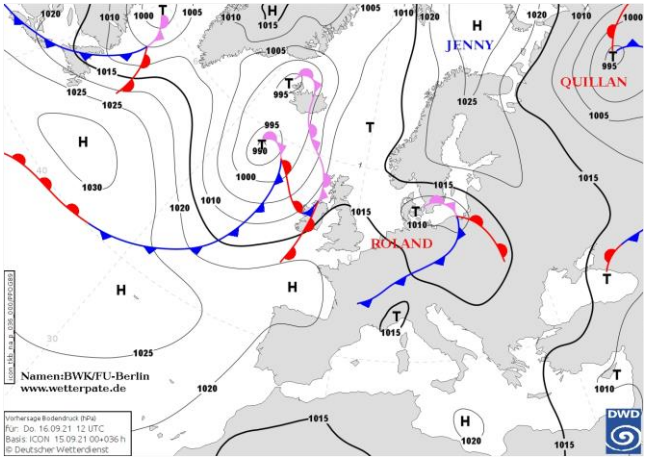
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 15 Settembre

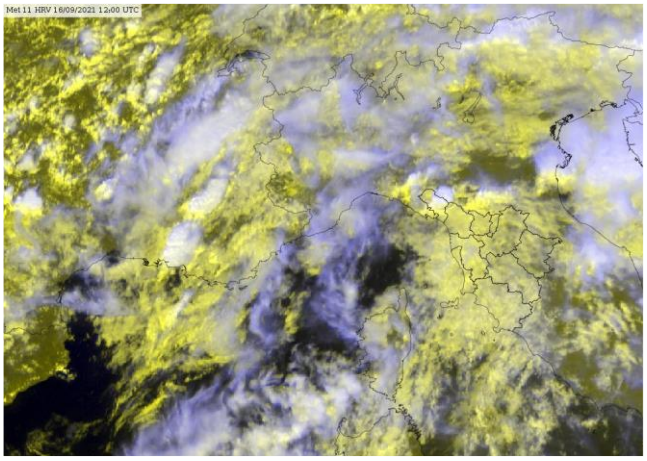


Giovedi' 16 Settembre 2021

Situazione: pressione in progressivo calo per l'avvicinamento di una perturbazione.



Pressione al suolo e fronti del 16 Settembre alle 12 UTC


Meteosat HRV del 16 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: irregolarmente nuvoloso

Fenomeni: rovesci e temporali sparsi, più frequenti su Apuane e Appennino.

Venti: di Scirocco moderati, fino a forti sulla costa, in rotazione a Libeccio dal tardo pomeriggio.

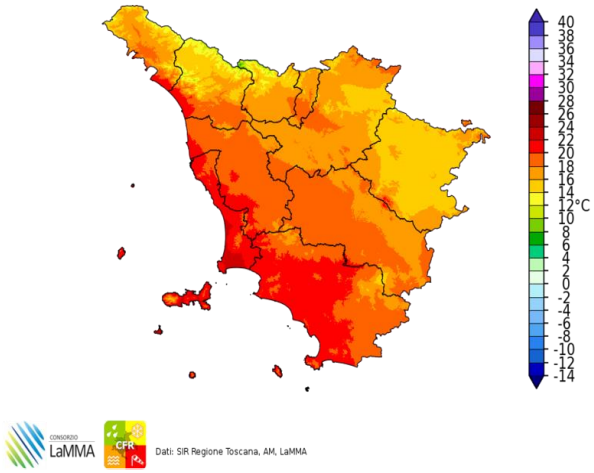
Mari: mossi.

Temperature: minime in aumento e massime in calo.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	14	18	22	23	19	21	19	18	20	19
	anomalia*	3	4	7	6	4	5	5	4	5	4
T. max	osservata	27	26	28	26	27	26	28	25	26	25
	anomalia*	1	-1	1	1	0	0	3	-2	0	0
Precipitazione (mm/24ore)		0	3	0	0	2	47	1	7	2	15

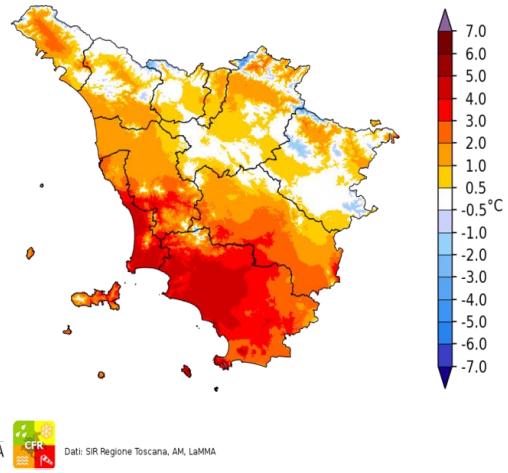
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 16/09/2021



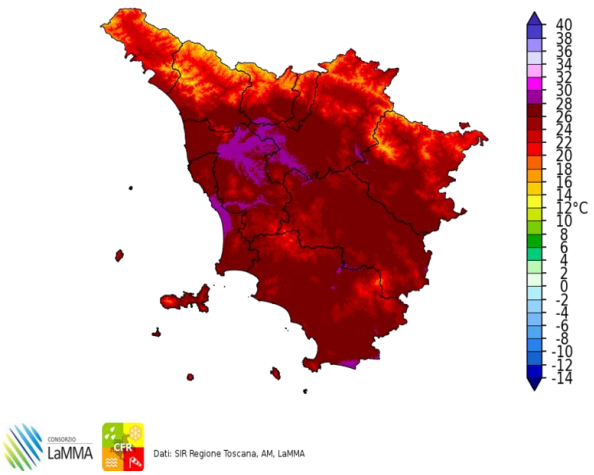
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 16/09/2021 e 15/09/2021



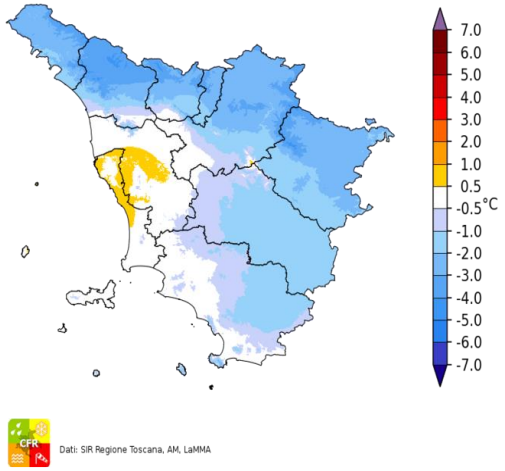
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 16/09/2021



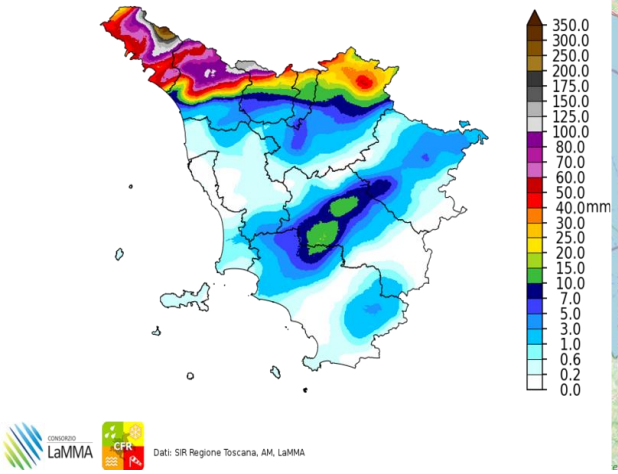
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 16/09/2021 e 15/09/2021



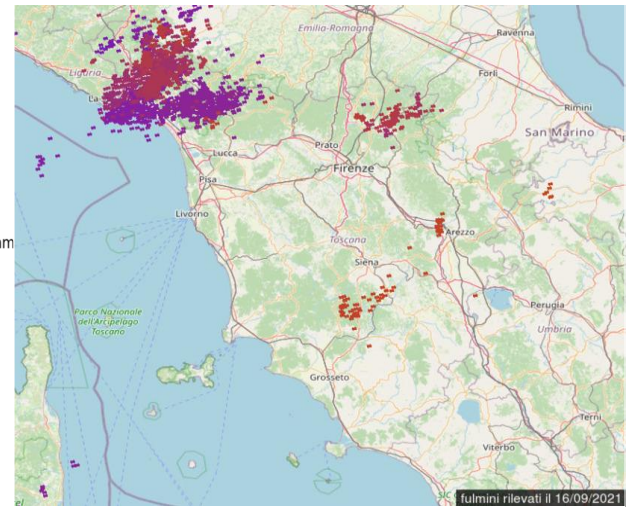
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 16/09/2021



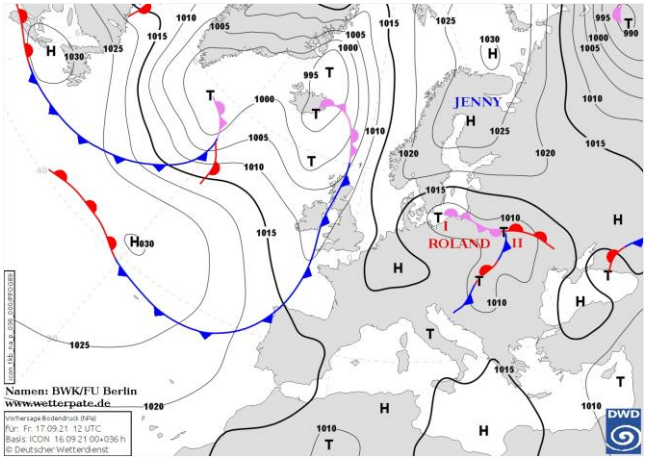
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 16 Settembre

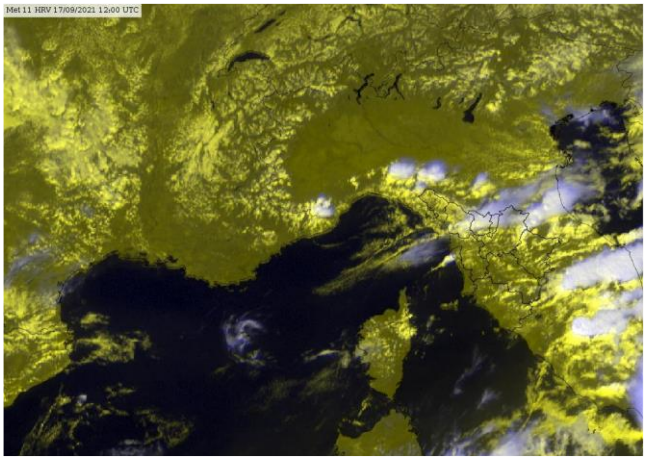


Venerdi' 17 Settembre 2021

Situazione: instabile.



Pressione al suolo e fronti del 17 Settembre alle 12 UTC



Meteosat HRV del 17 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: parzialmente nuvoloso a tratti nuvoloso soprattutto a ridosso dei rilievi settentrionali; schiarite lungo il litorale.

Fenomeni: precipitazioni sparse, anche temporalesche, sulle zone settentrionali, diffuse sul nord ovest; al sud isolati rovesci temporaleschi sul grossetano e sul senese.

Venti: di Libeccio, deboli sulle zone interne, moderati su costa e Arcipelago.

Mari: mossi, localmente molto mossi.

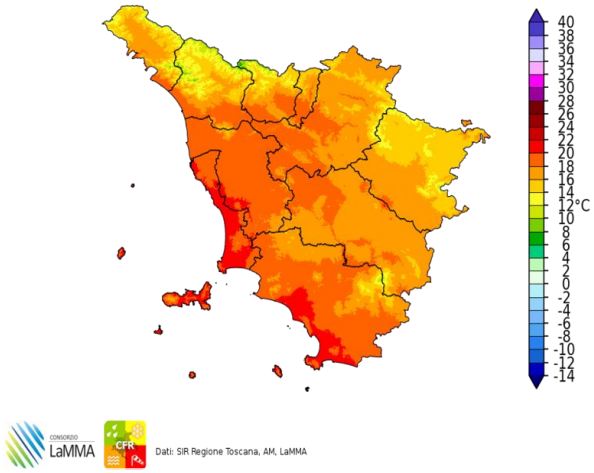
Temperature: in locale calo.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	19	19	17	23	19	19	19	18	19	19
	anomalia*	8	4	2	5	4	3	4	4	4	4
T. max	osservata	29	28	29	25	24	25	27	24	26	28
	anomalia*	3	1	2	0	-3	-1	1	-2	-1	3
Precipitazione (mm/24ore)		0	4	2	0	17	60	16	14	5	0

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

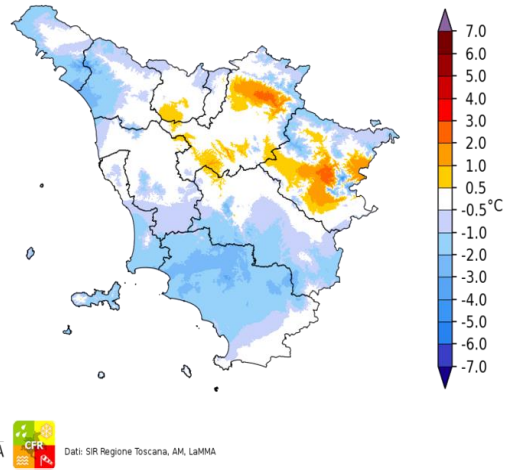
Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 17/09/2021



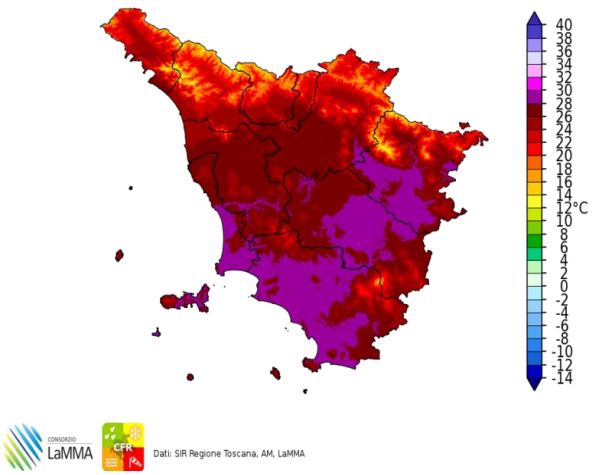
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 17/09/2021 e 16/09/2021



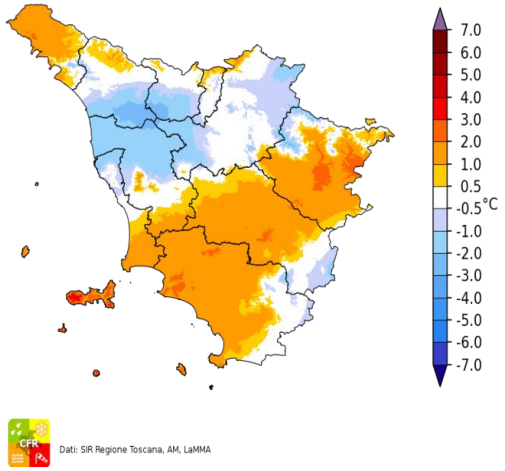
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 17/09/2021



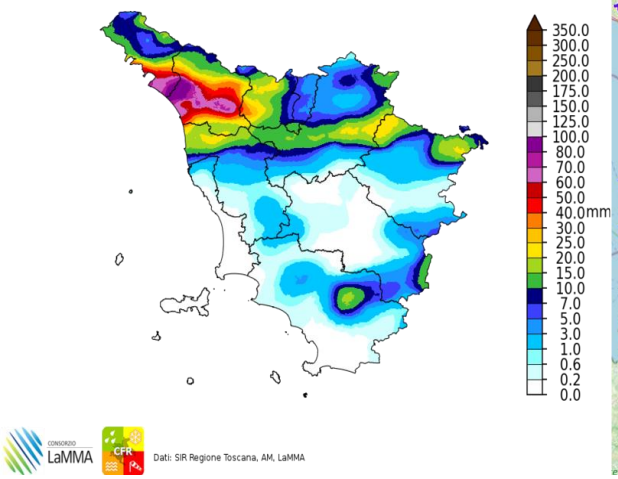
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 17/09/2021 e 16/09/2021



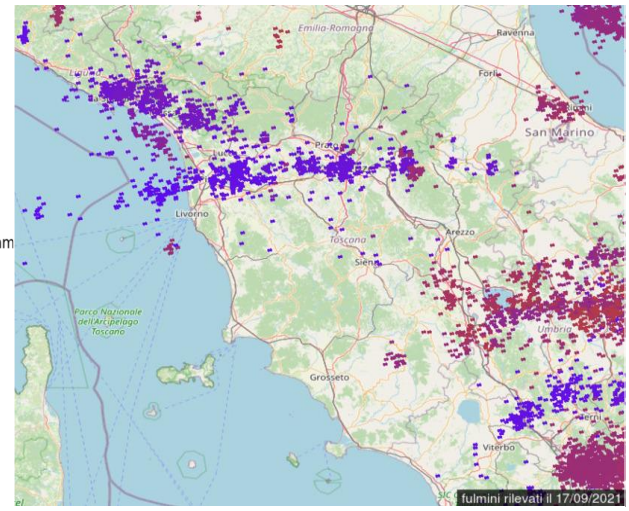
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 17/09/2021



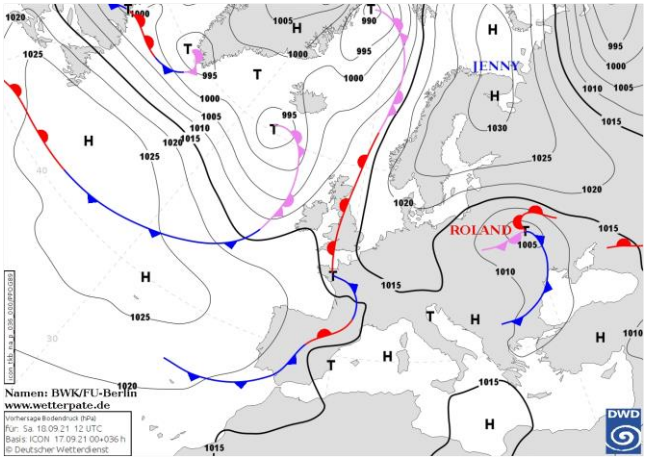
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 17 Settembre

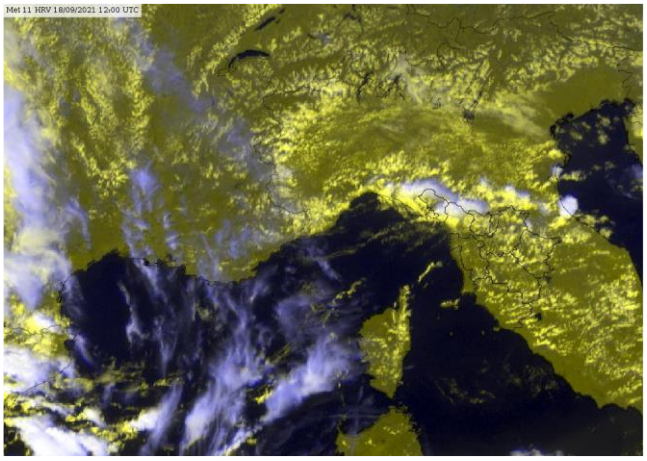


Sabato 18 Settembre 2021

Situazione: sul Mediterraneo centrale e sulla nostra Penisola è presente un flusso zonale con infiltrazioni di aria fresca in quota che determinano una debole instabilità.



Pressione al suolo e fronti del 18 Settembre alle 12 UTC


Meteosat HRV del 18 Settembre alle 12 UTC

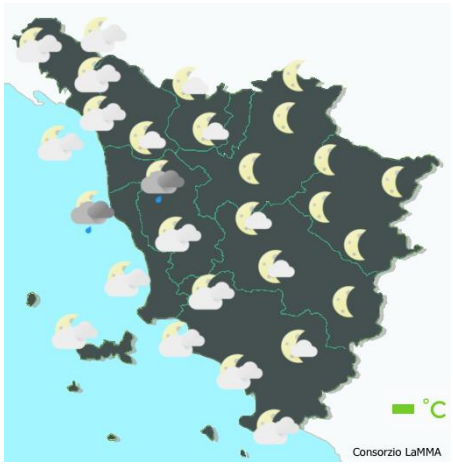
situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: poco o parzialmente nuvoloso con addensamenti più consistenti sulle zone settentrionali ed in particolare sul nord

Fenomeni: rovesci sparsi e locali temporali. Fenomeni più frequenti sulle zone montuose settentrionali.

Venti: di Libeccio, deboli sulle zone interne, moderati su costa e Arcipelago.

Mari: mossi, tendenti a poco mossi a sud dell'Elba.

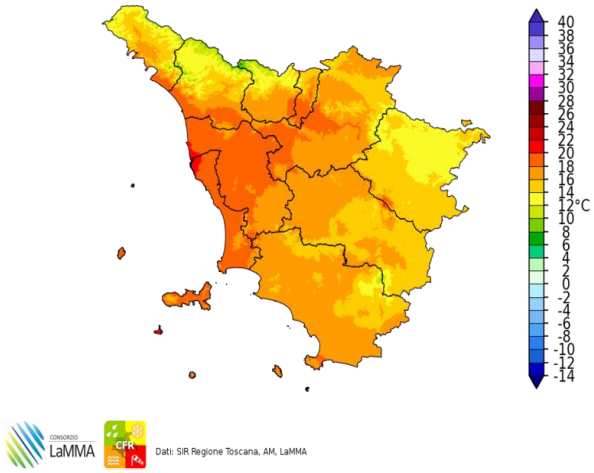
Temperature: minime in calo; massime in calo sul nord ovest e sulla fascia centrale, altrove in aumento.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	N.D.	17	17	23	18	19	18	17	20	17
	anomalia*	N.D.	2	2	5	3	3	3	3	4	2
T. max	osservata	N.D.	28	30	26	27	25	27	26	27	28
	anomalia*	N.D.	1	3	1	0	-1	1	-1	0	3
Precipitazione (mm/24ore)		N.D.	2	0	0	4	35	9	23	1	0

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

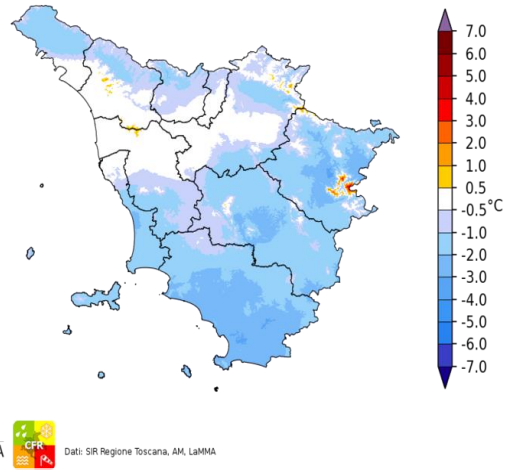
Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 18/09/2021



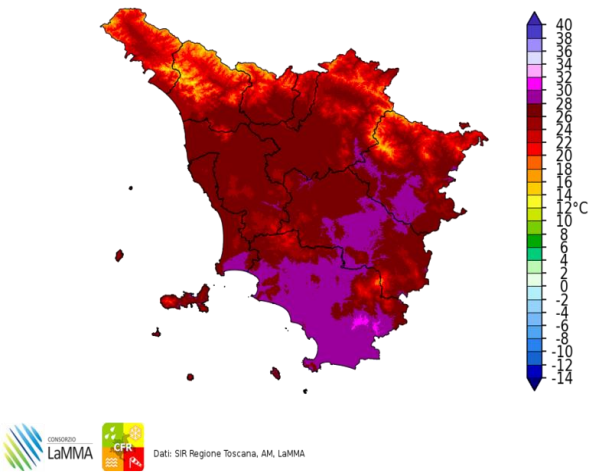
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 18/09/2021 e 17/09/2021



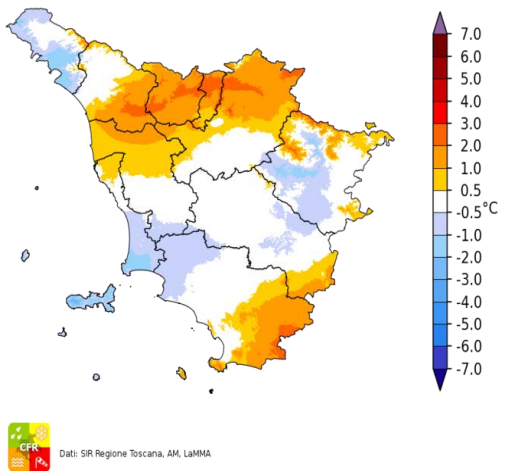
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 18/09/2021



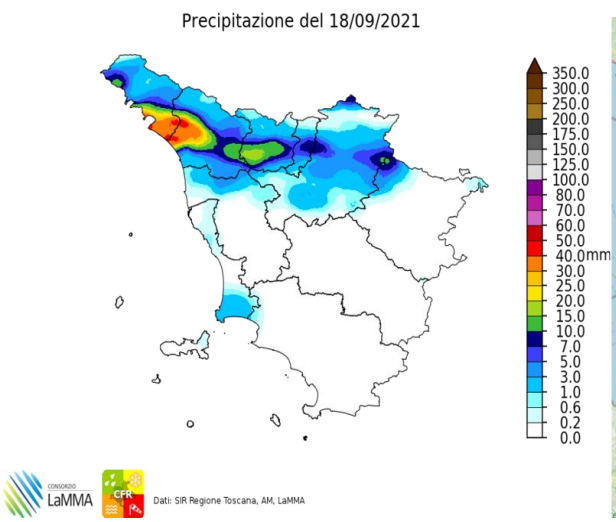
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 18/09/2021 e 17/09/2021



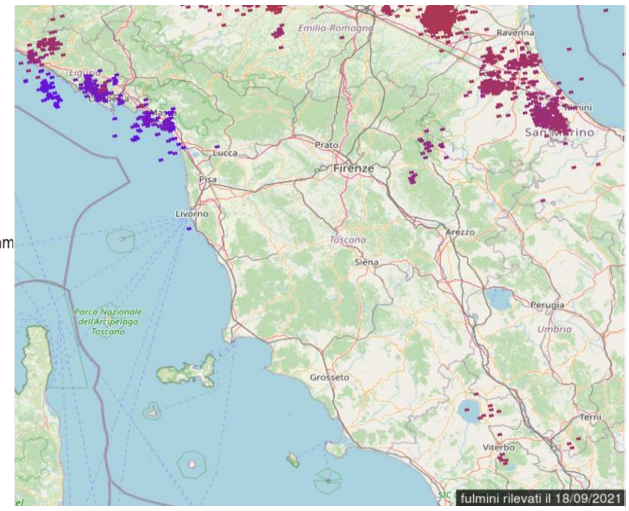
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 18/09/2021



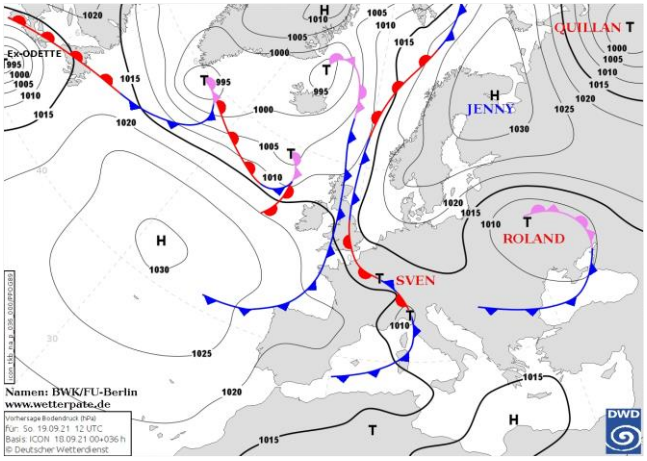
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 18 Settembre

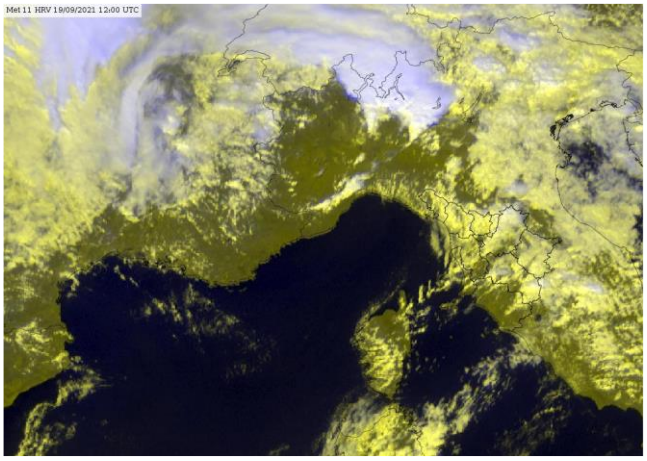


Domenica 19 Settembre 2021

Situazione: minimo sul Ligure e veloce perturbazione in transito.



Pressione al suolo e fronti del 19 Settembre alle 12 UTC


Meteosat HRV del 19 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: generalmente nuvoloso con addensamenti localmente consistenti.

Fenomeni: rovesci e locali temporali nelle prime ore del mattino sul nord-ovest, in trasferimento alle zone interne centro-settentrionali nel corso della giornata.

Venti: di Libeccio, deboli o moderati sulle zone interne, fino a localmente forti sulla costa.

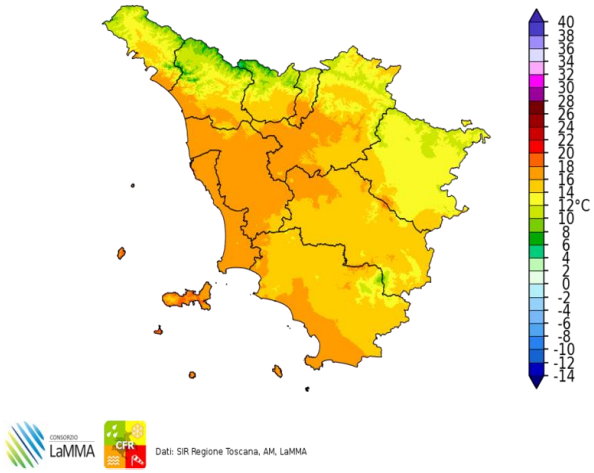
Mari: moto ondoso in aumento fino a mossi a sud dell'Elba, molto mossi o localmente agitati altrove.

Temperature: in calo.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	N.D.	14	17	20	16	18	18	15	16	16
	anomalia*	N.D.	0	2	3	2	2	3	1	1	1
T. max	osservata	N.D.	25	29	24	24	24	26	22	24	25
	anomalia*	N.D.	-2	2	-1	-3	-2	0	-4	-3	0
Precipitazione (mm/24ore)		N.D.	27	0	35	18	24	9	34	12	0

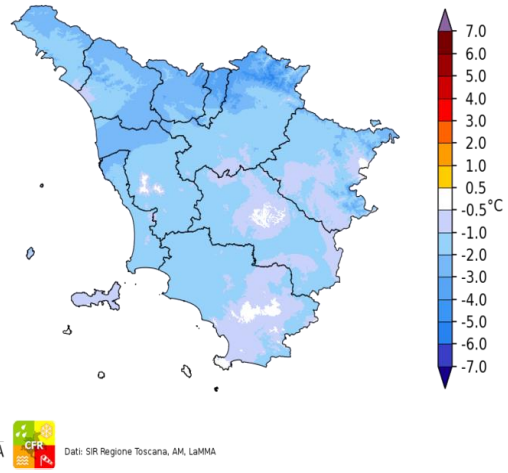
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 19/09/2021



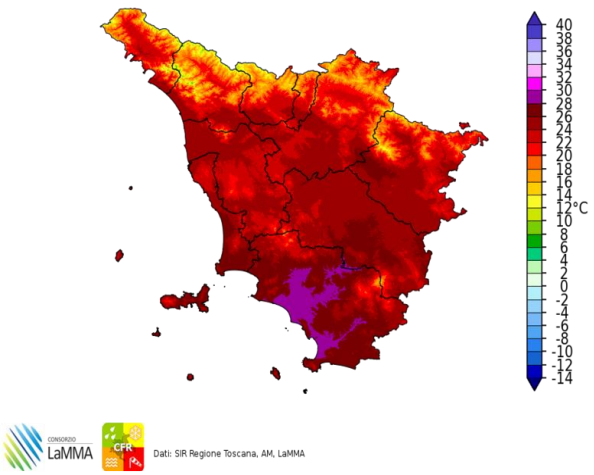
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 19/09/2021 e 18/09/2021



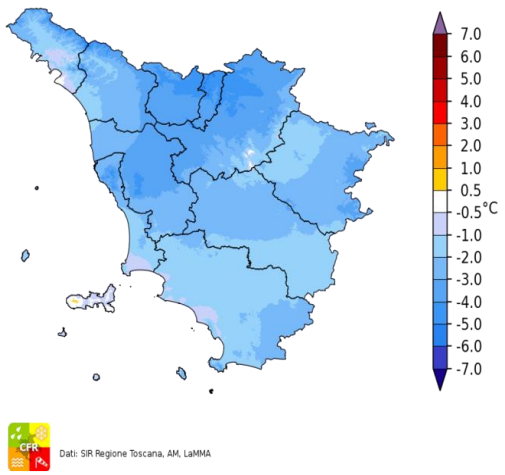
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 19/09/2021



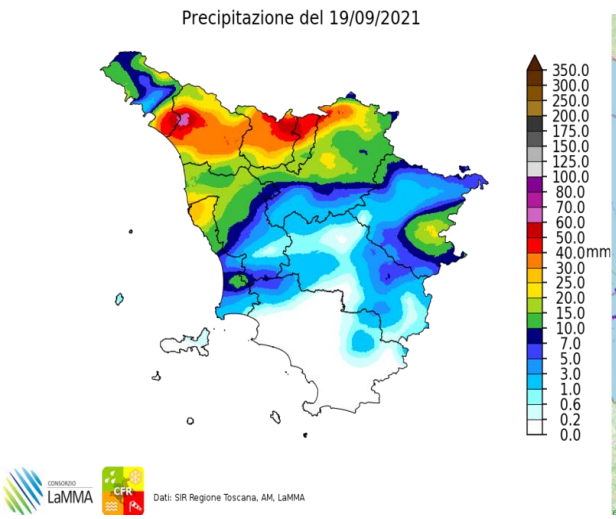
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 19/09/2021 e 18/09/2021



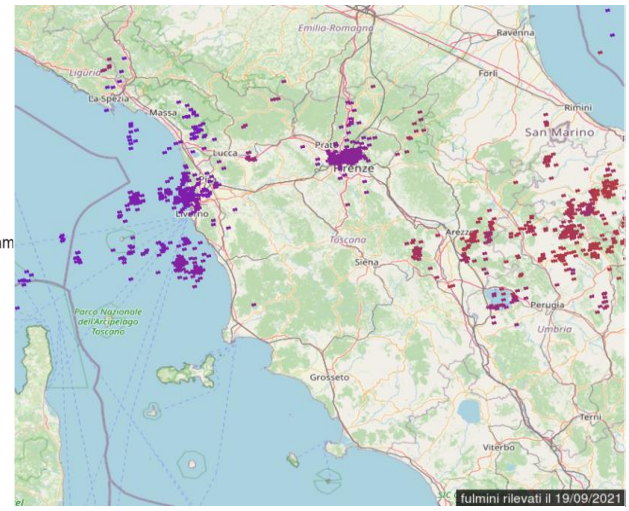
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 19/09/2021



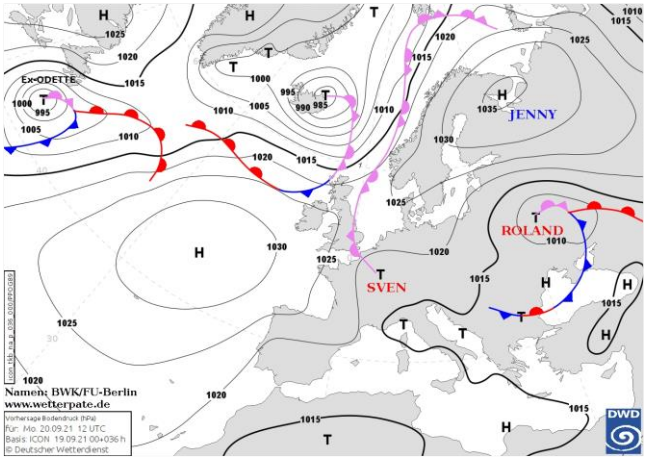
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 19 Settembre

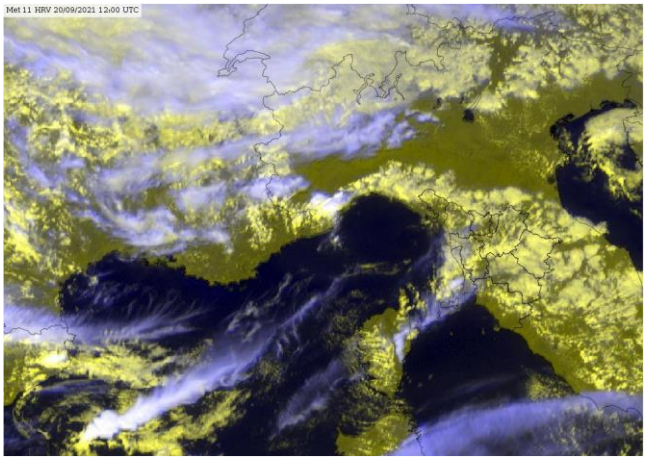


Lunedi' 20 Settembre 2021

Situazione: condizioni di marcata instabilità.



Pressione al suolo e fronti del 20 Settembre alle 12 UTC


Meteosat HRV del 20 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: parzialmente nuvoloso con addensamenti anche intensi.

Fenomeni: rovesci e temporali sparsi sulle zone centro settentrionali, miglioramento nel corso del pomeriggio.

Venti: deboli nelle zone interne, moderati occidentali sulla costa centro settentrionale.

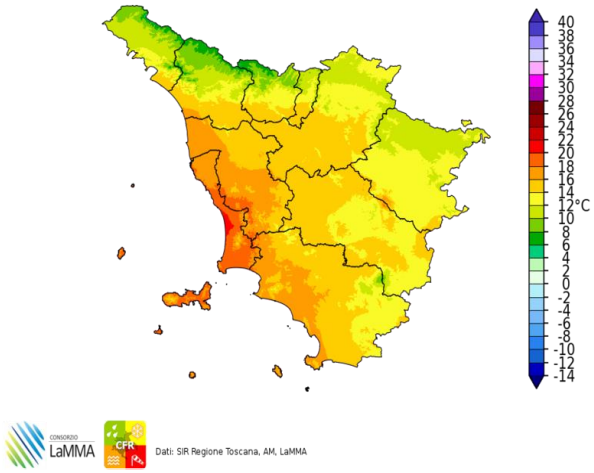
Mari: molto mossi a nord di Capraia; mossi altrove.

Temperature: minime in calo, massime in calo al sud e in aumento al nord.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	11	14	17	21	15	15	17	14	15	16
	anomalia*	0	0	2	4	1	-1	2	0	-1	1
T. max	osservata	24	25	28	24	24	24	25	25	26	22
	anomalia*	-2	-2	1	-1	-2	-2	-1	-2	-1	-2
Precipitazione (mm/24ore)		0	2	0	1	0	0	3	7	2	1

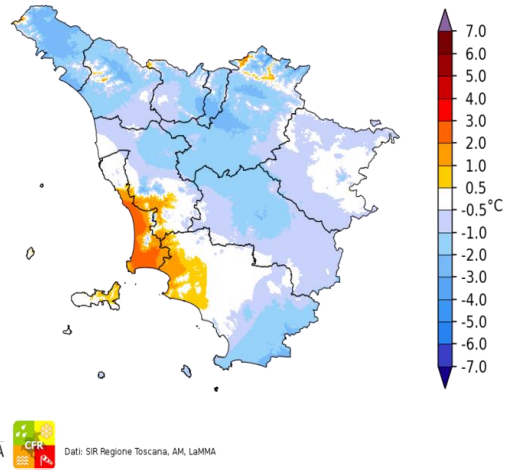
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 20/09/2021



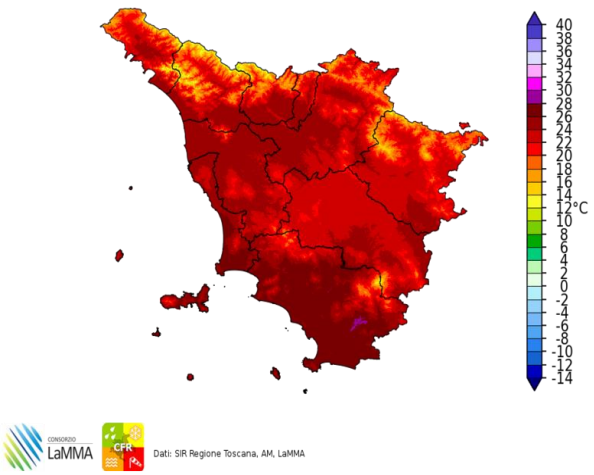
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 20/09/2021 e 19/09/2021



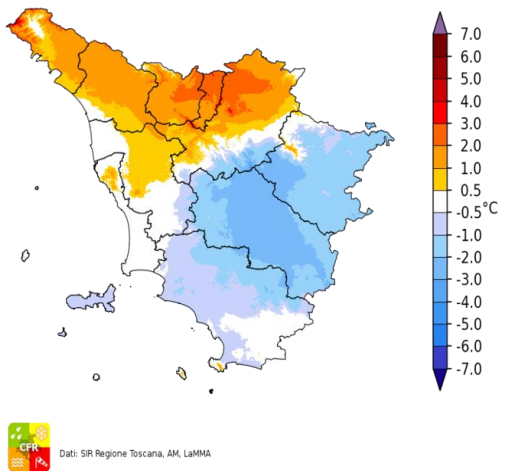
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 20/09/2021



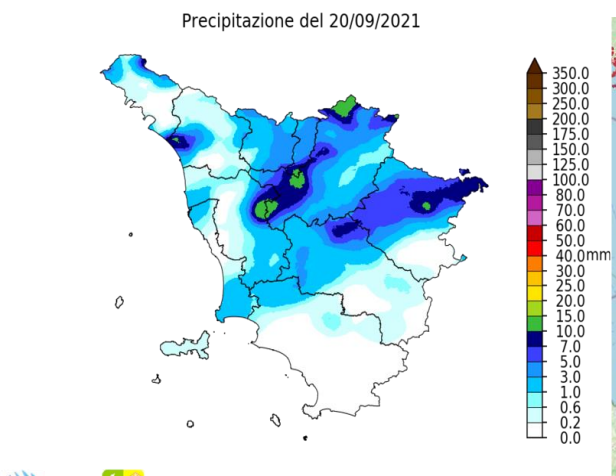
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 20/09/2021 e 19/09/2021



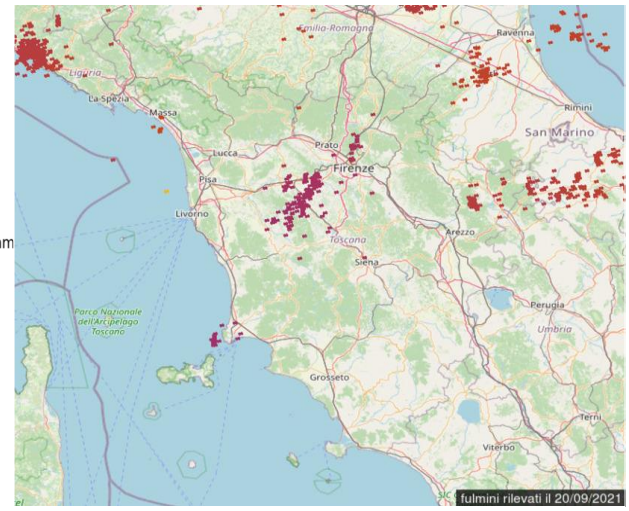
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 20/09/2021



Dati: SIR Regione Toscana, AM, LaMMA

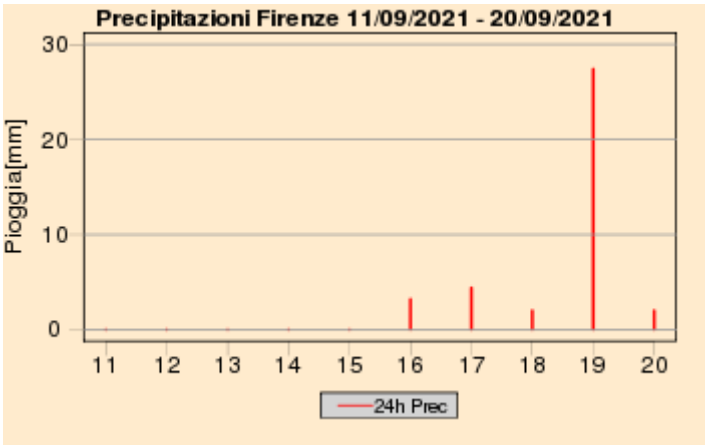
Fulminazioni osservate il giorno 20 Settembre

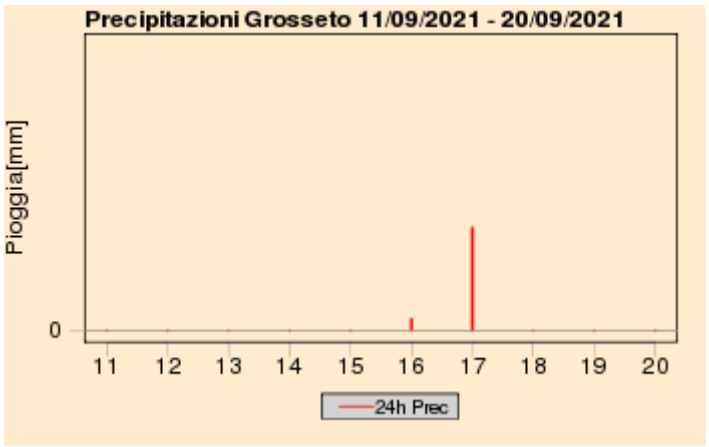


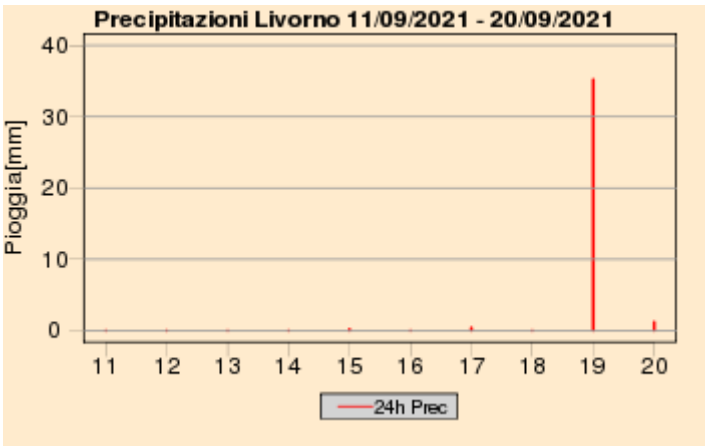
II decade - Quadro regionale – Precipitazioni

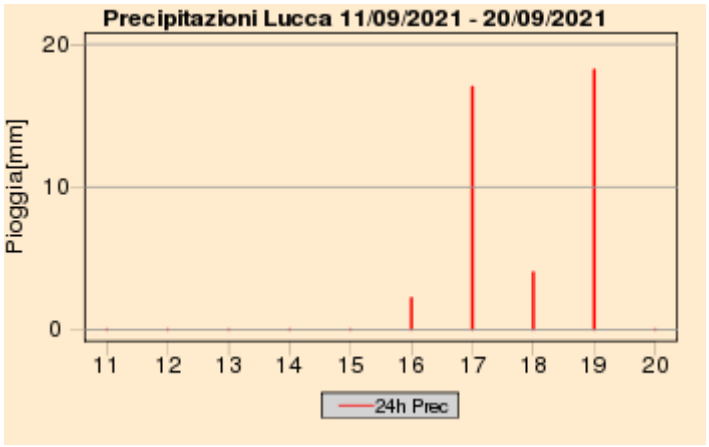
Nel corso della seconda decade di Settembre si è assistito alla rottura dal robusto campo di alta pressione che per settimane ha interessato la nostra regione proteggendola dai passaggi perturbati; a partire dal giorno 16 quindi si sono succeduti sulla toscana impulsi perturbati, per la verità non particolarmente strutturati, che hanno favorito l'occorrenza di precipitazioni sparse, decisamente più frequenti e abbondanti sulle zone settentrionali. Si sono infatti cumulati fino a oltre 100 mm sui rilievi nord occidentali con punte oltre i 200 su Apuane e Appennino lucchese; scarse o localmente assenti invece le precipitazioni registrate su ampie zone del grossetano e alcune del senese.

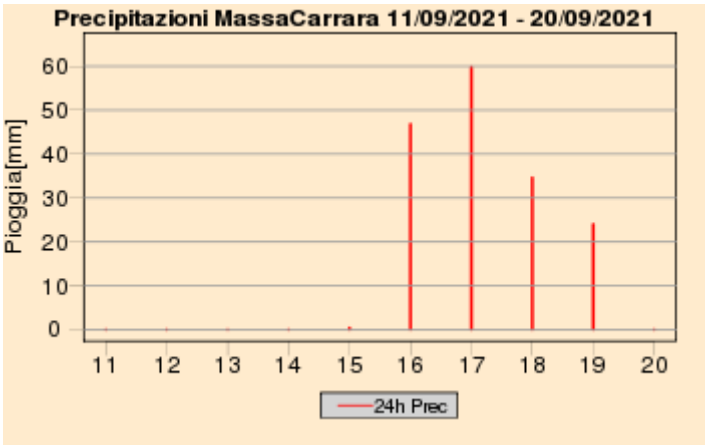


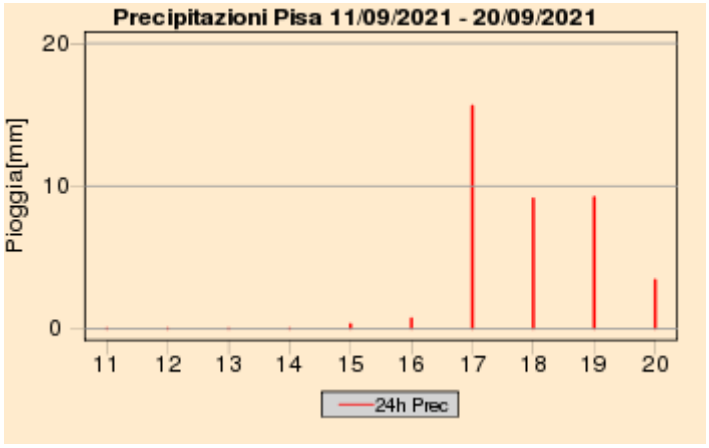


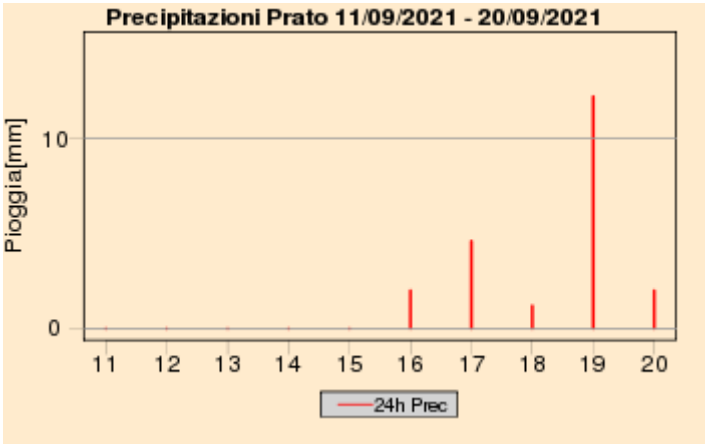


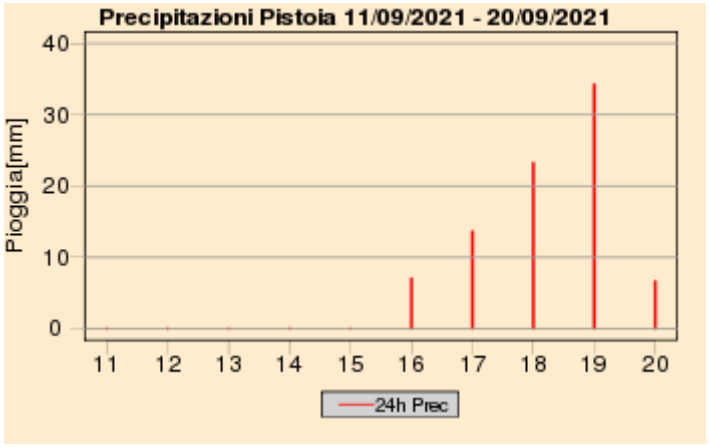






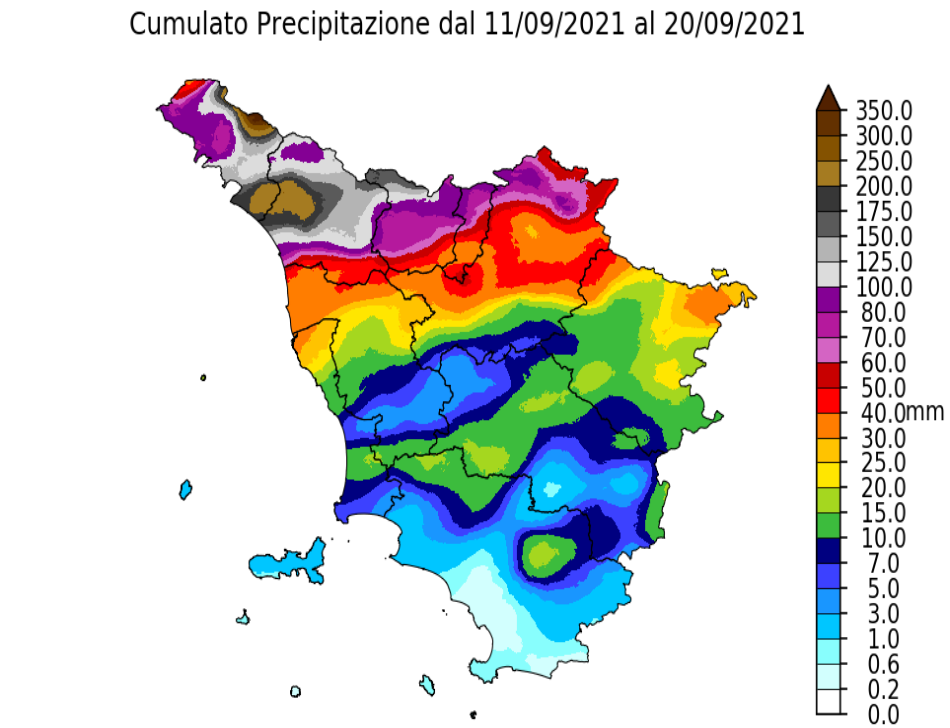






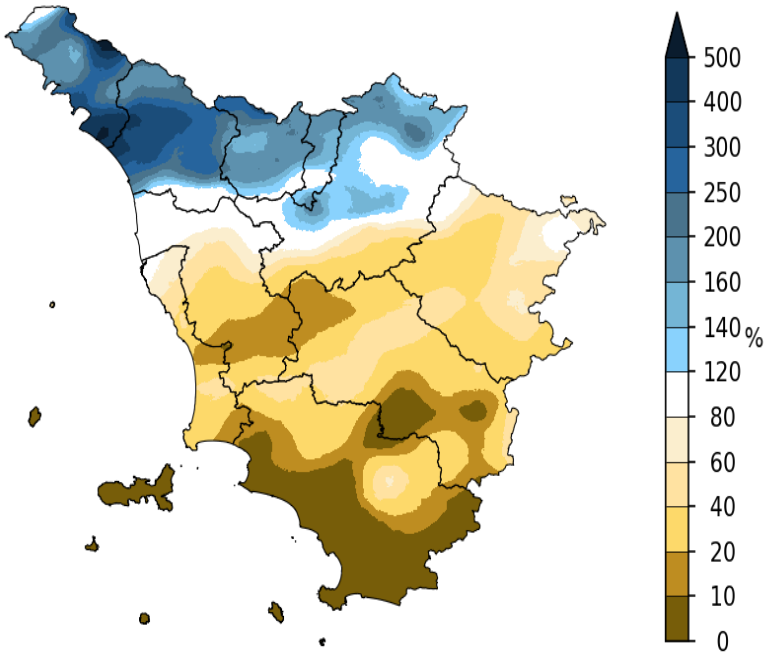


Quadro regionale – Cumulati decadali di precipitazione, anomalia di precipitazione e numero di giorni di pioggia



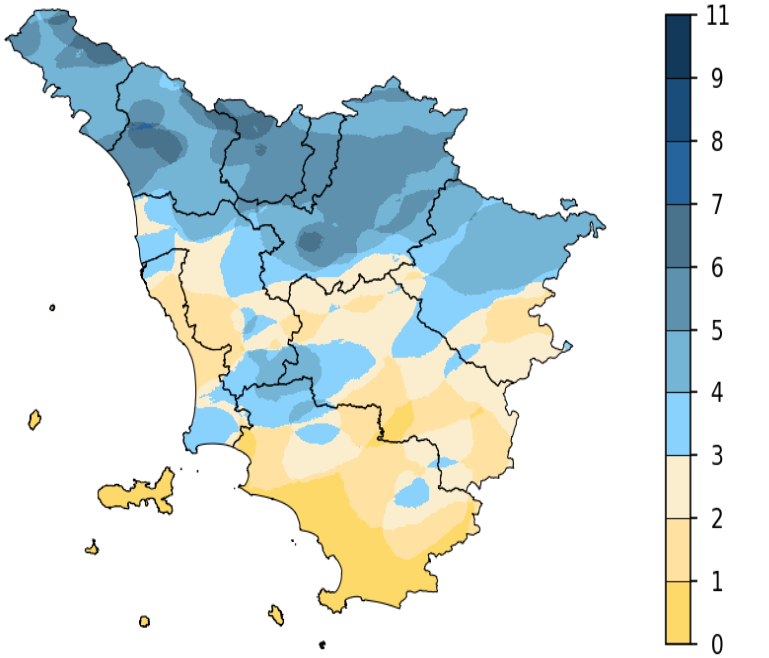
Dati: SIR Regione Toscana, AM, LaMMA

Percentuale di Precipitazione rispetto alla media climatica
dal 11/09/2021 al 20/09/2021



Dati: SIR Regione Toscana, AM, LaMMA

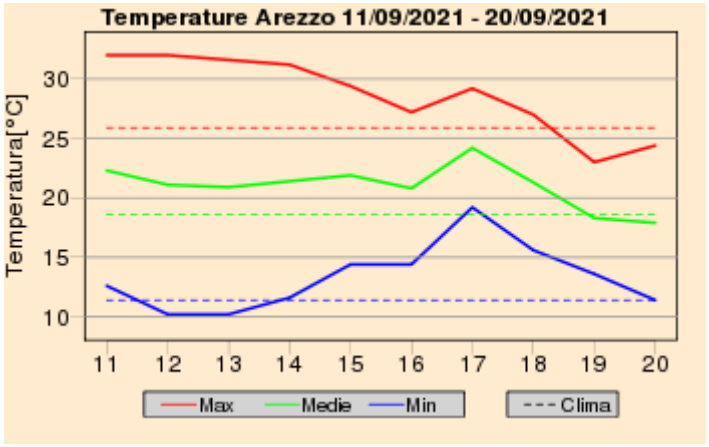
Giorni con Pioggia ≥ di 1 mm dal 11/09/2021 al 20/09/2021

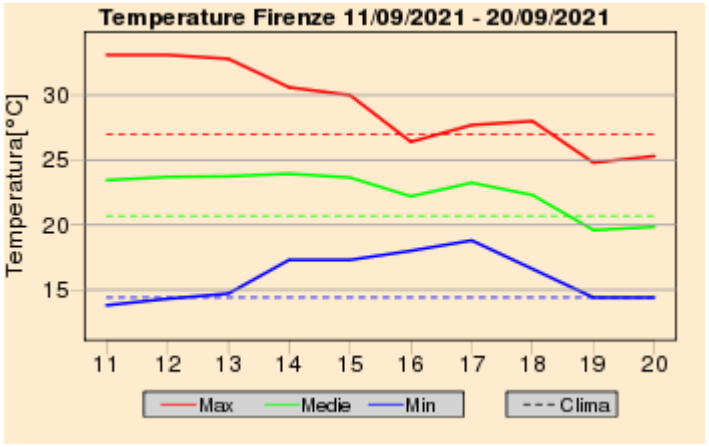


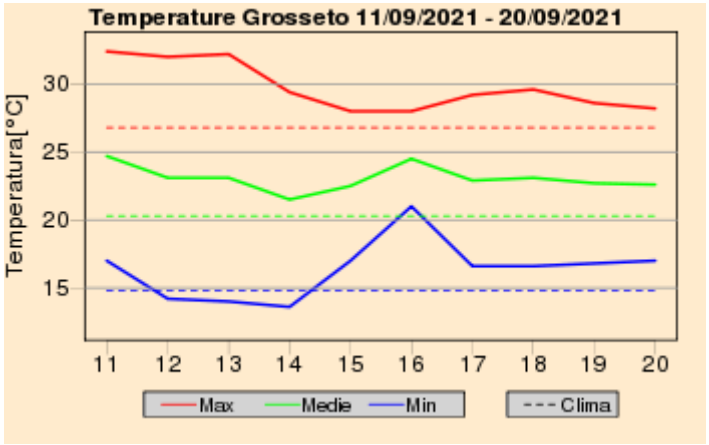
Dati: SIR Regione Toscana, AM, LaMMA

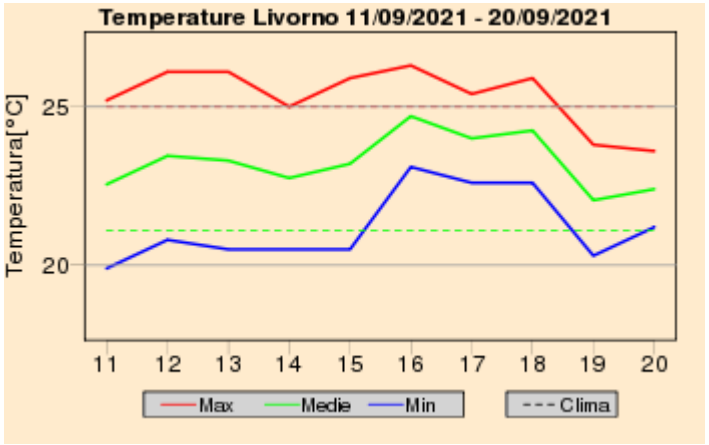
II decade - Quadro regionale - Temperature

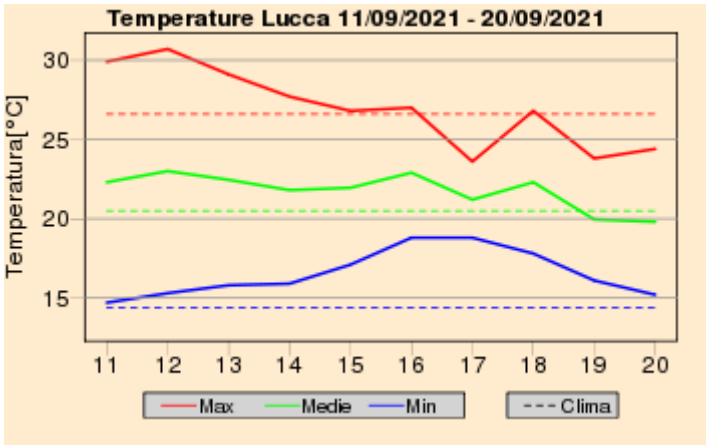
Dal punto di vista termico la seconda decade di Settembre ha fatto registrare temperature superiori alle medie con una anomalia compresa generalmente tra 1 e 2 gradi sia per i valori massimi che per quelli minimi giornalieri; nella prima parte della decade, caratterizzata da cieli prevalentemente sereni, si sono avute escursioni termiche giornaliere molto elevate, anche superiori a 20 gradi, con massimi sensibilmente sopra media e minime in media; nella seconda parte della decade, più perturbata e nuvolosa, si sono naturalmente ridotte molto le escursione termiche giornaliere con le massime che si sono mantenute decisamente più basse e inferiori alla medie a fine mese.

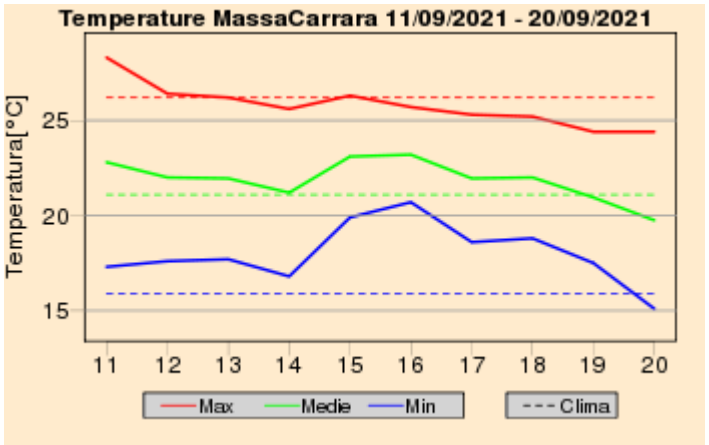


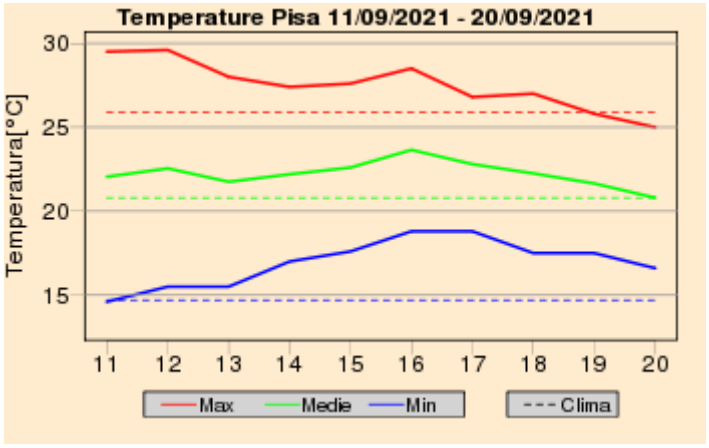


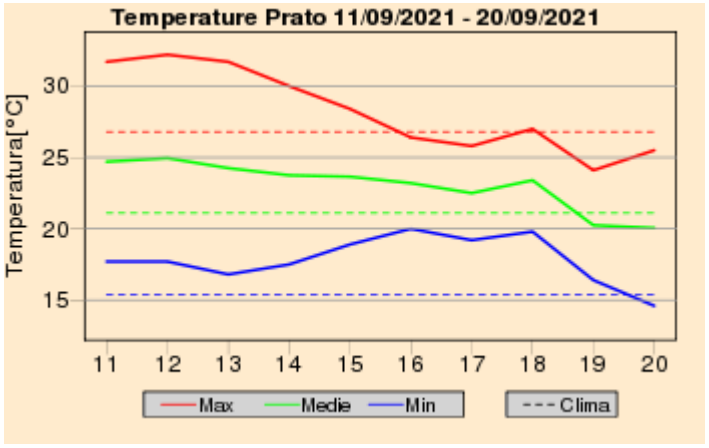


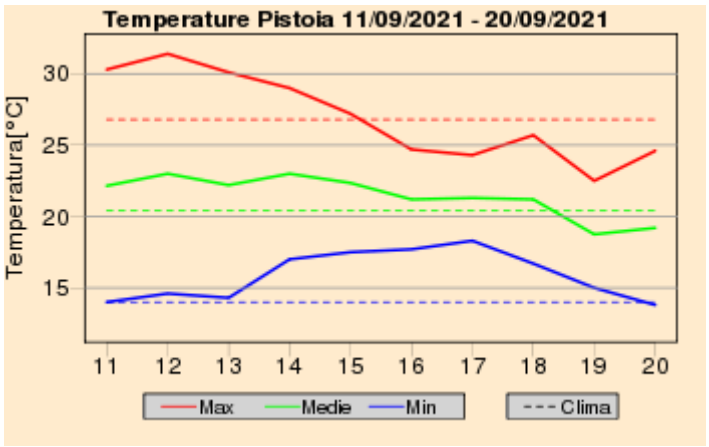


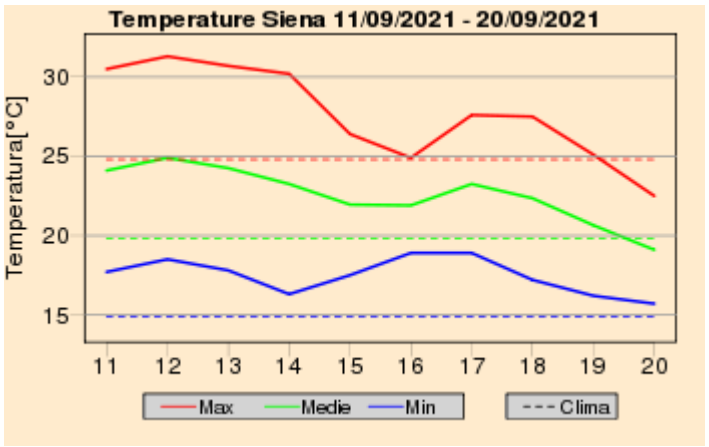




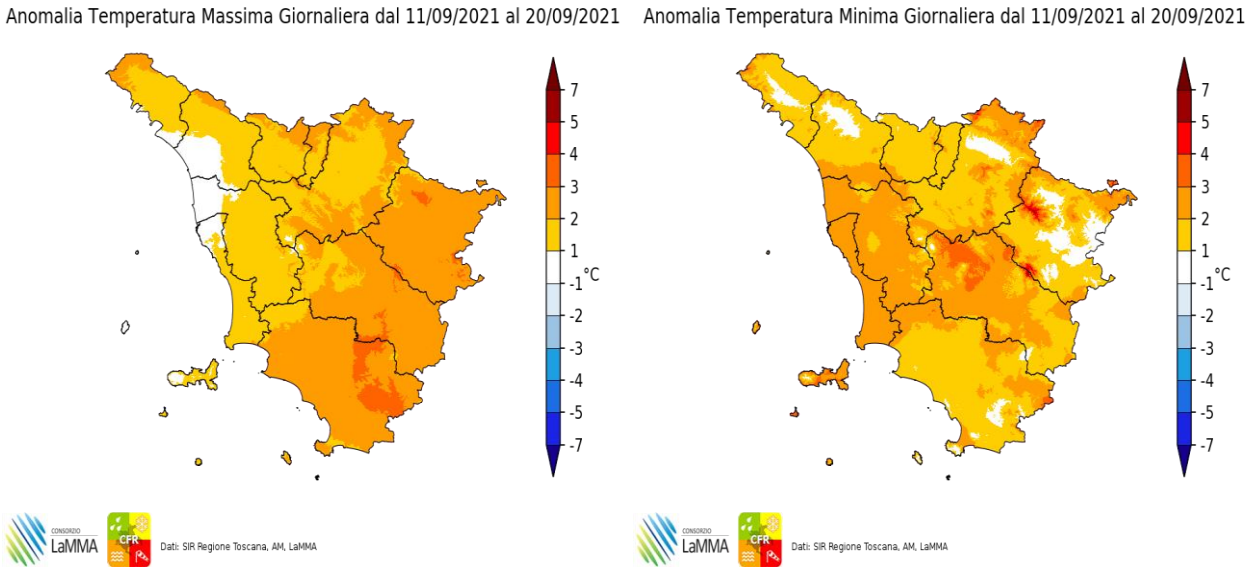








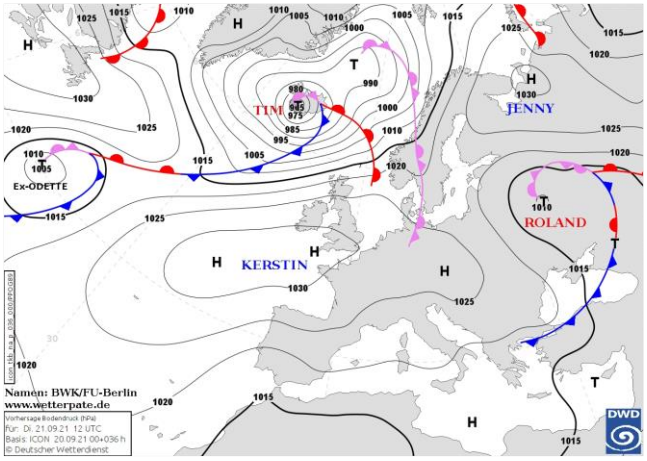
Quadro regionale – Anomalie termiche



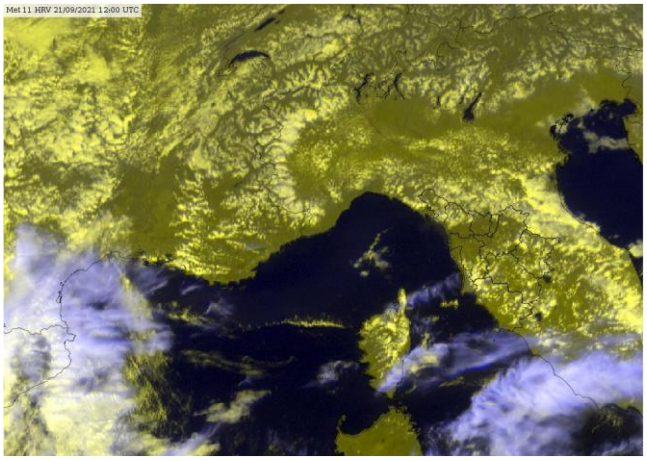
Anomalia termica decadale per le temperature massime e minime giornaliere

Martedi' 21 Settembre 2021

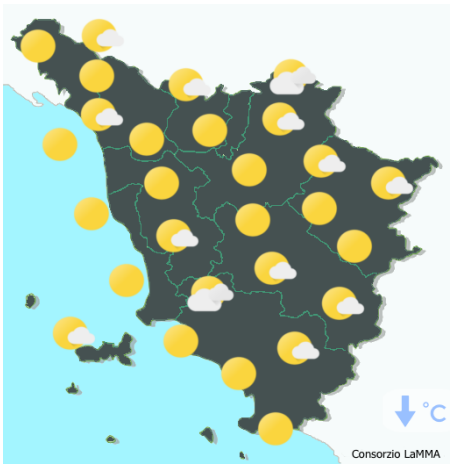
Situazione: pressione in aumento sull'Europa per l'espansione verso levante dell'anticiclone delle Azzorre.



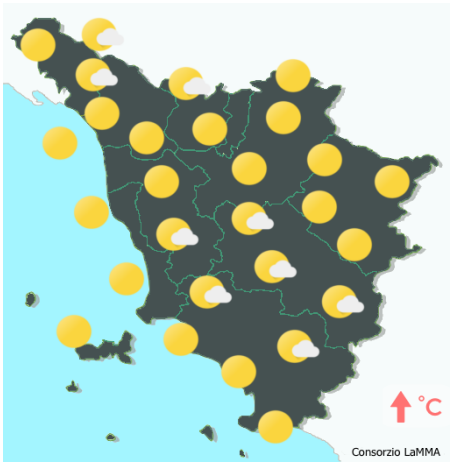
Pressione al suolo e fronti del 21 Settembre alle 12 UTC


Meteosat HRV del 21 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: poco nuvoloso o parzialmente nuvoloso.

Fenomeni: locali rovesci.

Venti: deboli variabili tendenti a disporsi a nord est e a rinforzare in serata soprattutto sulla costa.

Mari: mossi sul settore settentrionale, poco mossi a sud dell'Elba.

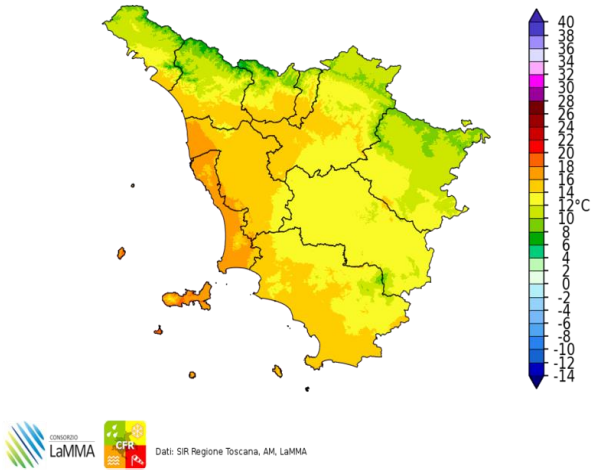
Temperature: minime in calo, massime in aumento.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	10	11	15	18	15	16	14	14	17	14
	anomalia*	-1	-3	1	2	1	1	0	1	2	0
T. max	osservata	26	26	28	26	26	25	27	25	25	25
	anomalia*	2	1	3	2	1	0	2	0	0	2
Precipitazione (mm/24ore)		0	0	0	0	0	0	2	0	0	0

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

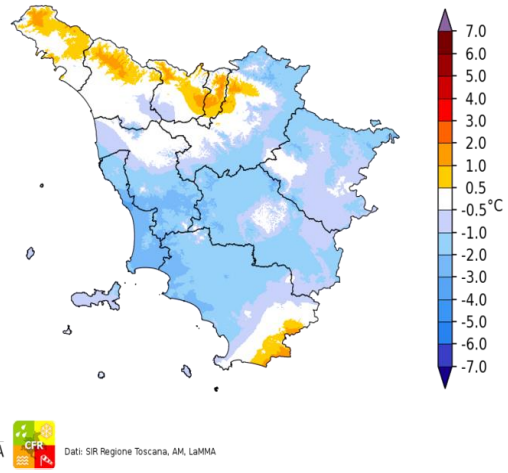
Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 21/09/2021



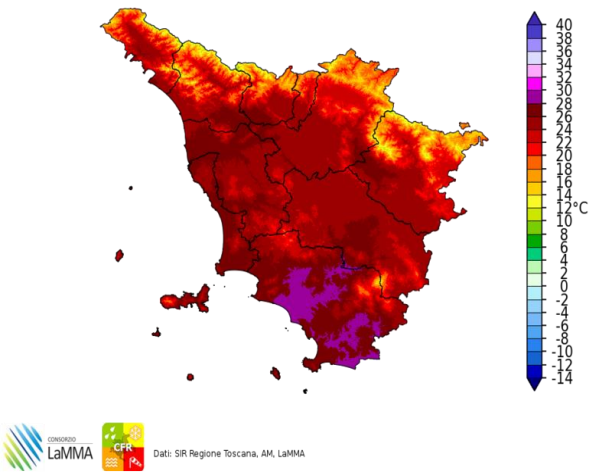
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 21/09/2021 e 20/09/2021



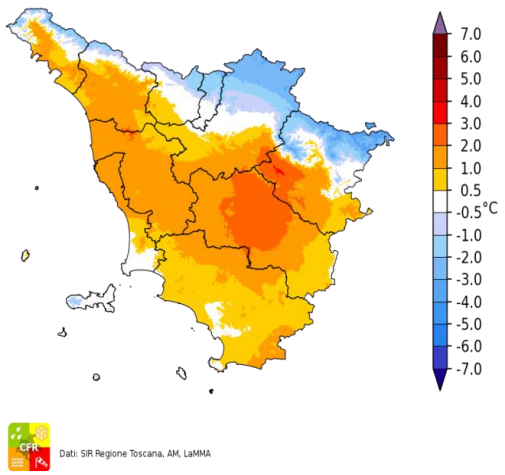
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 21/09/2021



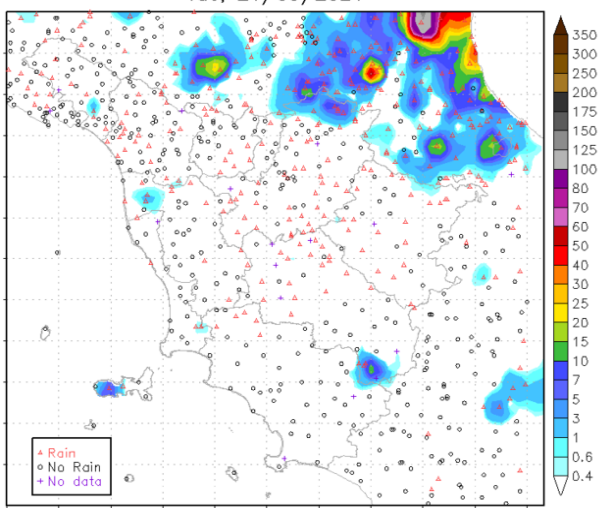
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 21/09/2021 e 20/09/2021

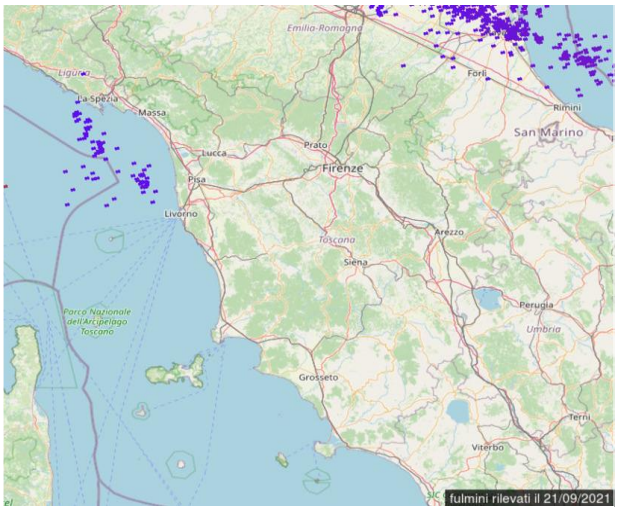


Dati: SIR Regione Toscana, AM, LaMMA

Total Precipitation [mm] cumulated on Tue, 21/09/2021

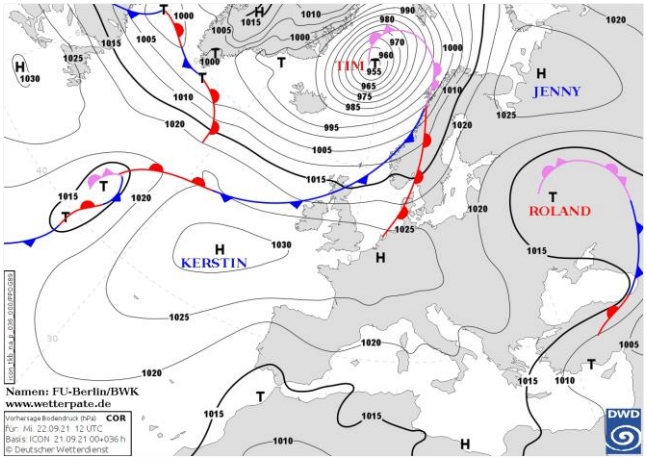


Fulminazioni osservate il giorno 21 Settembre

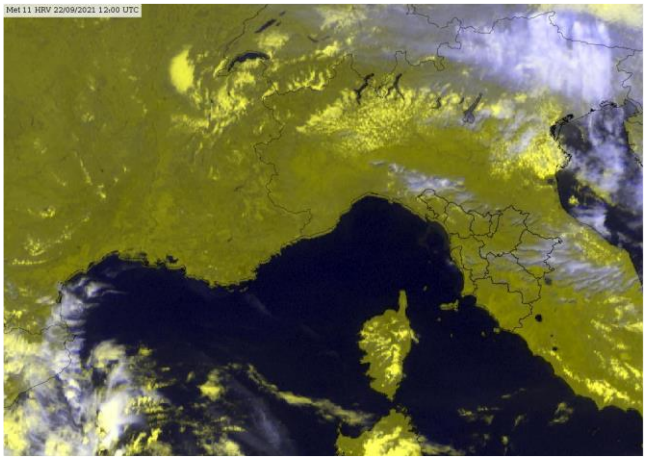


Mercoledi' 22 Settembre 2021

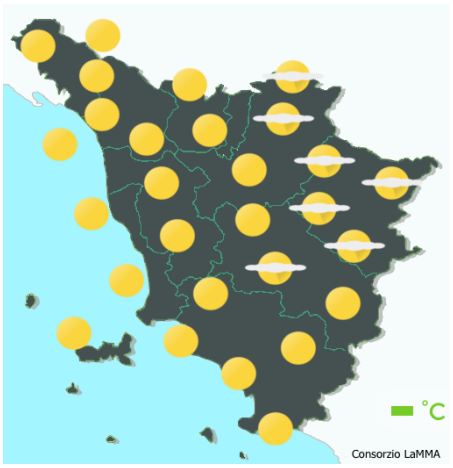
Situazione: pressione in aumento sull'Europa per l'espansione verso levante dell'anticiclone delle Azzorre.



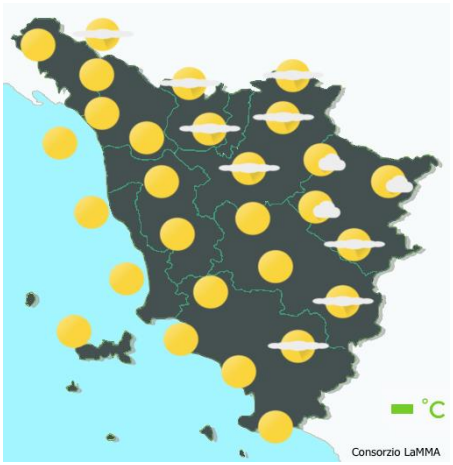
Pressione al suolo e fronti del 22 Settembre alle 12 UTC


Meteosat HRV del 22 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso.

Fenomeni: nessuno.

Venti: deboli o moderati da est, nord-est.

Mari: poco mossi o mossi a largo.

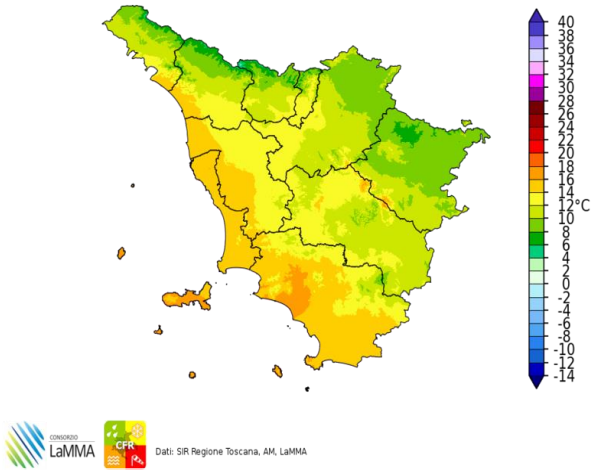
Temperature: minime in diminuzione, massime in lieve aumento.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	10	11	14	19	12	14	14	12	15	14
	anomalia*	-1	-3	0	2	-2	-1	0	-2	1	0
T. max	osservata	26	27	33	26	27	25	28	26	26	25
	anomalia*	2	2	8	2	2	0	3	1	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

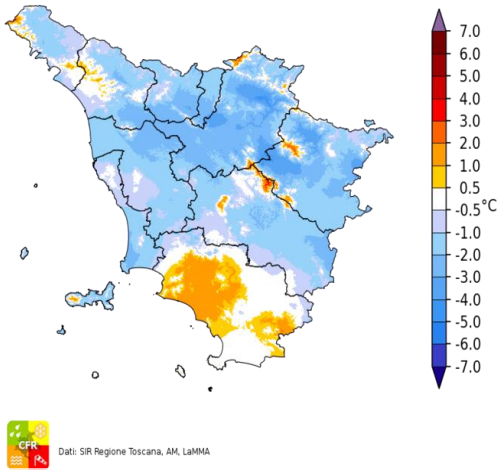
Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 22/09/2021



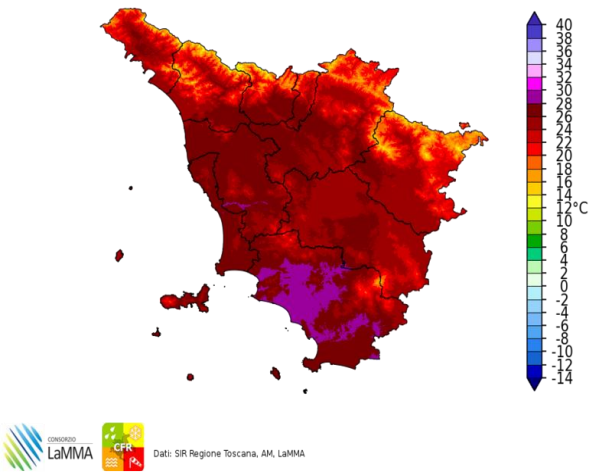
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 22/09/2021 e 21/09/2021



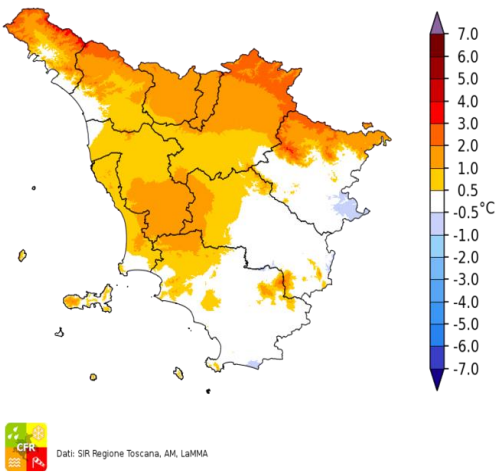
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 22/09/2021



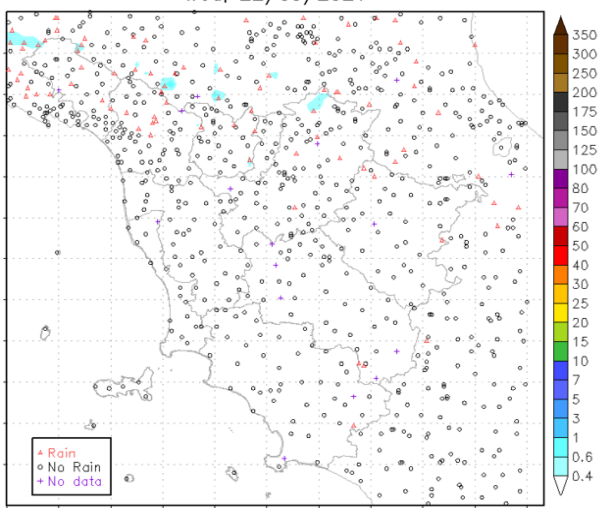
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 22/09/2021 e 21/09/2021

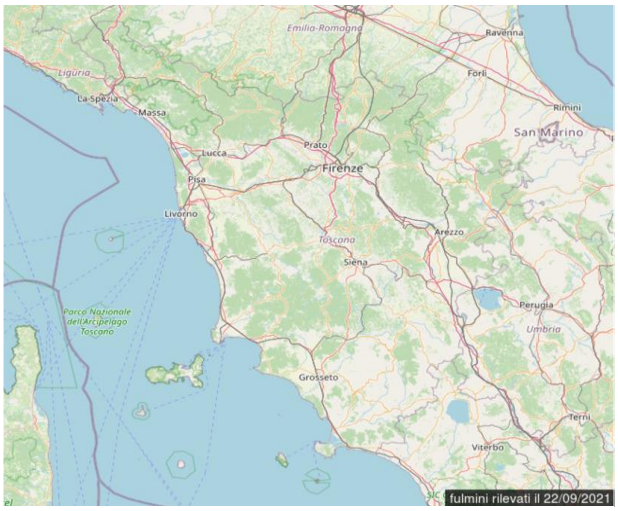


Dati: SIR Regione Toscana, AM, LaMMA

Total Precipitation [mm] cumulated on Wed, 22/09/2021

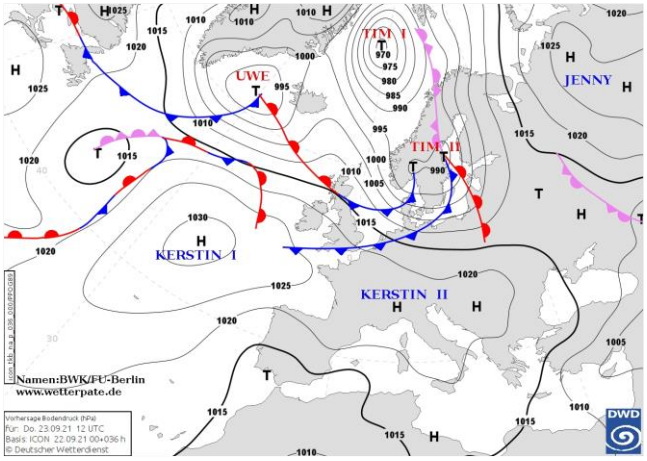


Fulminazioni osservate il giorno 22 Settembre

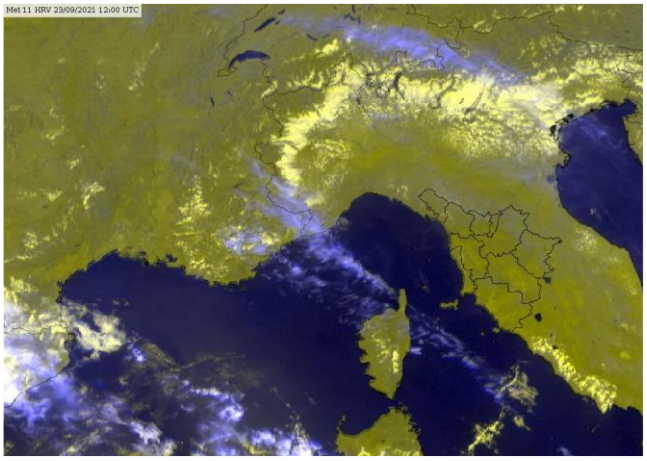


Giovedi' 23 Settembre 2021

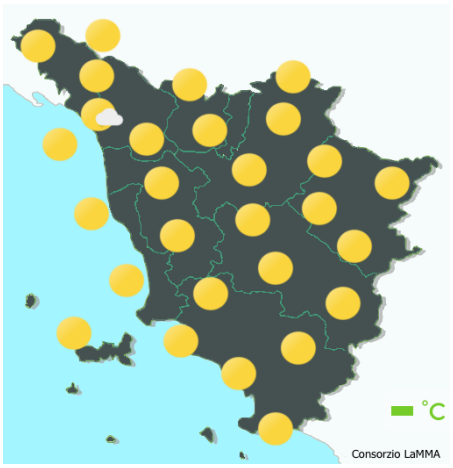
Situazione: sul Mediterraneo centrale è presente un campo di alta pressione (1020 hPa) che garantisce condizioni di stabilità atmosferica.



Pressione al suolo e fronti del 23 Settembre alle 12 UTC


Meteosat HRV del 23 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno.

Fenomeni: nessuno.

Venti: deboli orientali, in attenuazione.

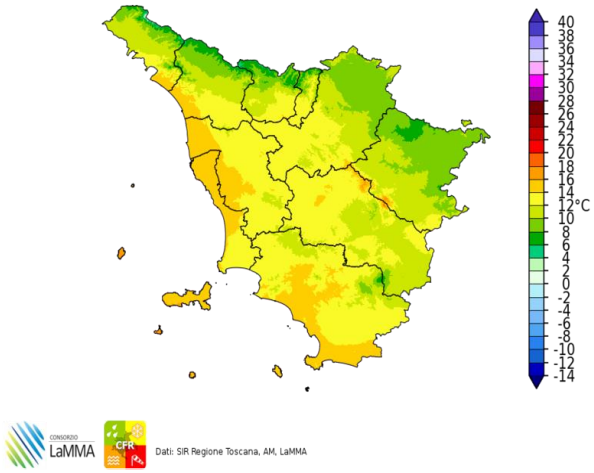
Mari: poco mossi.

Temperature: stazionarie.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	8	10	12	18	13	15	12	12	15	15
	anomalia*	-3	-4	-2	1	-1	0	-2	-2	1	1
T. max	osservata	25	28	28	26	27	25	27	26	27	26
	anomalia*	1	3	2	1	2	0	2	1	2	2
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

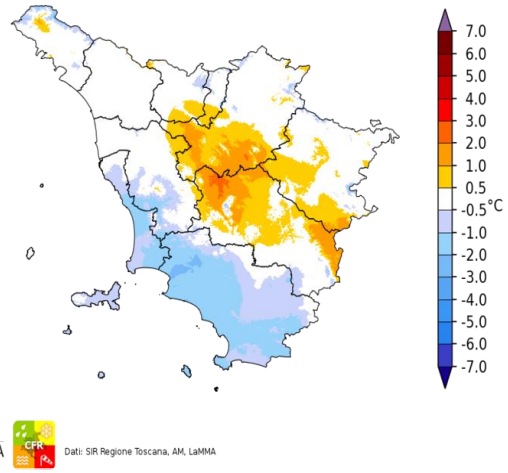
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 23/09/2021



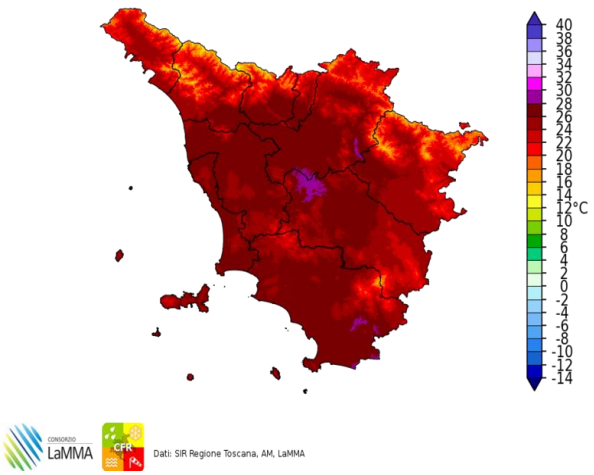
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 23/09/2021 e 22/09/2021



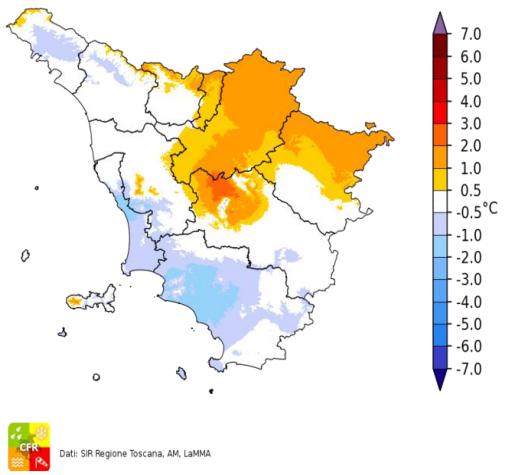
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 23/09/2021



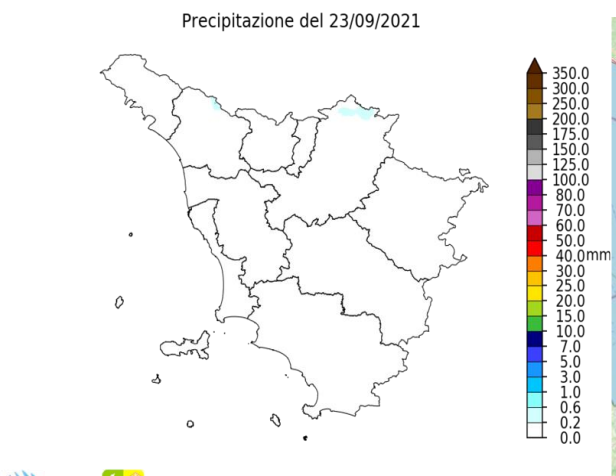
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 23/09/2021 e 22/09/2021



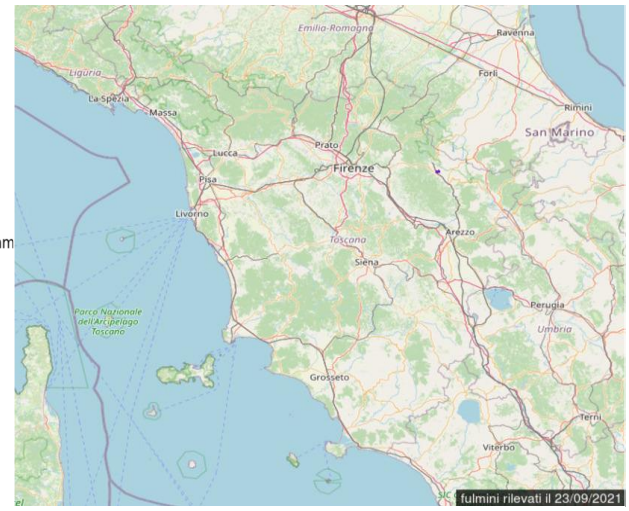
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 23/09/2021



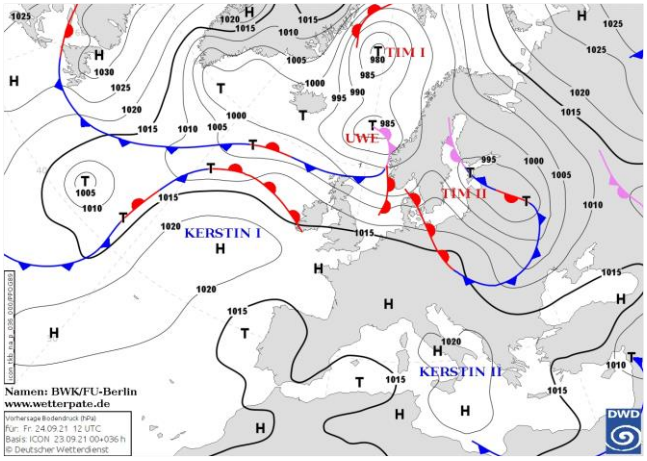
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 23 Settembre

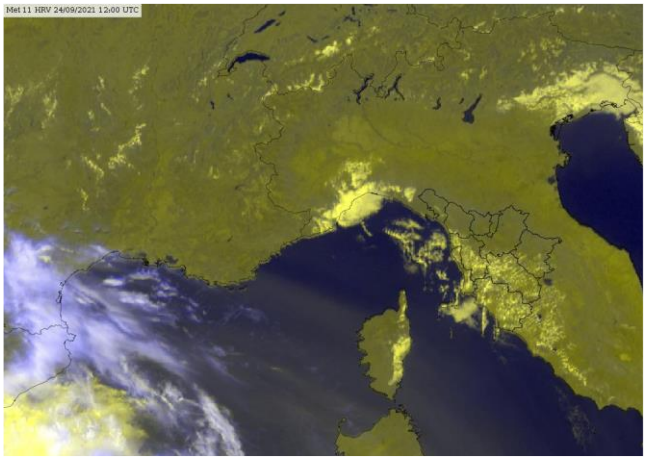


Venerdi' 24 Settembre 2021

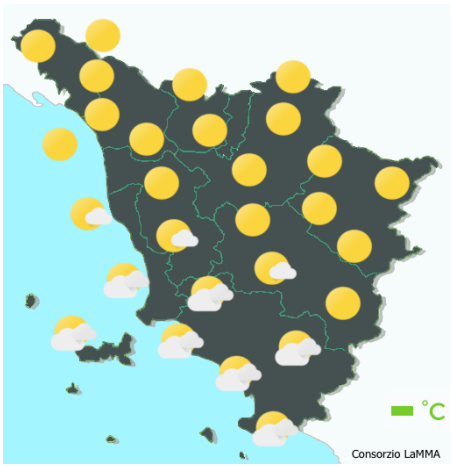
Situazione: sul Mediterraneo centrale è presente un campo di alta pressione (1020 hPa) che garantisce condizioni di stabilità atmosferica.



Pressione al suolo e fronti del 24 Settembre alle 12 UTC


Meteosat HRV del 24 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: tra poco nuvoloso e parzialmente nuvoloso per nuvolosità di tipo basso. Sereno in montagna.

Fenomeni: nessuno.

Venti: deboli da sud, sud-est.

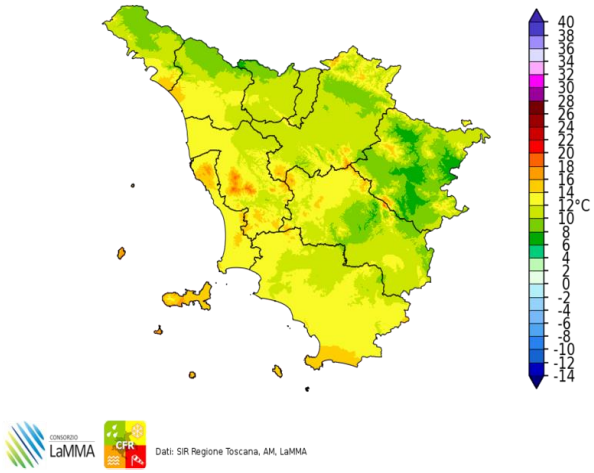
Mari: sottocosta da poco mossi a mossi a sud dell'Elba; mossi al largo.

Temperature: minime in diminuzione sulle pianure, in aumento sui rilievi. Massime stazionarie o in lieve aumento nell'interno.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	8	10	12	17	12	14	12	11	13	14
	anomalia*	-3	-4	-2	0	-2	-1	-2	-2	-2	0
T. max	osservata	28	28	27	26	27	26	27	26	27	26
	anomalia*	4	3	1	2	2	1	2	1	2	3
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

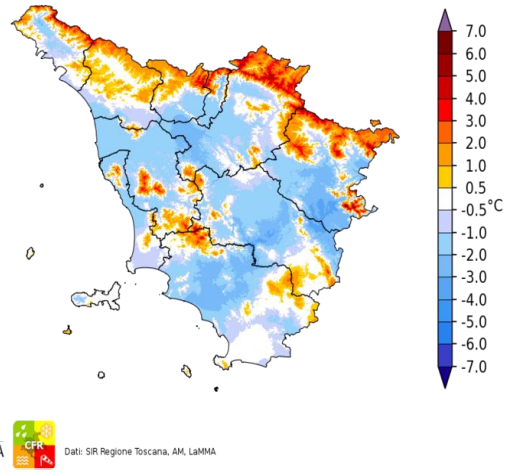
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 24/09/2021



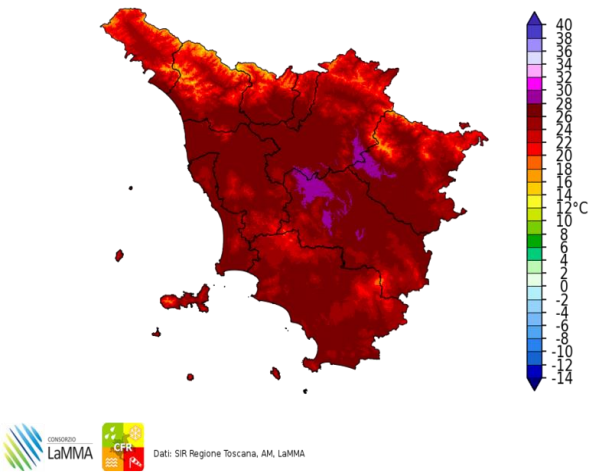
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 24/09/2021 e 23/09/2021



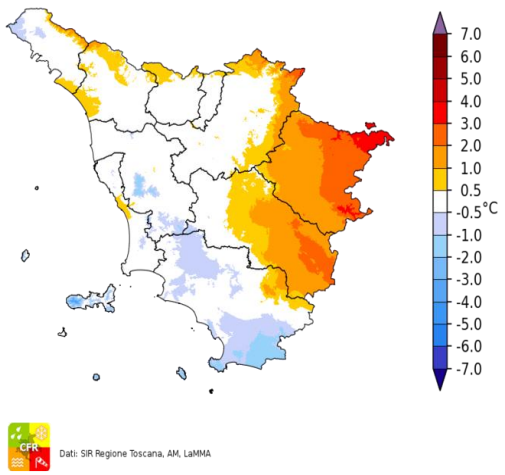
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 24/09/2021



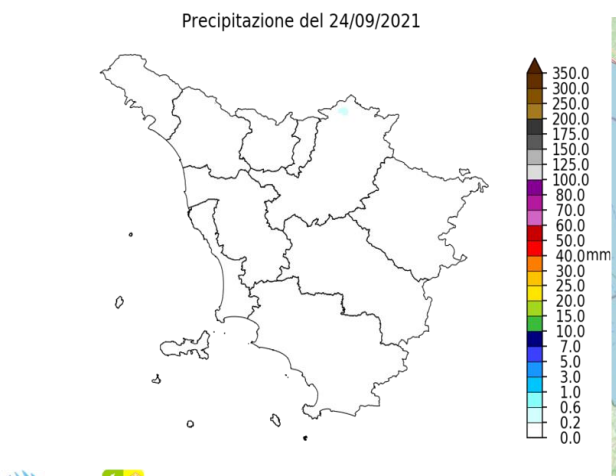
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 24/09/2021 e 23/09/2021



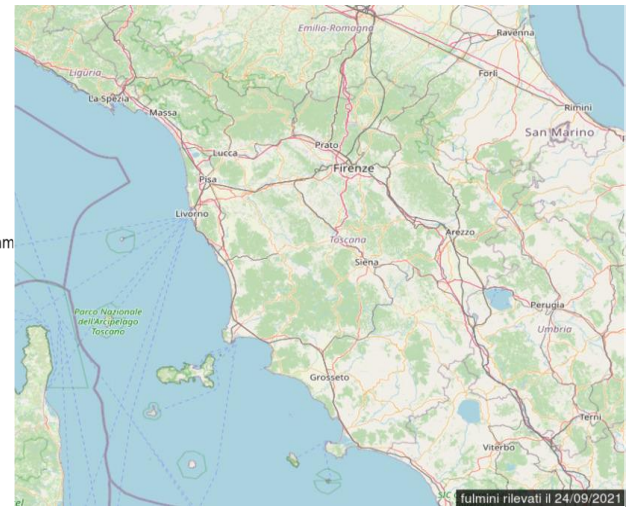
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 24/09/2021



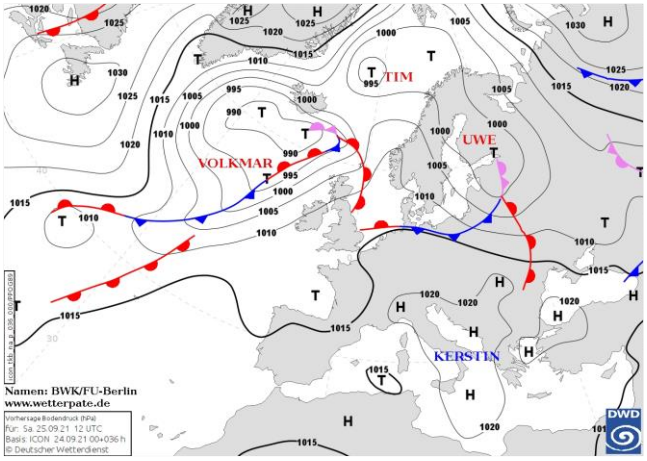
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 24 Settembre

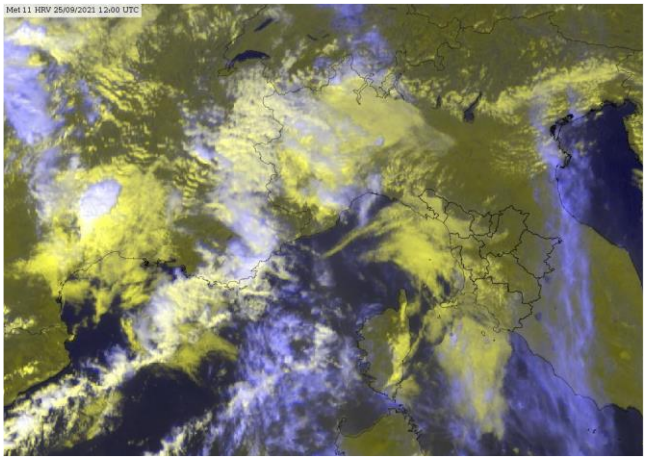


Sabato 25 Settembre 2021

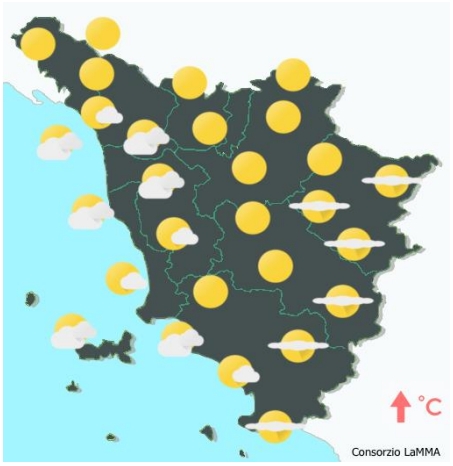
Situazione: la nostra penisola rimane sotto l'influenza di un campo di alta pressione; la presenza di un minimo secondario sul Mediterraneo occidentale favorisce l'instaurarsi di correnti meridionali sul mar Tirreno e sul mar Ligure.



Pressione al suolo e fronti del 25 Settembre alle 12 UTC


Meteosat HRV del 25 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: parzialmente nuvoloso per nubi medio basse, più consistenti sule zone occidentali.

Fenomeni: nessuno.

Venti: moderati di Ostro (sud) sulla costa centro-meridionale, deboli altrove.

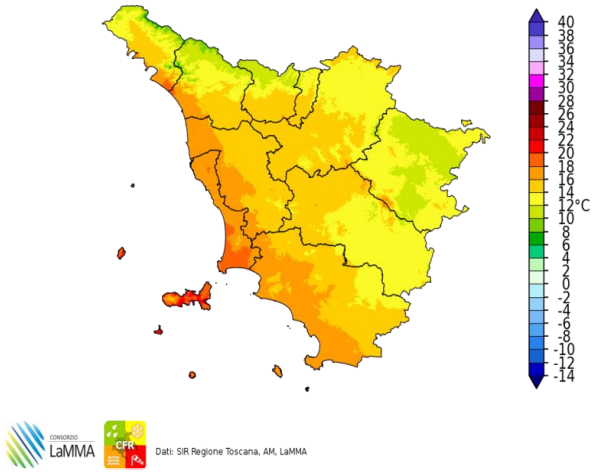
Mari: mossi sui tratti esposti alle onde da sud, poco mossi altrove.

Temperature: in aumento, sensibile nei valori minimi.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	N.D.	14	16	19	15	18	16	15	16	15
	anomalia*	N.D.	1	2	3	1	3	2	1	2	1
T. max	osservata	N.D.	29	29	26	27	26	28	27	28	27
	anomalia*	N.D.	4	3	2	2	2	3	2	3	4
Precipitazione (mm/24ore)		N.D.	0	0	0	0	0	0	0	0	0

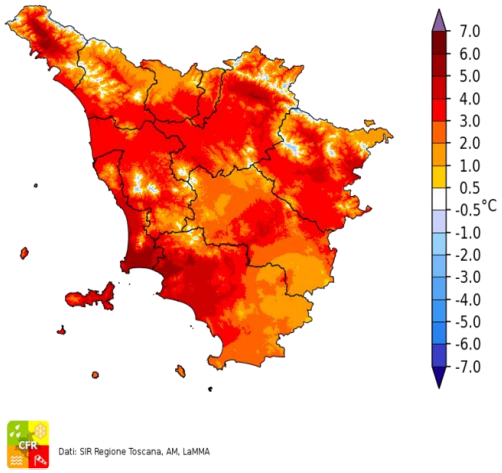
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 25/09/2021



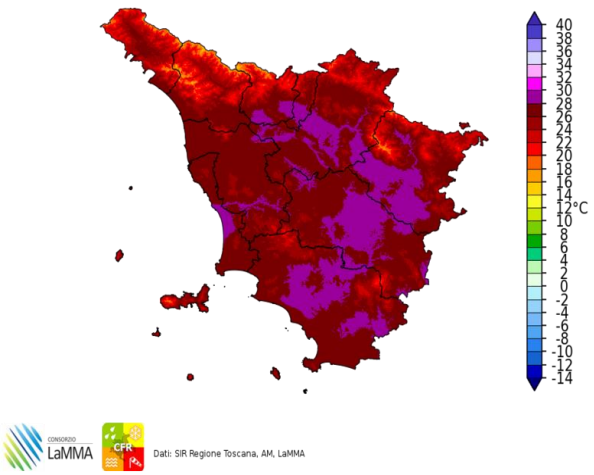
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 25/09/2021 e 24/09/2021



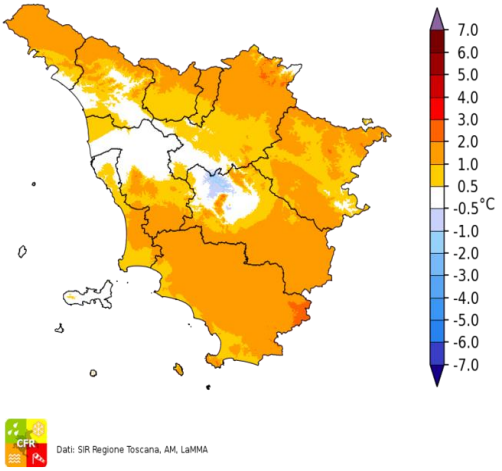
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 25/09/2021



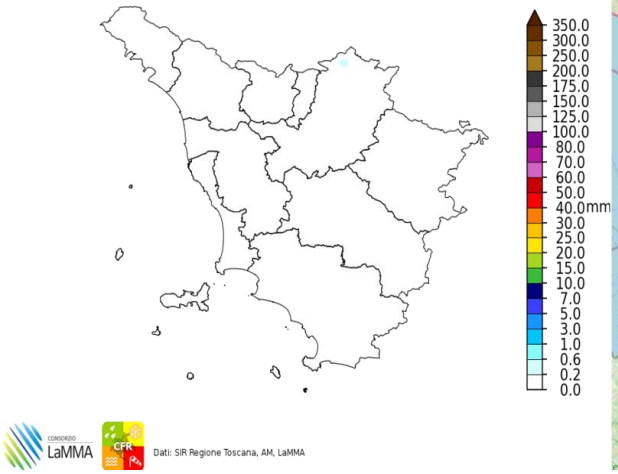
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 25/09/2021 e 24/09/2021



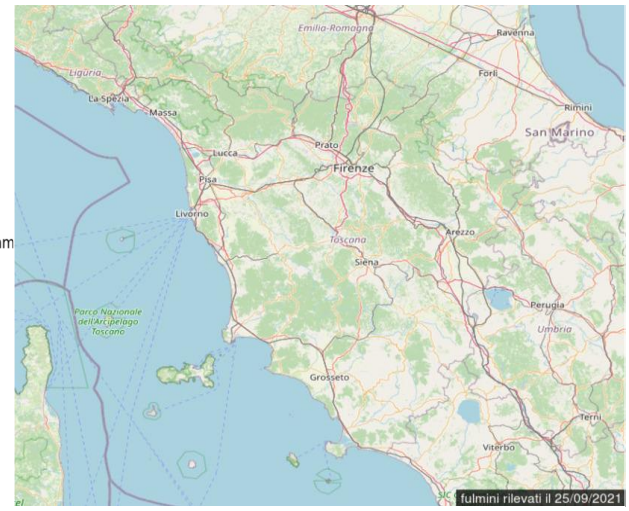
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 25/09/2021



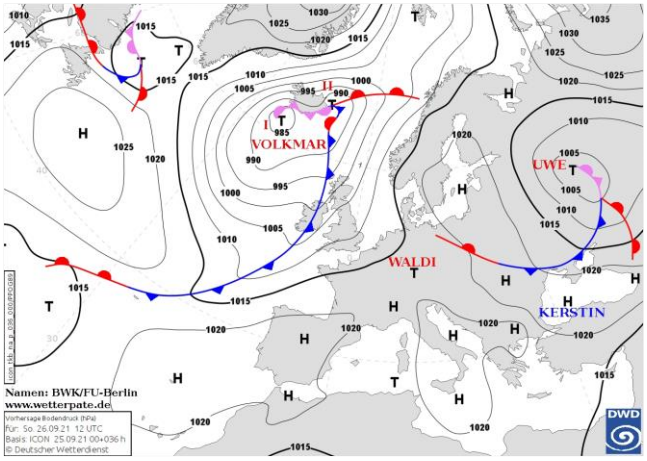
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 25 Settembre

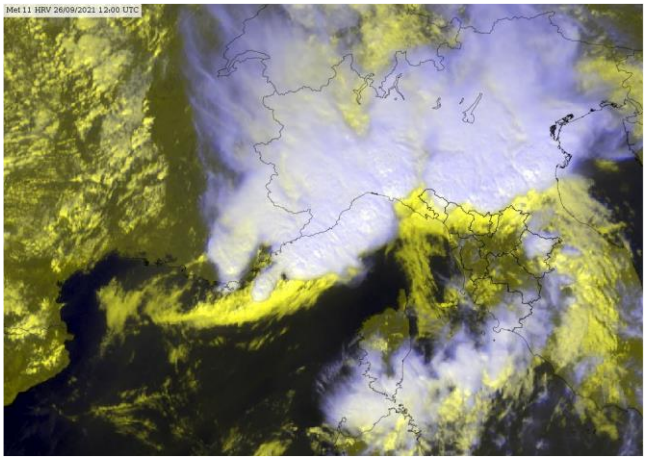


Domenica 26 Settembre 2021

Situazione: promontorio sul Mediterraneo centro-meridionale, saccatura in arrivo dall'Atlantico, più attiva sul nord Italia, ma che porta condizioni di locale forte instabilità anche sulla Toscana.



Pressione al suolo e fronti del 26 Settembre alle 12 UTC


Meteosat HRV del 26 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: nuvoloso o molto nuvoloso.

Fenomeni: precipitazioni temporalesche, localmente forti e associate a forti colpi di vento e grandinate, sul centro-nord della regione. Nel pomeriggio forti grandinate, con chicchi di grandi dimensioni sui rilievi poco a nord di Prato e di Firenze.

Venti: di Scirocco moderati su costa e Arcipelago, generalmente deboli da sud altrove.

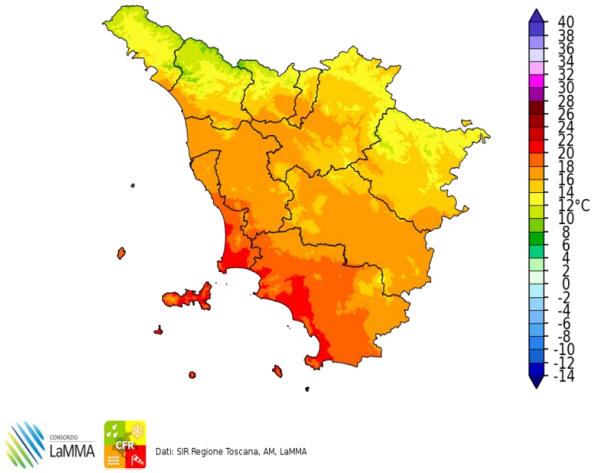
Mari: mossi.

Temperature: minime in aumento. Massime in lieve calo (in aumento sul Valdarno Medio e Inferiore).

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	N.D.	17	20	19	15	16	17	16	18	16
	anomalia*	N.D.	4	6	2	2	1	3	2	3	2
T. max	osservata	N.D.	29	28	27	26	26	29	25	28	26
	anomalia*	N.D.	4	2	3	1	2	4	0	3	3
Precipitazione (mm/24ore)		N.D.	7	0	11	12	14	15	23	48	10

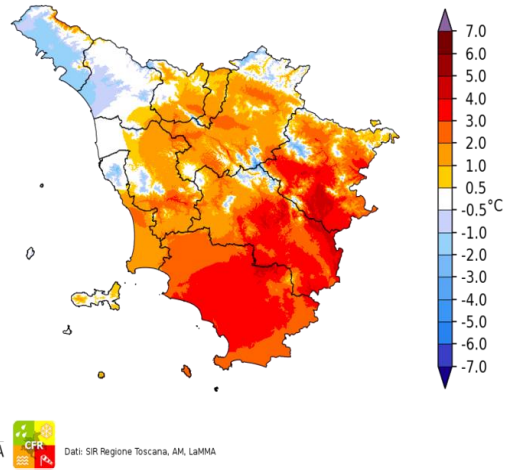
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 26/09/2021



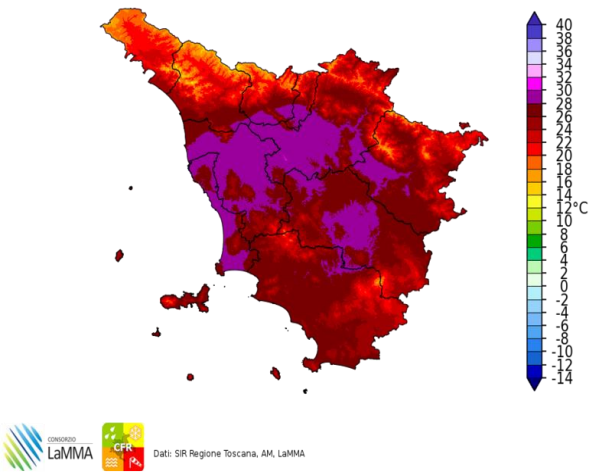
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 26/09/2021 e 25/09/2021



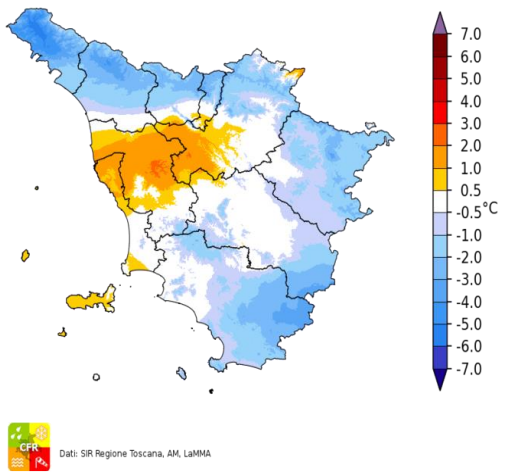
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 26/09/2021



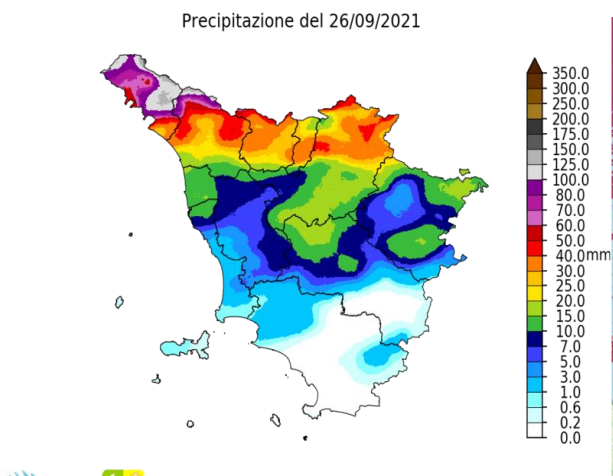
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 26/09/2021 e 25/09/2021



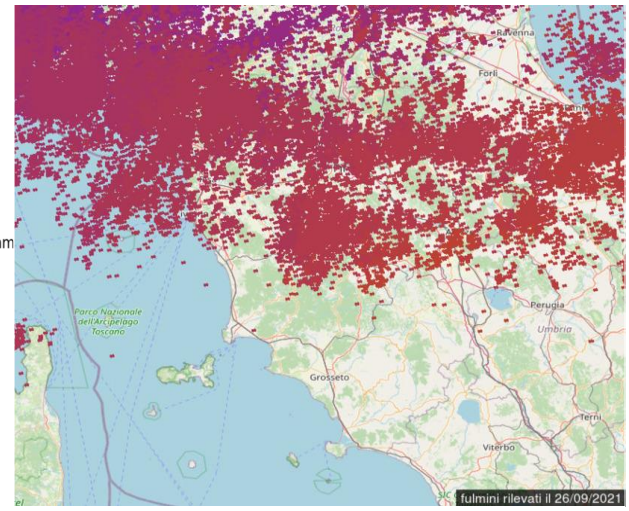
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 26/09/2021



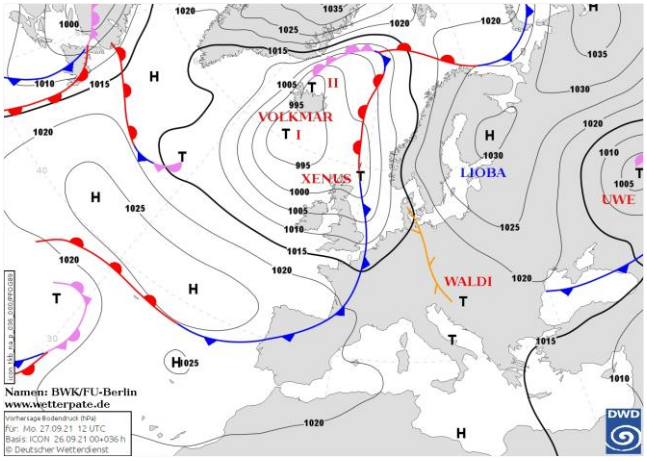
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 26 Settembre

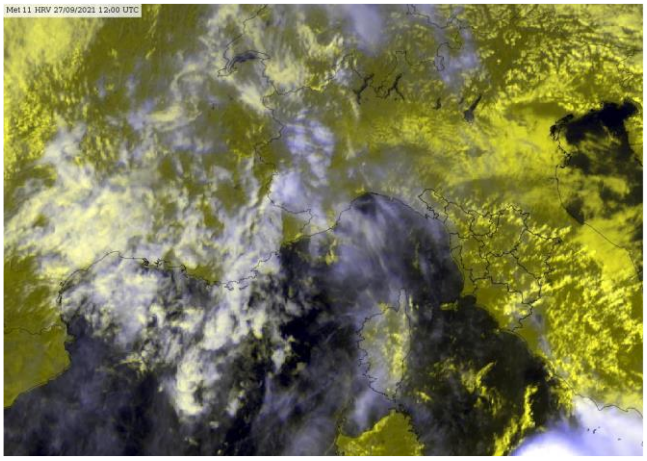


Lunedi' 27 Settembre 2021

Situazione: pressione in aumento sulla nostra penisola a partire dai settori occidentali grazie all'espansione verso levante dell'Anticiclone delle Azzorre.



Pressione al suolo e fronti del 27 Settembre alle 12 UTC


Meteosat HRV del 27 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: tra poco e parzialmente nuvoloso.

Fenomeni: locali rovesci sulle zone meridionali.

Venti: deboli occidentali, rinforzo da Maestrale nel pomeriggio lungo il litorale meridionale.

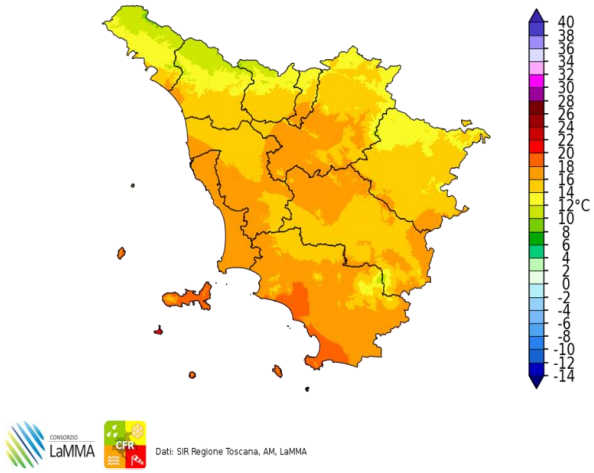
Mari: mossi tendenti a poco mossi sui settori settentrionali.

Temperature: in leggero calo.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	12	15	17	18	14	15	15	15	17	17
	anomalia*	1	1	3	2	1	0	1	2	2	3
T. max	osservata	28	28	30	24	26	24	26	26	27	27
	anomalia*	4	3	5	0	1	-1	1	0	2	4
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

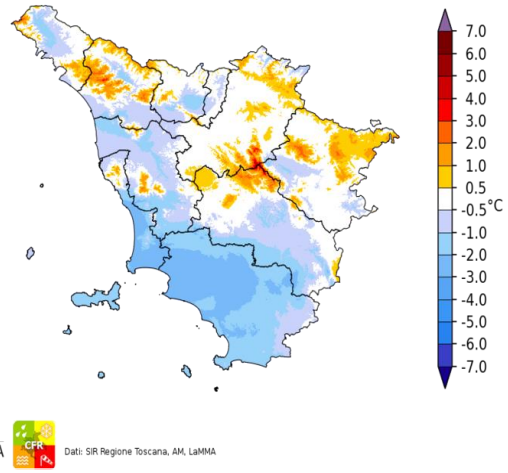
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 27/09/2021



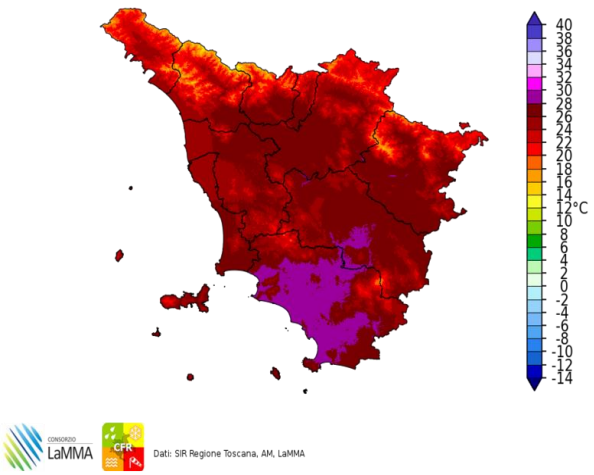
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 27/09/2021 e 26/09/2021



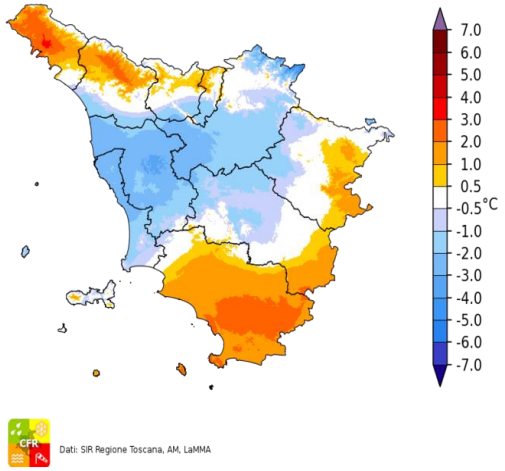
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 27/09/2021



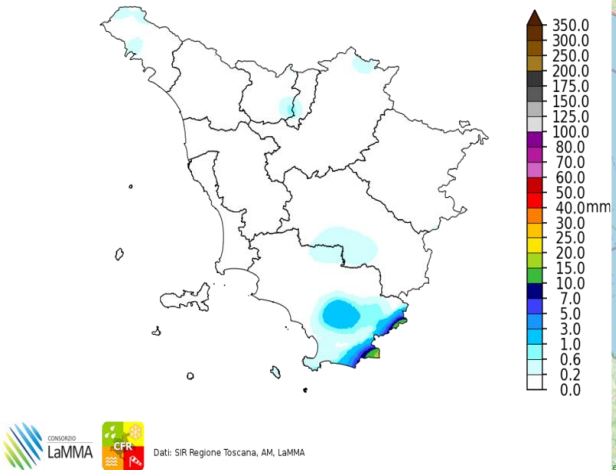
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 27/09/2021 e 26/09/2021



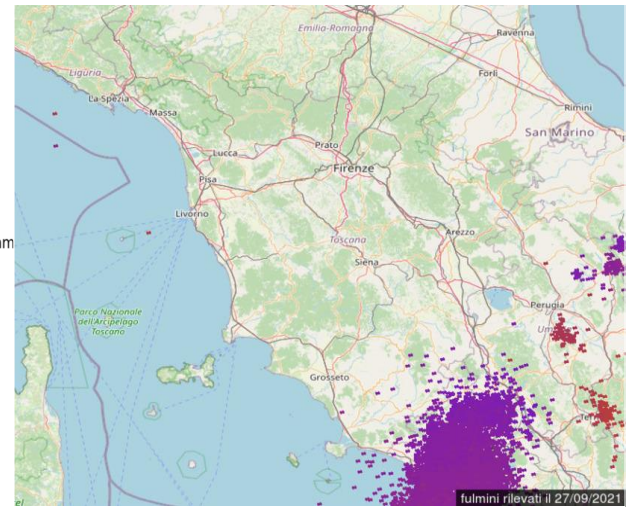
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 27/09/2021



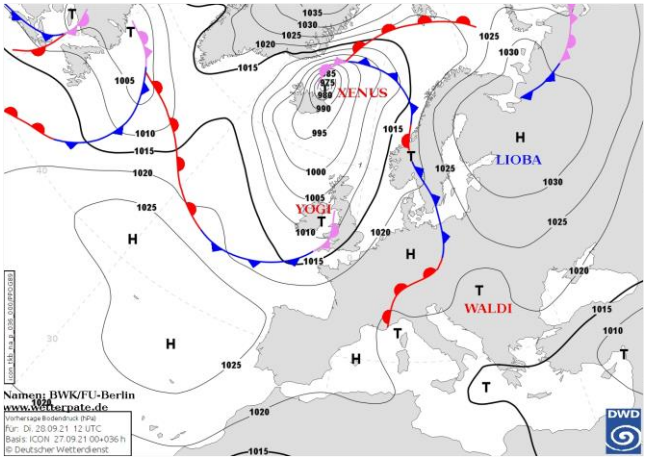
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 27 Settembre

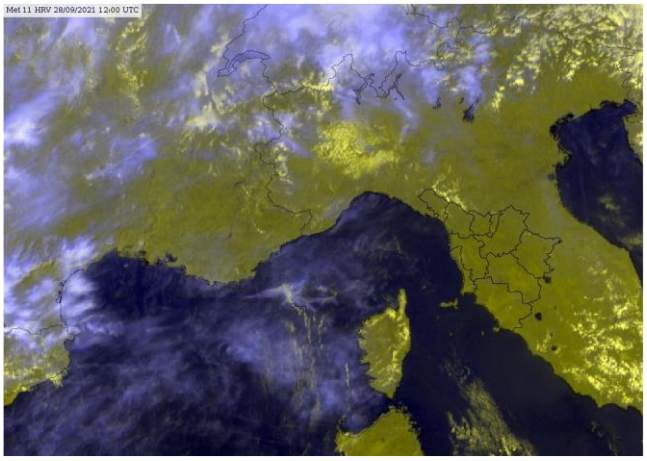


Martedi' 28 Settembre 2021

Situazione: alta pressione su buona parte del Mediterraneo centro-occidentale e condizioni meteo stabili.

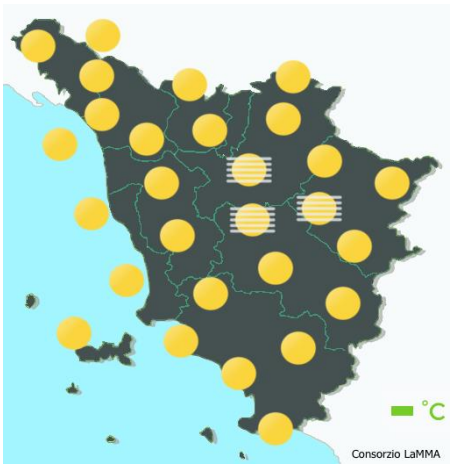


Pressione al suolo e fronti del 28 Settembre alle 12 UTC

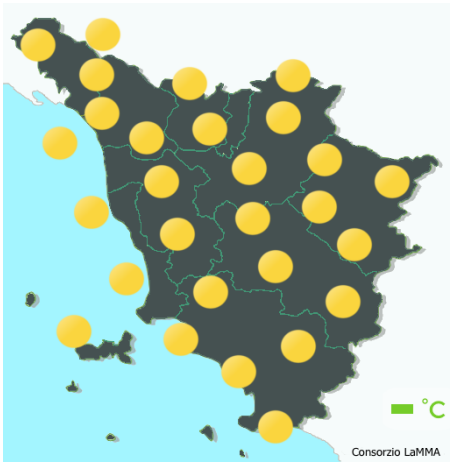


Meteosat HRV del 28 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: soleggiato.

Fenomeni: nessuno.

Venti: deboli settentrionali, moderati di Maestrale sulla costa centro-meridionale nel pomeriggio.

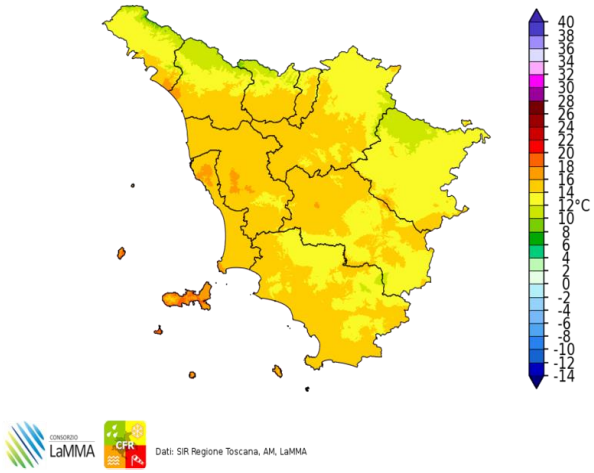
Mari: poco mossi o temporaneamente e localmente mossi.

Temperature: elevata escursione termica.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	10	14	14	18	15	16	15	14	16	16
	anomalia*	0	0	0	2	1	0	1	1	2	2
T. max	osservata	29	30	30	24	28	25	27	29	30	28
	anomalia*	5	5	5	0	3	0	2	4	4	4
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

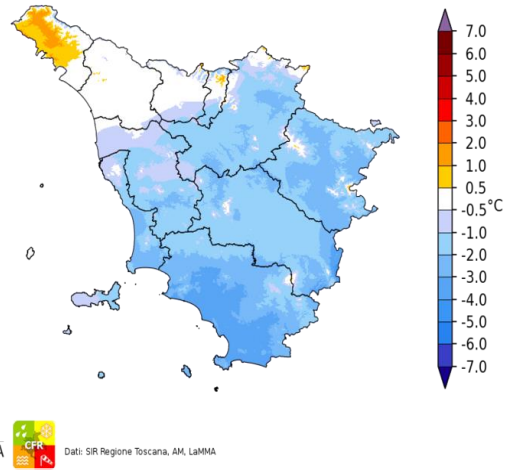
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 28/09/2021



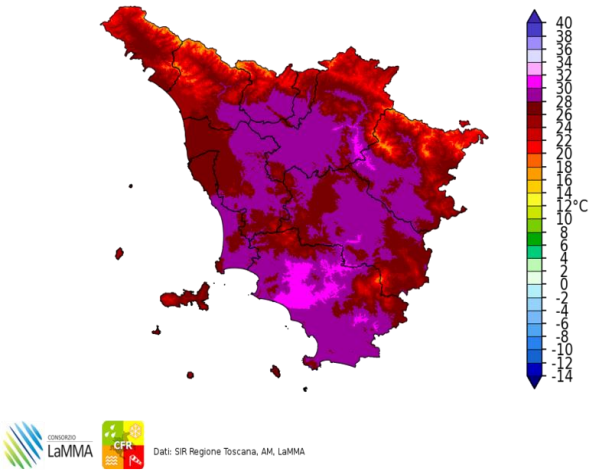
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 28/09/2021 e 27/09/2021



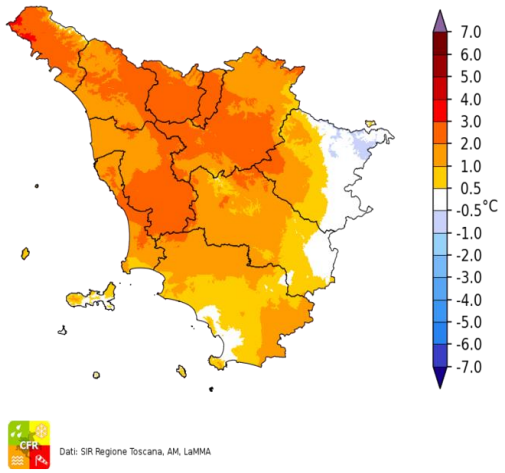
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 28/09/2021



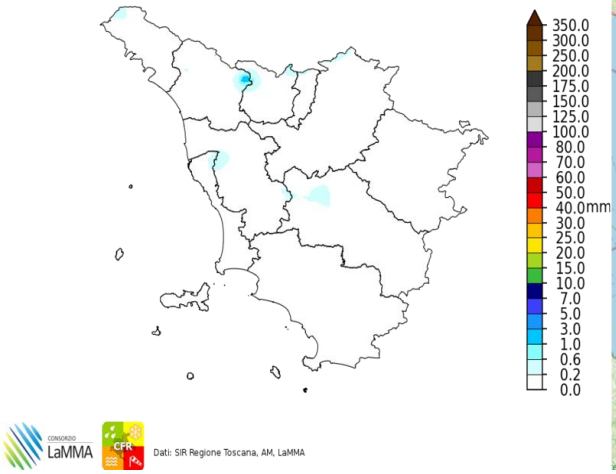
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 28/09/2021 e 27/09/2021



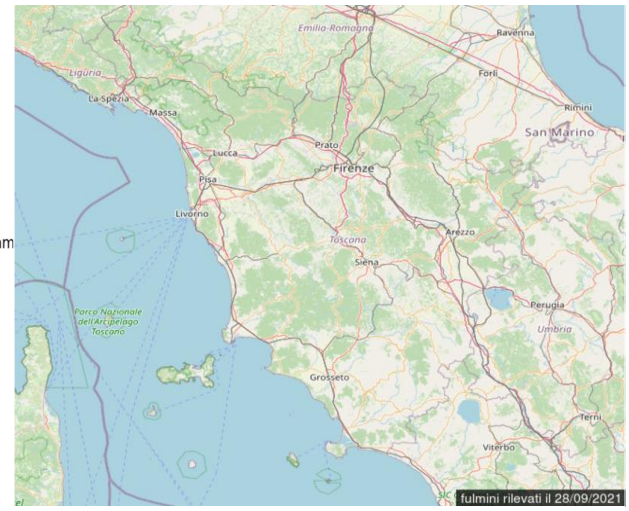
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 28/09/2021



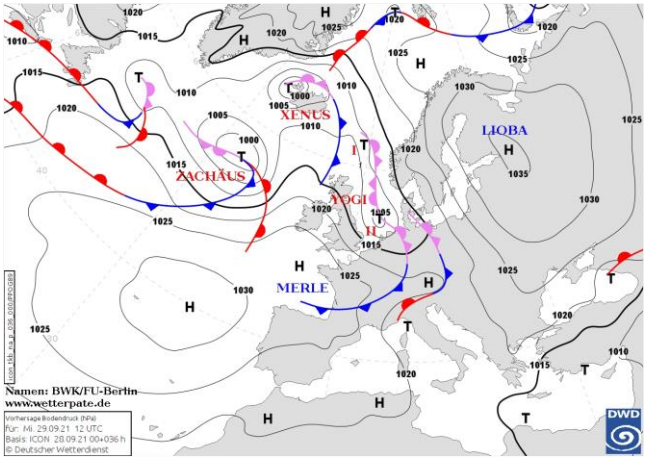
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 28 Settembre

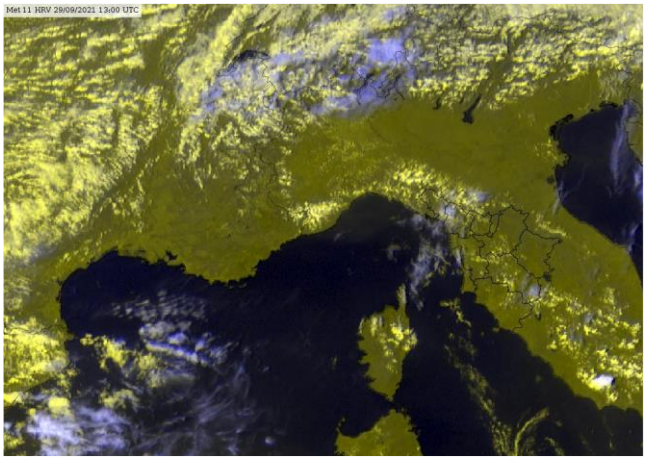


Mercoledi' 29 Settembre 2021

Situazione: condizioni di leggera instabilità sulla penisola, dovuti ad un flusso in quota nord-occidentale e alla pressione al suolo ancora non perfettamente ristabilita.



Pressione al suolo e fronti del 29 Settembre alle 12 UTC


Meteosat HRV del 29 Settembre alle 13 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso con addensamenti sui rilievi nel pomeriggio, in particolare sull'Appennino.

Fenomeni: isolati rovesci sul crinale dell'Appennino Tosco-Emiliano.

Venti: deboli occidentali con rinforzi lungo la costa.

Mari: poco mossi.

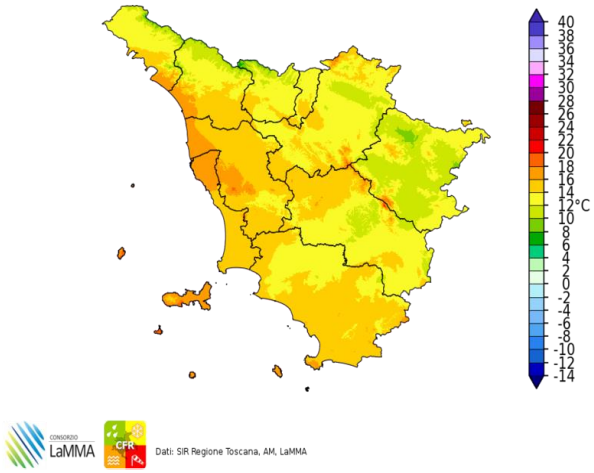
Temperature: in lieve calo, soprattutto le massime. Valori comunque sopra la media.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	10	14	13	20	15	17	14	14	16	16
	anomalia*	0	0	0	3	1	2	0	0	1	2
T. max	osservata	28	28	30	26	27	24	26	26	27	28
	anomalia*	4	3	4	1	2	-1	1	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

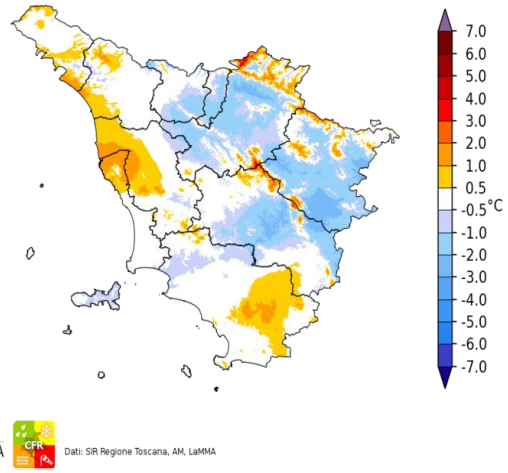
Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 29/09/2021



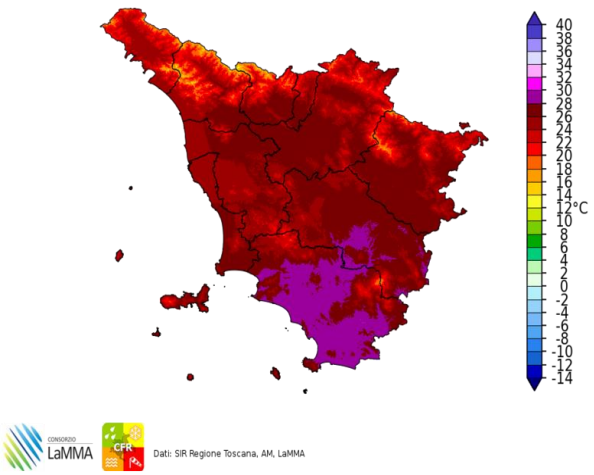
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 29/09/2021 e 28/09/2021



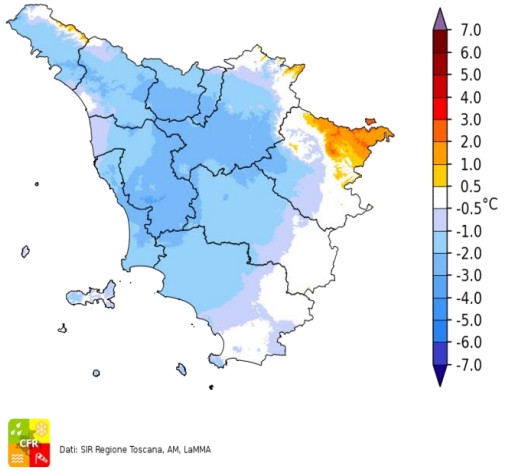
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 29/09/2021



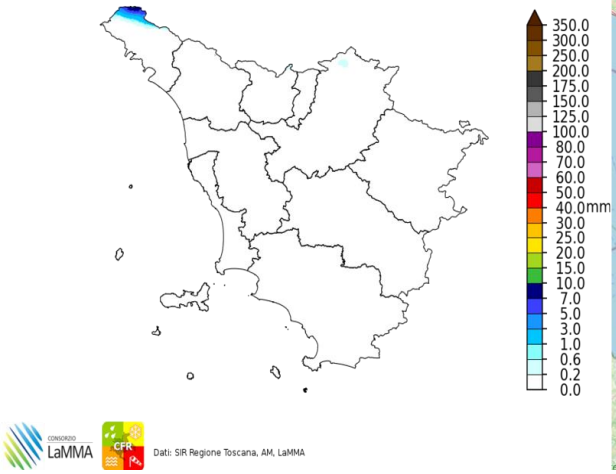
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 29/09/2021 e 28/09/2021



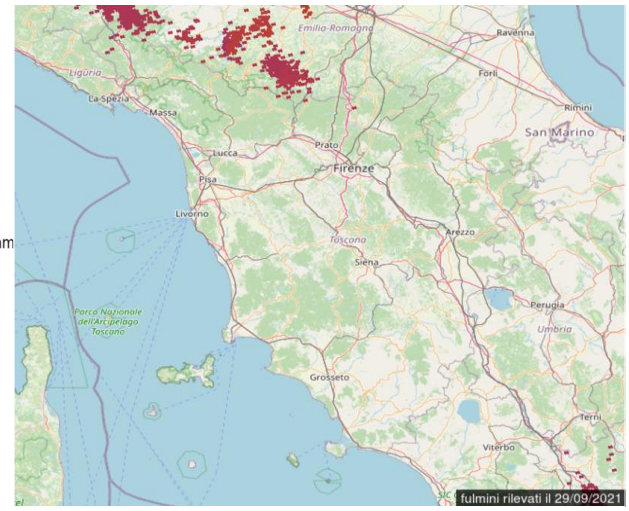
Dati: SIR Regione Toscana, AM, LaMMA

Precipitazione del 29/09/2021



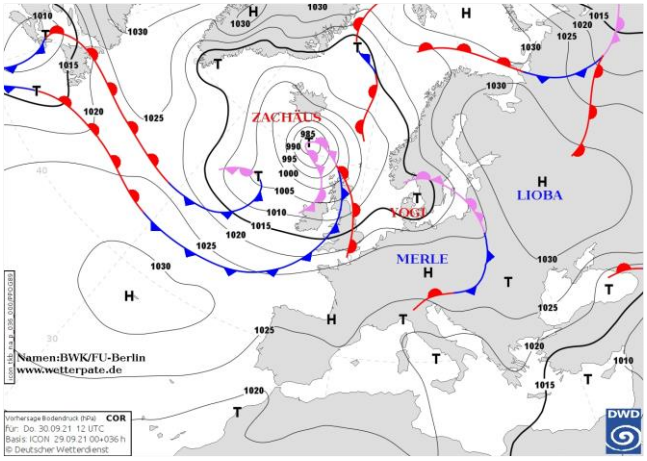
Dati: SIR Regione Toscana, AM, LaMMA

Fulminazioni osservate il giorno 29 Settembre

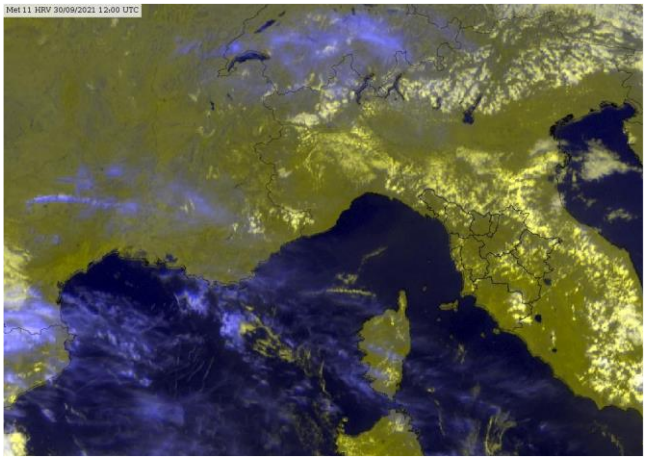


Giovedi' 30 Settembre 2021

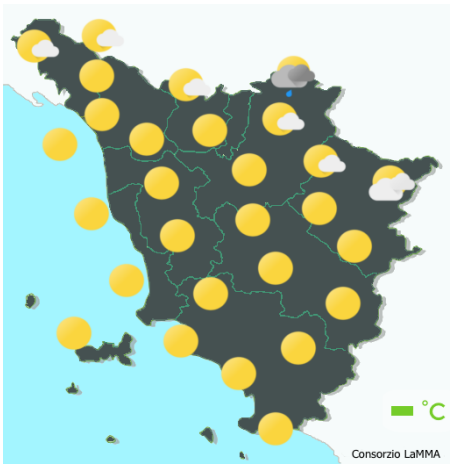
Situazione: sull'Europa centro-occidentale e sul centro-nord Italia prevale un'area anticiclonica, tra Ionio e Egeo insiste una modesta circolazione ciclonica.



Pressione al suolo e fronti del 30 Settembre alle 12 UTC


Meteosat HRV del 30 Settembre alle 12 UTC

situazione in Toscana



mattina



pomeriggio



sera

Stato del cielo: sereno o poco nuvoloso con addensamenti anche consistenti sui versanti emiliano romagnoli dell'Appennino. Nubi temporaneamente in aumento durante il pomeriggio sulle zone centro meridionali.

Fenomeni: isolate e deboli piogge sull'Alto Mugello con cumulati poco significativi.

Venti: deboli-moderati settentrionali.

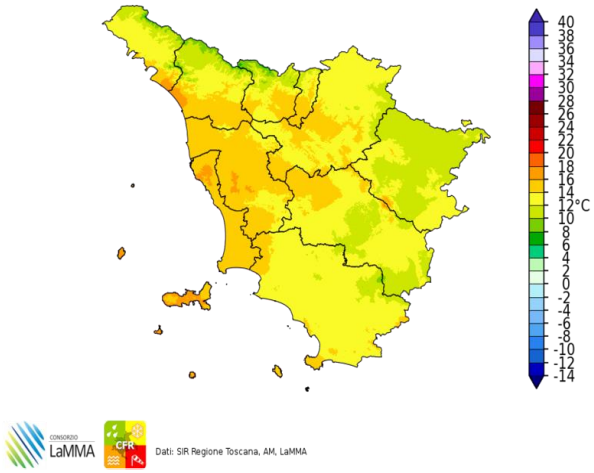
Mari: poco mossi sottocosta, mossi a largo.

Temperature: In generale calo, in aumento le massime sulla costa centro settentrionale.

		Arezzo	Firenze	Grosseto	Livorno	Lucca	Massa	Pisa	Pistoia	Prato	Siena
T. min	osservata	11	13	13	19	15	16	14	14	16	15
	anomalia*	0	-1	0	2	1	1	0	1	2	1
T. max	osservata	28	28	30	24	28	26	27	26	26	27
	anomalia*	4	2	4	0	3	1	2	1	1	4
Precipitazione (mm/24ore)		0	0	0	0	0	0	0	0	0	0

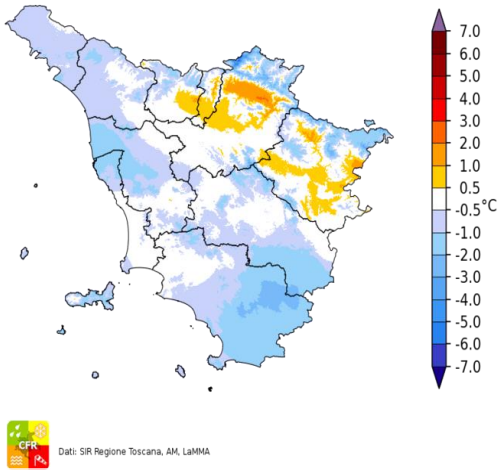
*anomalia calcolata sulla base della normale climatica decadale 1981-2010 Dati: SIR-Regione Toscana, AM, LaMMA

Temperatura Minima del 30/09/2021



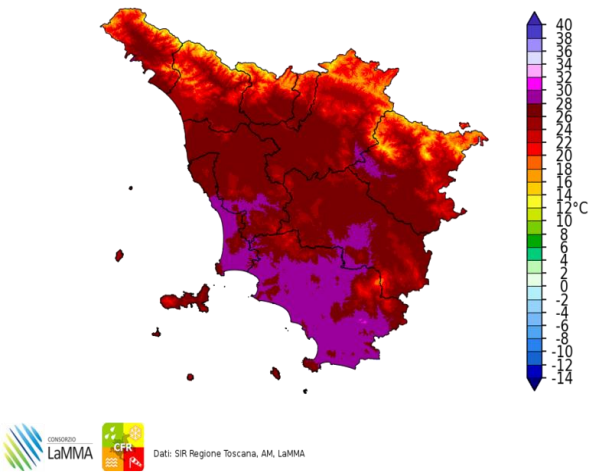
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Minima tra 30/09/2021 e 29/09/2021



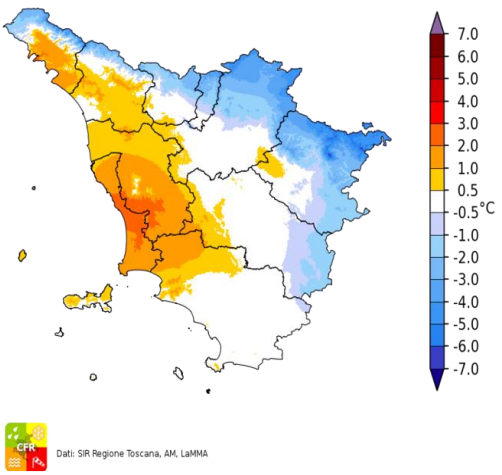
Dati: SIR Regione Toscana, AM, LaMMA

Temperatura Massima del 30/09/2021



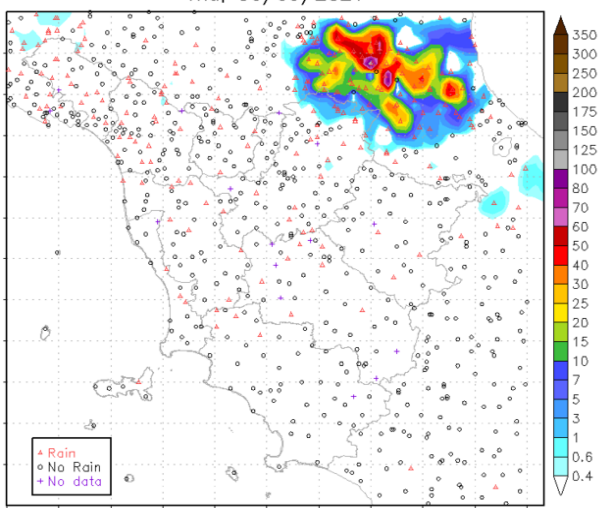
Dati: SIR Regione Toscana, AM, LaMMA

Differenza della Temperatura Massima tra 30/09/2021 e 29/09/2021

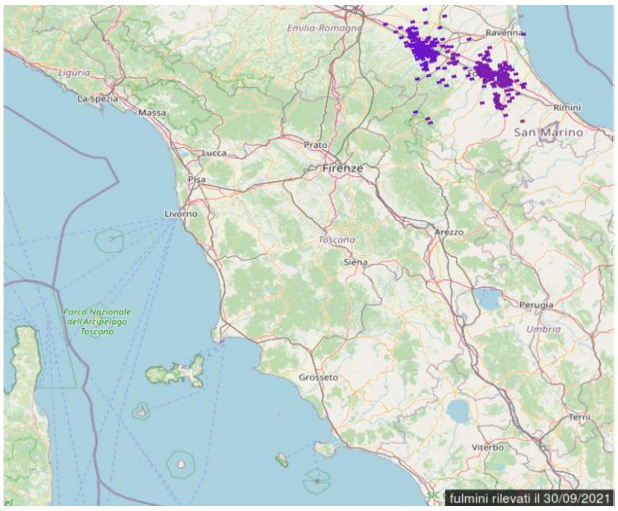


Dati: SIR Regione Toscana, AM, LaMMA

Total Precipitation [mm] cumulated on Thu, 30/09/2021



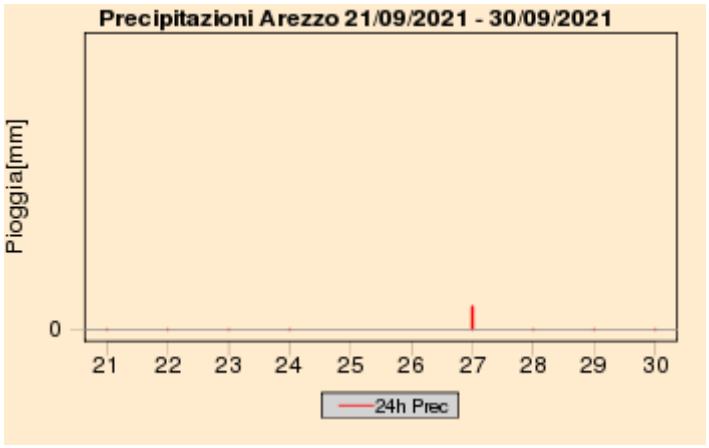
Fulminazioni osservate il giorno 30 Settembre

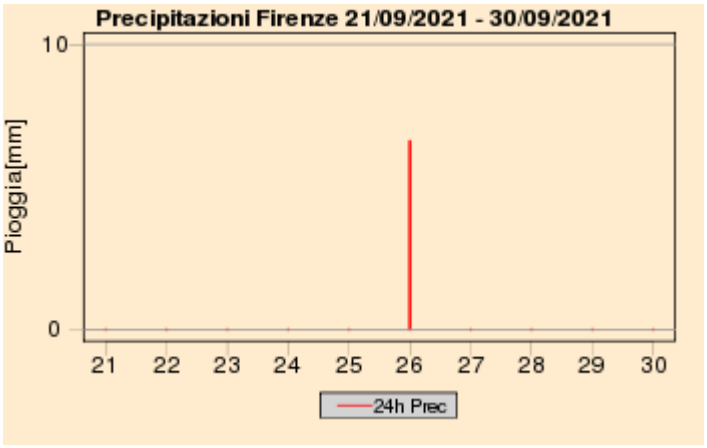


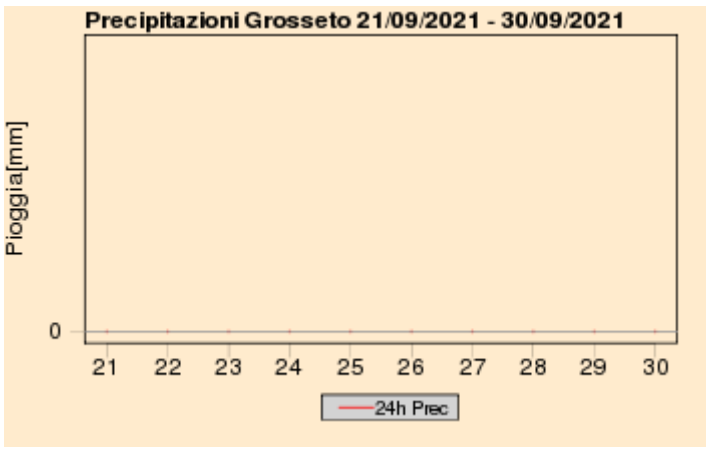
III decade - Quadro regionale – Precipitazioni

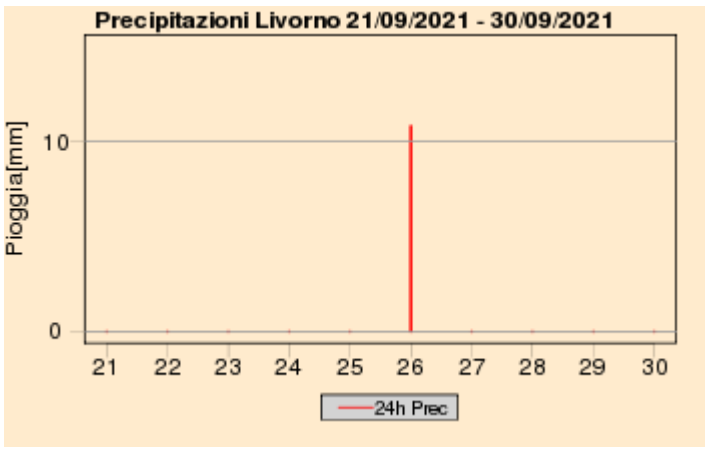
Le precipitazioni osservante nel corso della terza decade del mese sono risultate legate al passaggio, il giorno 26, di una unica perturbazione. Tale impulso perturbato ha portato piogge diffuse su tutte le zone centro settentrionali, con cumulati abbondati sui rilievi delle Apuane e dell'Appennino settentrionale, mentre ancora una volta su ampie zone della Maremma e dell'aretino le precipitazioni sono risultate assenti o scarsamente significative.

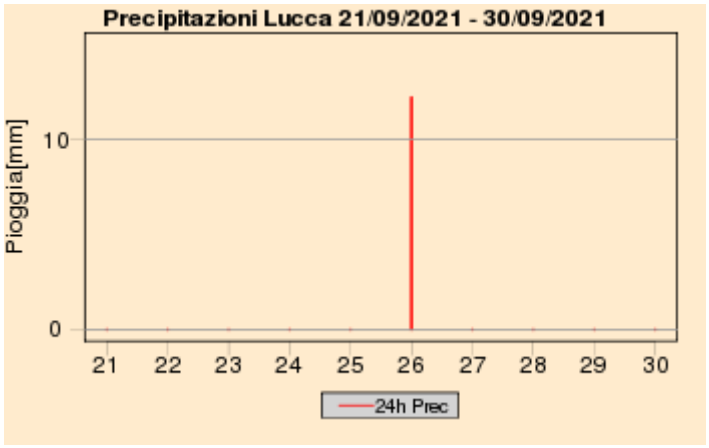
Nel complesso anche questa decade è risultata meno piovosa rispetto alla climatologia.

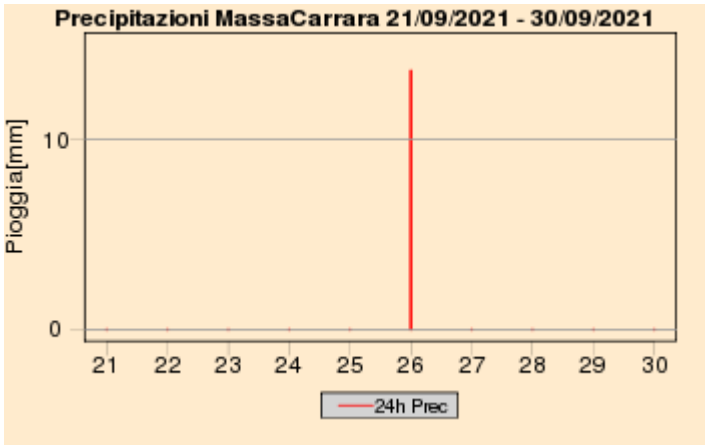


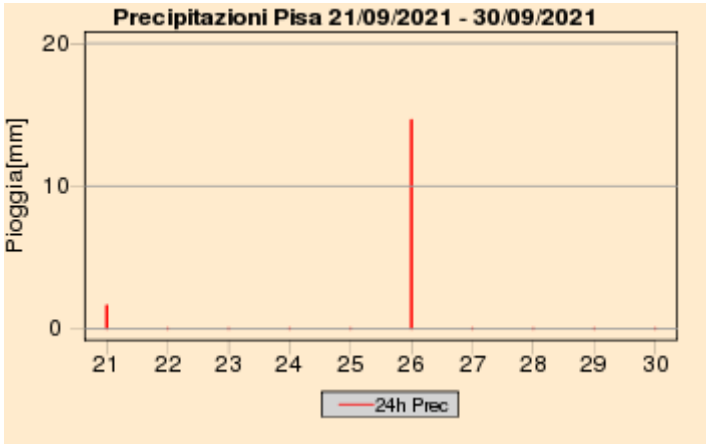


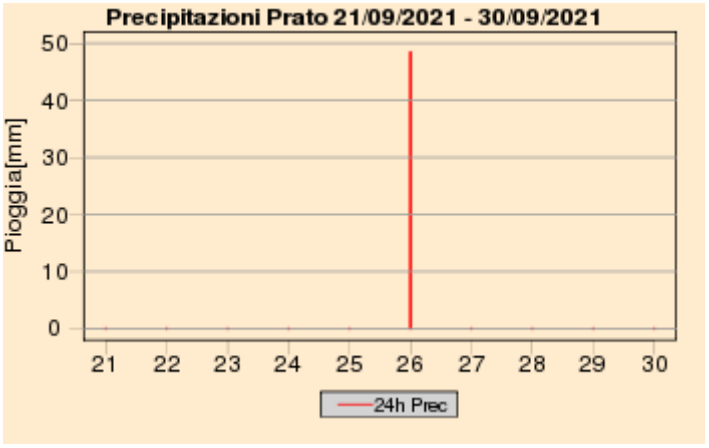


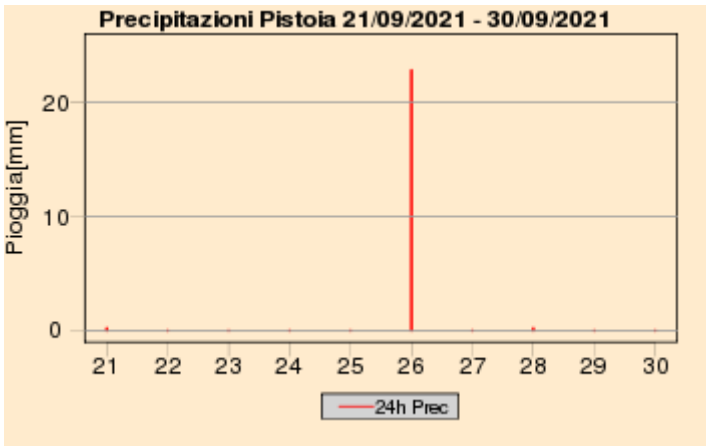






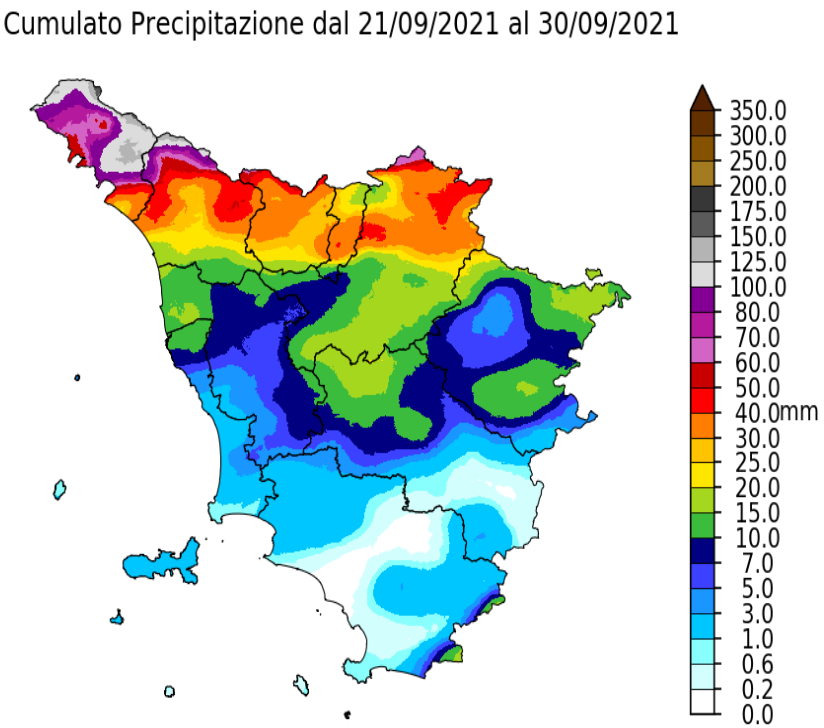






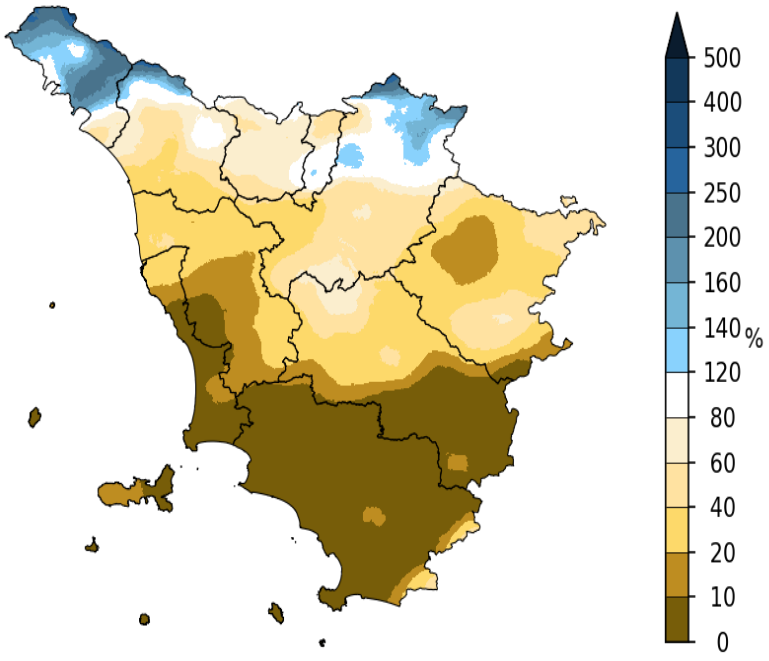


Quadro regionale – Cumulati decadali di precipitazione, anomalia di precipitazione e numero di giorni di pioggia



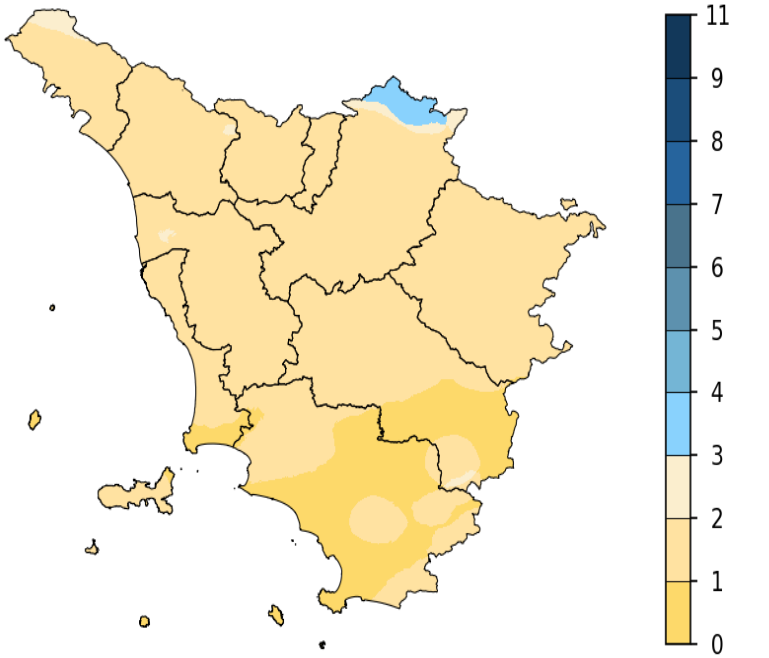
Dati: SIR Regione Toscana, AM, LaMMA

Percentuale di Precipitazione rispetto alla media climatica
dal 21/09/2021 al 30/09/2021



Dati: SIR Regione Toscana, AM, LaMMA

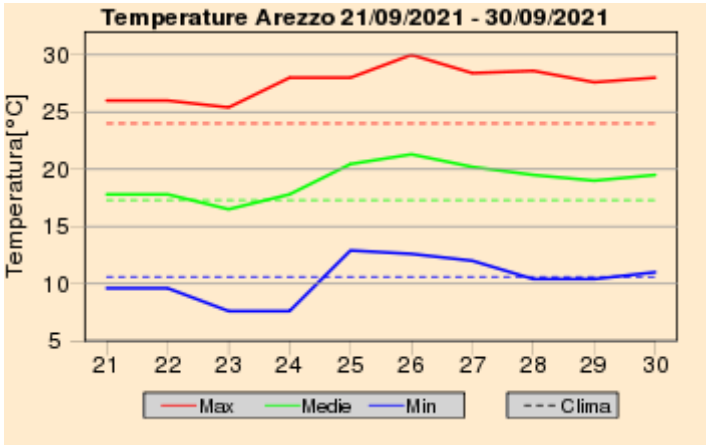
Giorni con Pioggia ≥ di 1 mm dal 21/09/2021 al 30/09/2021

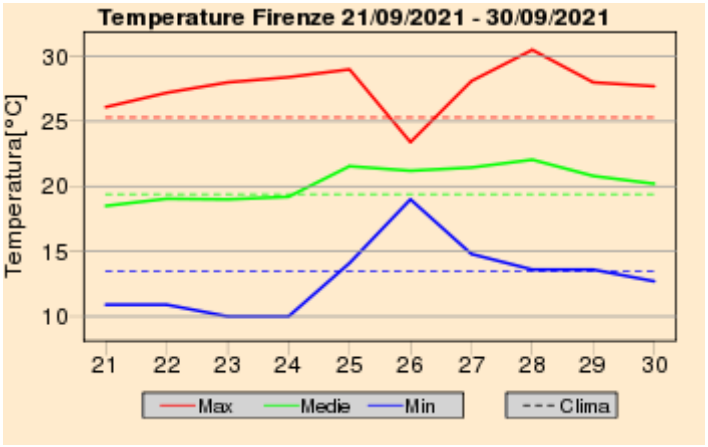


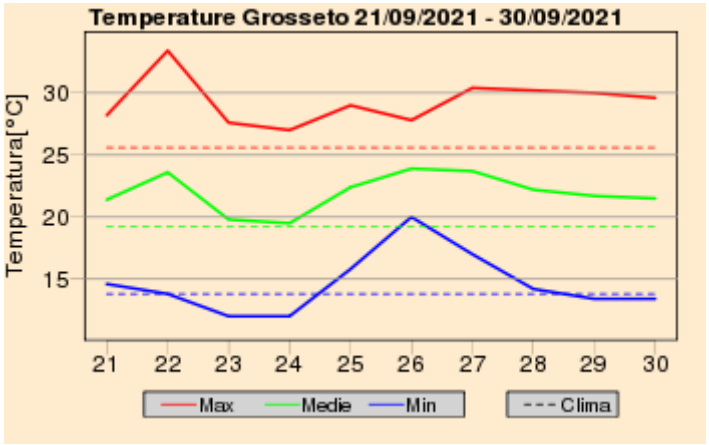
Dati: SIR Regione Toscana, AM, LaMMA

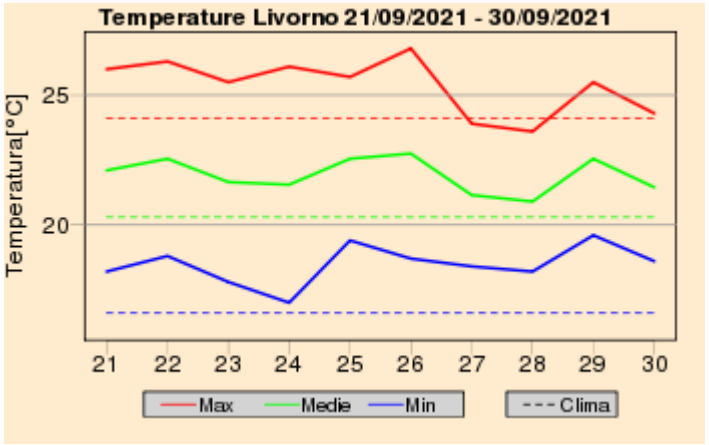
III decade - Quadro regionale – Temperature

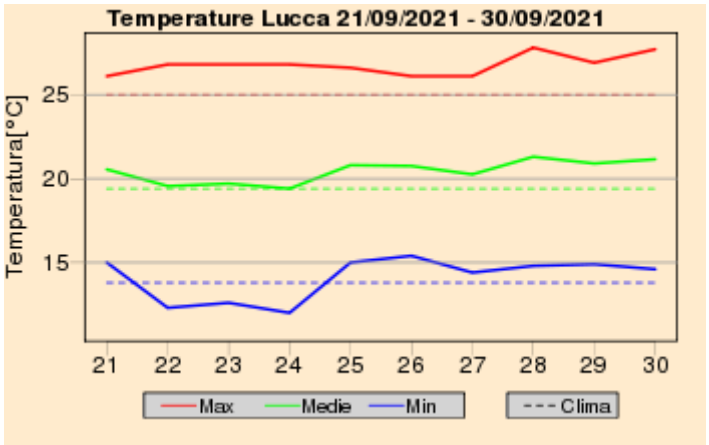
Nel corso della terza decade di Novembre le temperature sono risultate abbastanza stabili e stazionarie, mantenendosi quasi costantemente su valori leggermente superiori alle medie di riferimento; in particolare le massime su gran parte del territorio si sono continuamente mantenute di circa un grado oltre il riferimento climatologico.
Anche questa decade pertanto è risultate leggermente più calda rispetto alla media.

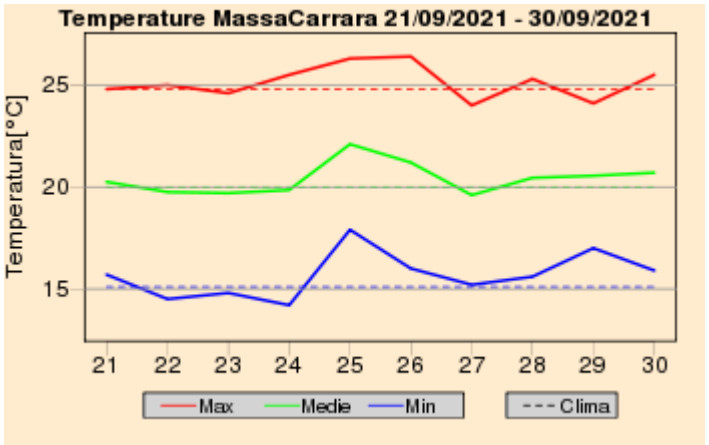


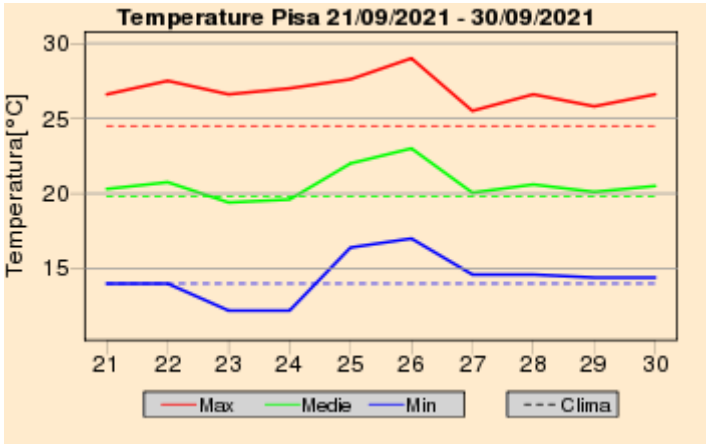


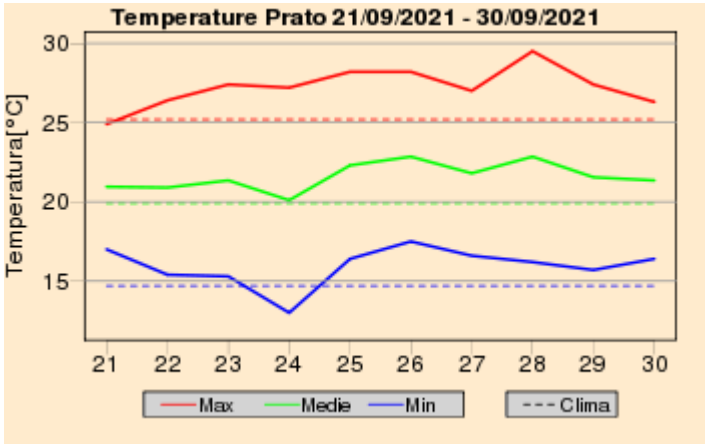


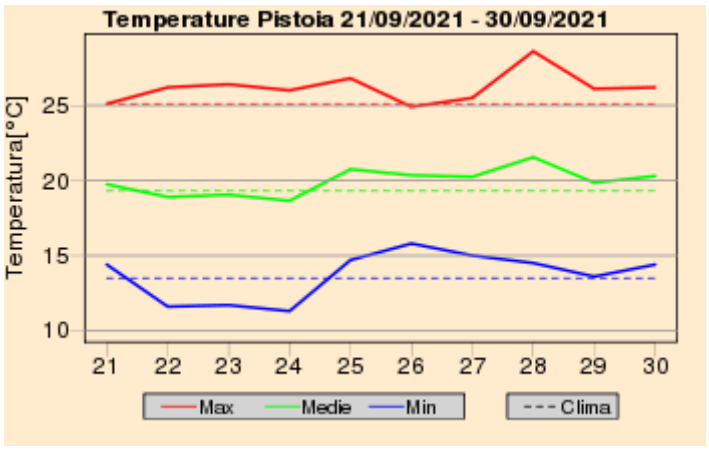


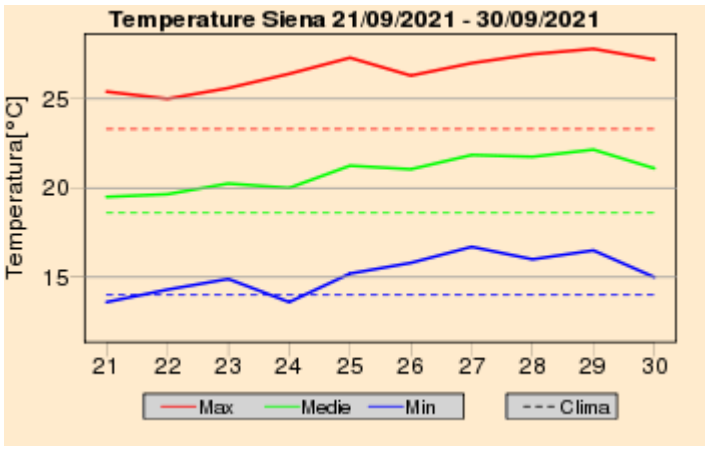




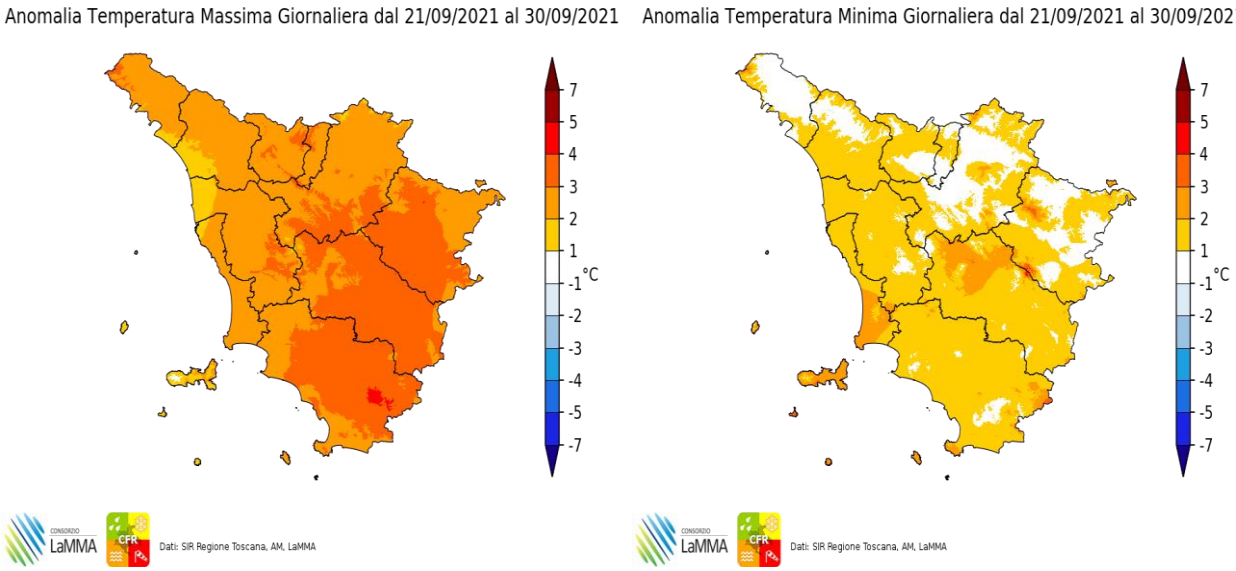








Quadro regionale – Anomalie termiche



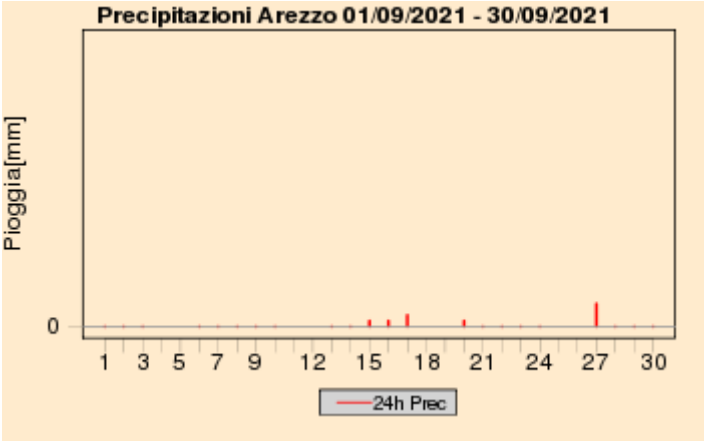
Anomalia termica decadale per le temperature massime e minime giornaliere

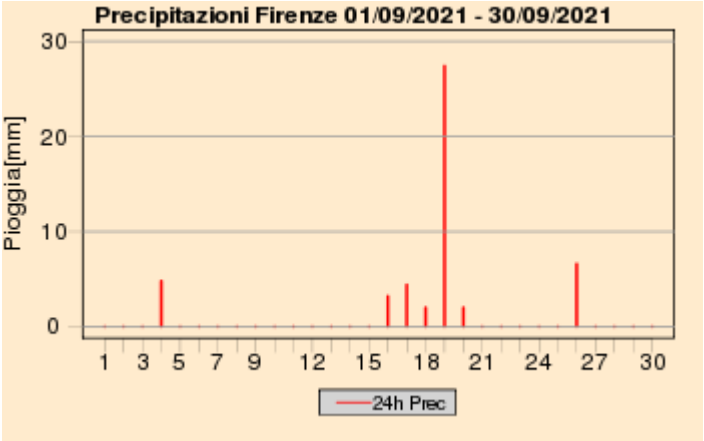
Riepilogo Mensile

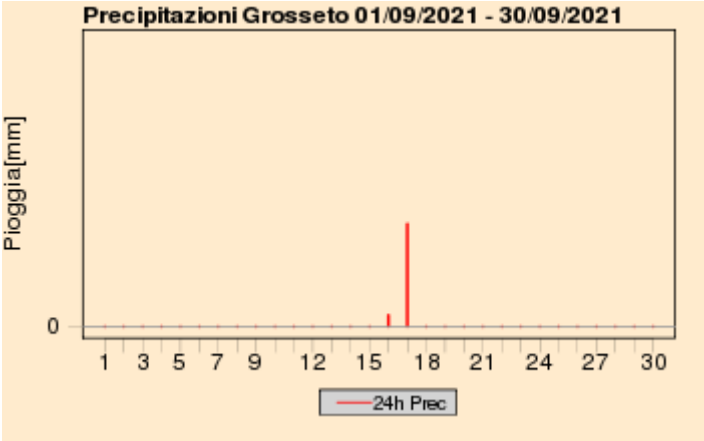
Grafici mensili: Precipitazioni

I cumulati mensili di precipitazione del mese di Settembre sono risultati decisamente eterogenei sul territorio toscano, con un fortissimo gradiente tra zone meridionali e zone settentrionali. Se da un lato infatti su tutte le zone al di sotto del corso del fiume Arno si riportano cumulati mensili decisamente poco rilevanti (inferiori a 30-40 mm), con gli estremi negativi su ampie zone del grossetano e alcune del senese dove in pratica le precipitazioni mensili sono state del tutto assenti, sulle zone settentrionali le piogge sono risultate decisamente più abbondanti, soprattutto sulle zone di nord ovest ove si sono cumulati fino a oltre 200 mm.
Nel complesso la decade ha fatto registrare cumulati comunque decisamente inferiori alle medie.

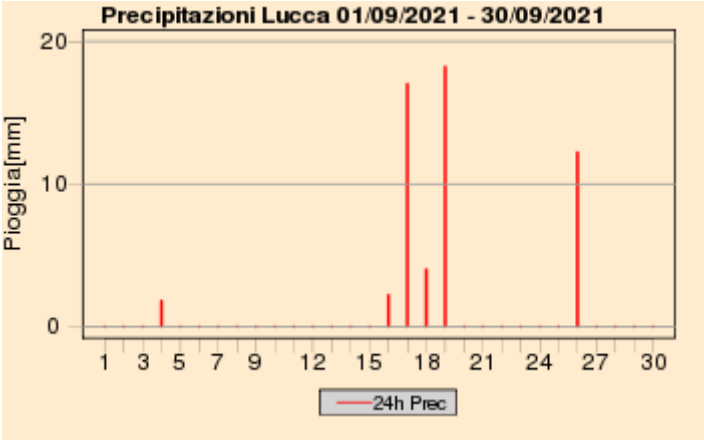
Quadro regionale – Precipitazioni osservate nei capoluoghi

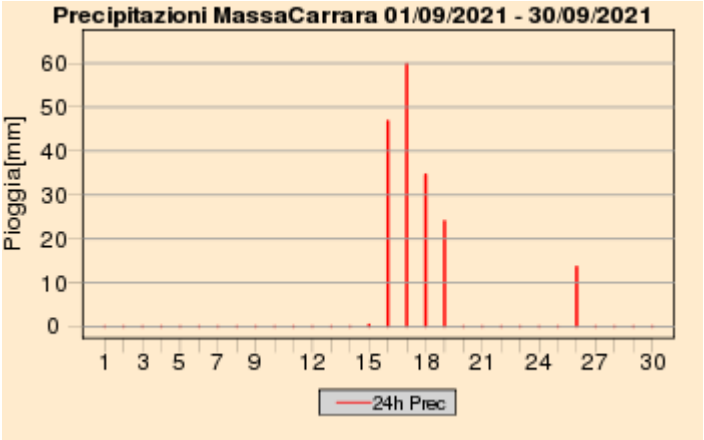


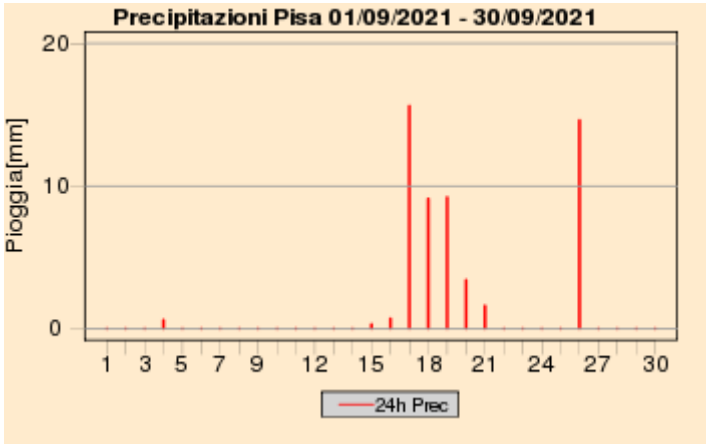


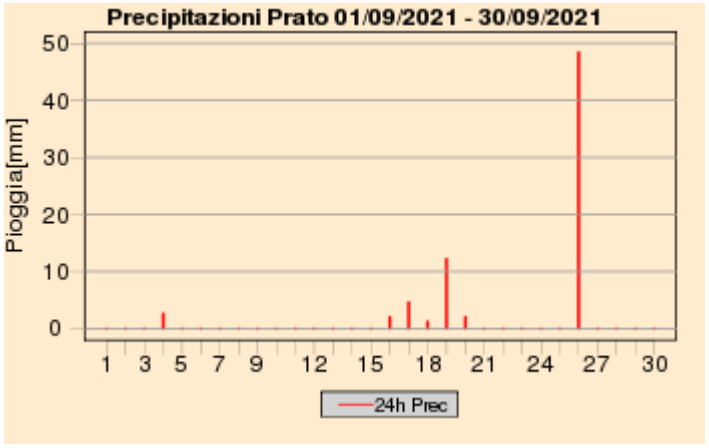


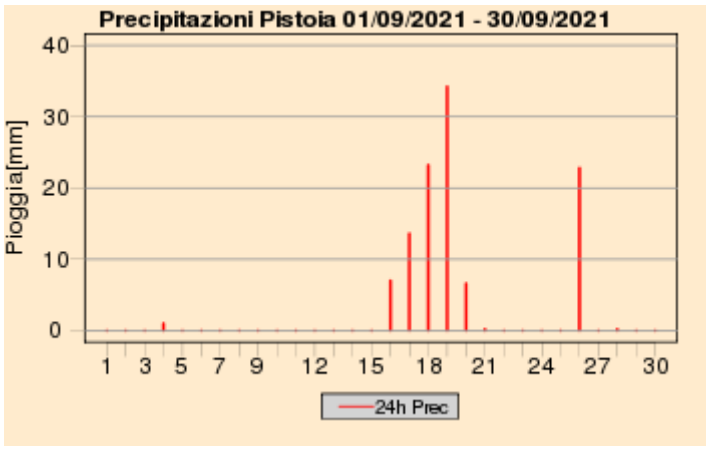


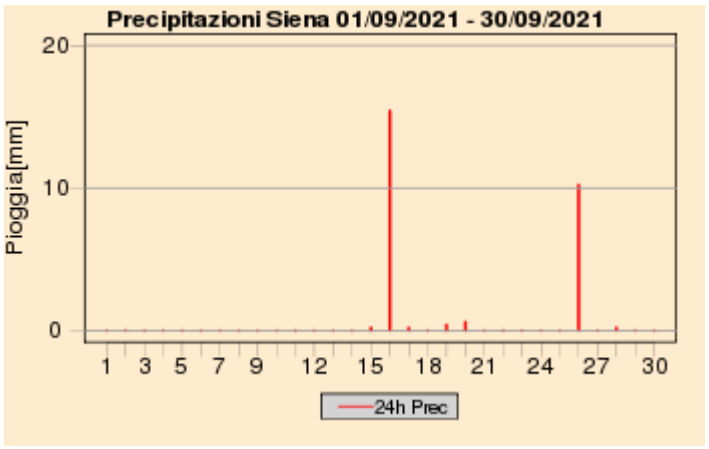




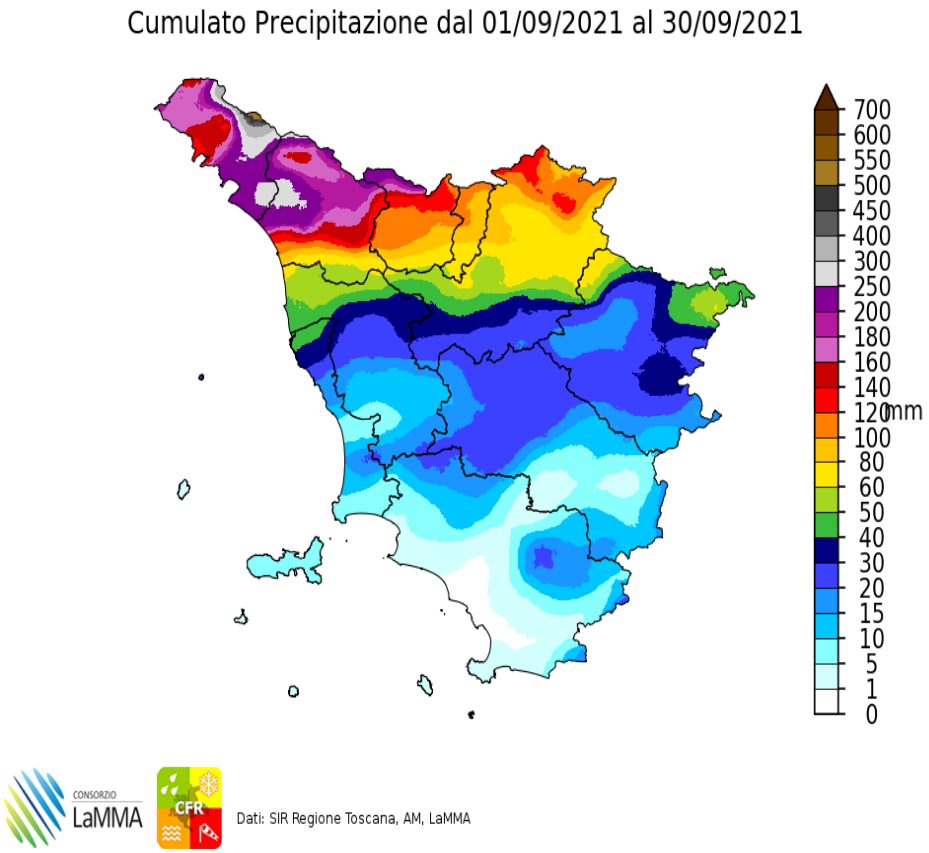


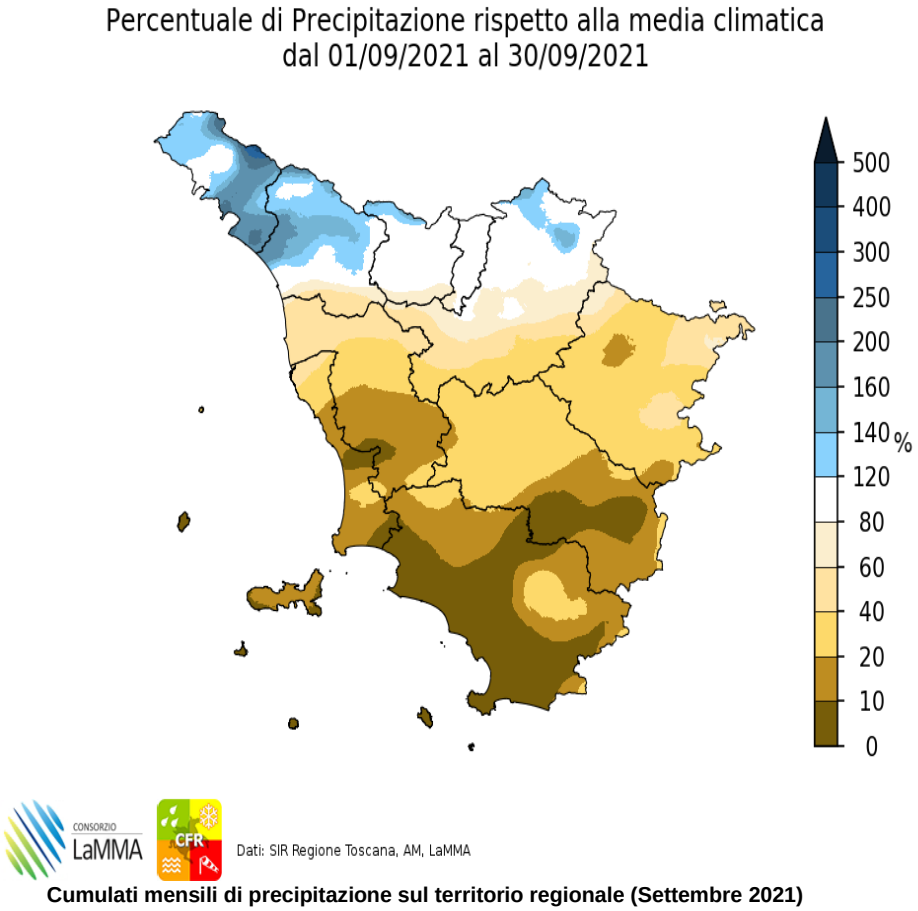




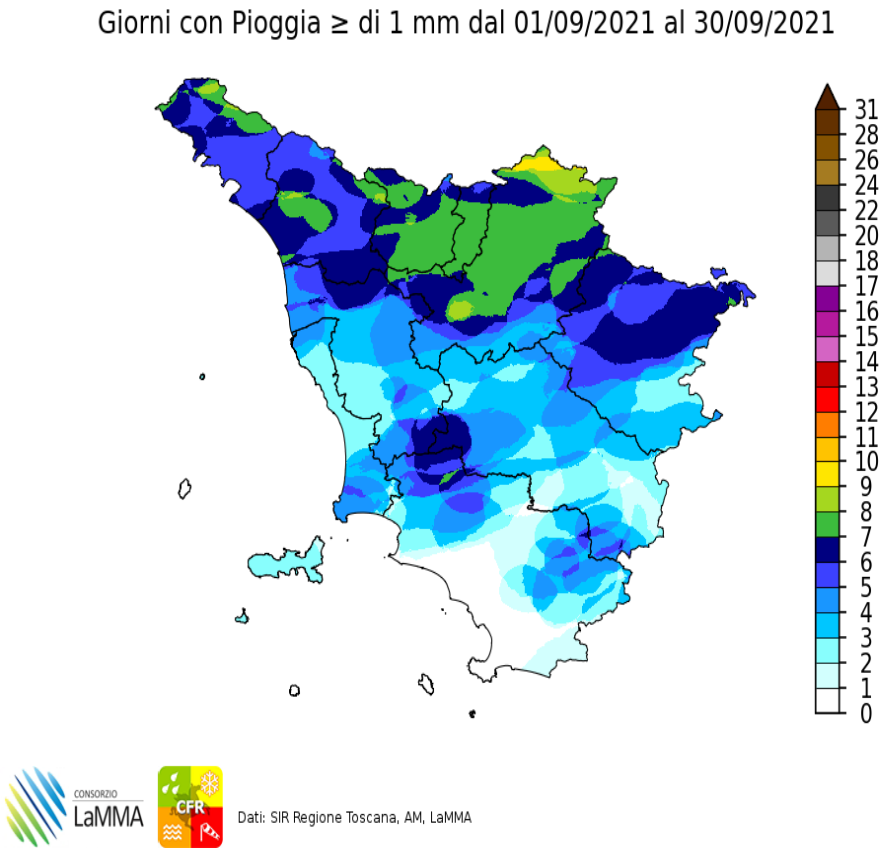


Quadro regionale – Cumulati mensili di precipitazione

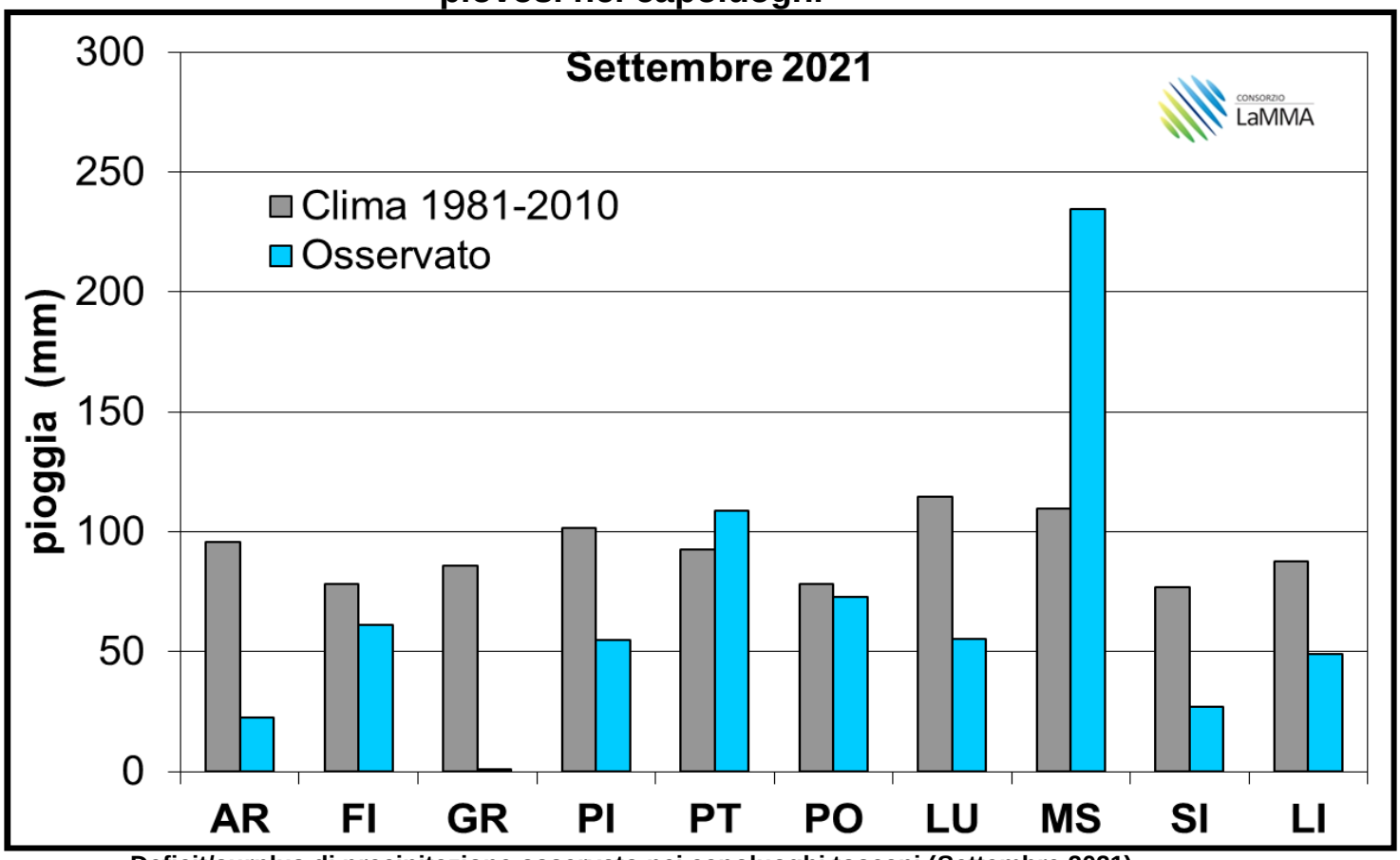




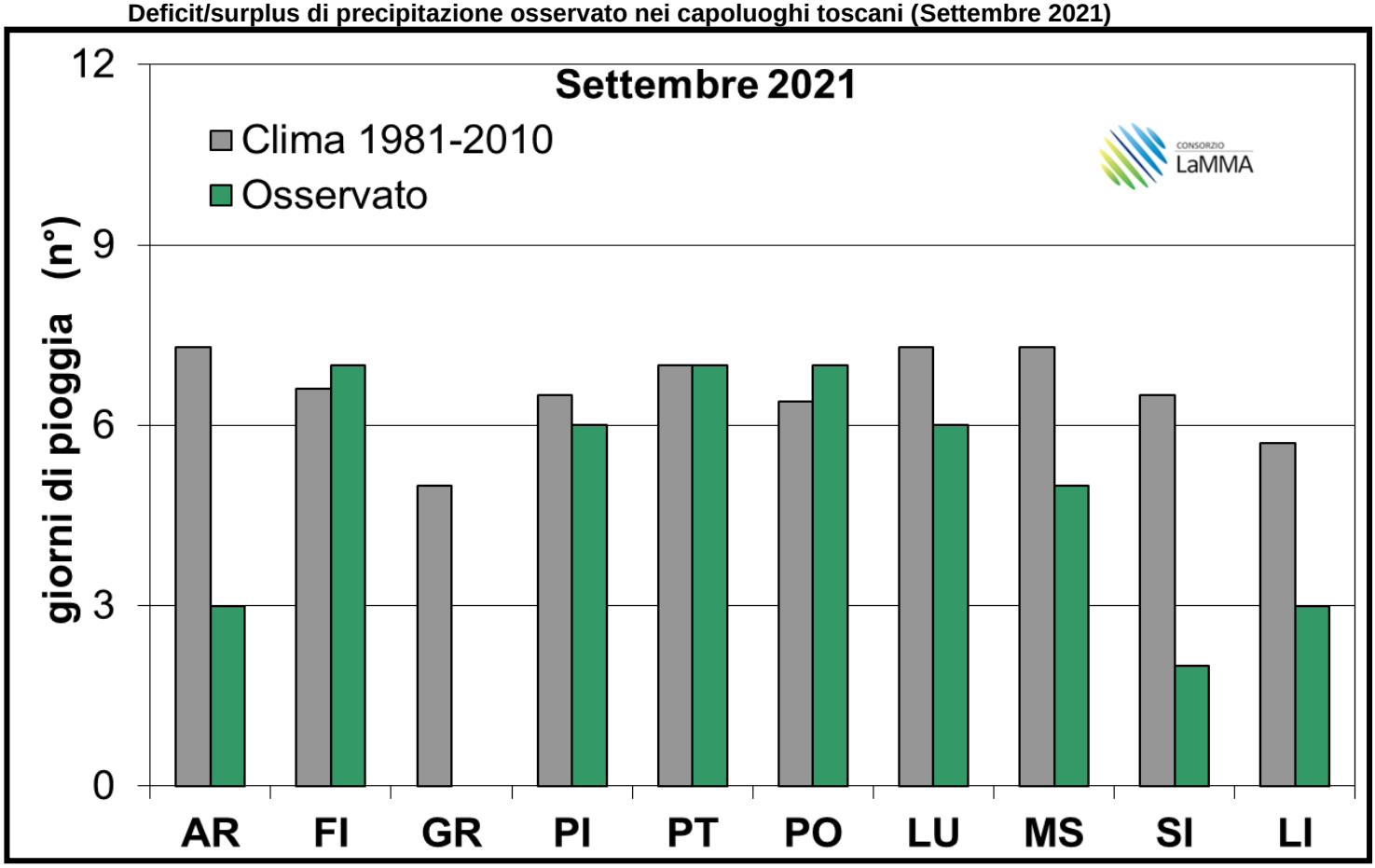
Cumulati mensili di precipitazione sul territorio regionale (Settembre 2021)



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



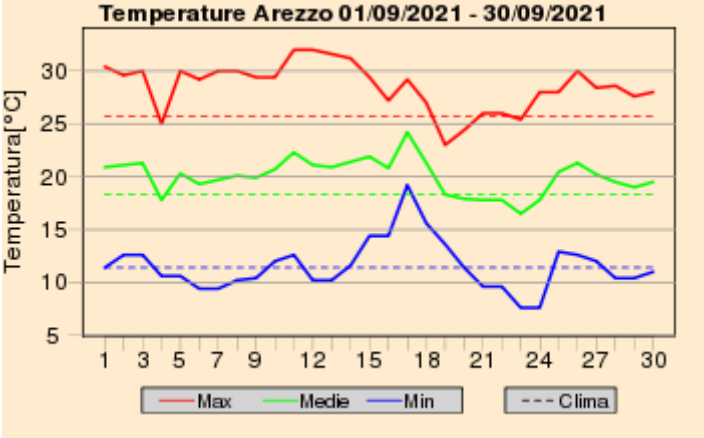
Deficit/surplus di precipitazione osservato nei capoluoghi toscani (Settembre 2021)

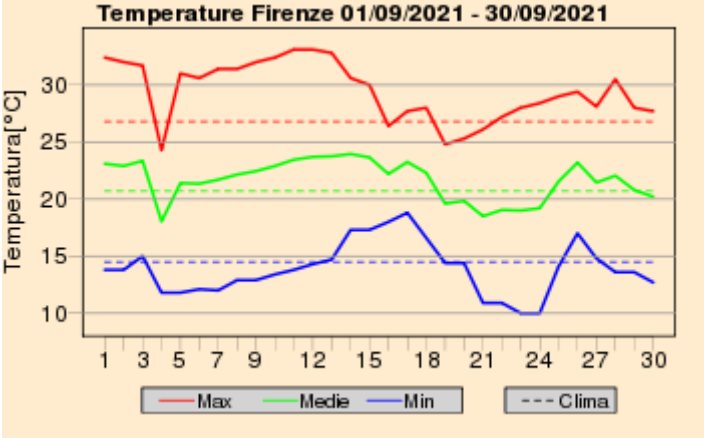


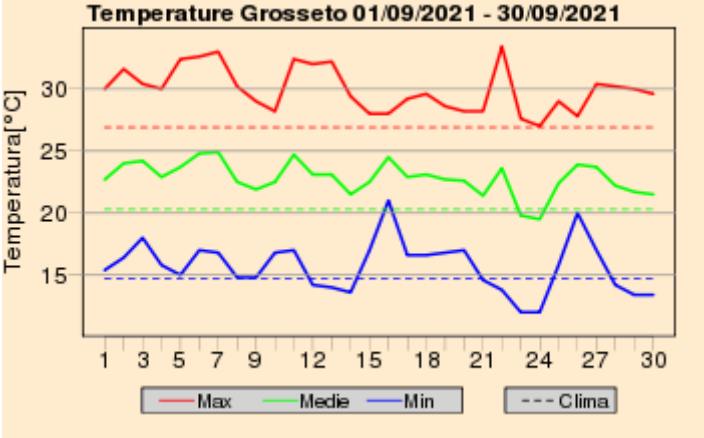
Deficit/surplus di giorni piovosi osservato nei capoluoghi toscani (Settembre 2021)

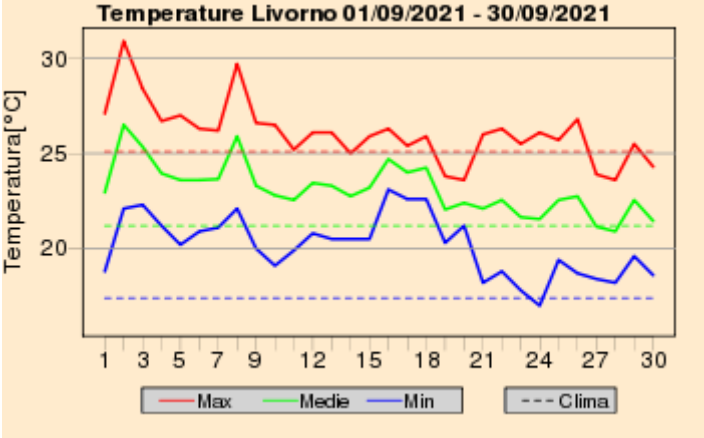
Grafici mensili: Temperature

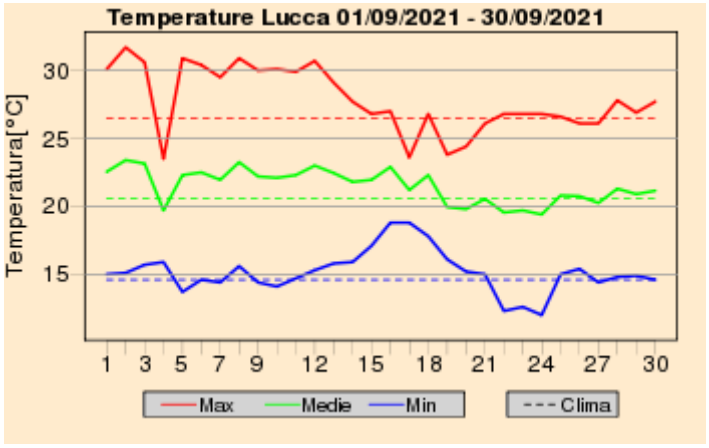
Dal punto di vista termico il mese di Settembre è risultato sensibilmente più caldo rispetto alla normale climatica calcolata sul trentennio 81-2010, risultando il quarto settembre più caldo dal 1955 dopo quelli del 2011, del 1987 e del 1967.
Le maggiori anomalie positivee sono state osservate per i valori massimi giornalieri superiori alle medie di oltre 2.5 °C rispetto alla media; più contenente le anomalie positive per quanto riguarda invece i valori minimi giornalieri, cha hanno fatto registrare scarti dalle medie attorno a 1 °C.










Temperature Lucca 01/09/2021 - 30/09/2021
Temperatura[°C]
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Max
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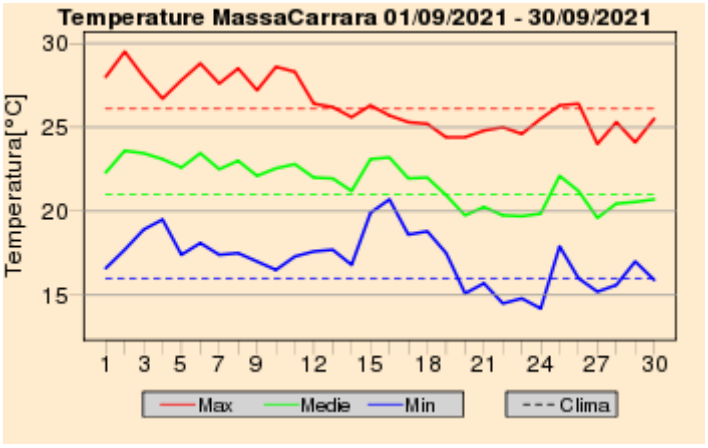
Temperature MassaCarrara 01/09/2021 - 30/09/2021
Temperatura[°C]
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1 3 5 7 9 12 15 18 21 24 27 30
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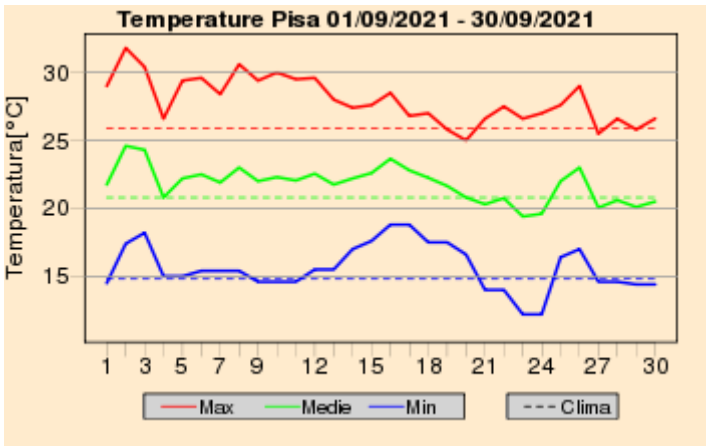
Temperature Pisa 01/09/2021 - 30/09/2021
Temperatura[°C]
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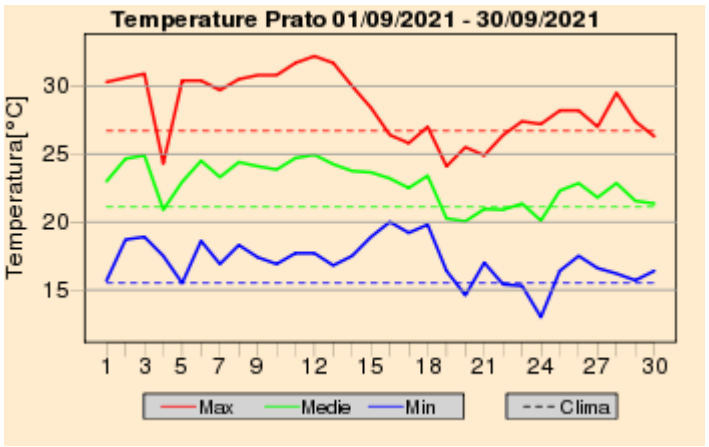
Clima


Temperature Prato 01/09/2021 - 30/09/2021
Temperatura[°C]
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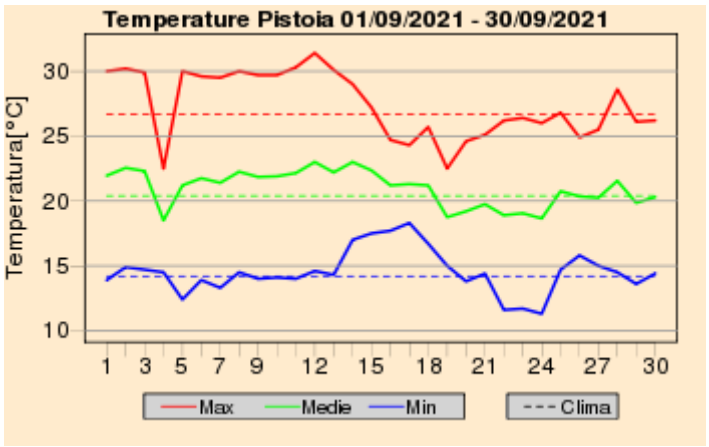
Temperature Pistoia 01/09/2021 - 30/09/2021
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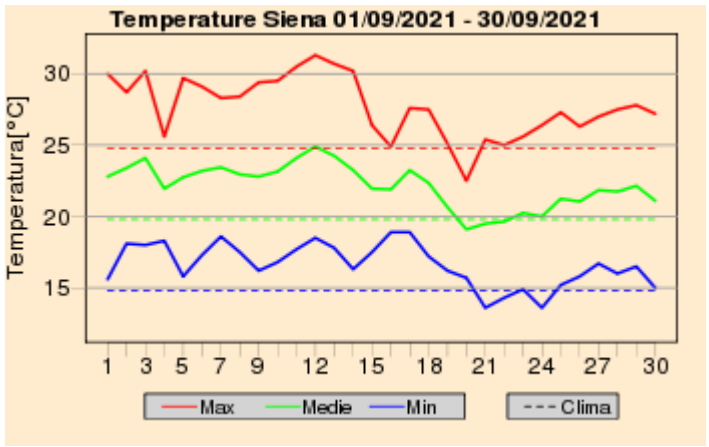
Temperature Siena 01/09/2021 - 30/09/2021
Temperatura[°C]
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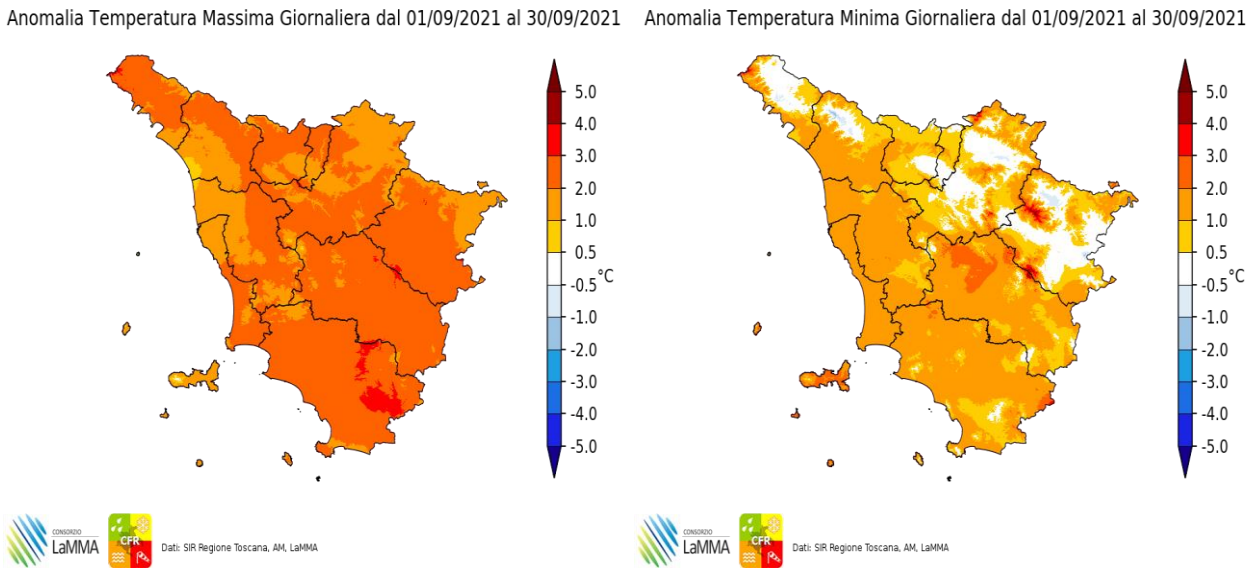
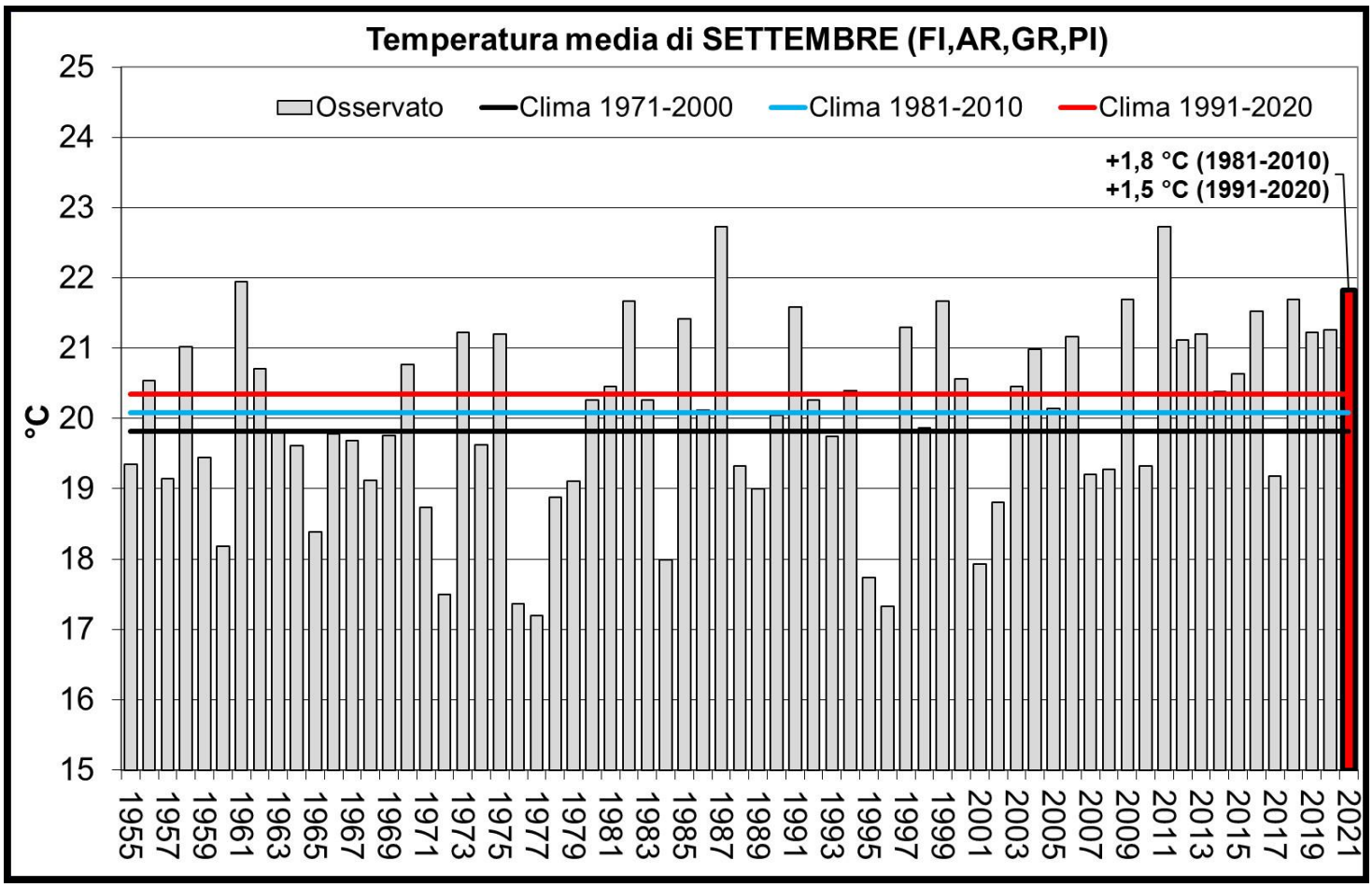
Quadro regionale – Anomalie termiche



Anomalia termica mensile per le temperature massime e minime giornaliere



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