



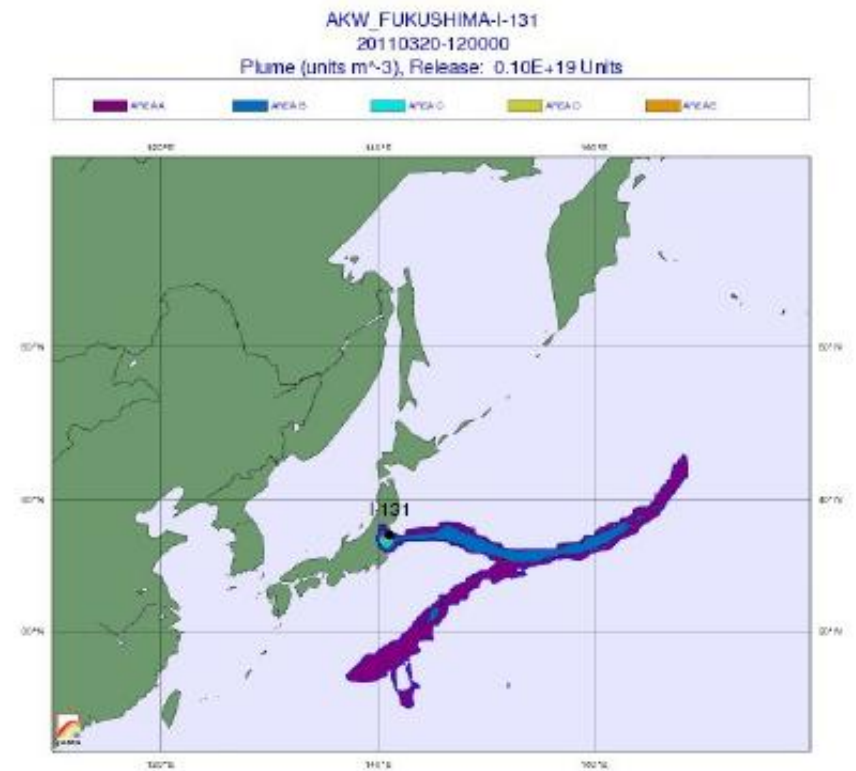
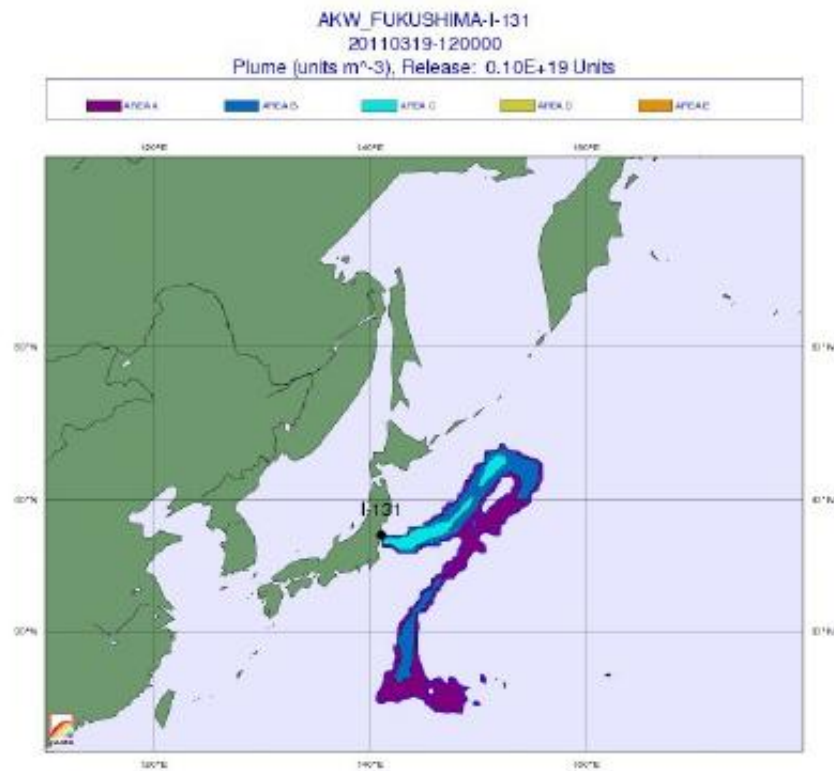
**MINISTERUL MEDIULUI SI PADURILOR
ADMINISTRATIA NATIONALA DE METEOROLOGIE**



SCHIMBARI IN EVOLUTIA REGIMULUI TERMIC SI DE PRECIPITATII IN ROMANIA. PERSPECTIVA METEOROLOGICA PENTRU INTERVALUL APRILIE – IUNIE 2011

**ZIUA MONDIALA A METEOROLOGIEI
“CLIMA PENTRU TINE”
23 MARTIE 2011
BUCURESTI**

19 MARTIE 2011

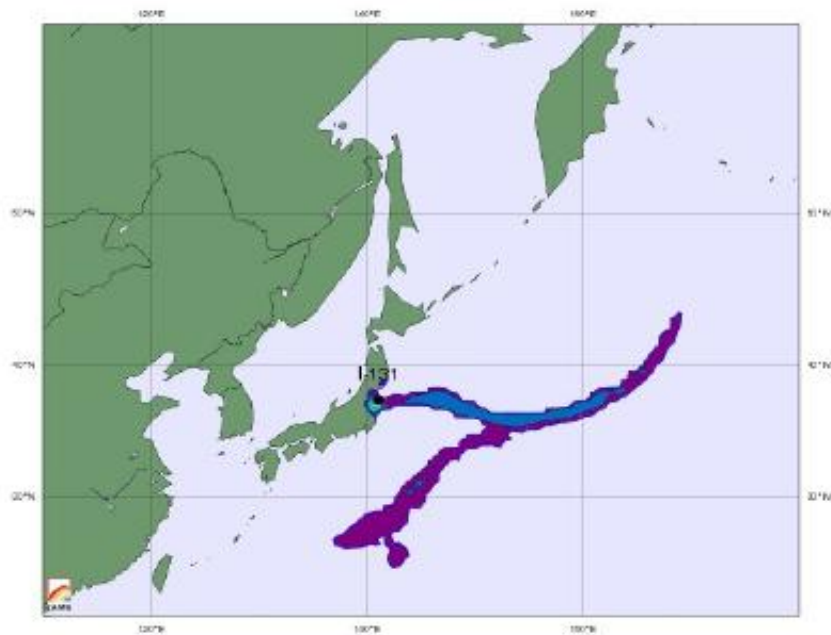


20 MARTIE 2011

AKW_FUKUSHIMA-I-131

20110320-120000

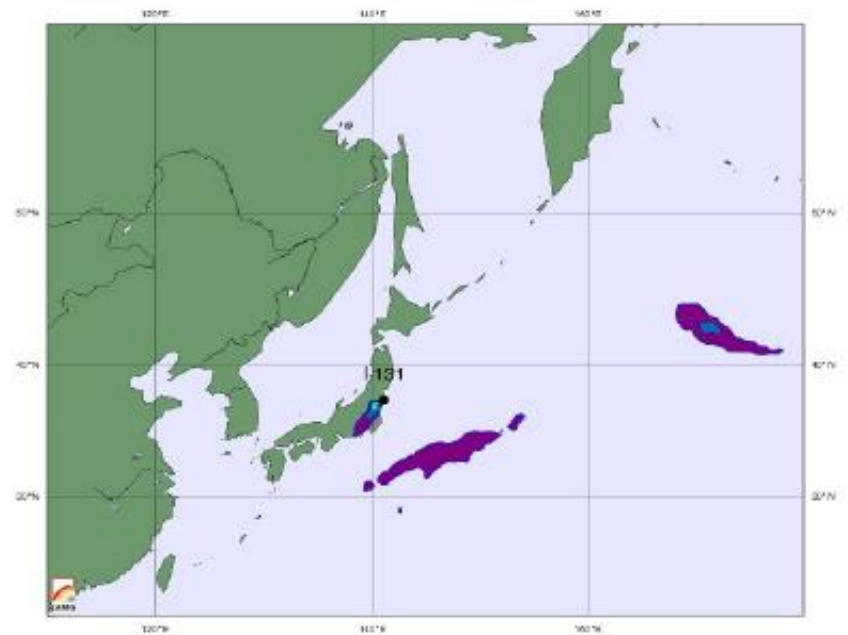
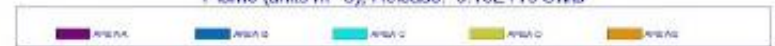
Plume (units m^{-3}), Release: $0.10\text{E}+19$ Units



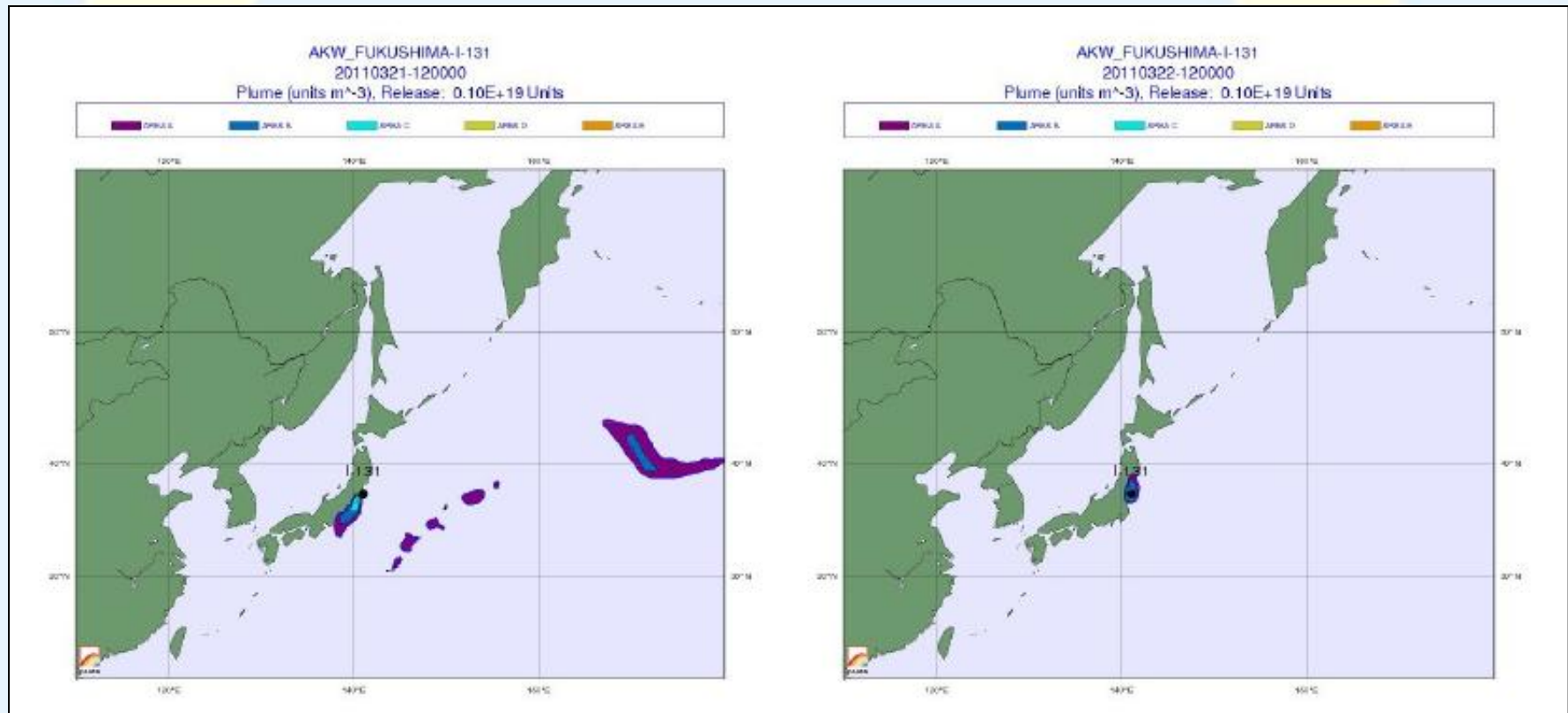
AKW_FUKUSHIMA-I-131

20110321-120000

Plume (units m^{-3}), Release: $0.10\text{E}+19$ Units

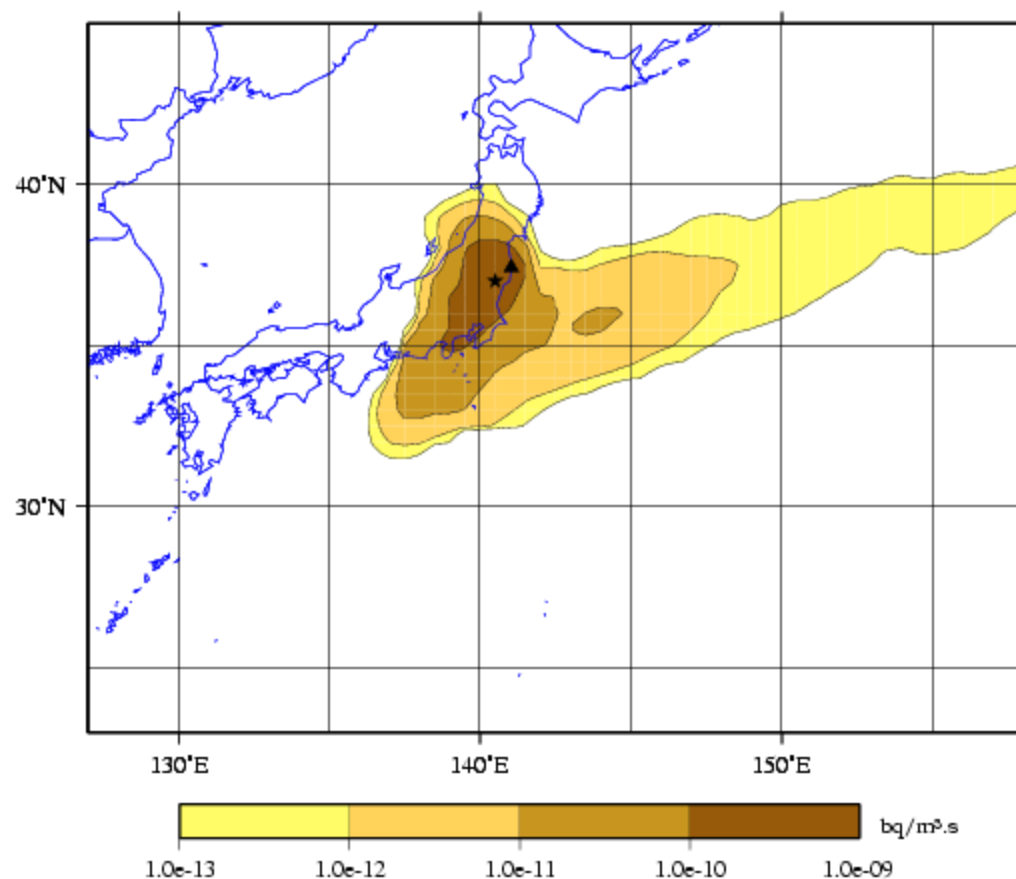


21 MARTIE 2011



Accident de Fukushima du 20/03/2011

Concentration moyenne sur la couche 0m-500m en $\text{Bq/m}^3 \cdot \text{s}$
le 22/03/2011 00h00 UTC intégrée sur les 24 dernières heures



Les contours peuvent varier d'une carte à l'autre

Modèle de dispersion :
MOCAGE Accident
Modèle météo : CEP

INFORMATIONS REJET

Site : Fukushima
Début émission : 20/03/2011 07h30 UTC
Durée rejet : 72h00
Lat. rejet : 37.421 N ; 37°25'15" N
Lon. rejet : 141.033 E ; 141°1'58" E
Débit d'émission : $1.4\text{e-}02 \text{ Bq/h}$
Base : 20m
Sommet : 500m
Polluant émis : I-131

INFORMATIONS MODELE

Résolution de la grille : 0.5°
Base modèle
Réseau : 20/03/2011 00UTC

Valeur max échéance courante :
 $6.25173\text{e-}10 \text{ Bq/m}^3 \cdot \text{s}$

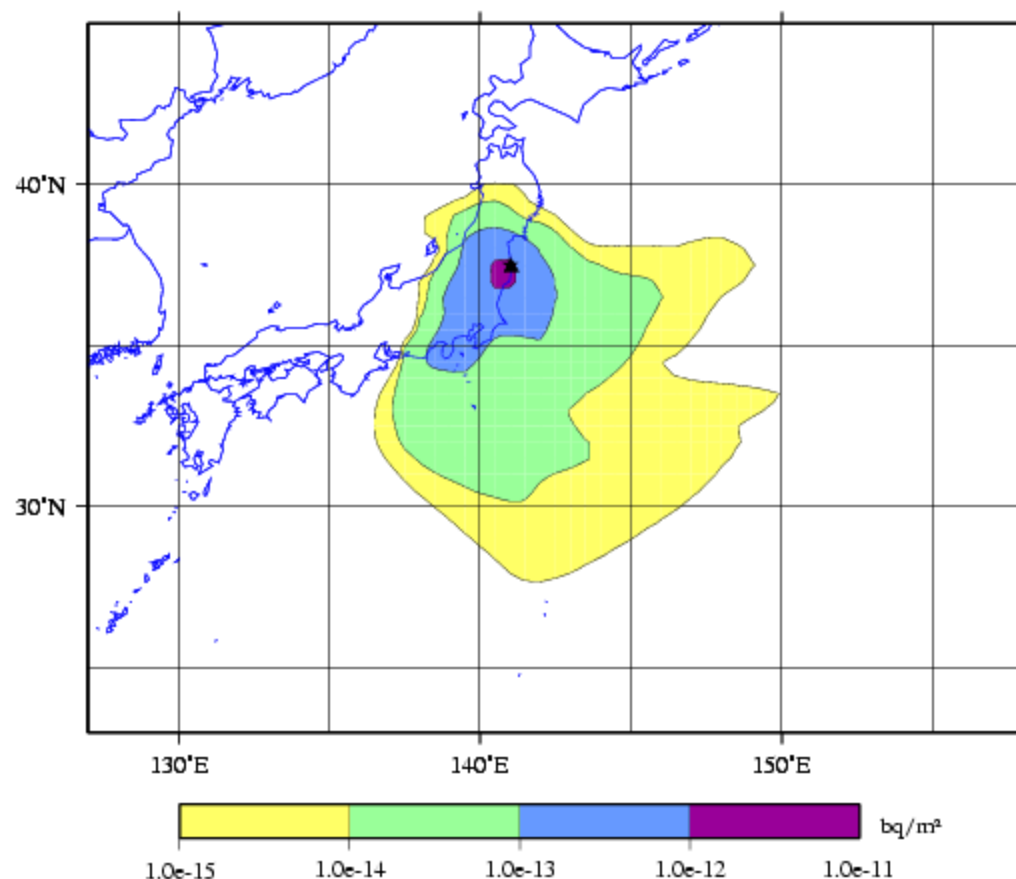
Position du maximum ★
Position de la source ▲

 **METEO
FRANCE**
CMRS TOULOUSE

Créé le 20/03/2011 09:13:08 UTC

Accident de Fukushima du 20/03/2011

Dépot total au sol (sec + humide) en bq/m²
le 23/03/2011 00h00 UTC



Les contours peuvent varier d'une carte à l'autre

Modèle de dispersion :
MOCAGE Accident
Modèle météo : CEP

INFORMATIONS REJET

Site : Fukushima
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Sommet : 500m
Polluant émis : I-131

INFORMATIONS MODELE

Résolution de la grille : 0.5°
Base modèle
Réseau : 20/03/2011 00UTC

Valeur max échéance courante :
1.38993e-12 bq/m²

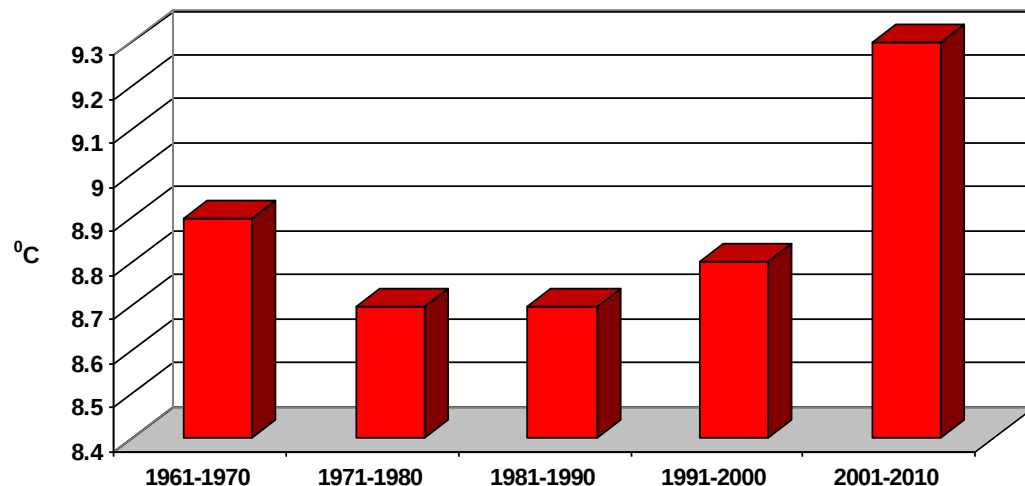
Position du maximum ★
Position de la source ▲



Créé le 20/03/2011 09:13:08 UTC

Caracteristici specifice regimului termic – ROMANIA

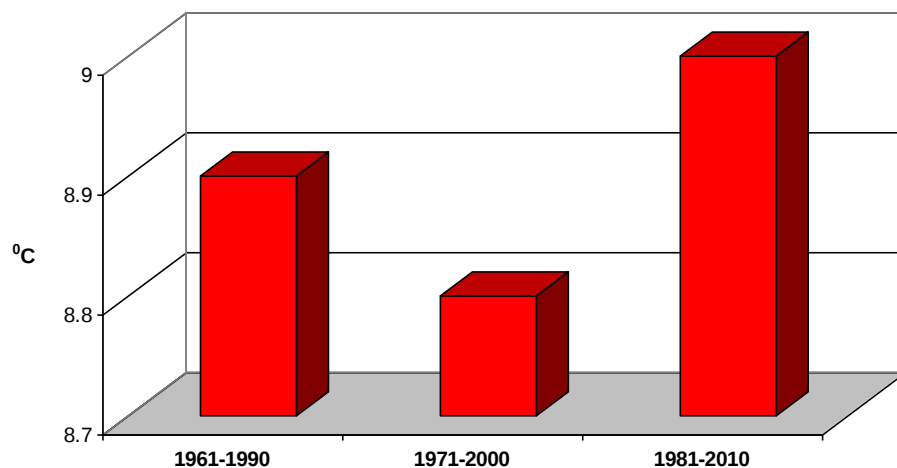
Evolutia deceniala privind temperatura medie multianuala a aerului - Romania



	Temperatura medie a aerului (°C)
1961-1970	8.9
1971-1980	8.7
1981-1990	8.7
1991-2000	8.8
2001-2010	9.3

2001-2010 / + 0.4...0.6°C

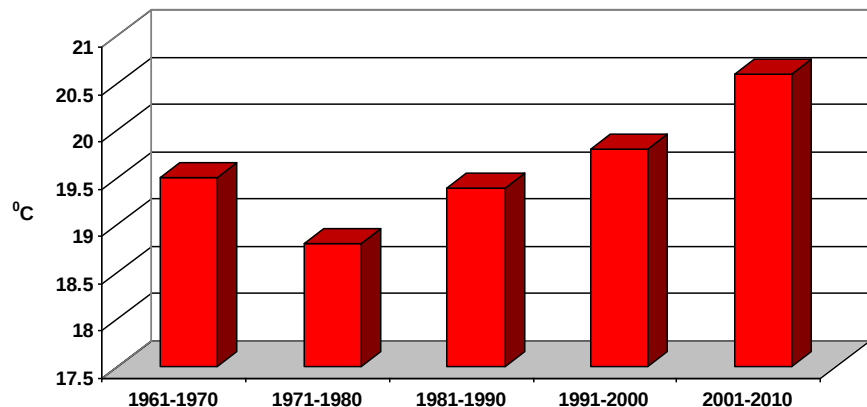
Temperatura medie multianuala a aerului - Romania



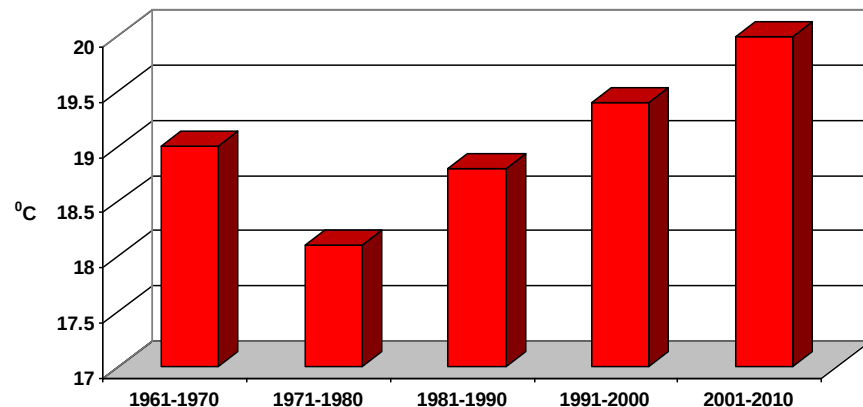
	Temperatura medie multianuala a aerului (°C)
1961-1990	8.9
1971-2000	8.8
1981-2010	9.0

Caracteristici specifice regimului termic in lunile iulie si august – ROMANIA

Evolutia deceniala privind temperatura medie a aerului
in luna iulie - Romania



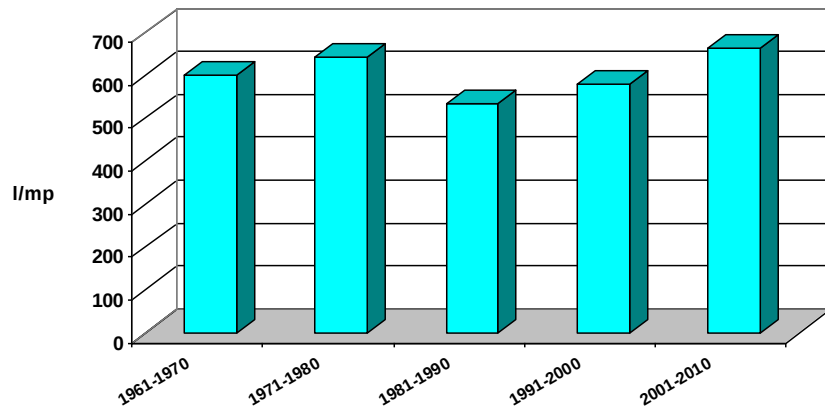
Evolutia deceniala privind temperatura medie a aerului
in luna august - Romania



	Temperatura medie lunara a aerului (°C)	
	IULIE	AUGUST
1961-1970	19.5	19.0
1971-1980	18.8	18.1
1981-1990	19.4	18.8
1991-2000	19.8	19.4
2001-2010	20.6	20.0
	+ 0.8...1.8°C	+ 0.6...1.9°C

Caracteristici specifice regimului pluviometric anual – ROMANIA*

Evolutia deceniala a cantitatilor medii anuale de precipitatii - Romania

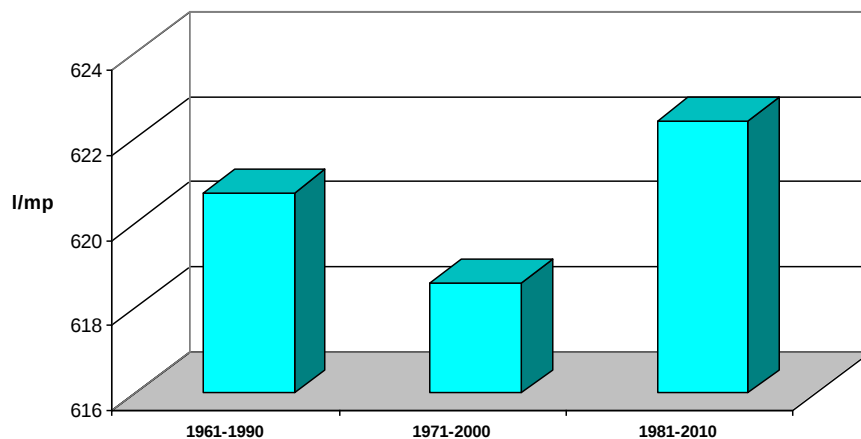


	Cantitatea medie multianuala de precipitatii (l/mp)
1961-1970	598.4 l/mp
1971-1980	641.9 l/mp
1981-1990	532.6 l/mp / deceniul cel mai secetos
1991-2000	577.6 l/mp
2001-2010	661.6 l/mp / deceniul cel mai ploios
	⇒ 500.0 – 600.0 l/mp / regim pluviometric anual moderat secetos ⇒ 601.0 – 700.0 l/mp / regim pluviometric anual optim

An ploios / 2005 – 901.4 l/mp

An secetos / 2000 – 430.8 l/mp

Cantitati medii multianuale de precipitatii - Romania

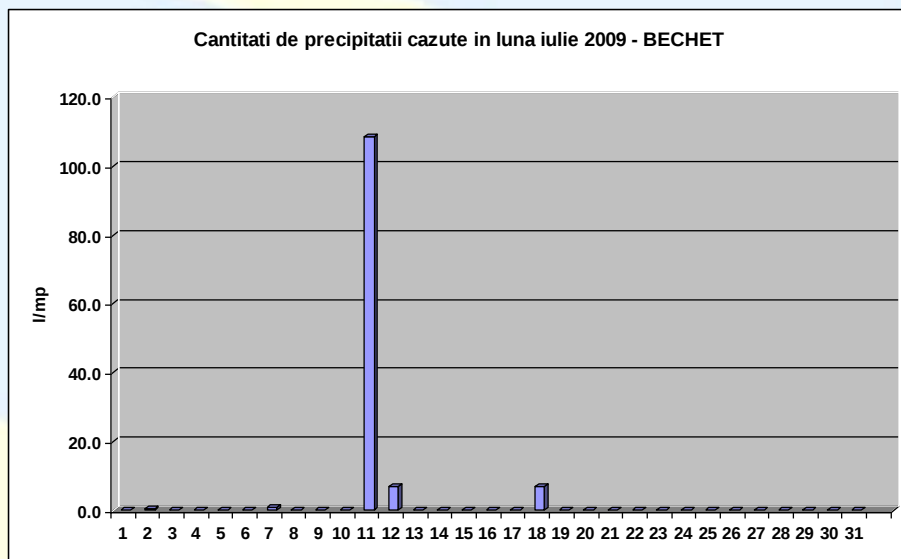
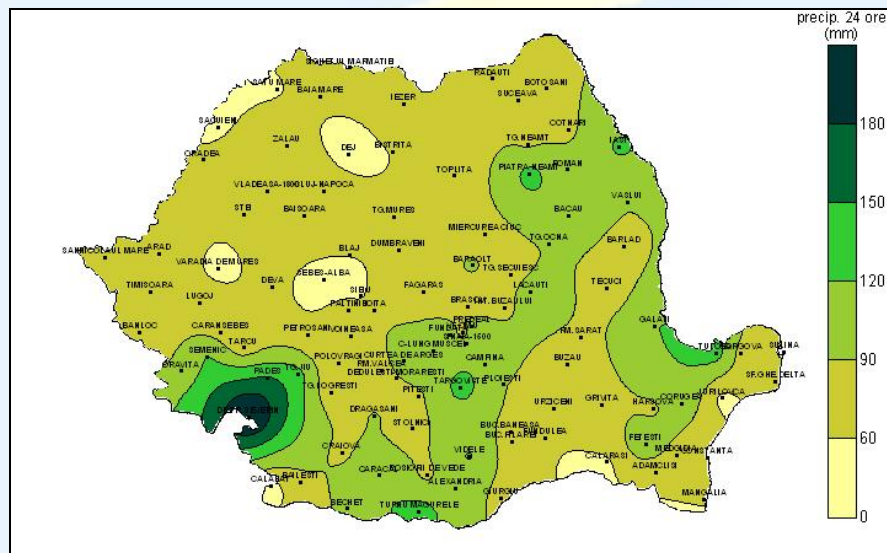


	Cantitatea medie multianuala de precipitatii (l/mp)
1961-1990	620.7 l/mp
1971-2000	618.6 l/mp
1981-2010	622.4 l/mp

*159 statii meteorologice si 70 posturi pluviometrice / Romania

Cantitatea maxima de precipitatii (mm) cazuta in 24 de ore, perioada 1961-2007

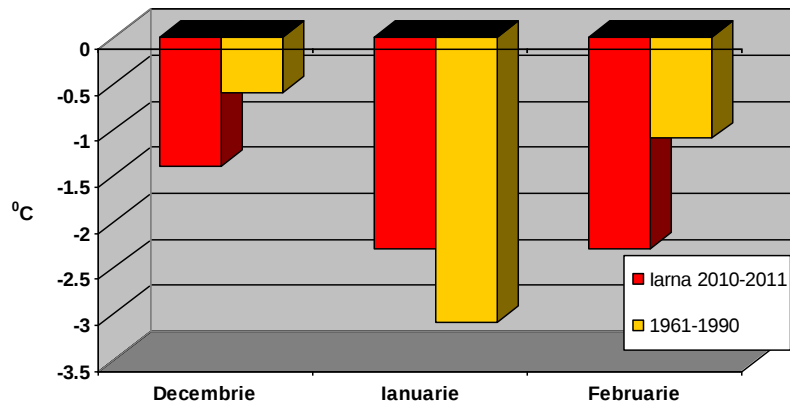
IULIE / MM = 78.2 l/mp



Statia agrometeo	Precipitatii (l/mp) cazute in iulie 2009/ valoare maxima in 24 ore		Valoarea medie multianuala lunara (1961-1990)
BECHET	123.8 l/mp	108.6 l/mp / 11 iulie 2009	54.4 l/mp
	⇒ 24 zile fara precipitatii		
	⇒ 19-31 iulie 2009 / 13 zile consecutive fara precipitatii		

Analiza regimului termic mediu lunar si a precipitatiilor in iarna 2010-2011, comparativ cu normele climatologice

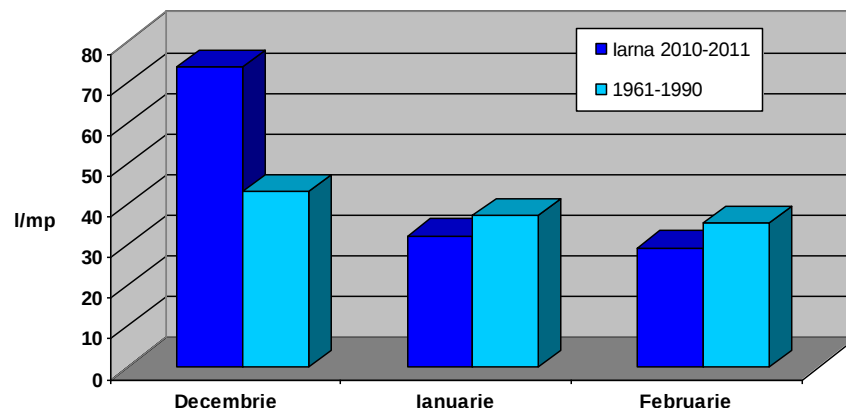
Temperatura medie lunara a aerului in iarna 2010-2011, comparativ cu normele climatologice



Temperatura medie lunara a aerului (°C)	XII	I	II
2010-2011	-1.4 ⁰ C	-2.3 ⁰ C	-2.3 ⁰ C
1961-1990	-0.6 ⁰ C	-3.1 ⁰ C	-1.1 ⁰ C
Abatere	-0.8 ⁰ C	0.8 ⁰ C	-1.2 ⁰ C

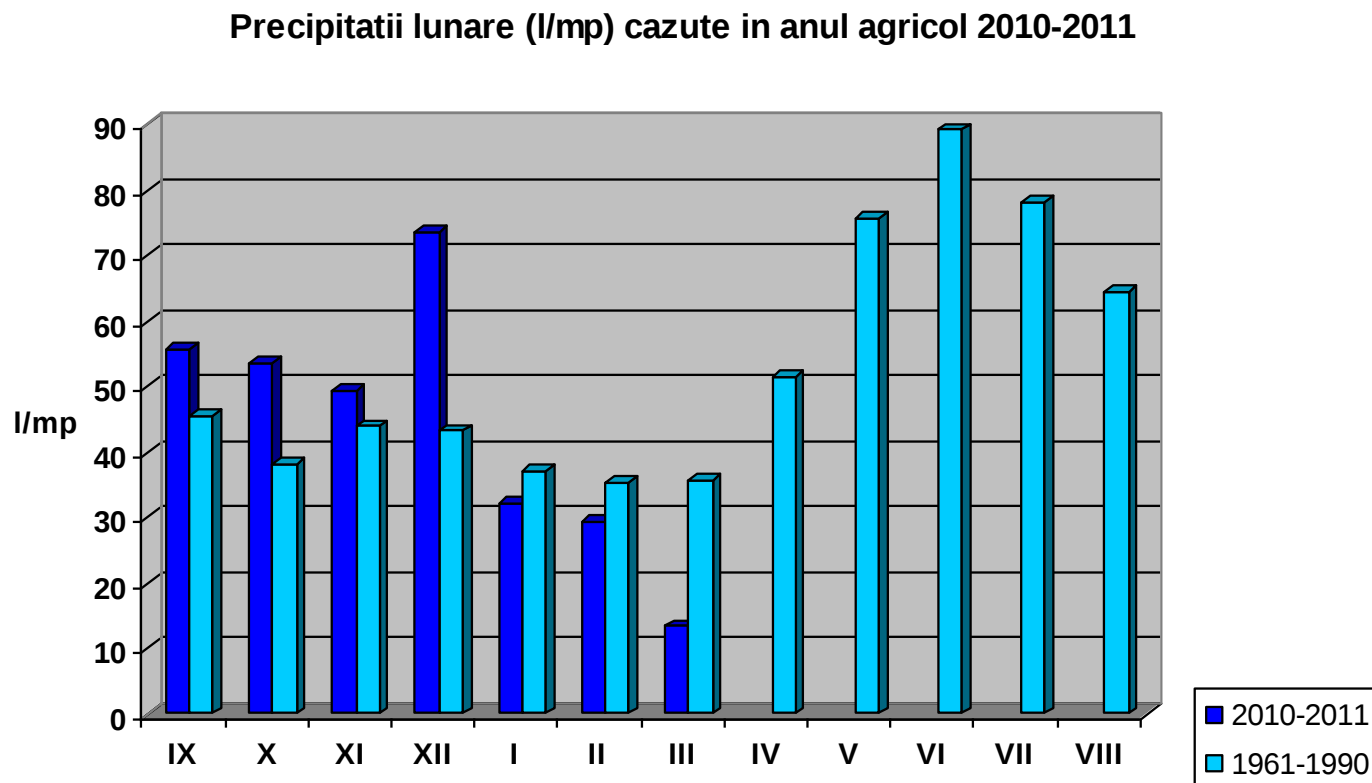
Precipitatii (l/mp)	XII	I	II
2010-2011	73.7	32.2	29.3
1961-1990	43.2	37.2	35.4
Abatere (l/mp)	30.5	-4.9	-6.1

Cantitati lunare de precipitatii in iarna 2010-2011, comparativ cu normele climatologice



PRECIPITATII LUNARE CAZUTE IN ROMANIA

INTERVALUL 1 SEPTEMBRIE 2010 – 31 AUGUST 2011



Intervalul	Precipitatii lunare (l/m)											
	IX	X	XI	XII	I	II	III	IV	V	VI	VII	VIII
2010 - 2011	55.7	53.7	49.4	73.7	32.3	29.3	13.4*					
1961 - 1990	45.5	38.1	43.9	43.2	37.2	35.4	35.6	51.5	75.7	89.2	78.2	64.4
Abatere (l/mp)	10.2	15.6	5.5	30.5	-4.9	-6.1						

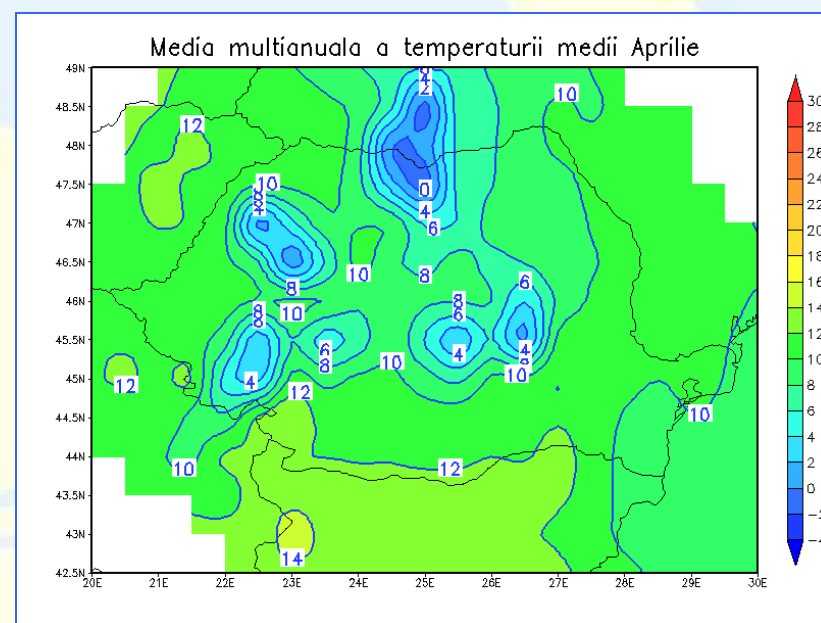
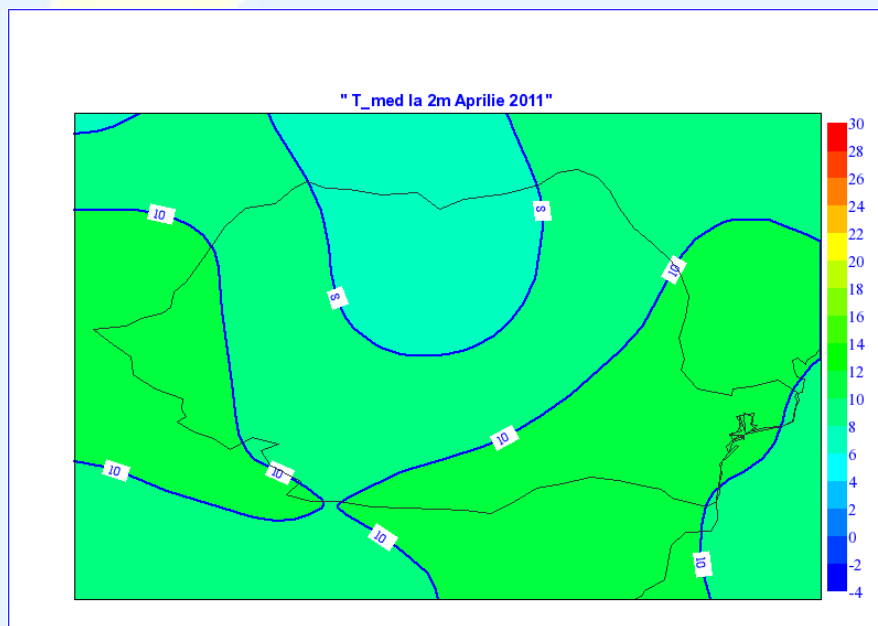
*1-20 martie 2011

APRILIE

TEMPERATURA MEDIE LUNARA A AERULUI

ESTIMARI ECMWF / APRILIE 2011

VALORI MEDII MULTIANUALE LUNARE
/1961-1990



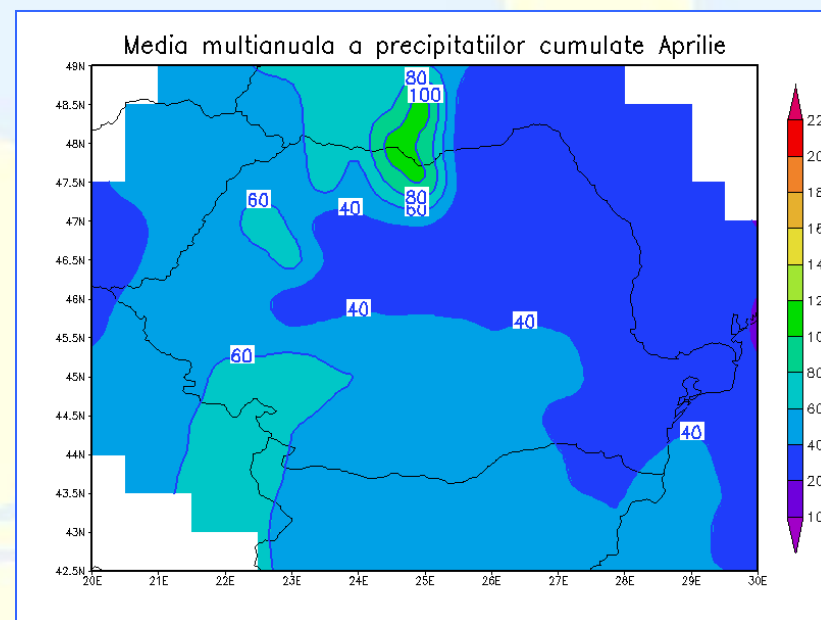
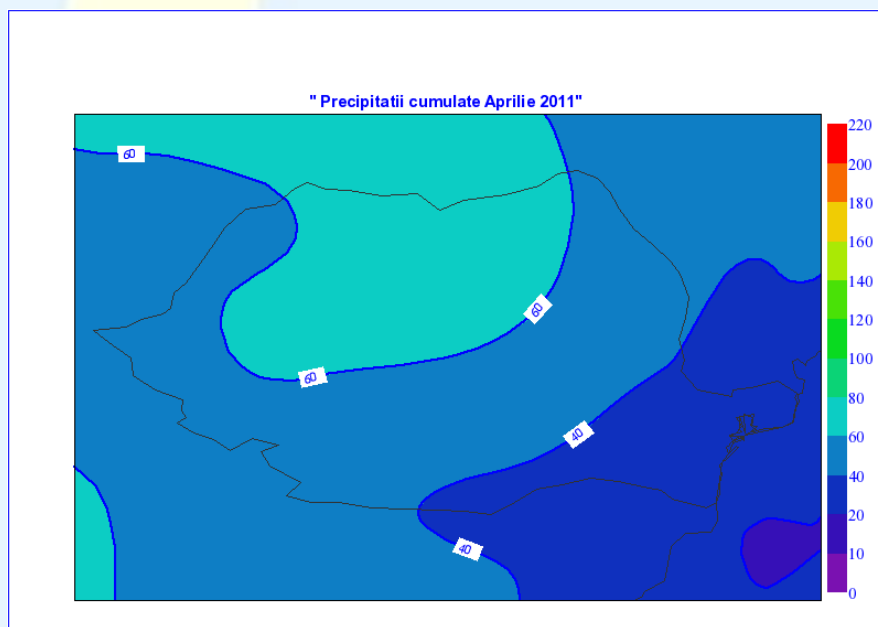
ROMANIA Media multianuala lunara (1961-1990)	Temperatura (°C)
	9.2

APRILIE

PRECIPITATII LUNARE

ESTIMARI ECMWF / APRILIE 2011

VALORI MEDII MULTIANUALE LUNARE
/1961-1990



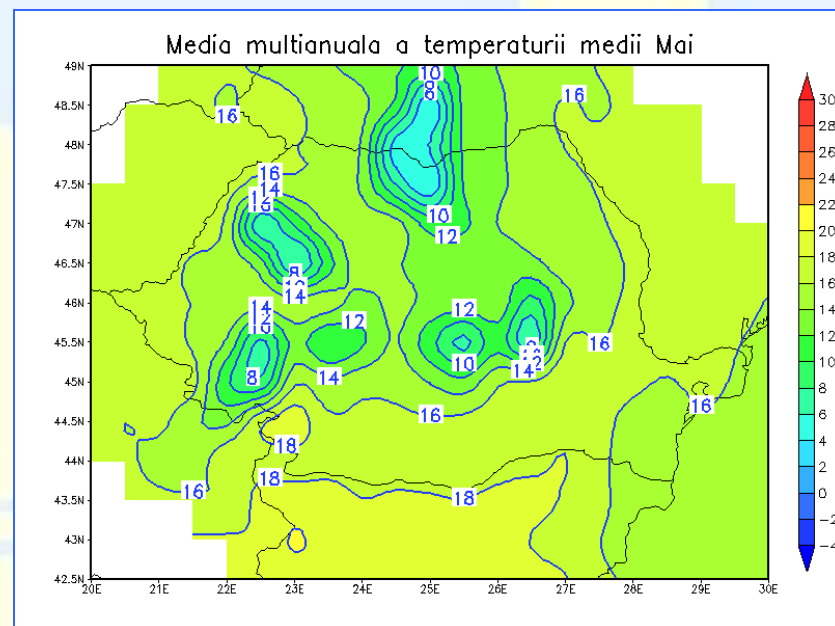
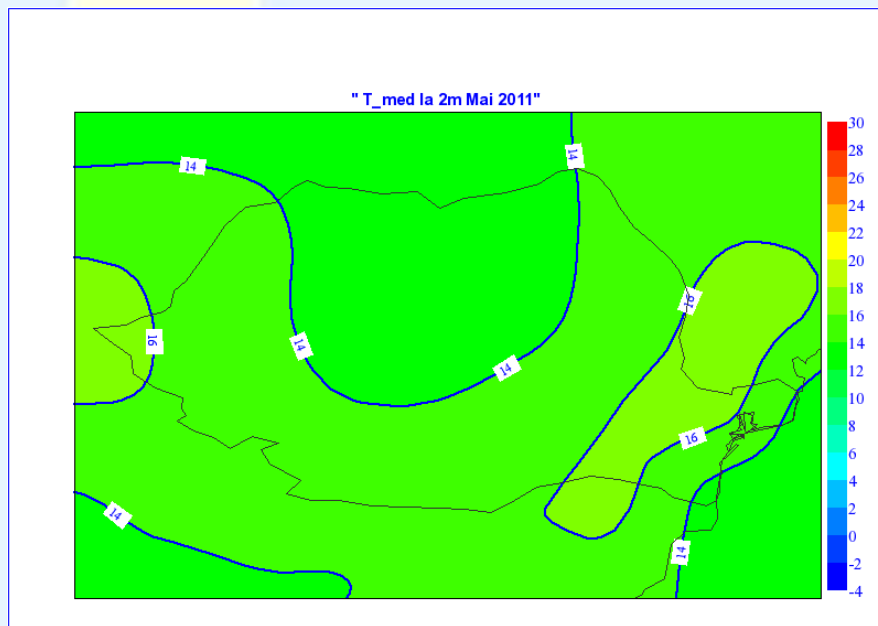
ROMANIA Media multianuala lunara (1961-1990)	Precipitatii (l/mp)
	51.5

MAI

TEMPERATURA MEDIE LUNARA A AERULUI

ESTIMARI ECMWF / MAI 2011

VALORI MEDII MULTIANUALE LUNARE
/1961-1990

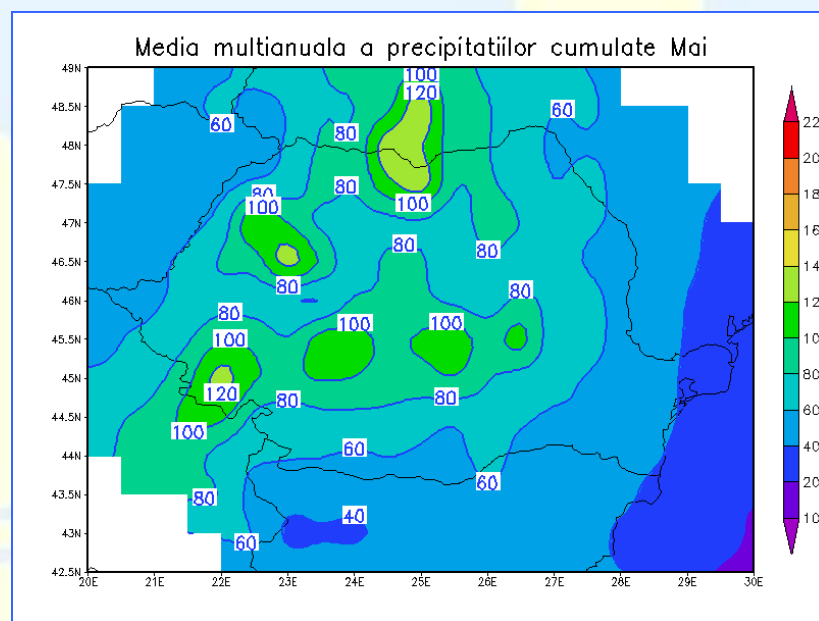
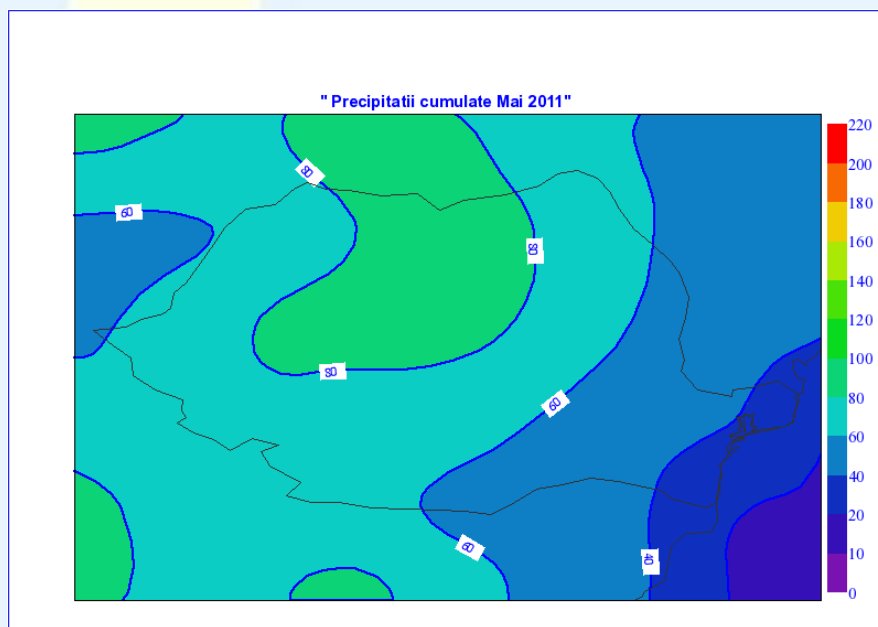


ROMANIA Media multianuala lunara (1961-1990)	Temperatura (°C)
	14.4

MAI PRECIPITATII LUNARE

ESTIMARI ECMWF / MAI 2011

VALORI MEDII MULTIANUALE LUNARE
/1961-1990

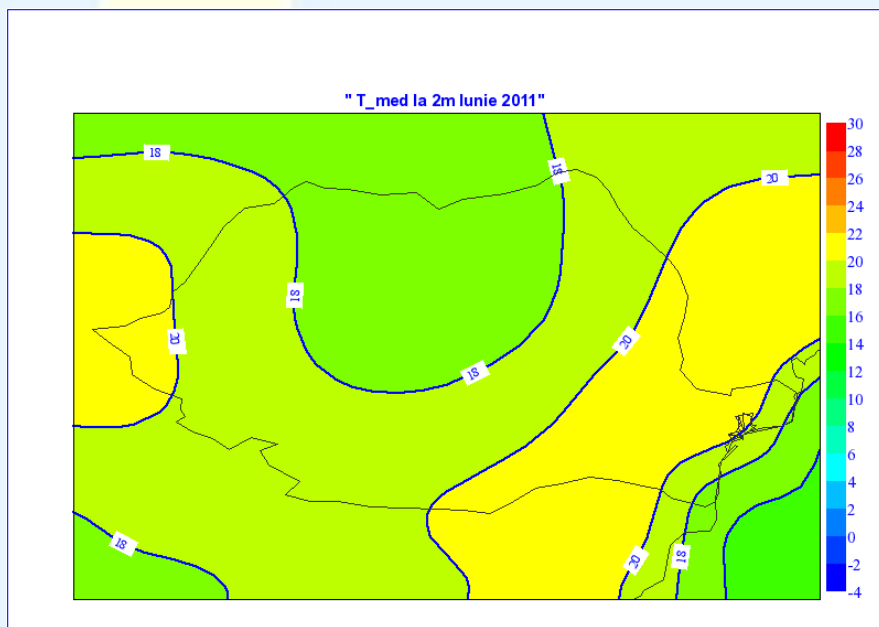


ROMANIA Media multianuala lunara (1961-1990)	Precipitatii (l/mp)
	75.7

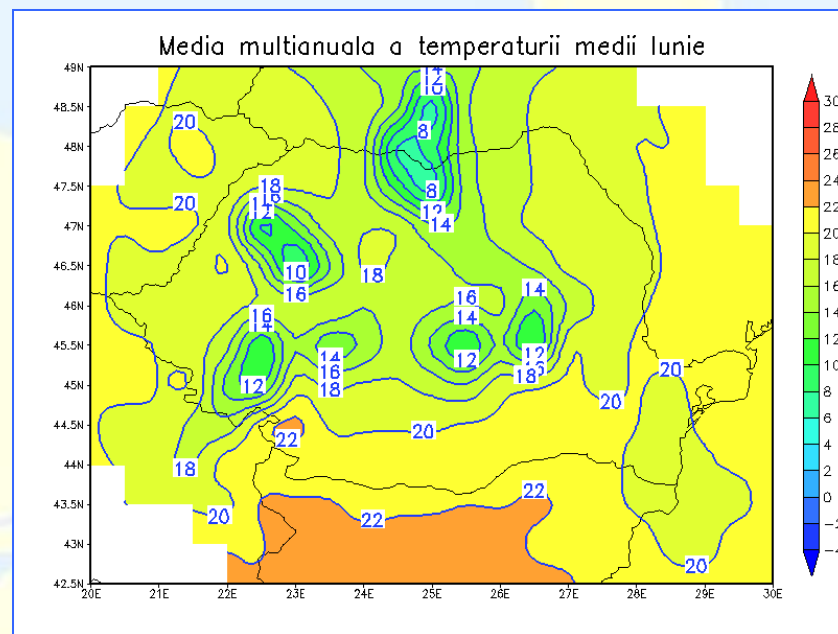
IUNIE

TEMPERATURA MEDIE LUNARA A AERULUI

ESTIMARI ECMWF / IUNIE 2011



VALORI MEDII MULTIANUALE LUNARE
/1961-1990



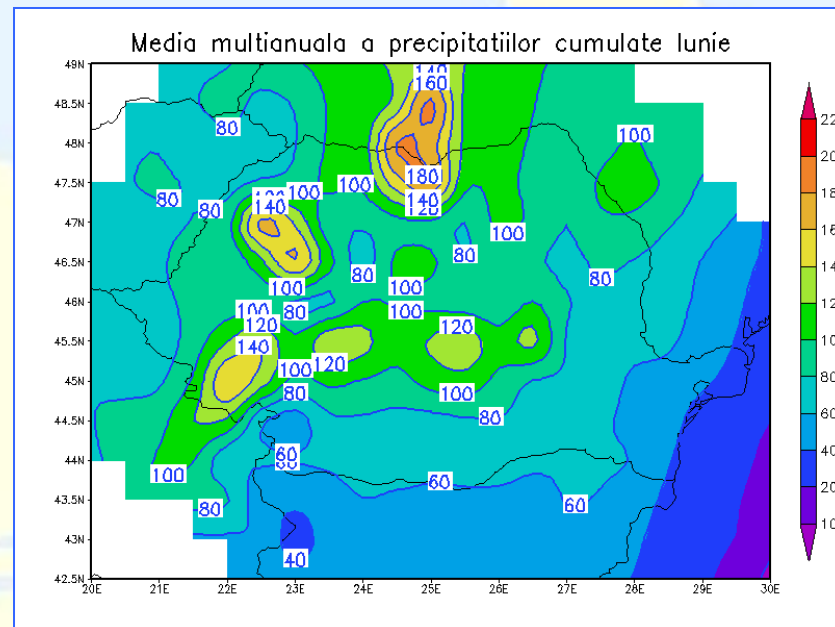
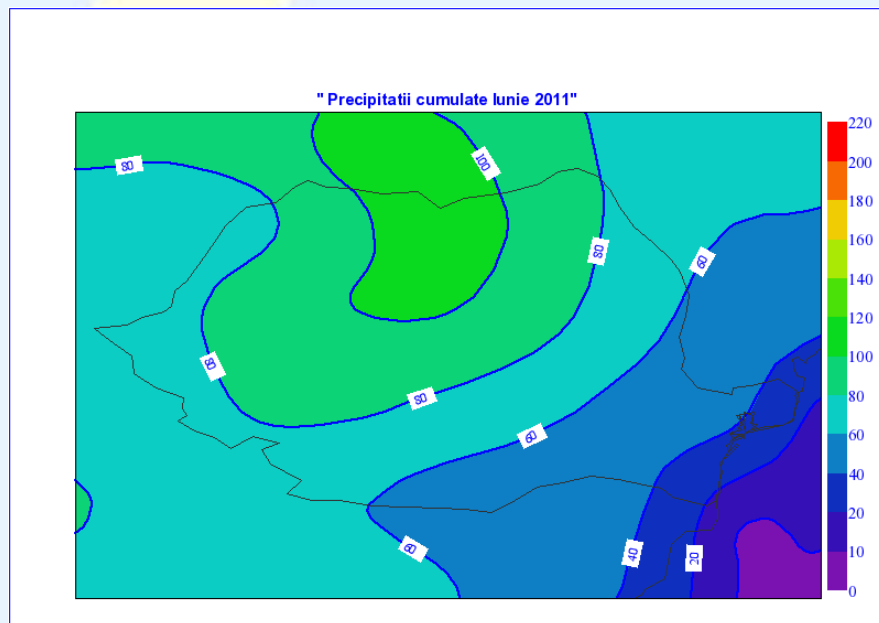
ROMANIA Media multianuala lunara (1961-1990)	Temperatura (°C)
	17.5

IUNIE

PRECIPITATII LUNARE

ESTIMARI ECMWF / IUNIE 2011

VALORI MEDII MULTIANUALE LUNARE
/1961-1990



ROMANIA Media multianuala lunara (1961-1990)	Precipitatii (l/mp)
	89.7