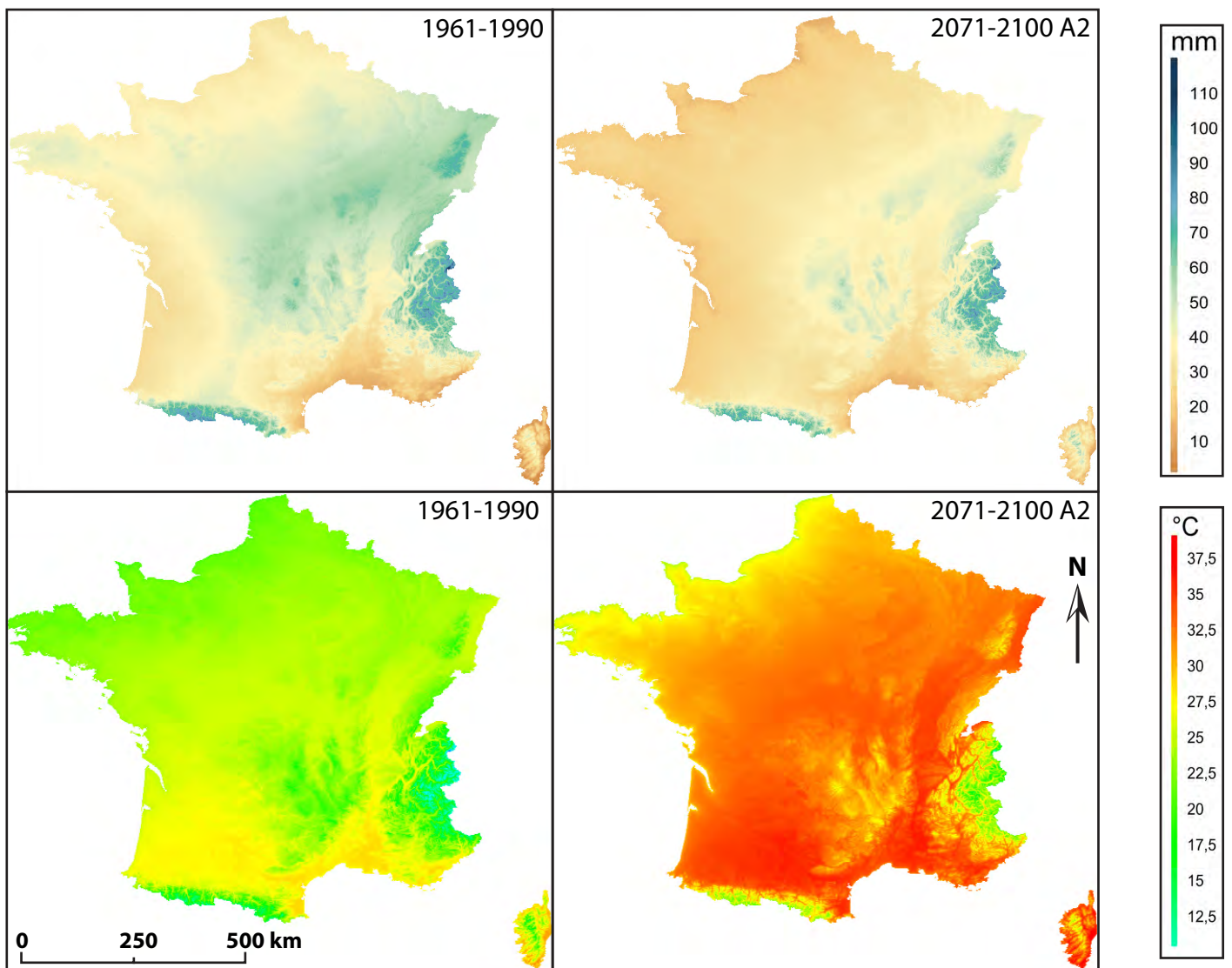


Atlas climatique CASSANDRE

Nicolas MARTIN, Pierre CARREGA et Cyriel ADNÈS



Précipitations et températures maximales mensuelles d'août

Région



Provence-Alpes-Côte d'Azur

AVANT-PROPOS

Cet atlas climatique regroupe les cartes élaborées dans le cadre du projet CASSANDRE : « *Contribution à l'élaboration d'un système d'aide à la décision pour la gestion des espaces naturels : application à la constitution des trames vertes au regard du changement climatique et de la dynamique urbaine* », financé par la région Provence-Alpes-Côte d'Azur. Cet atlas constitue le premier volet du projet et a été réalisé par l'UMR ESPACE du CNRS et de l'Université de Nice Sophia-Antipolis. La deuxième phase du projet a été menée par le Centre de recherches sur les Risques et les Crises de l'École des Mines Paristech.

Deux échelles spatiales ont été privilégiées pour aboutir à l'élaboration de cartes à 1 km et 90 m de résolution spatiale respectivement sur la France et plus localement centrées sur le département des Alpes-Maritimes.

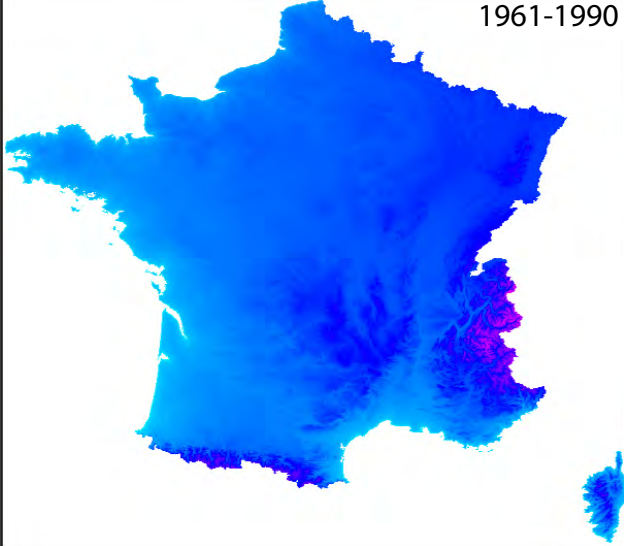
Les résultats exposés dans cet atlas, moyennes mensuelles climatiques des températures minimales et maximales et des précipitations pour les périodes 1961-1990, 2021-2050 et 2071-2100 pour trois scénarios d'évolution socio-économique et démographique (B1, A1B et A2), sont le fruit d'une étape de downscaling statistique élaborée à partir de sorties de modèles climatiques, ARPEGE-Climat et ALADIN-Climat. Les auteurs remercient Michel Déqué du CNRM pour la mise à disposition des modélisations climatiques. L'ensemble des explications sur la démarche suivie pour aboutir à ces cartes est disponible dans les publications suivantes :

MARTIN Nicolas, CARREGA Pierre et ADNES Cyriel, 2013, "Downscaling a fine résolution spatiale des températures actuelles et futures par modélisation statistique des sorties ALADIN-Climat sur les Alpes-Maritimes (France)", Climatologie, volume 10 pp 51-72.

MARTIN Nicolas, CARREGA Pierre, ADNES Cyriel 2013, "Downscaling statistique des températures et des précipitations 2071-2100 du modèle ALADIN-Climat pour les scénarios A1B, A2 et B1 dans les Alpes-Maritimes", Actes du XXVIème colloque AIC, Cotonou septembre 2013, pp 372-377.

MARTIN Nicolas, CARREGA Pierre, ADNES Cyriel 2012, "Régionalisation des modélisations de températures en France pour la période 2071-2100 à partir du modèle ARPEGE-Climat pour les scénarios A1B, A2 et B1", Actes du XXVème colloque AIC, Grenoble septembre 2012, pp 505-510.

1961-1990



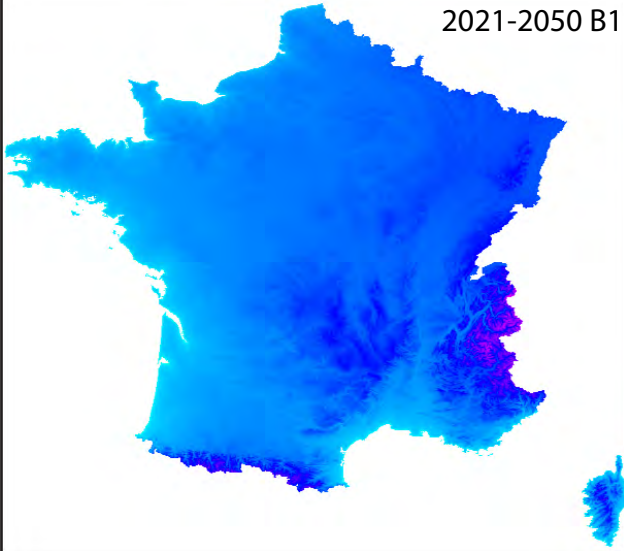
Températures minimales mensuelles de janvier à 1 km de résolution

0 250 500 km

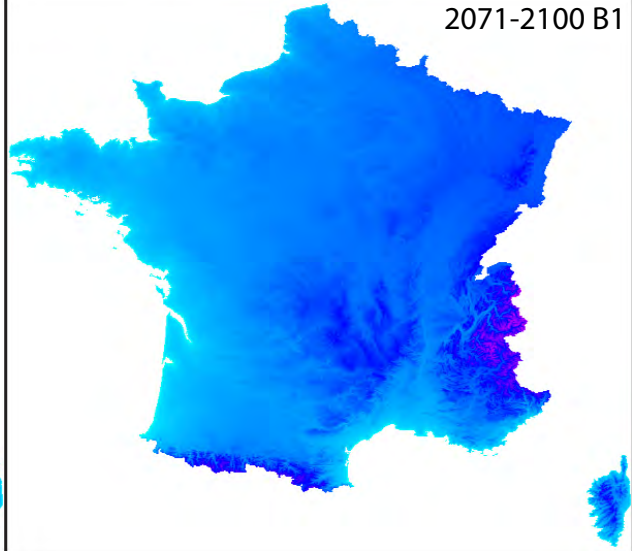
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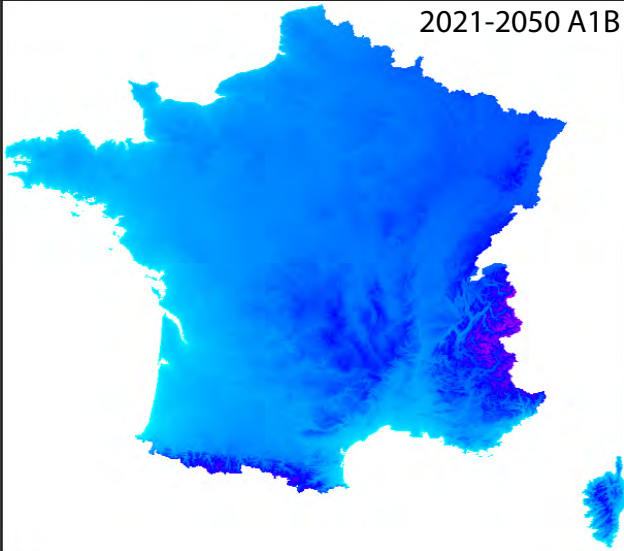
2021-2050 B1



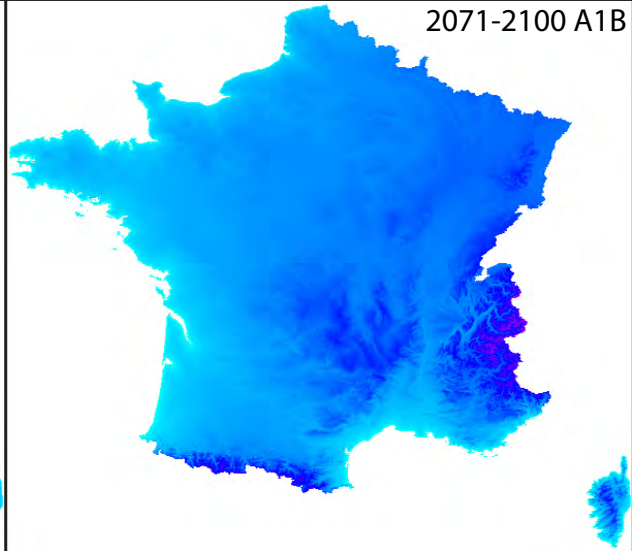
2071-2100 B1



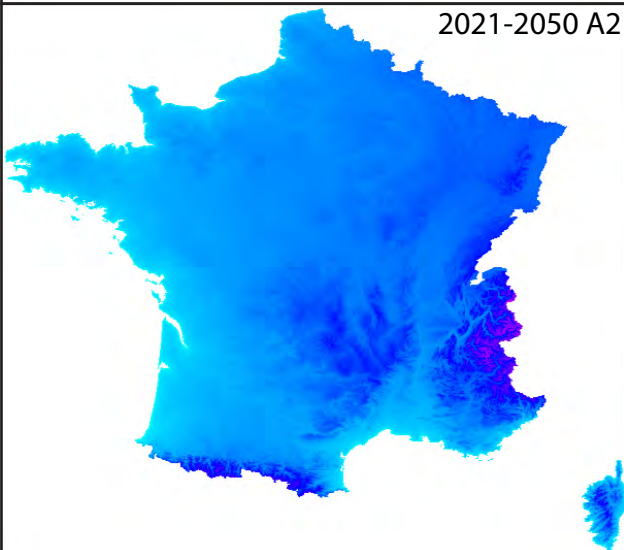
2021-2050 A1B



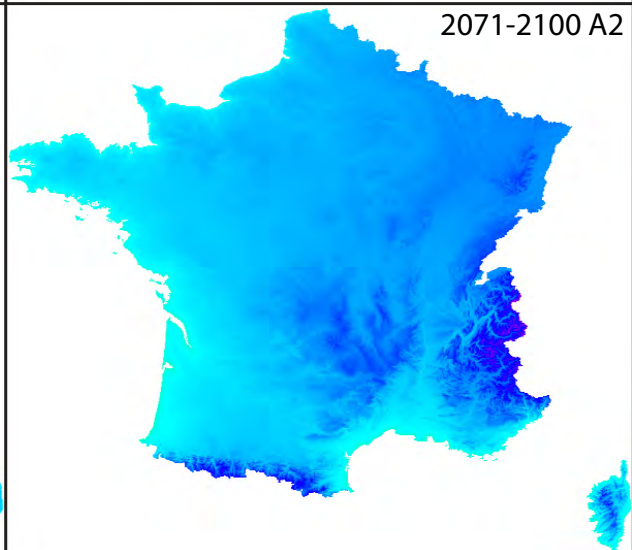
2071-2100 A1B



2021-2050 A2



2071-2100 A2



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7,5

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2,5

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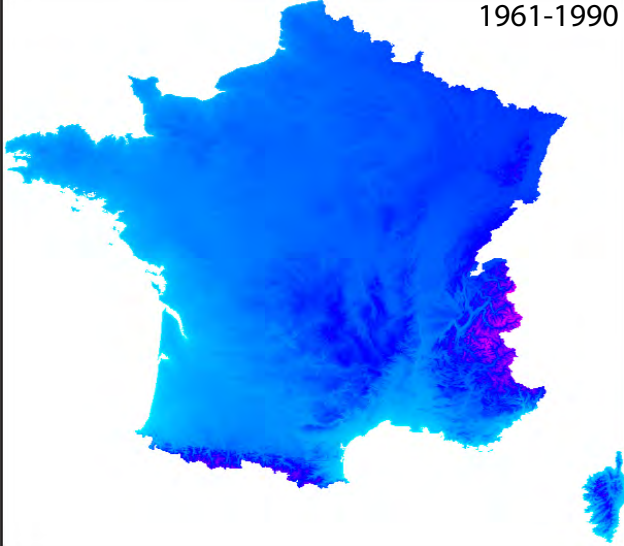
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1961-1990



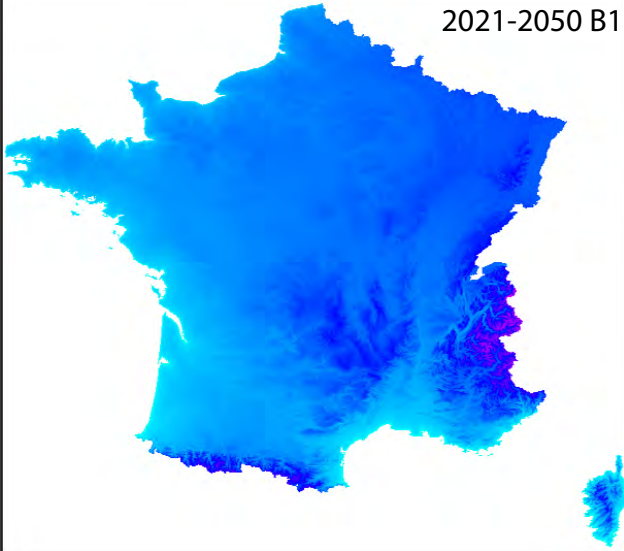
Températures minimales mensuelles de février à 1 km de résolution

0 250 500 km

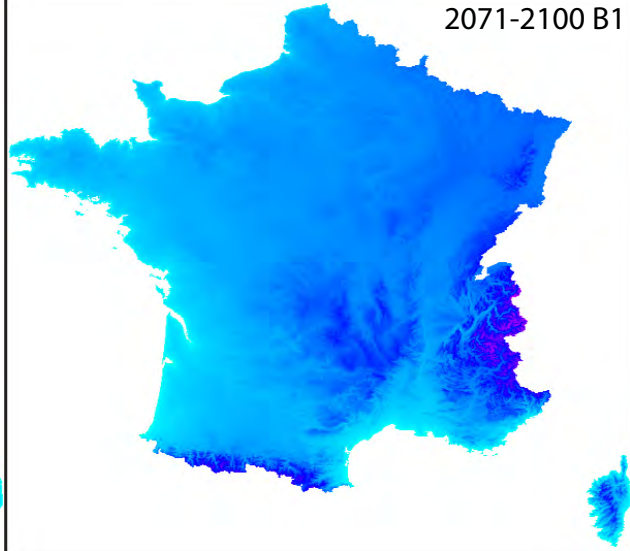
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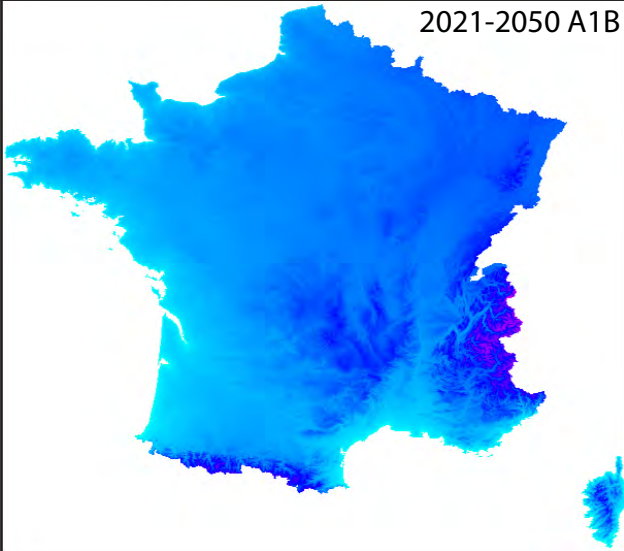
2021-2050 B1



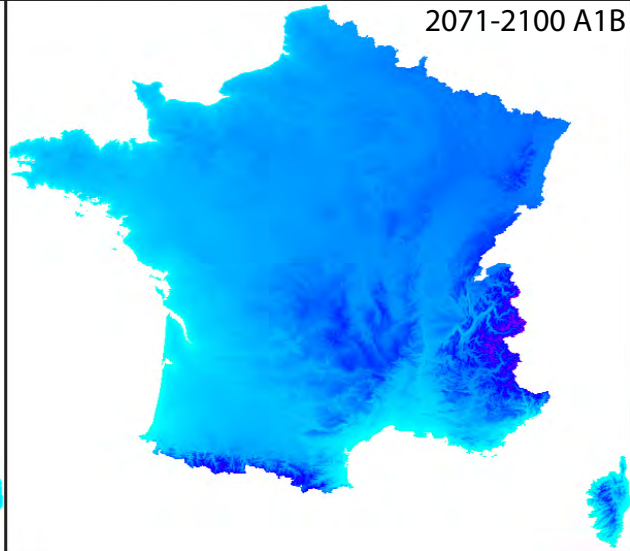
2071-2100 B1



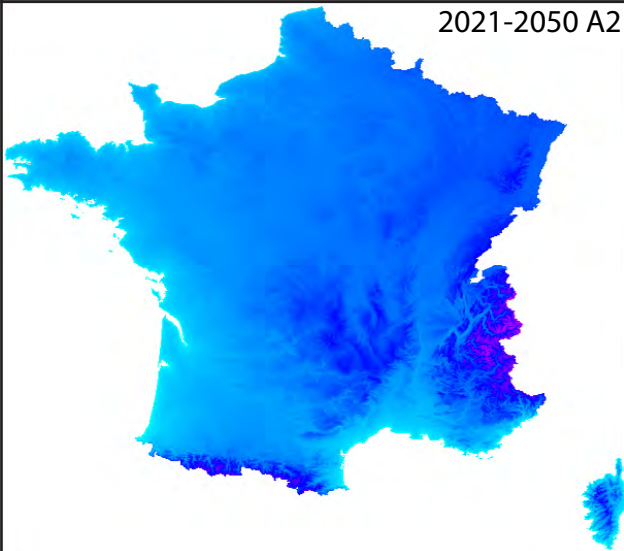
2021-2050 A1B



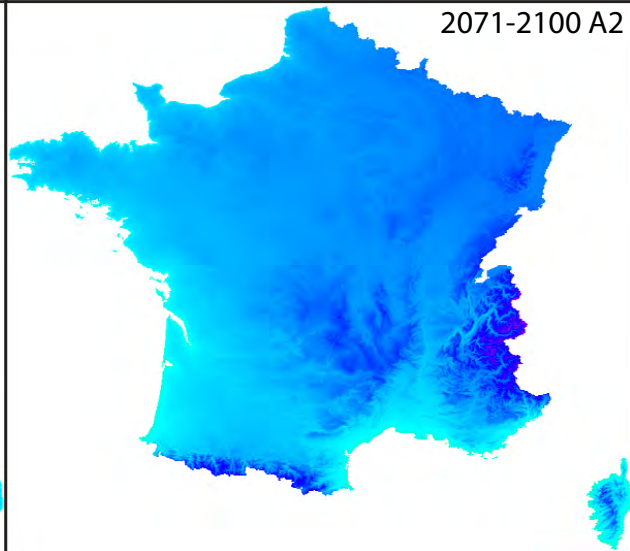
2071-2100 A1B



2021-2050 A2



2071-2100 A2



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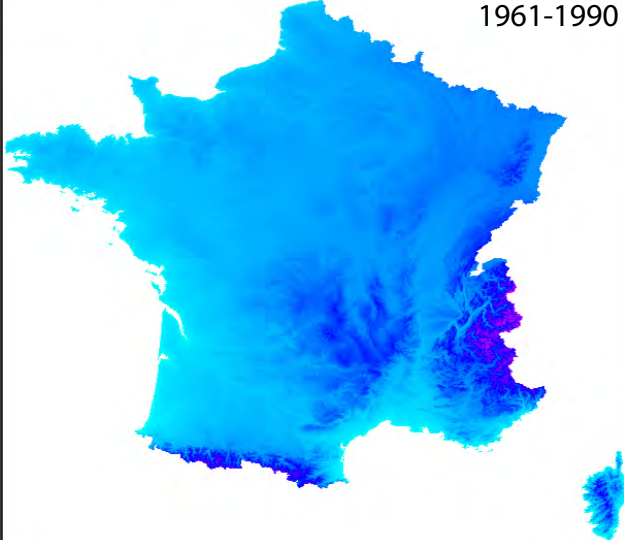
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1961-1990

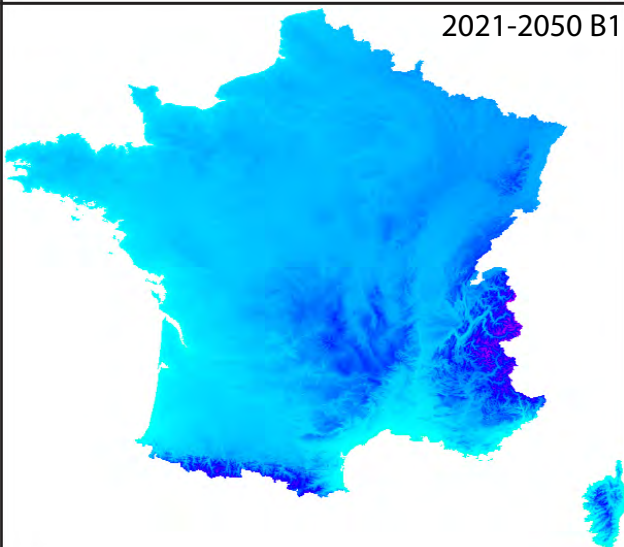


Températures minimales mensuelles de mars à 1 km de résolution

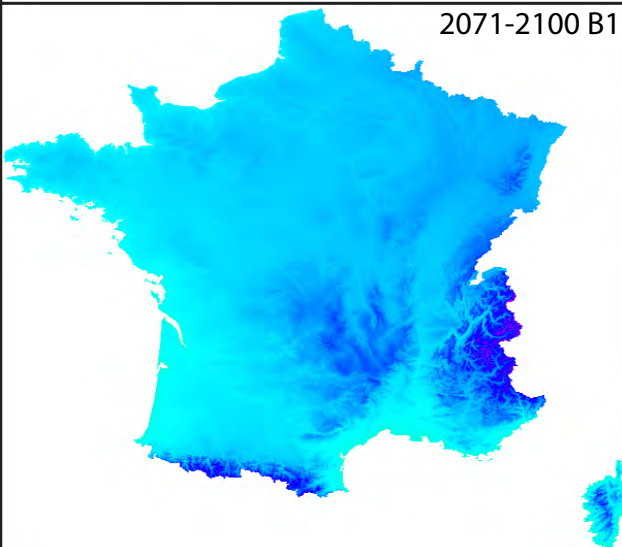
0 250 500 km



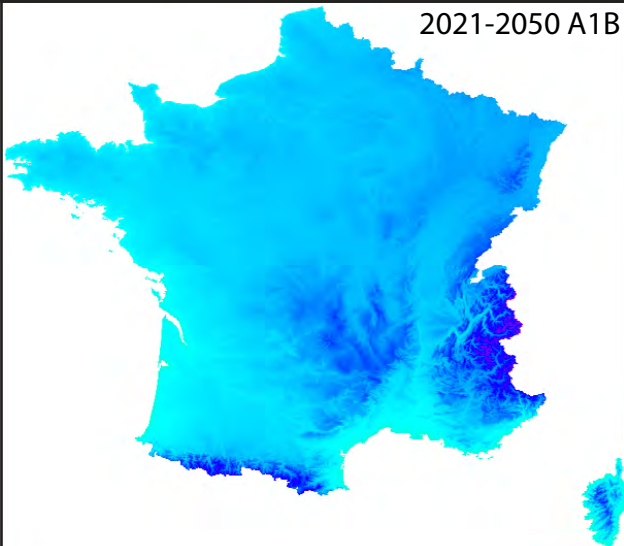
2021-2050 B1



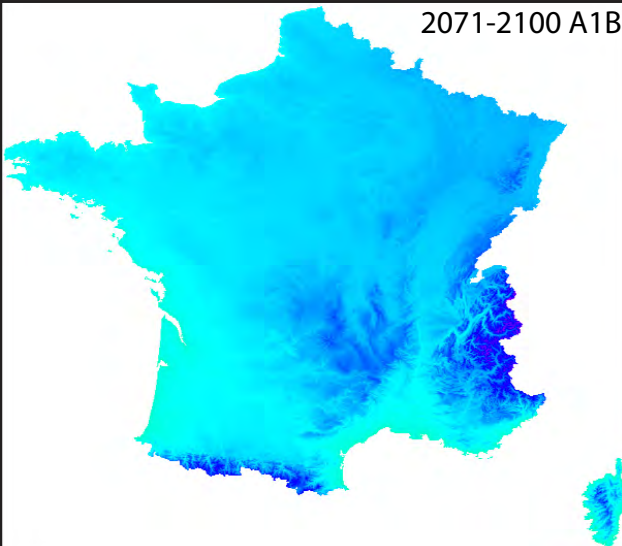
2071-2100 B1



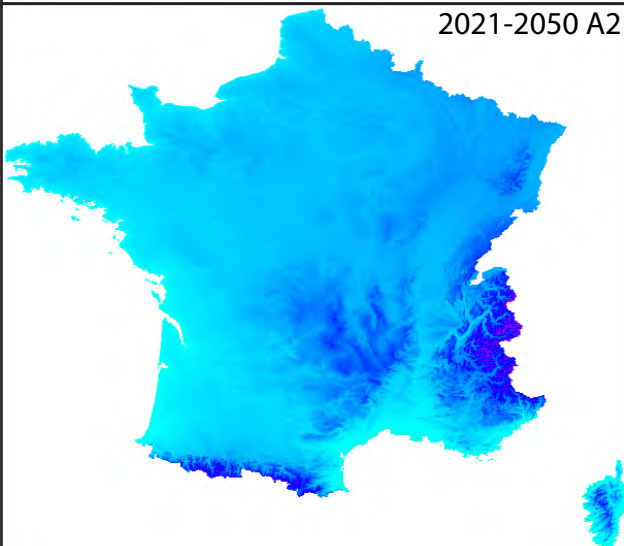
2021-2050 A1B



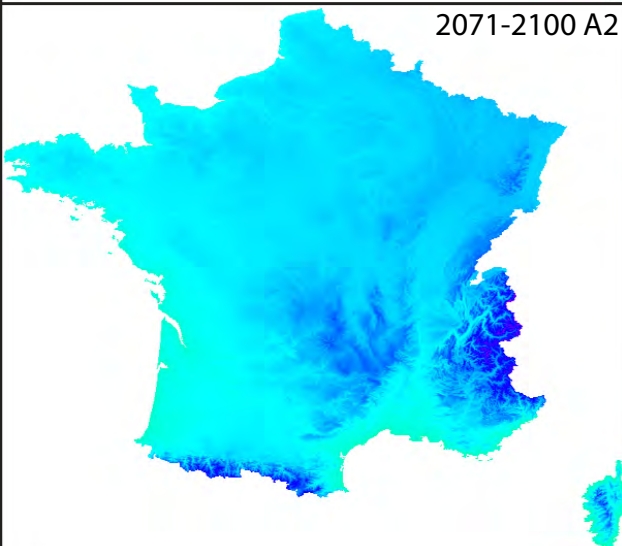
2071-2100 A1B



2021-2050 A2



2071-2100 A2



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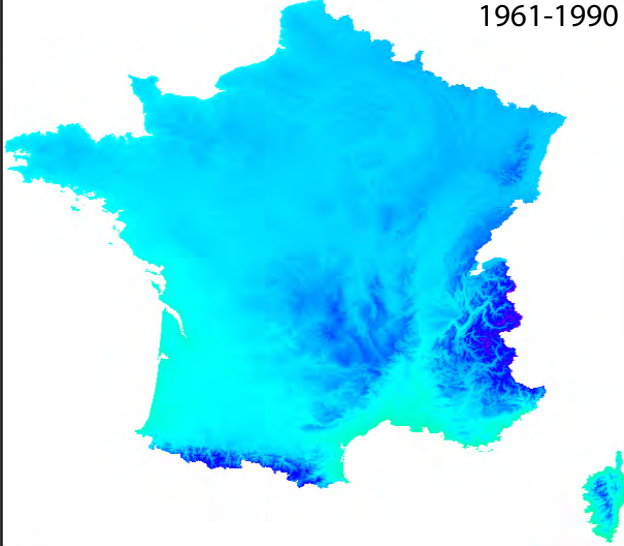
-7,5

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1961-1990



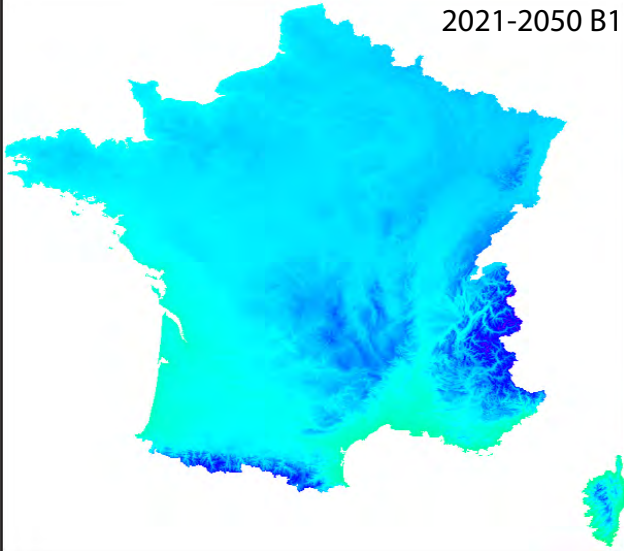
Températures minimales mensuelles d'avril à 1 km de résolution

0 250 500 km

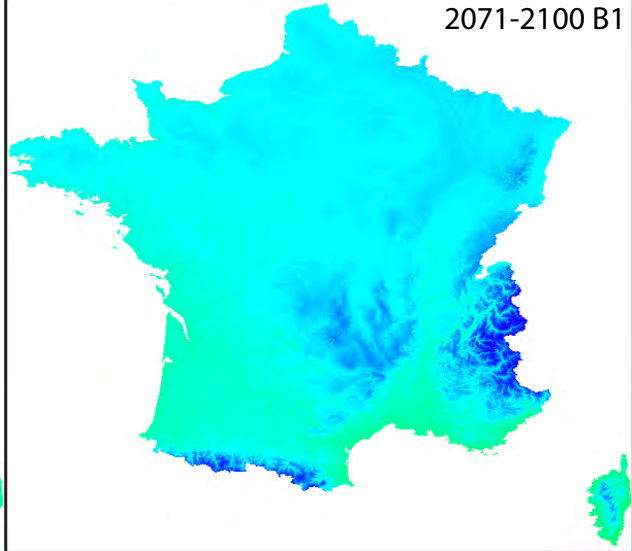
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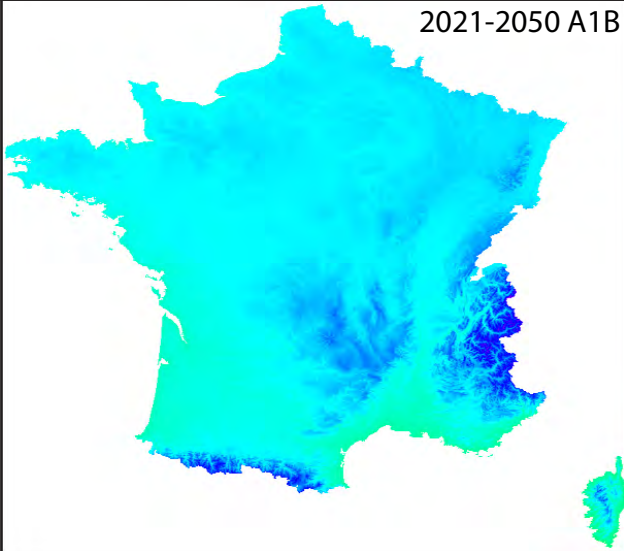
2021-2050 B1



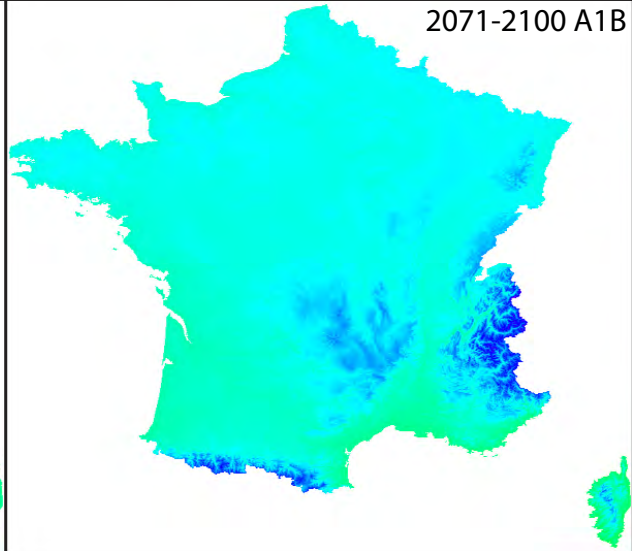
2071-2100 B1



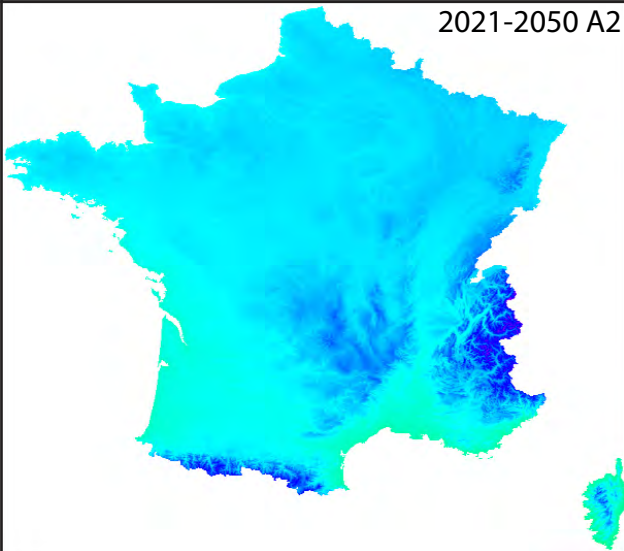
2021-2050 A1B



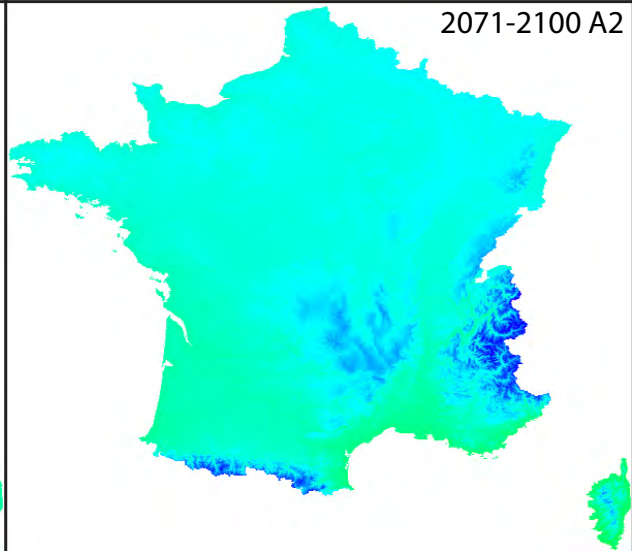
2071-2100 A1B



2021-2050 A2



2071-2100 A2



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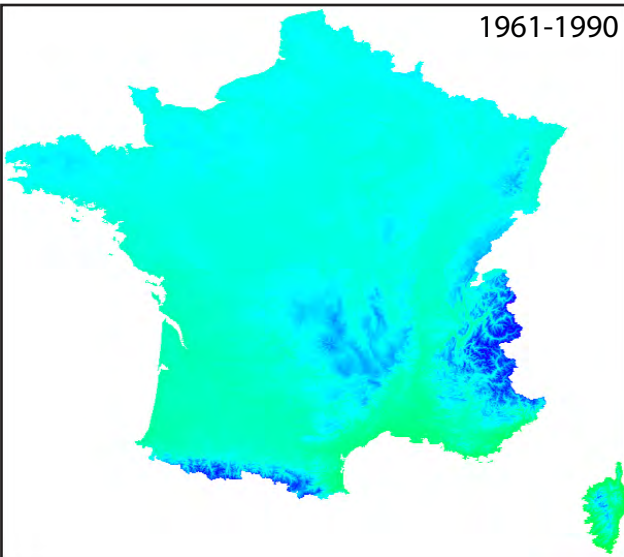
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1961-1990



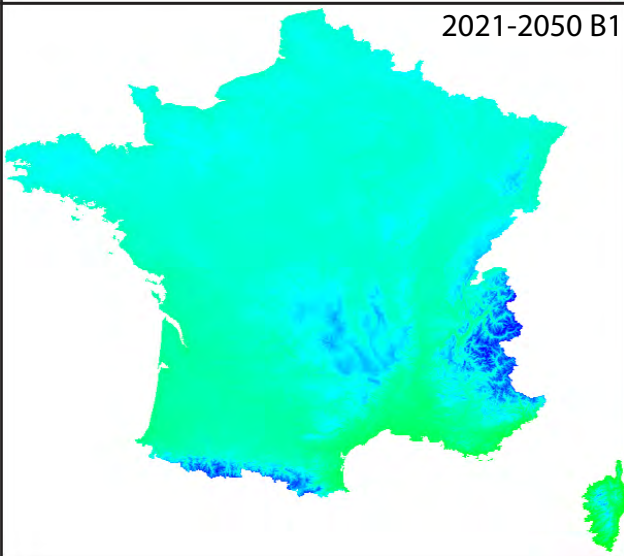
Températures minimales mensuelles de mai à 1 km de résolution

0 250 500 km

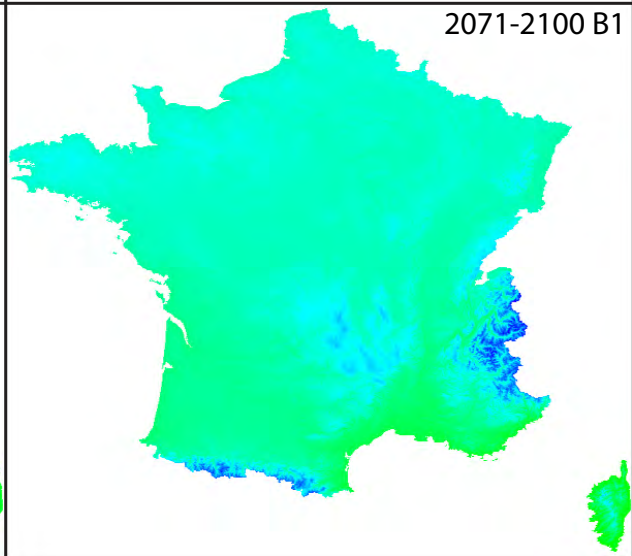
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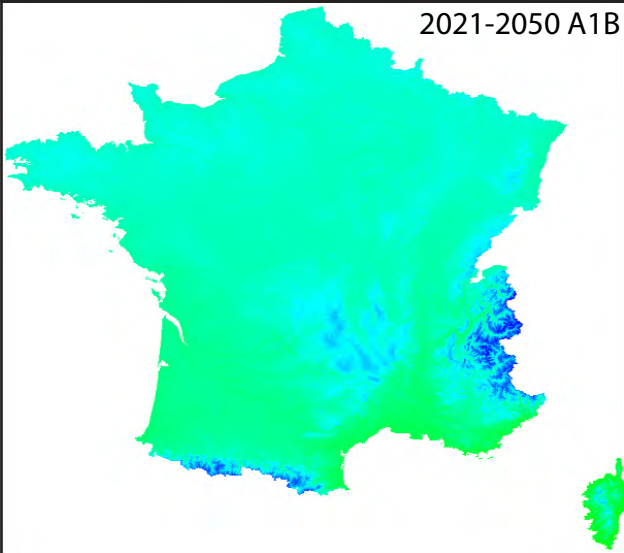
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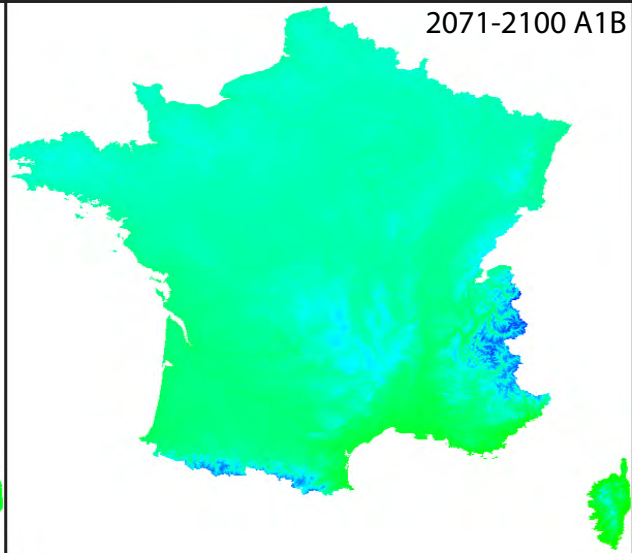
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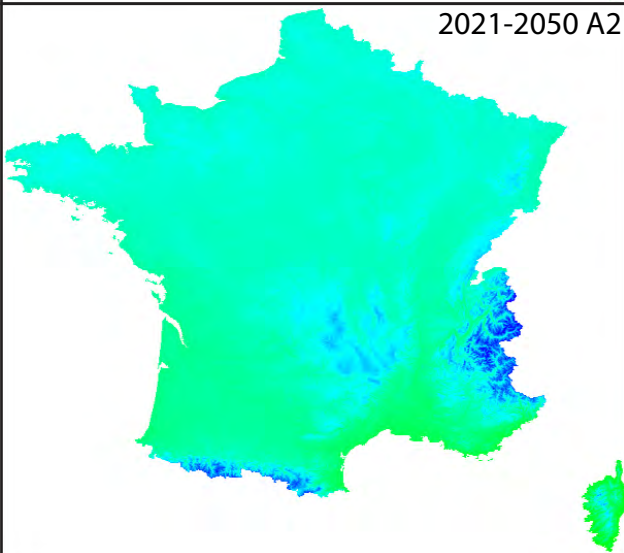
2021-2050 A1B



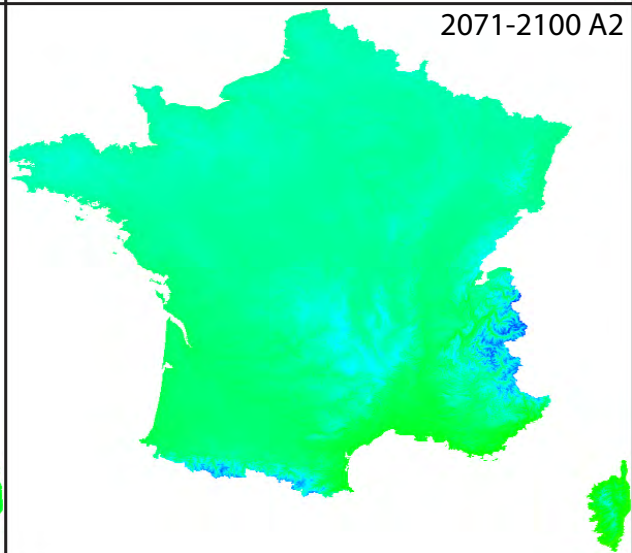
2071-2100 A1B



2021-2050 A2



2071-2100 A2



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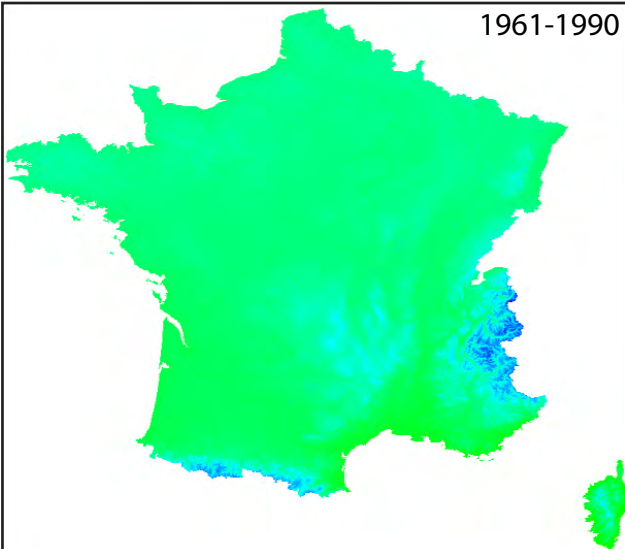
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1961-1990



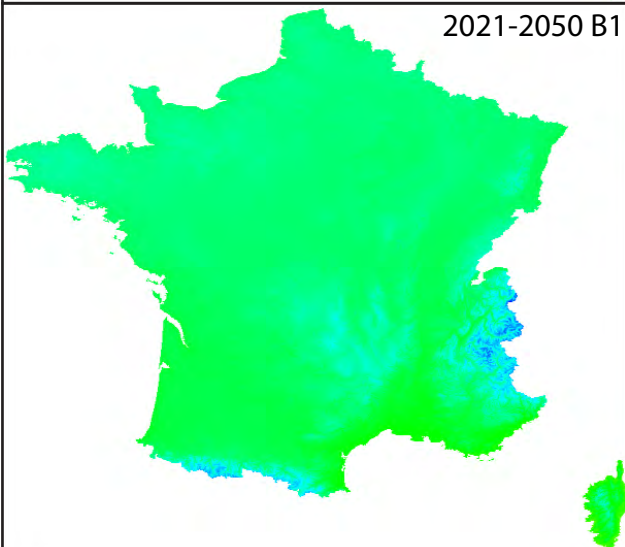
Températures minimales mensuelles de juin à 1 km de résolution

0 250 500 km

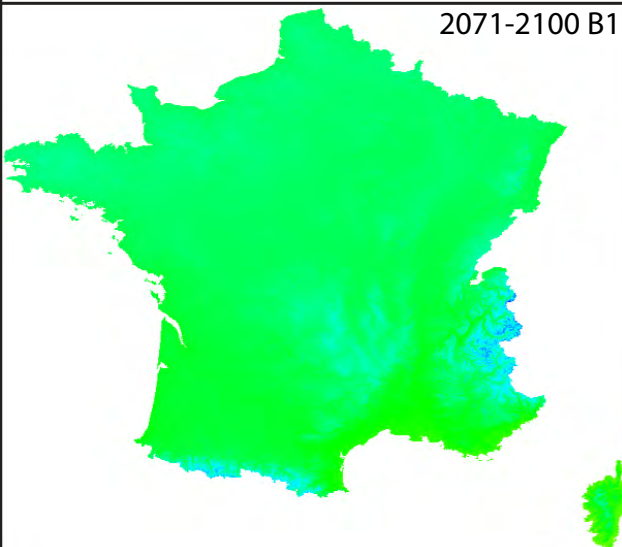
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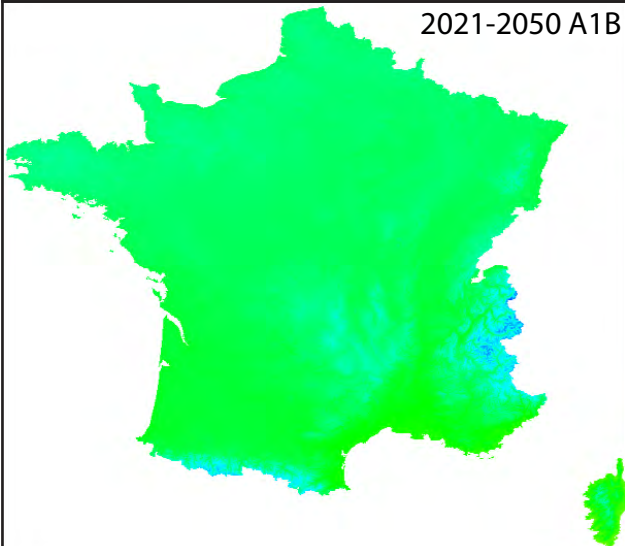
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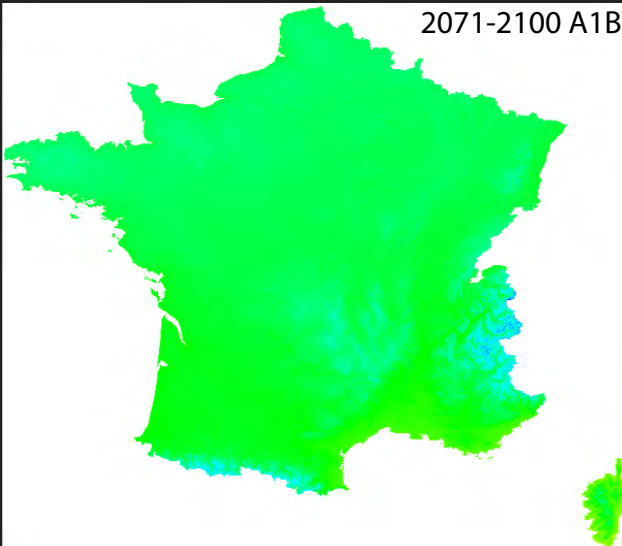
2071-2100 B1



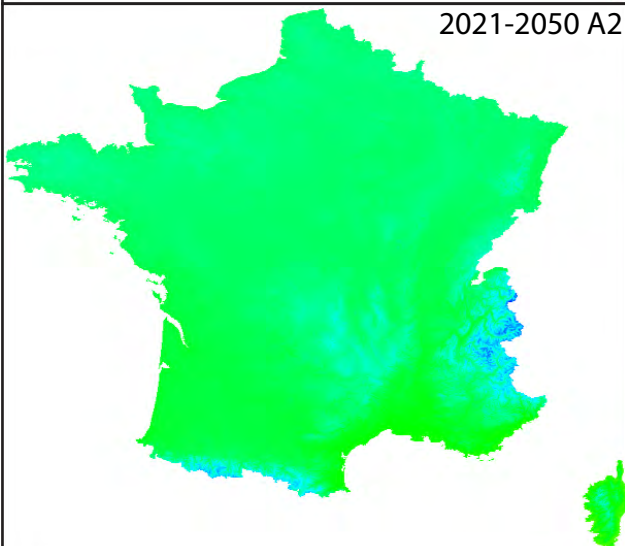
2021-2050 A1B



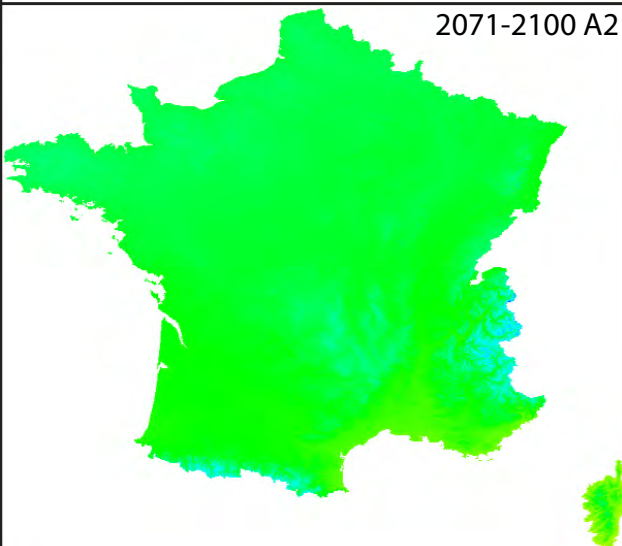
2071-2100 A1B



2021-2050 A2



2071-2100 A2



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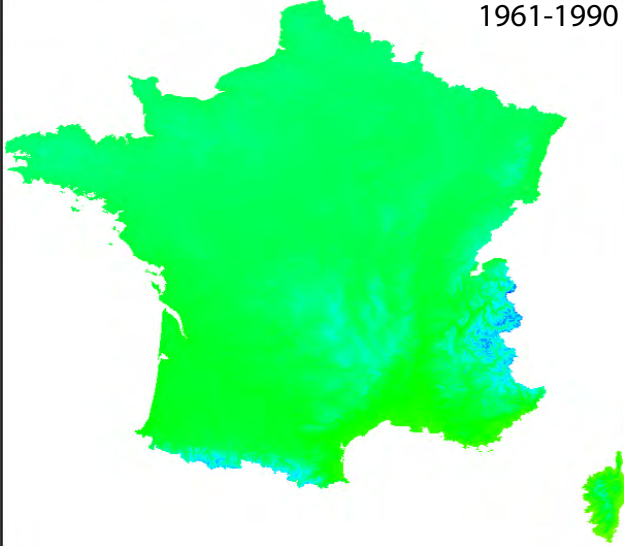
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1961-1990



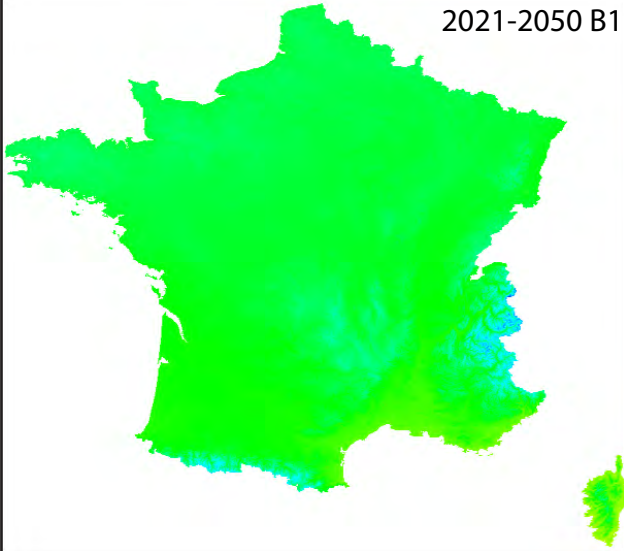
Températures minimales mensuelles de juillet à 1 km de résolution

0 250 500 km

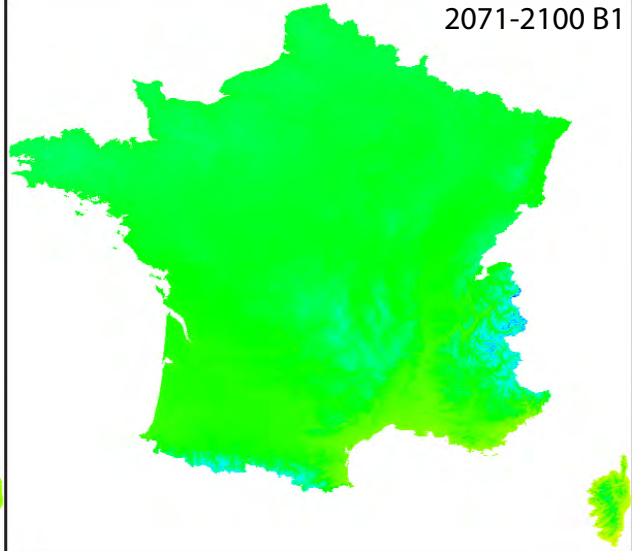
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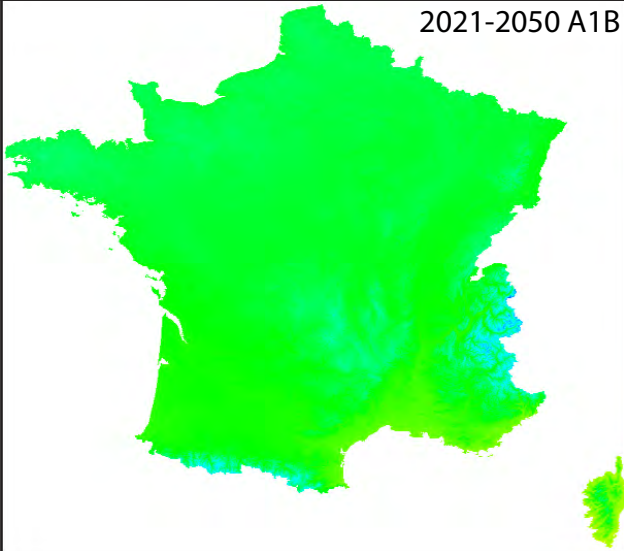
2021-2050 B1



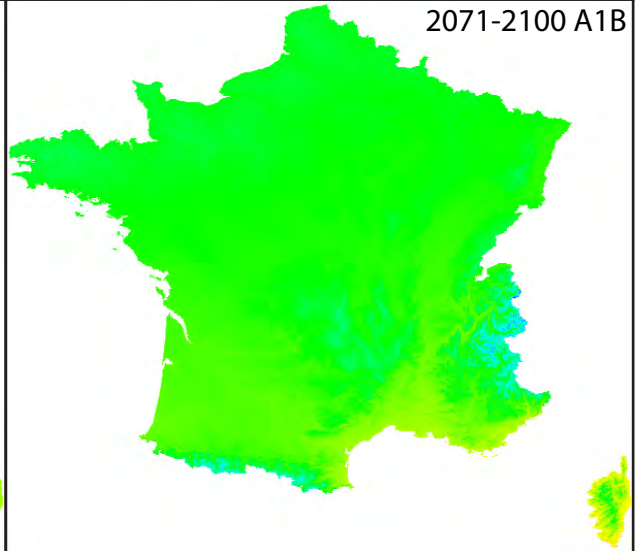
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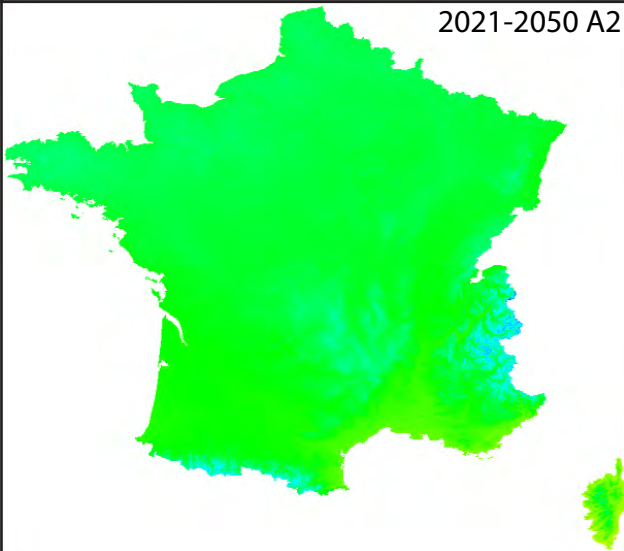
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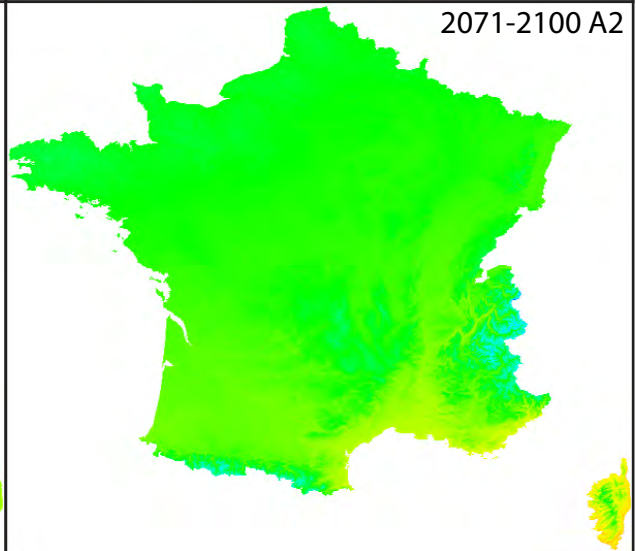
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2021-2050 A2



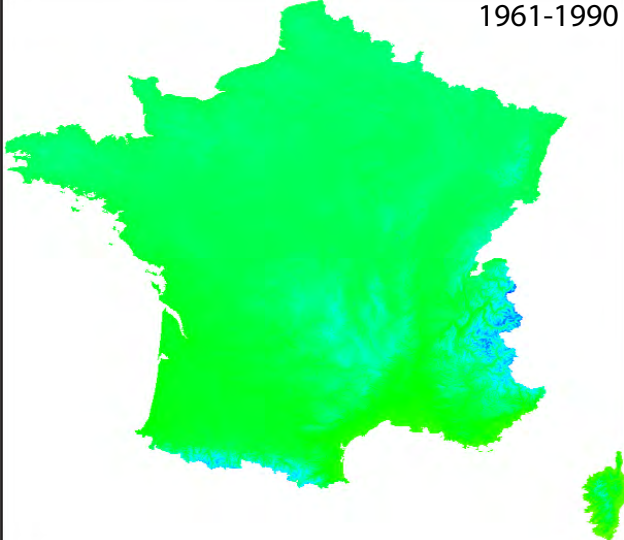
2071-2100 A2



°C



1961-1990

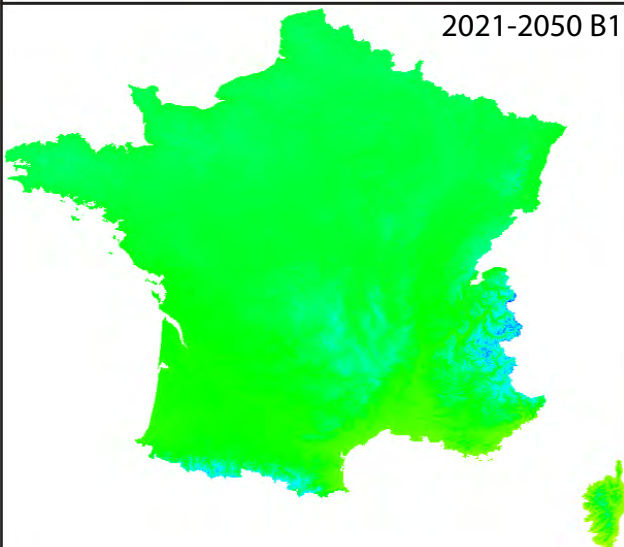


Températures minimales mensuelles d'août à 1 km de résolution

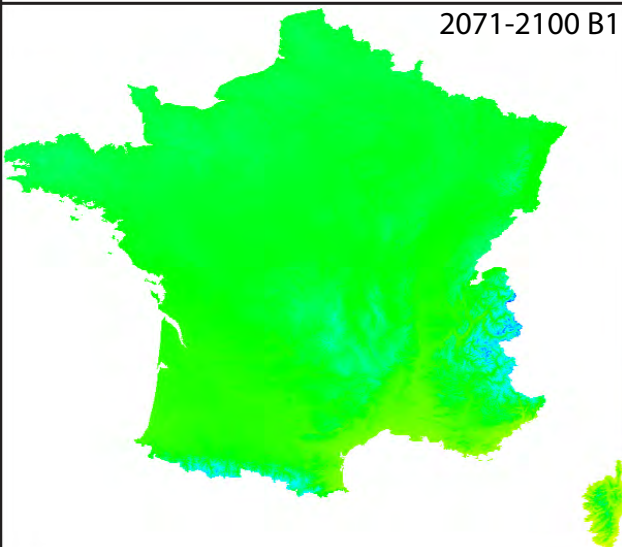
0 250 500 km



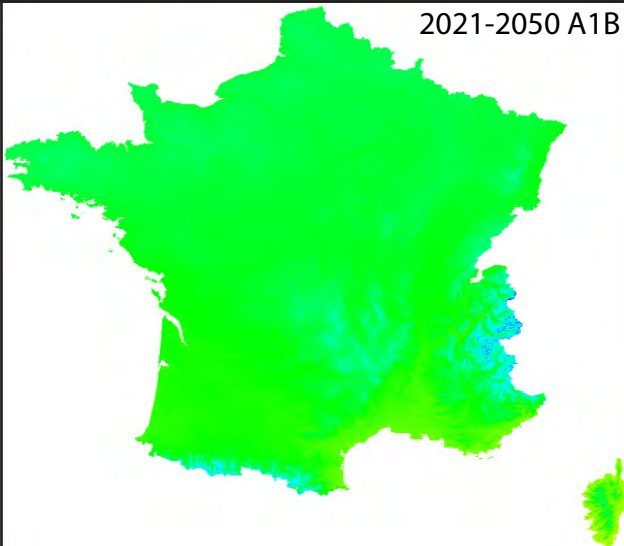
2021-2050 B1



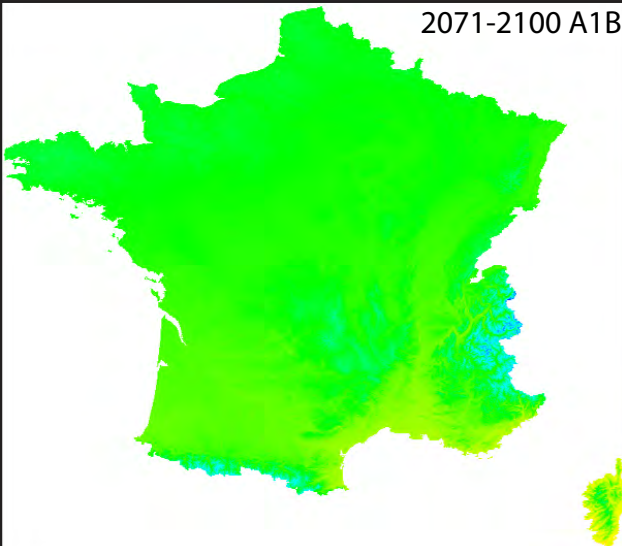
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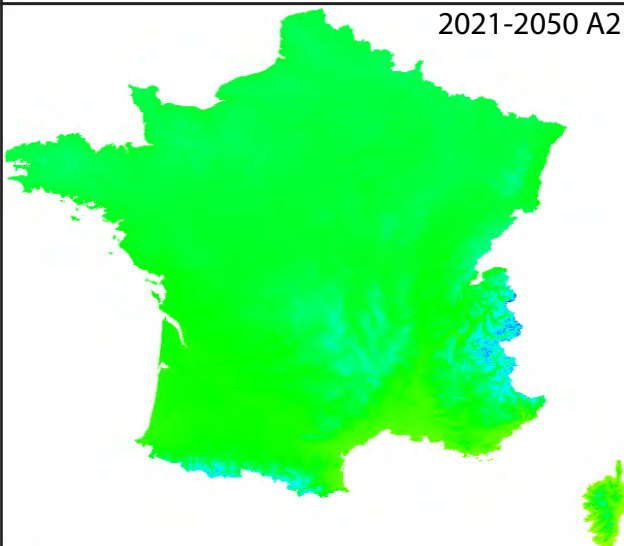
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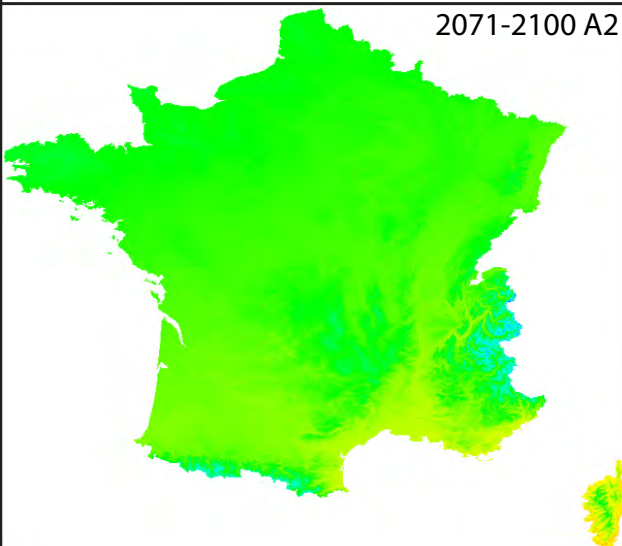
2071-2100 A1B



2021-2050 A2



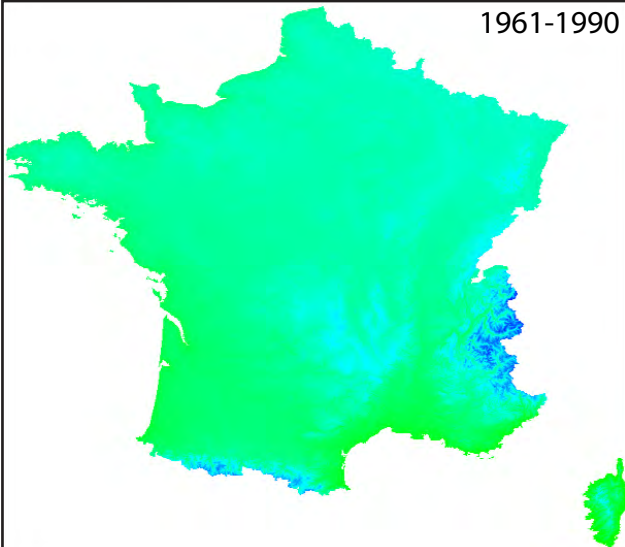
2071-2100 A2



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1961-1990

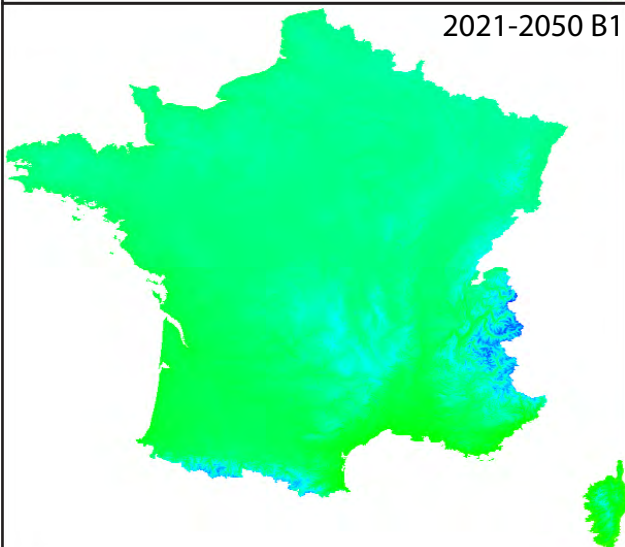


Températures minimales mensuelles de septembre à 1 km de résolution

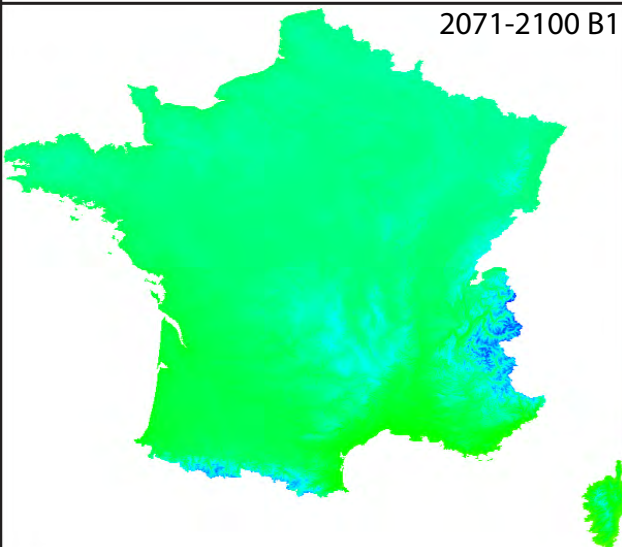
0 250 500 km



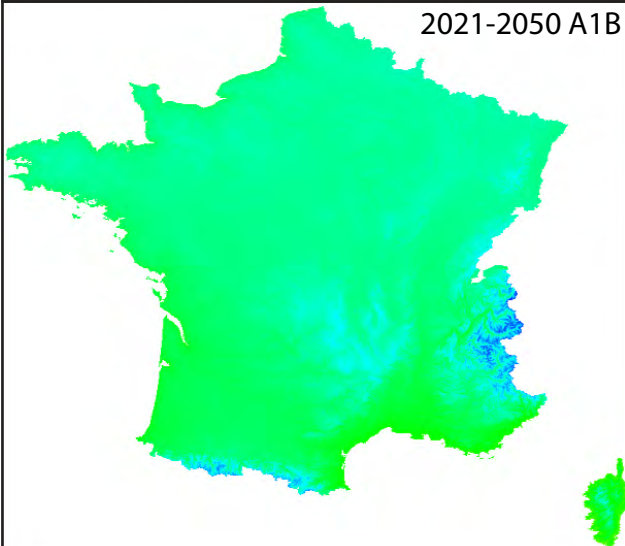
2021-2050 B1



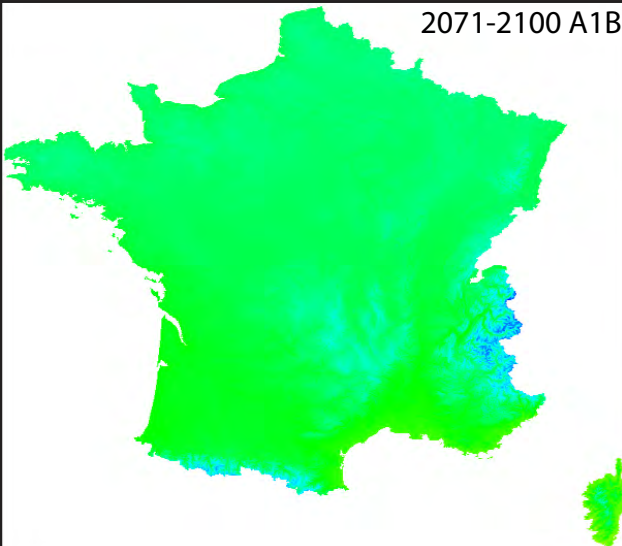
2071-2100 B1



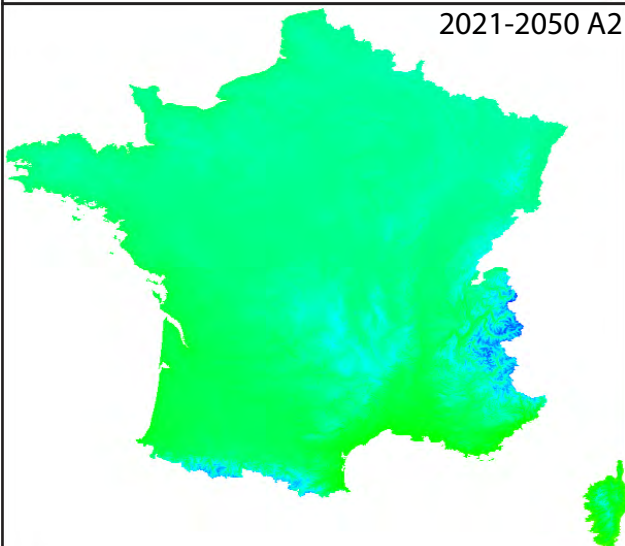
2021-2050 A1B



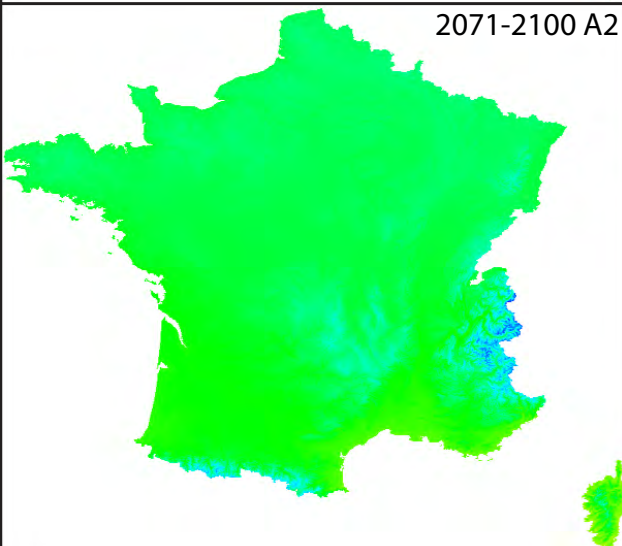
2071-2100 A1B



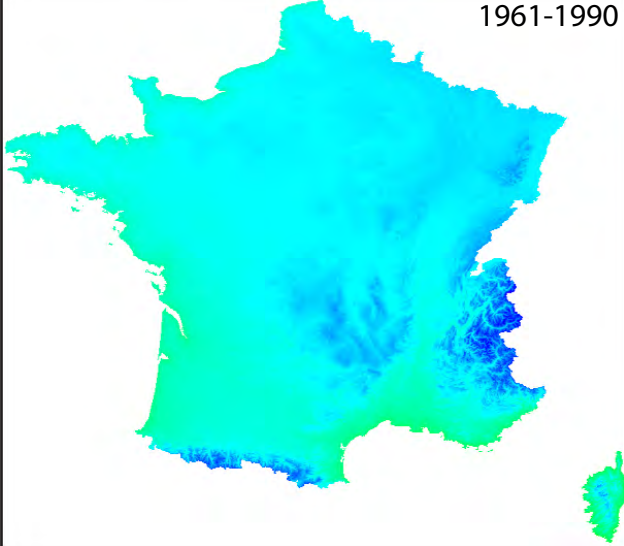
2021-2050 A2



2071-2100 A2



1961-1990



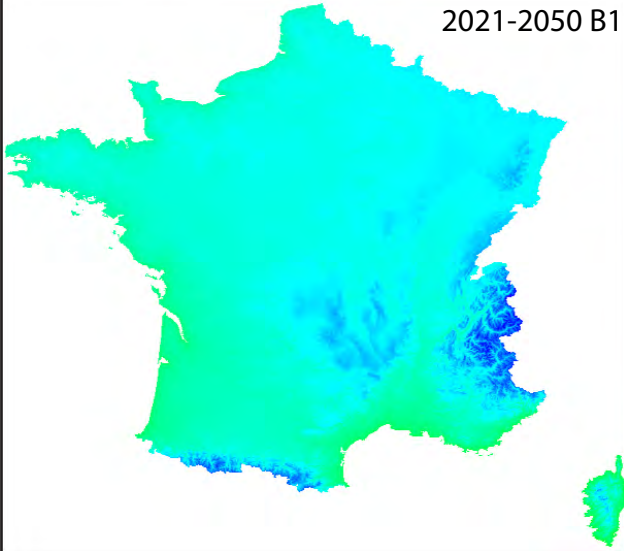
Températures minimales mensuelles d'octobre à 1 km de résolution

0 250 500 km

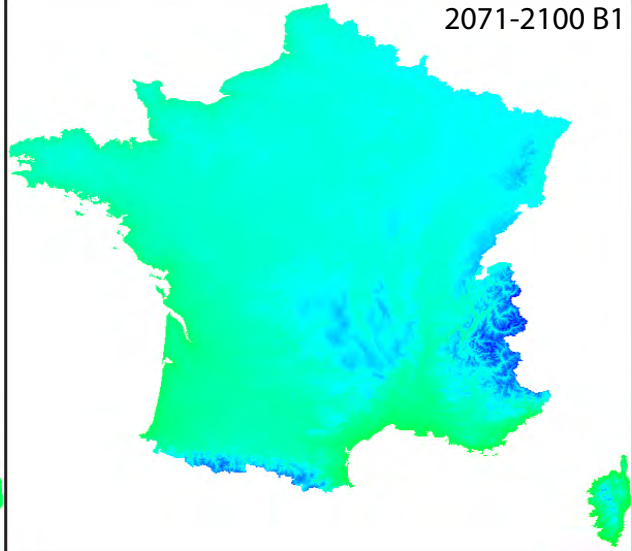
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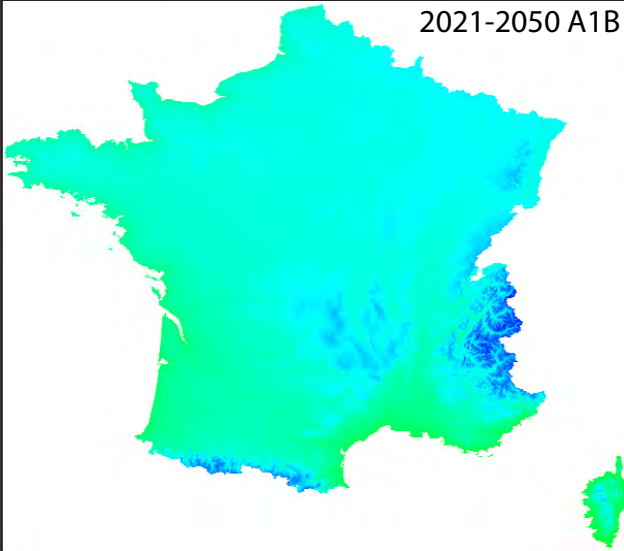
2021-2050 B1



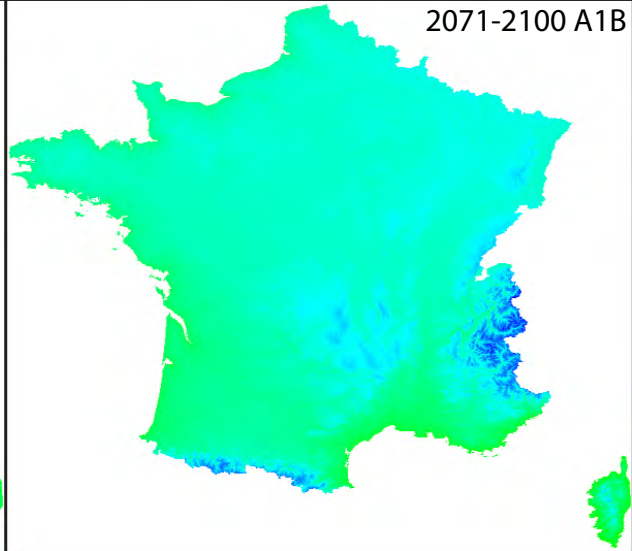
2071-2100 B1



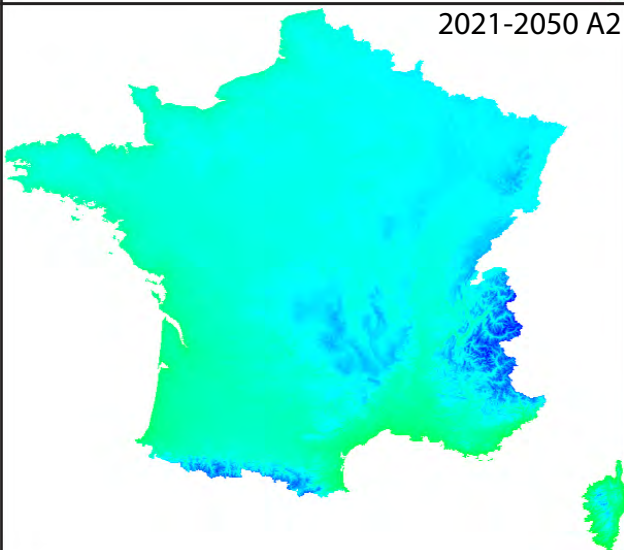
2021-2050 A1B



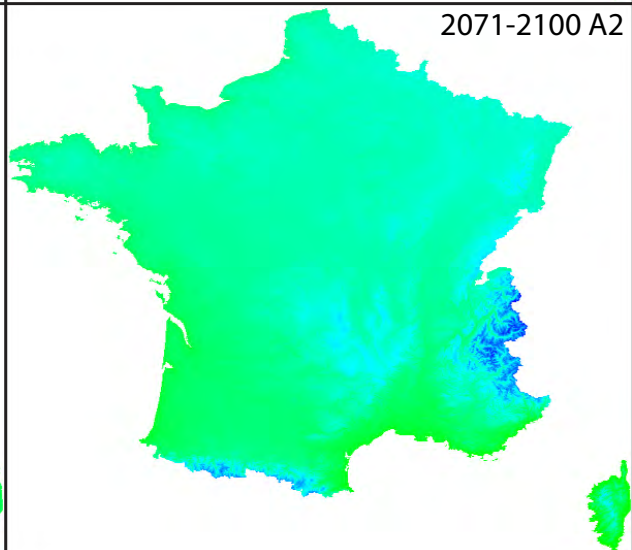
2071-2100 A1B



2021-2050 A2



2071-2100 A2



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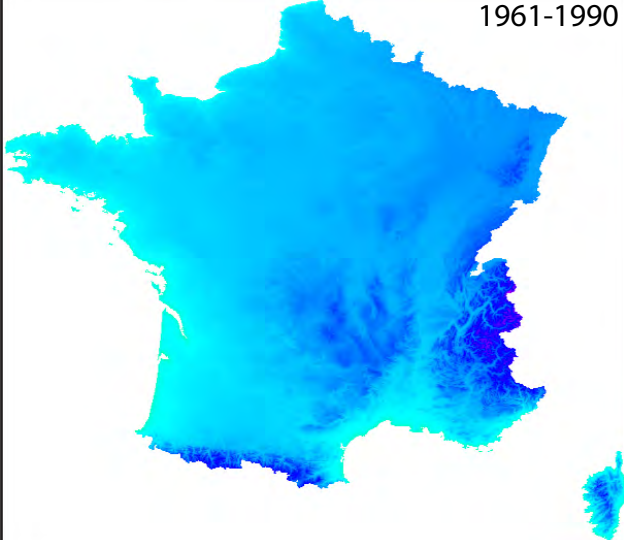
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-5

1961-1990

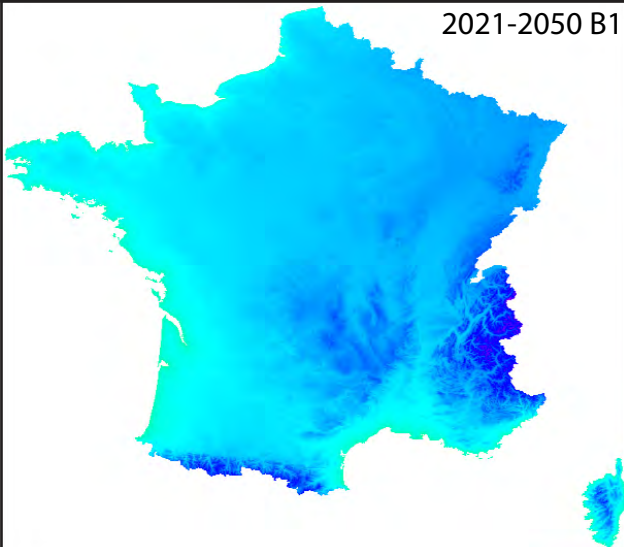


Températures minimales mensuelles de novembre à 1 km de résolution

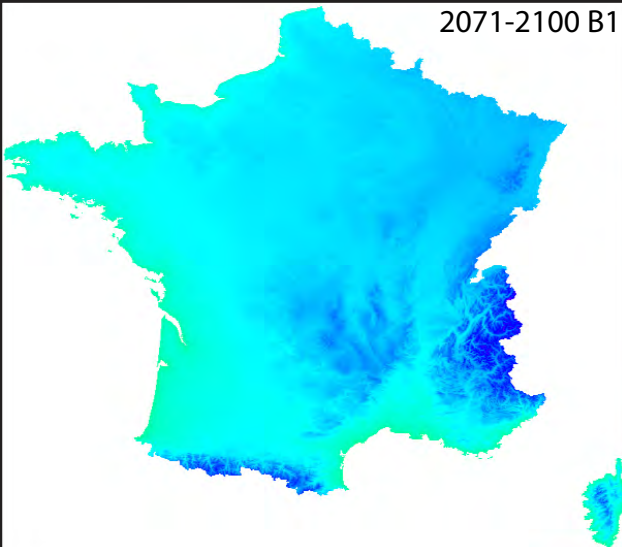
0 250 500 km



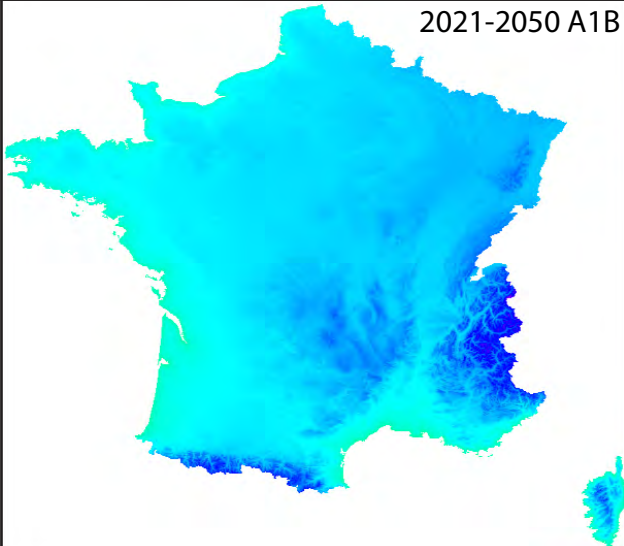
2021-2050 B1



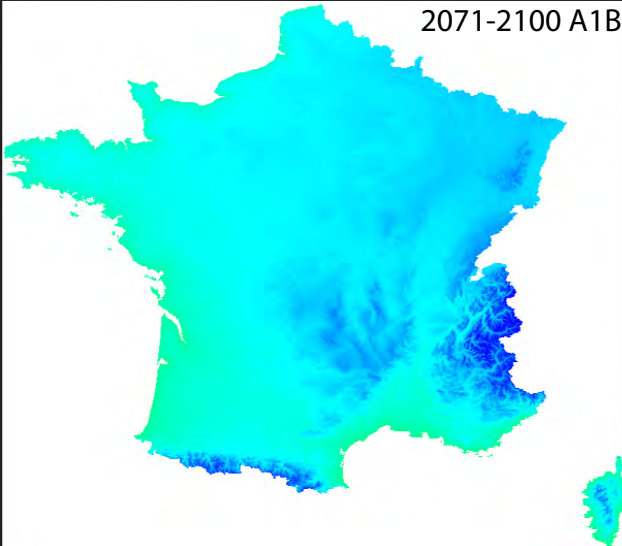
2071-2100 B1



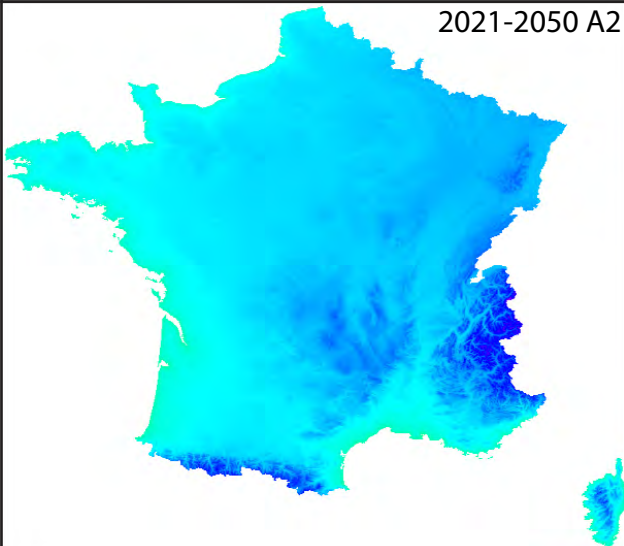
2021-2050 A1B



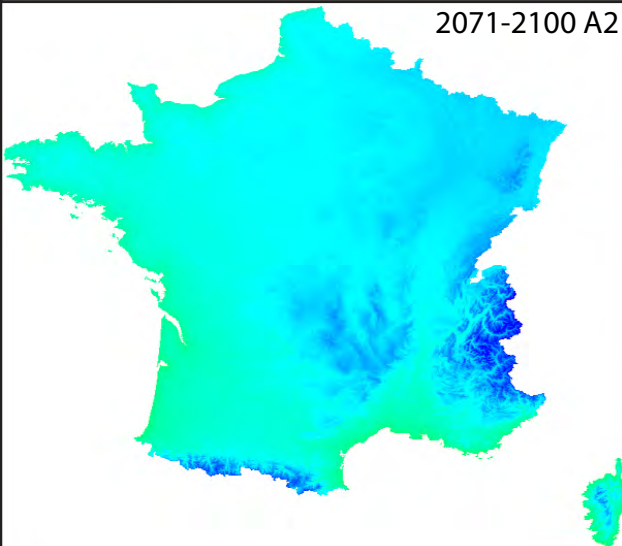
2071-2100 A1B



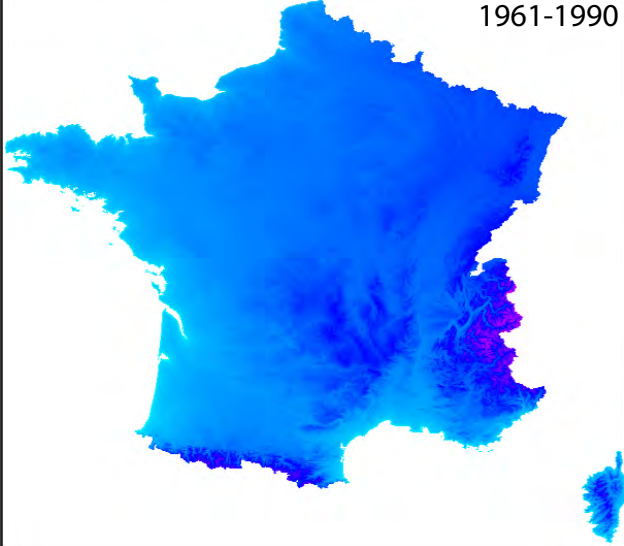
2021-2050 A2



2071-2100 A2



1961-1990



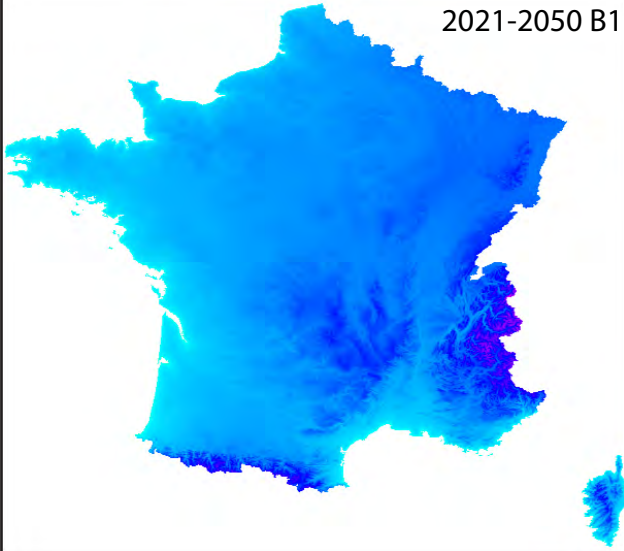
Températures minimales mensuelles de décembre à 1 km de résolution

0 250 500 km

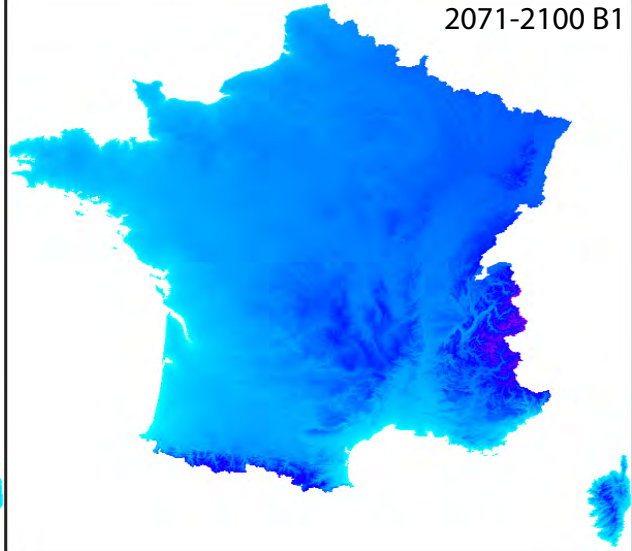
N



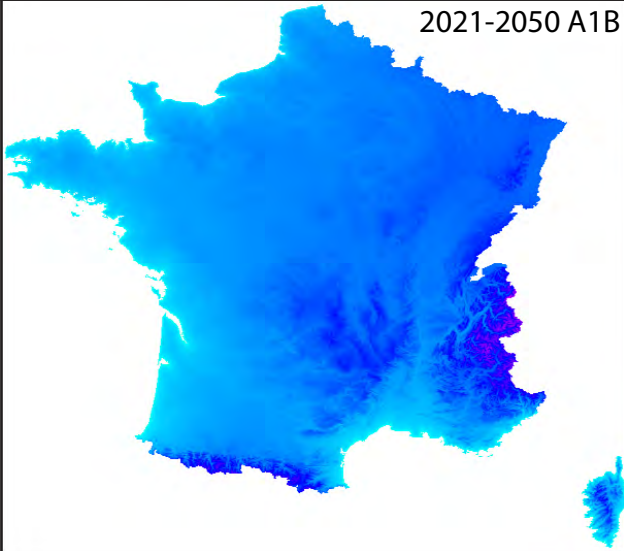
2021-2050 B1



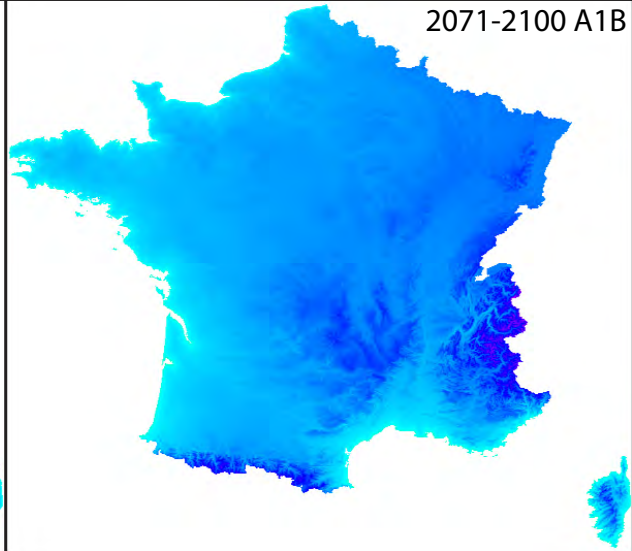
2071-2100 B1



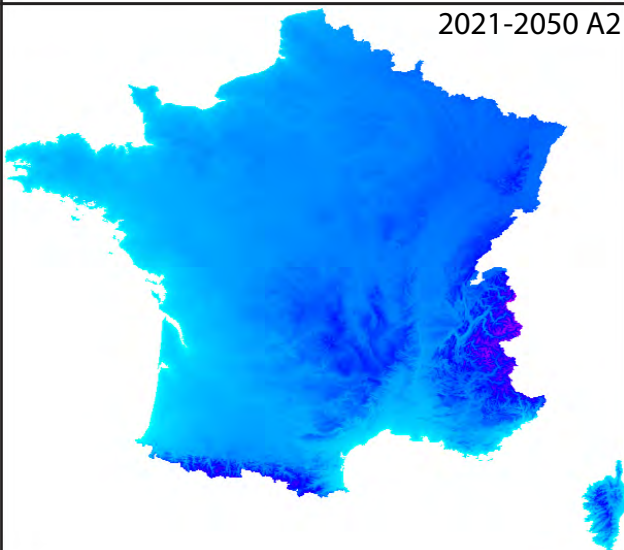
2021-2050 A1B



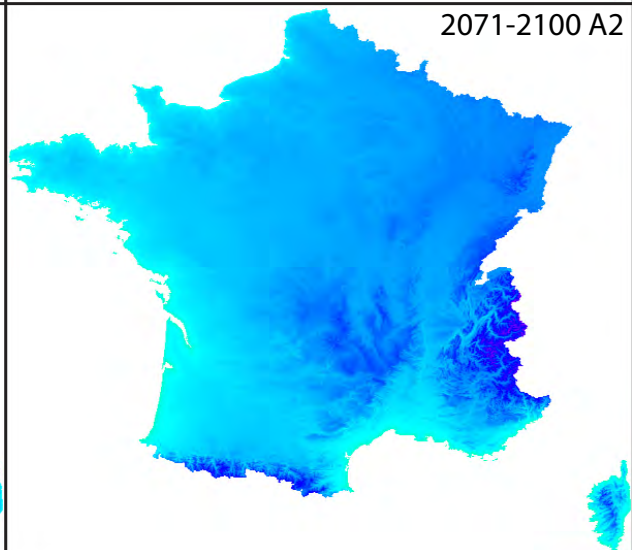
2071-2100 A1B



2021-2050 A2



2071-2100 A2



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7,5

5

2,5

0

-2,5

-5

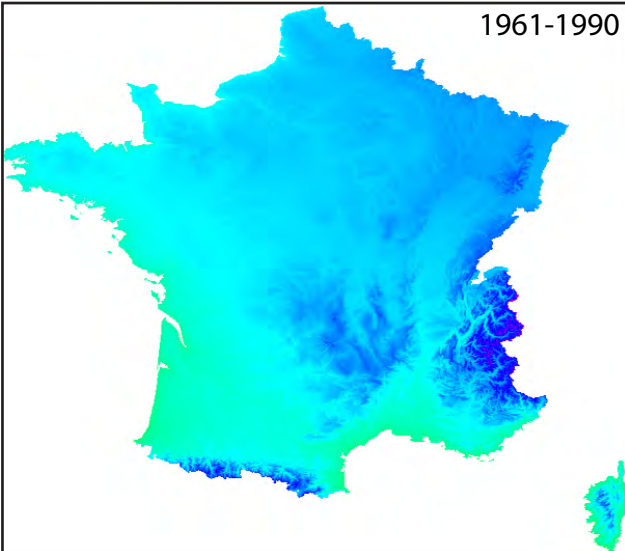
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-10

-12,5

-15

1961-1990

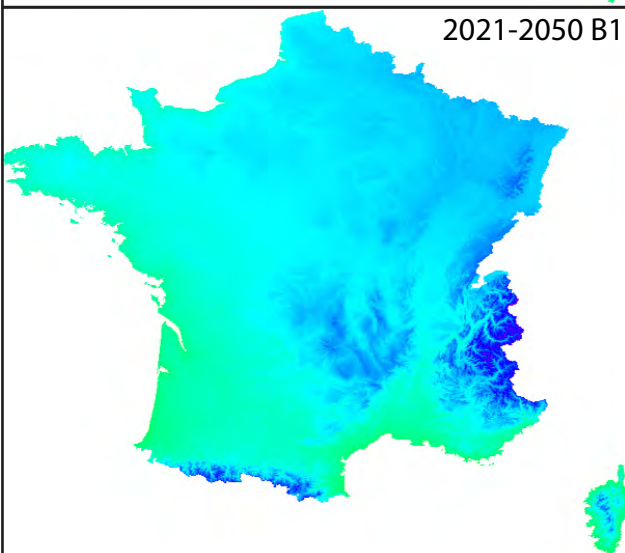


Températures maximales mensuelles de janvier à 1 km de résolution

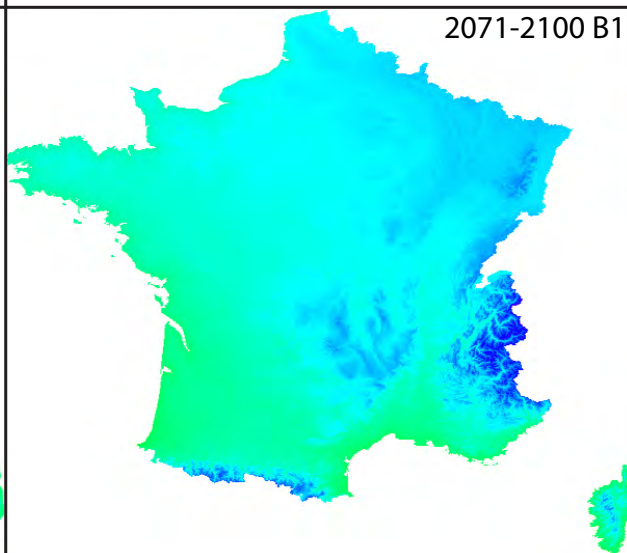
0 250 500 km



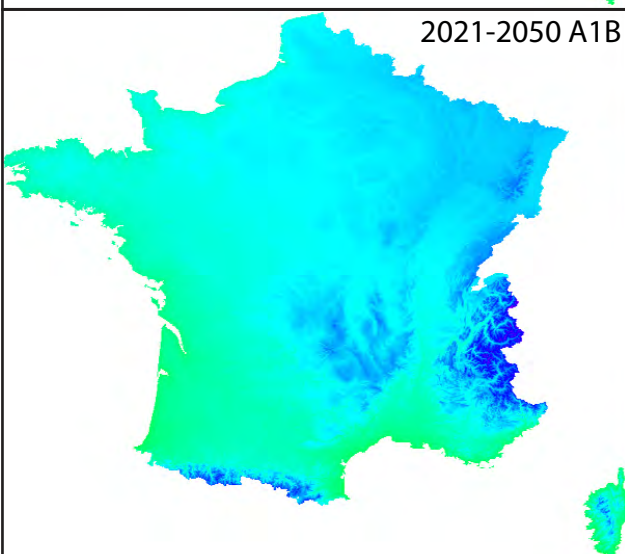
2021-2050 B1



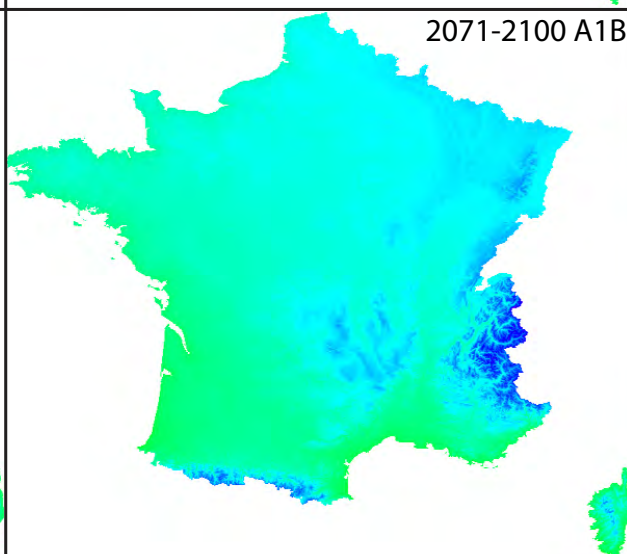
2071-2100 B1



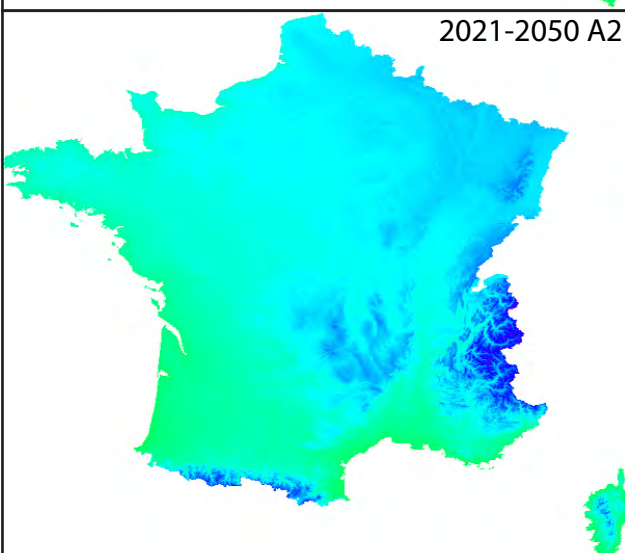
2021-2050 A1B



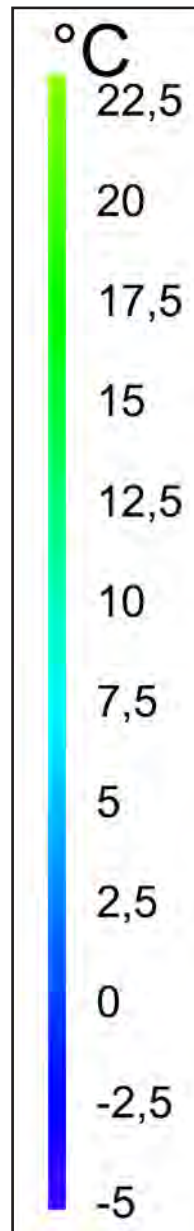
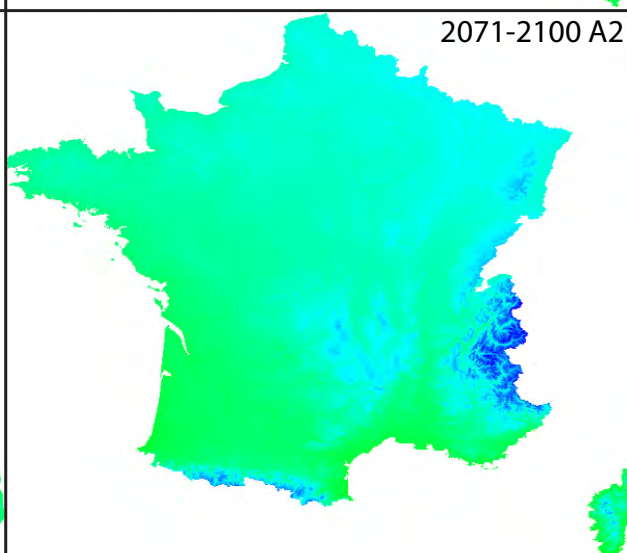
2071-2100 A1B



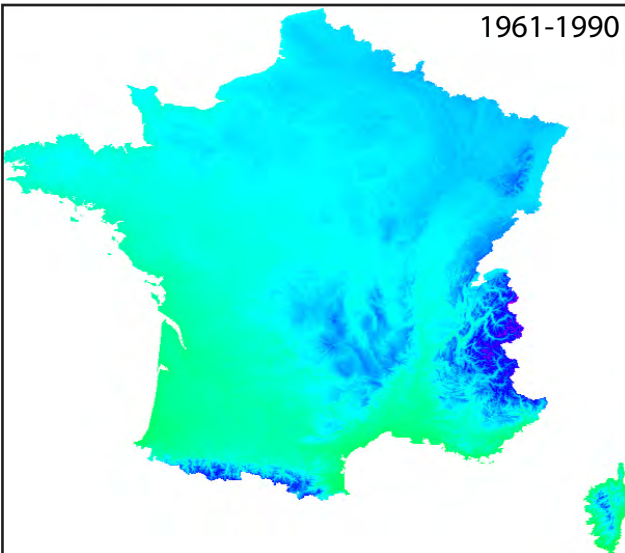
2021-2050 A2



2071-2100 A2



1961-1990

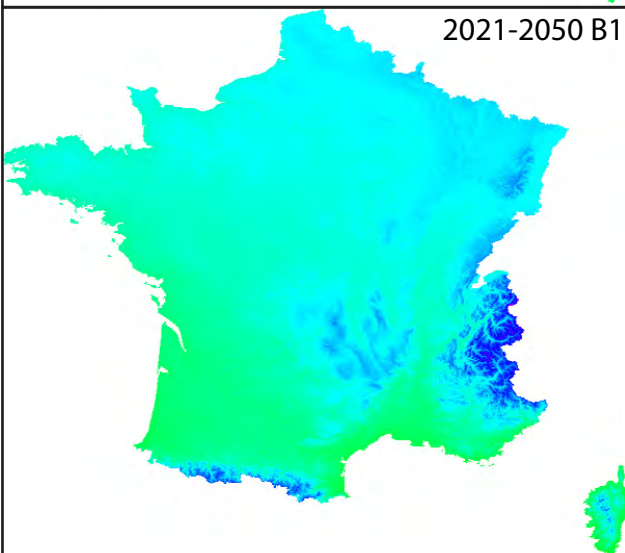


Températures maximales mensuelles de février à 1 km de résolution

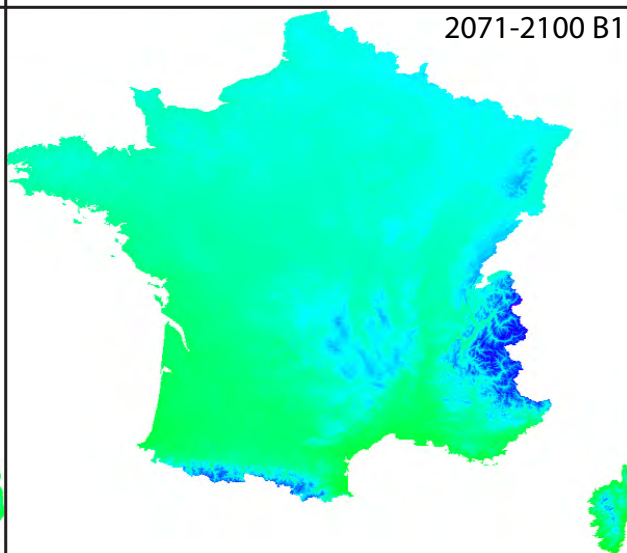
0 250 500 km



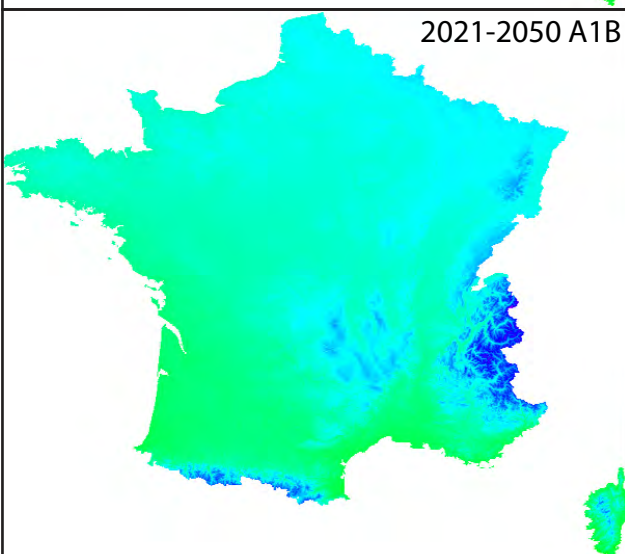
2021-2050 B1



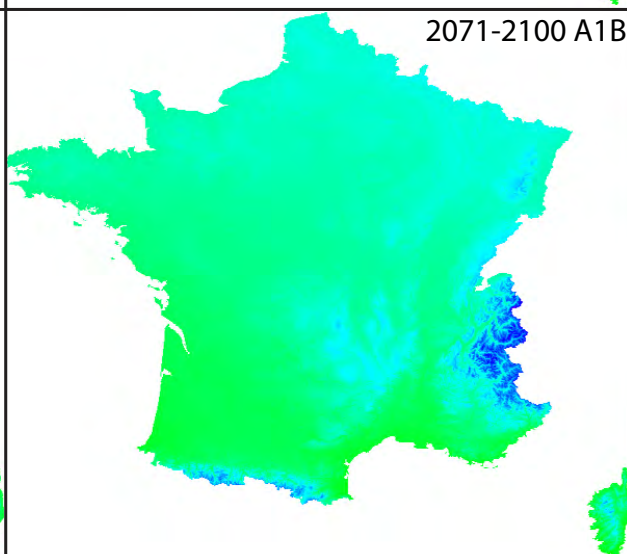
2071-2100 B1



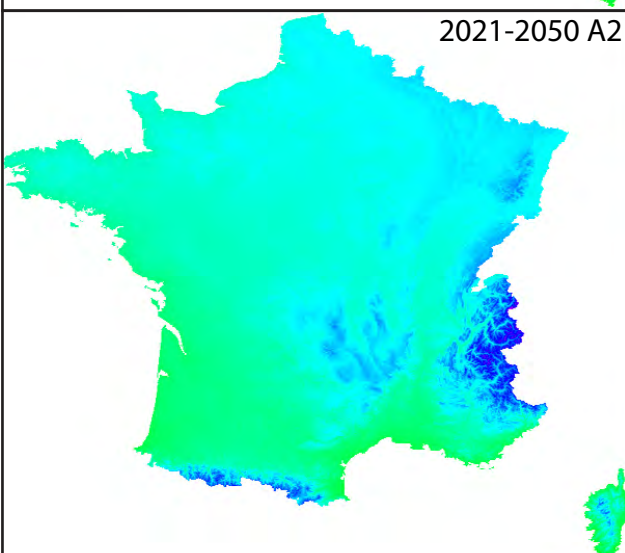
2021-2050 A1B



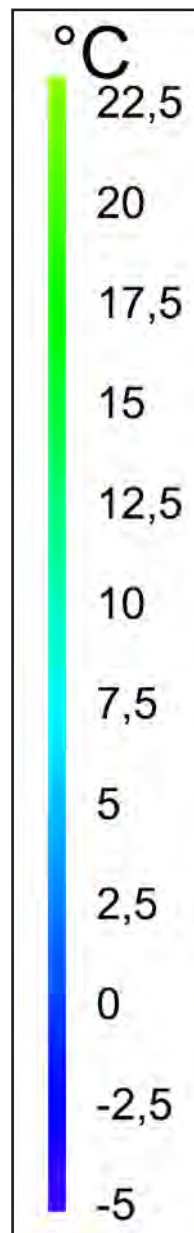
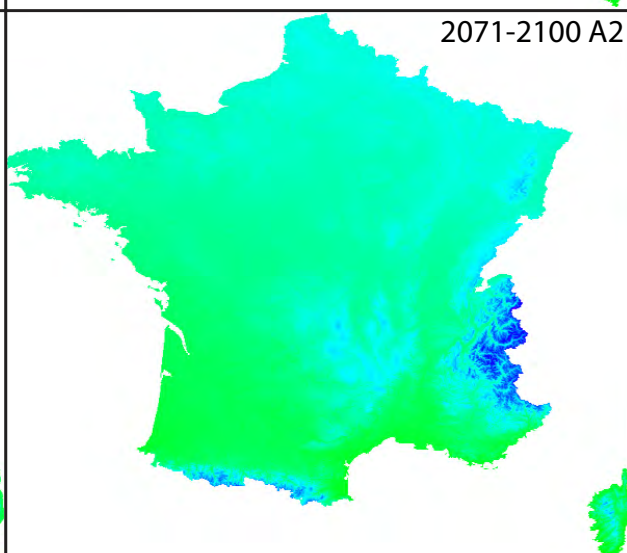
2071-2100 A1B



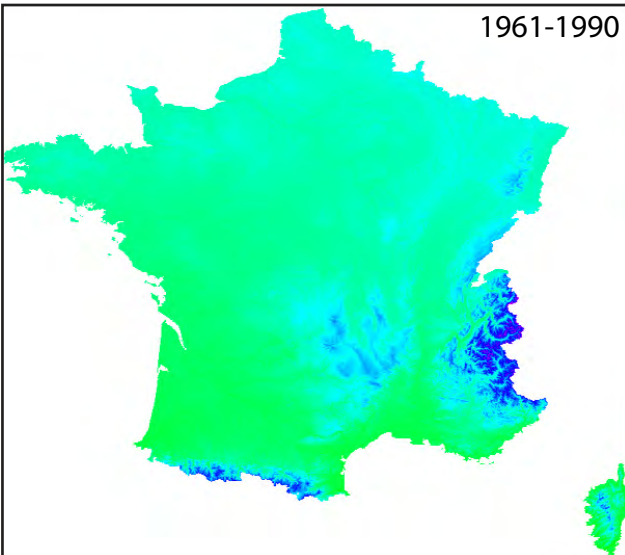
2021-2050 A2



2071-2100 A2



1961-1990

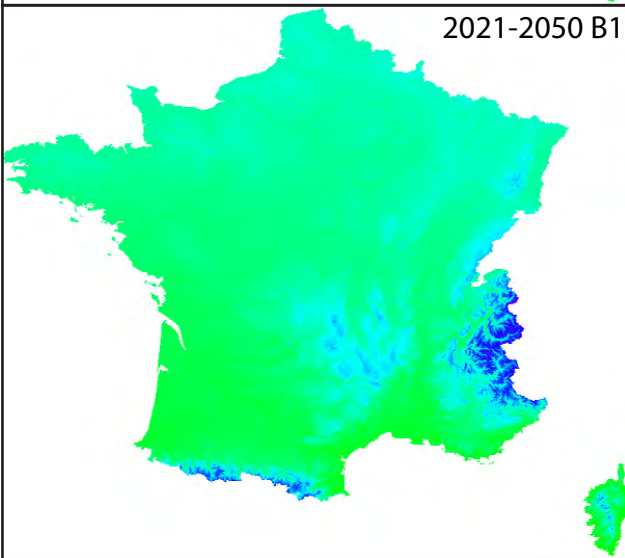


Températures maximales mensuelles de mars à 1 km de résolution

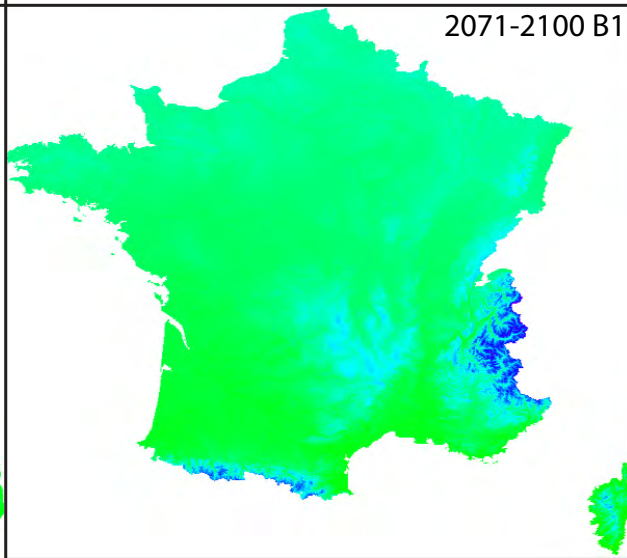
0 250 500 km



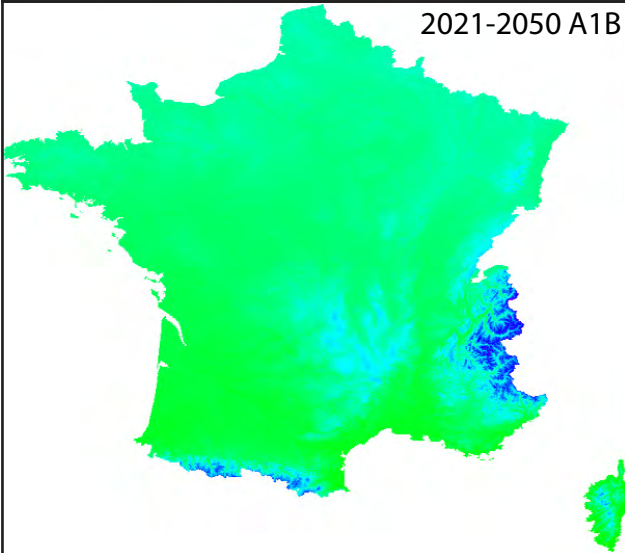
2021-2050 B1



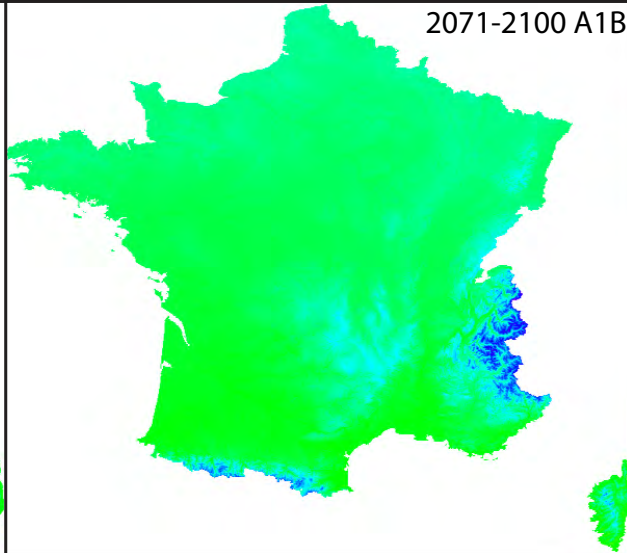
2071-2100 B1



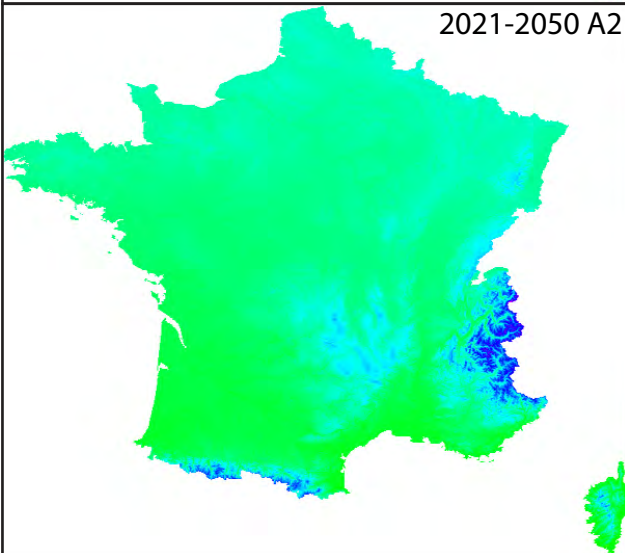
2021-2050 A1B



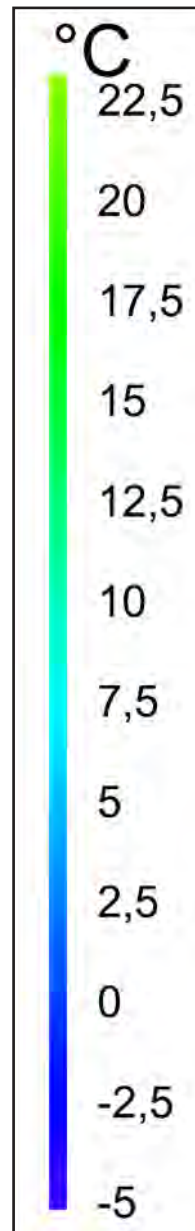
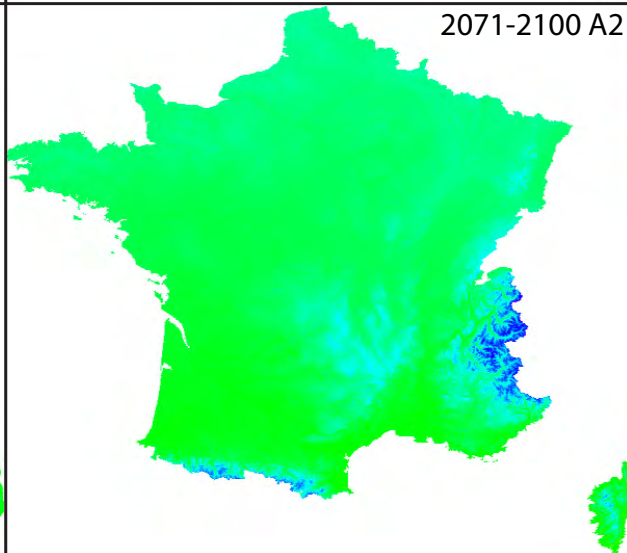
2071-2100 A1B



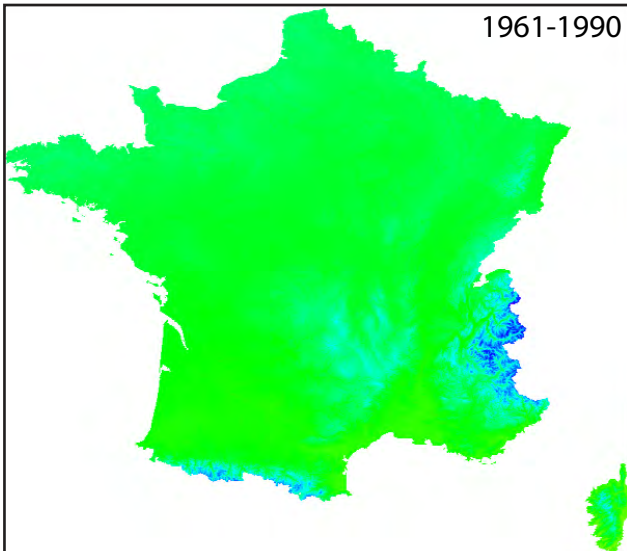
2021-2050 A2



2071-2100 A2



1961-1990

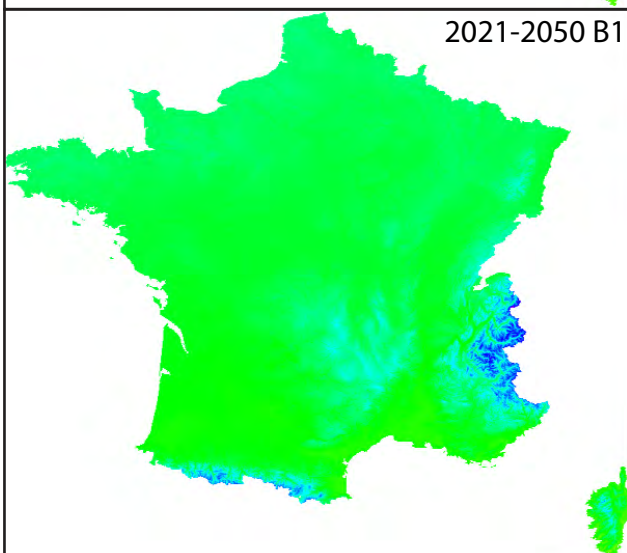


Températures maximales mensuelles d'avril à 1 km de résolution

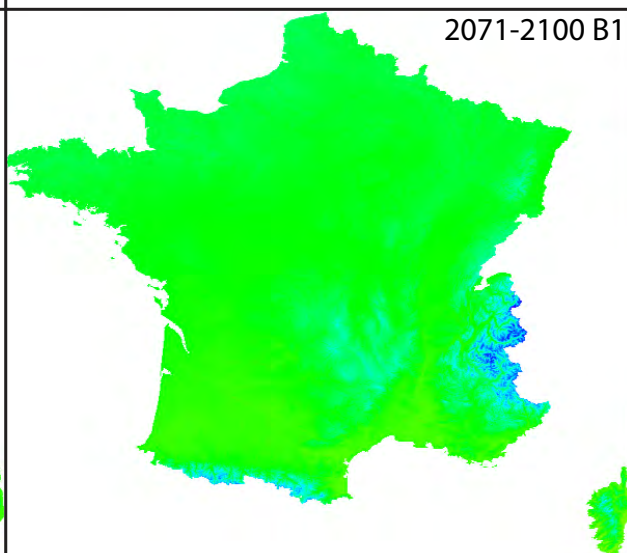
0 250 500 km



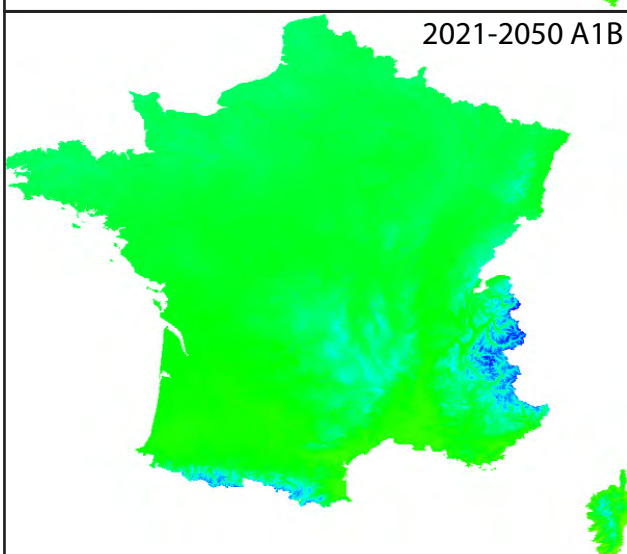
2021-2050 B1



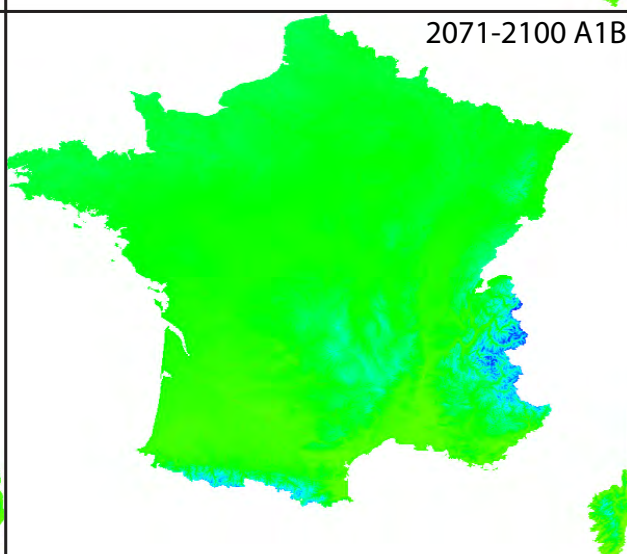
2071-2100 B1



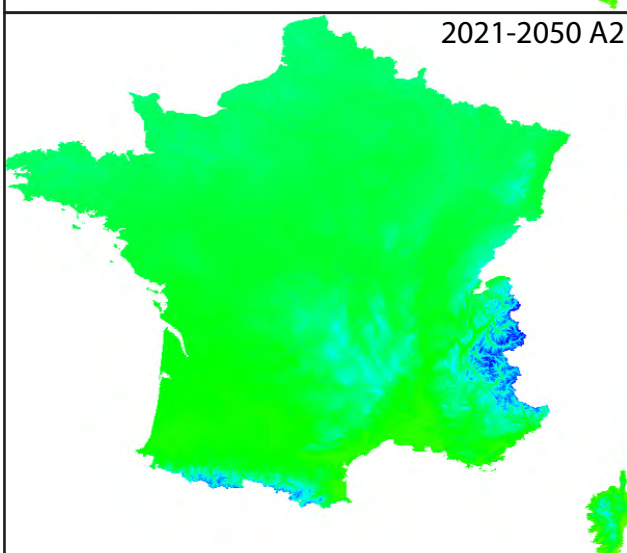
2021-2050 A1B



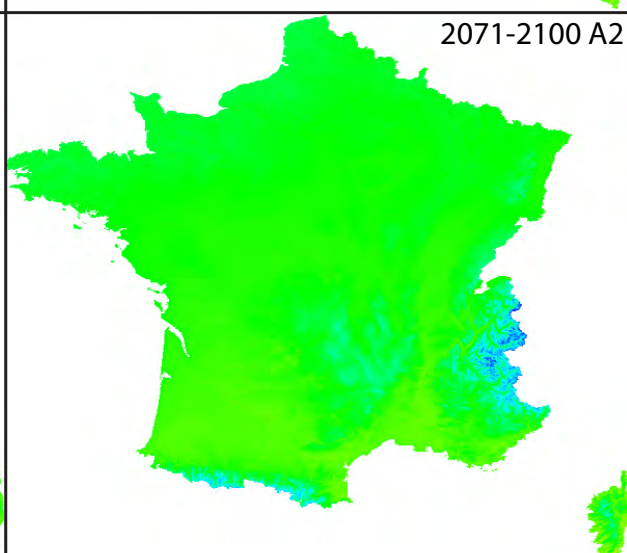
2071-2100 A1B



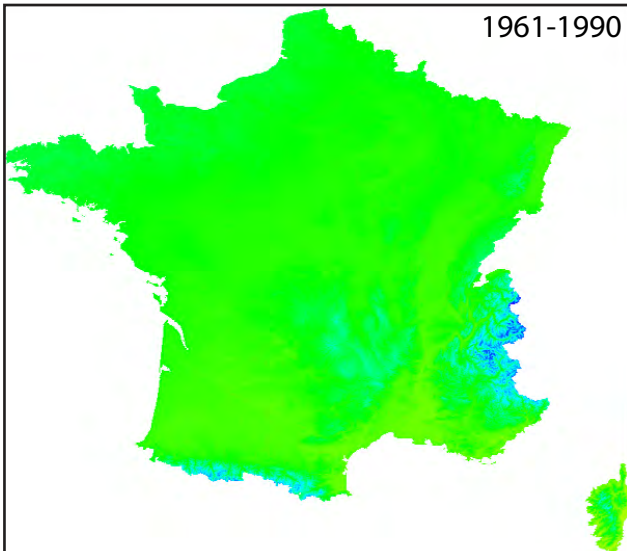
2021-2050 A2



2071-2100 A2



1961-1990

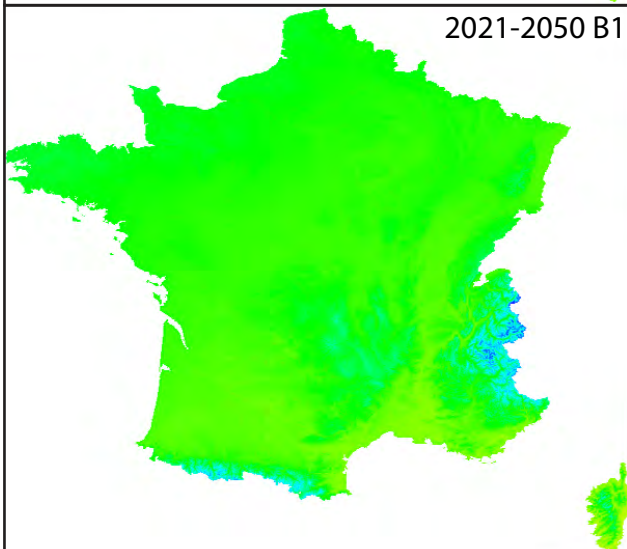


Températures maximales mensuelles de mai à 1 km de résolution

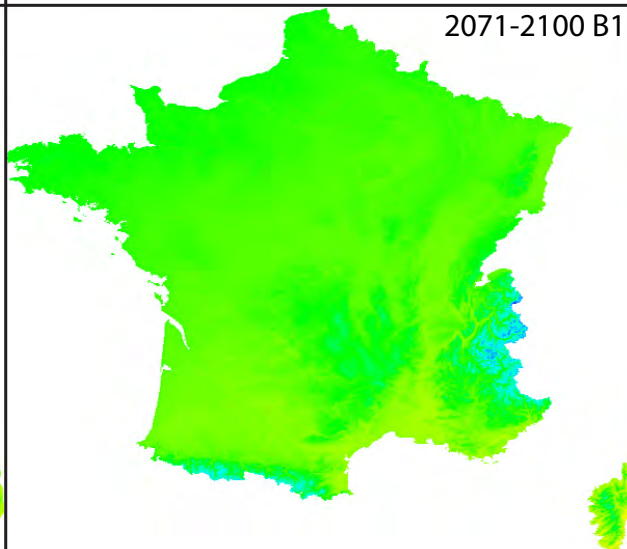
0 250 500 km



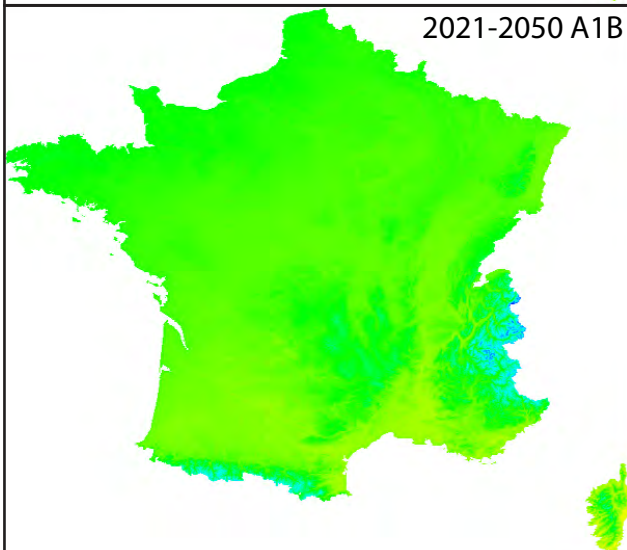
2021-2050 B1



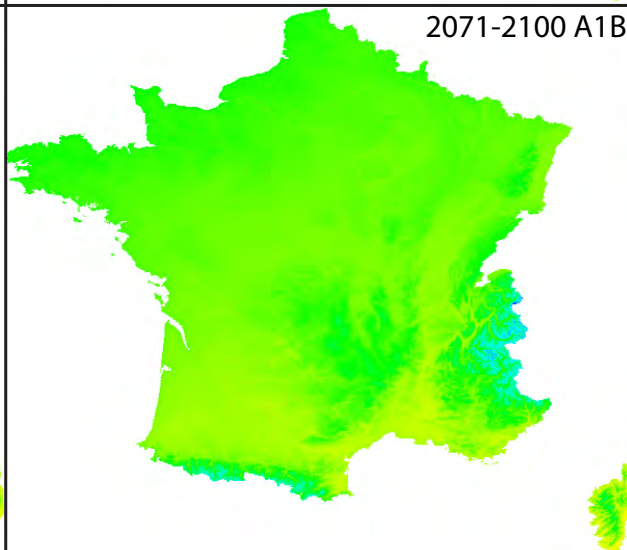
2071-2100 B1



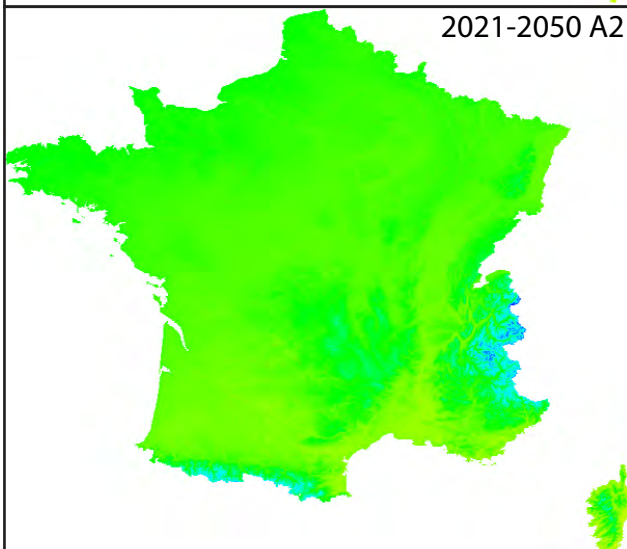
2021-2050 A1B



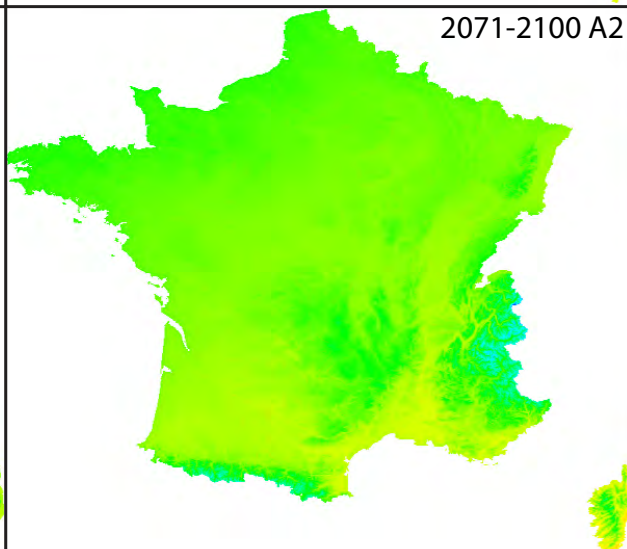
2071-2100 A1B



2021-2050 A2



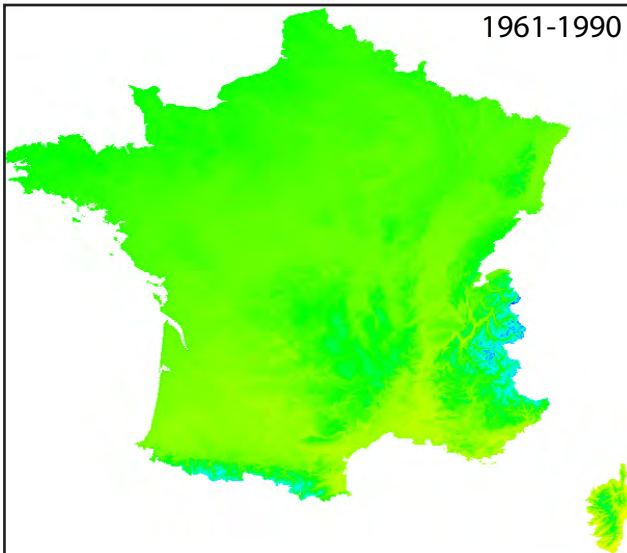
2071-2100 A2



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1961-1990

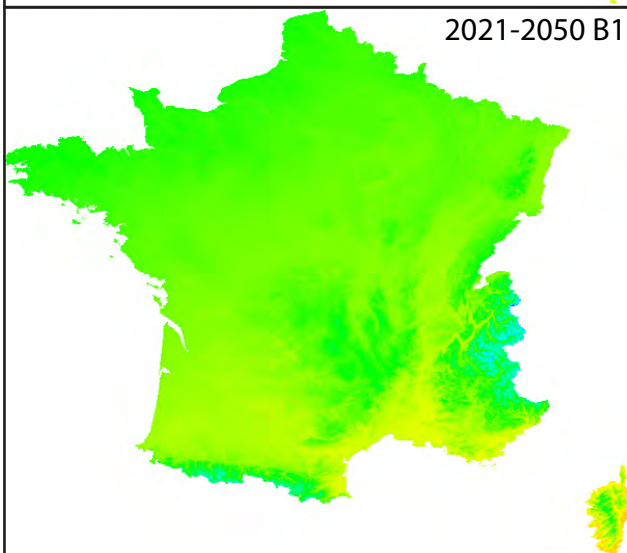


Températures maximales mensuelles de juin à 1 km de résolution

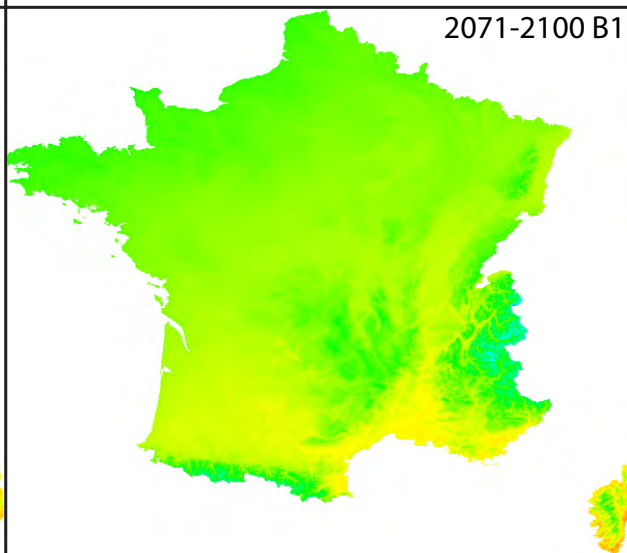
0 250 500 km



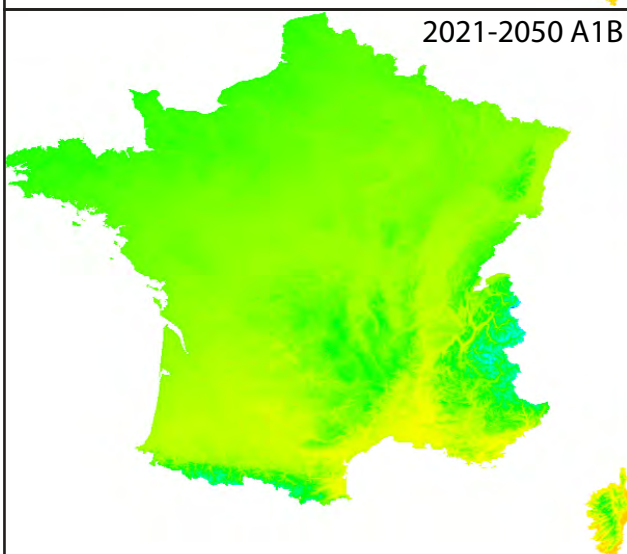
2021-2050 B1



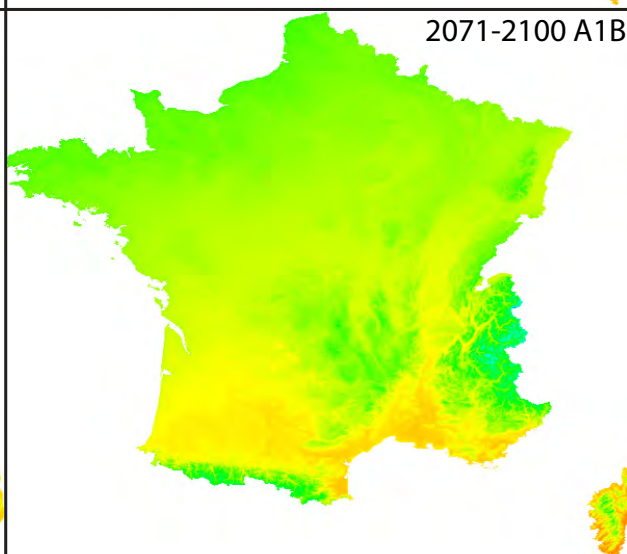
2071-2100 B1



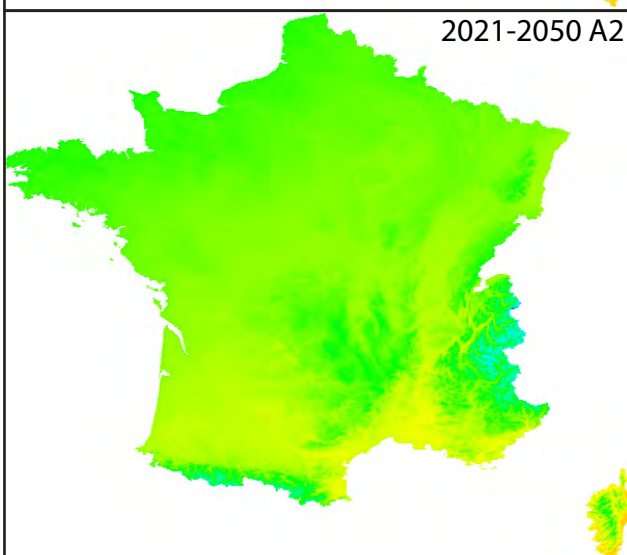
2021-2050 A1B



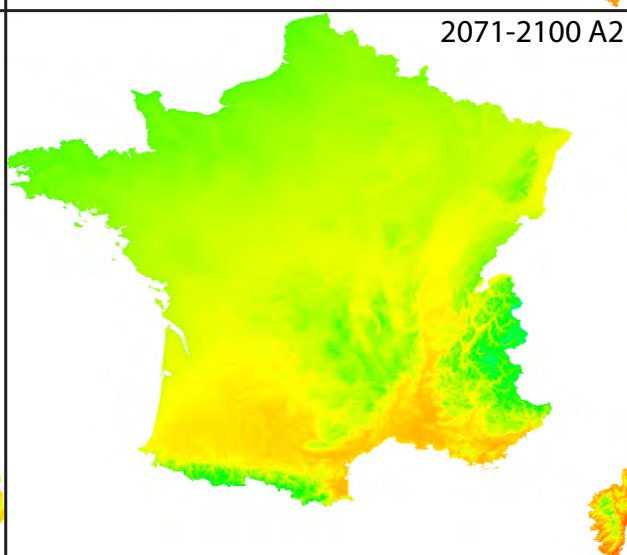
2071-2100 A1B



2021-2050 A2



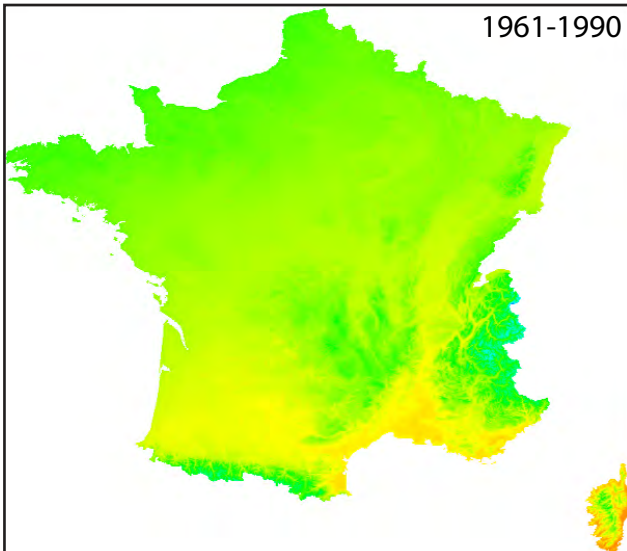
2071-2100 A2



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1961-1990

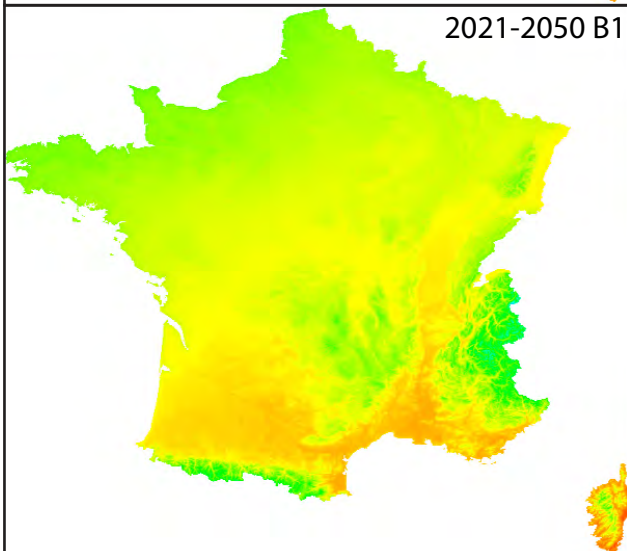


Températures maximales mensuelles de juillet à 1 km de résolution

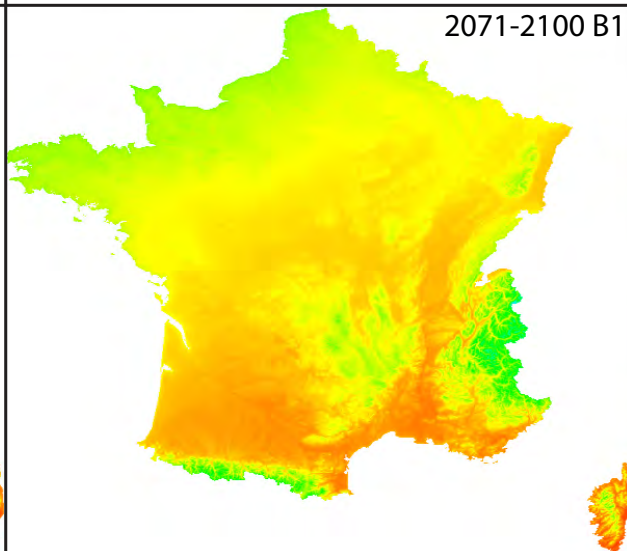
0 250 500 km



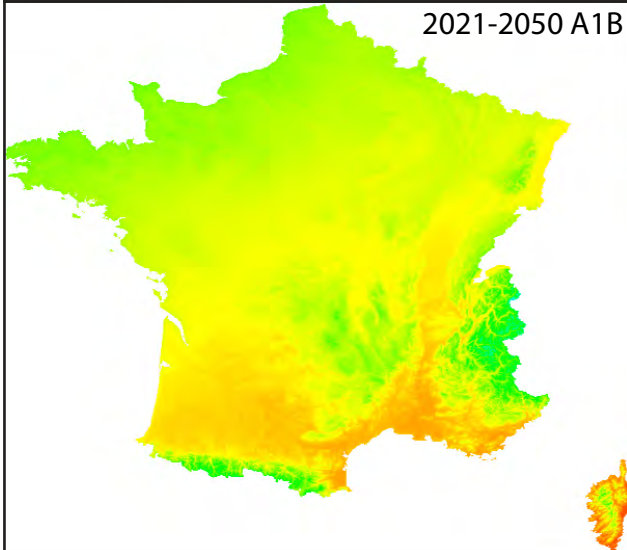
2021-2050 B1



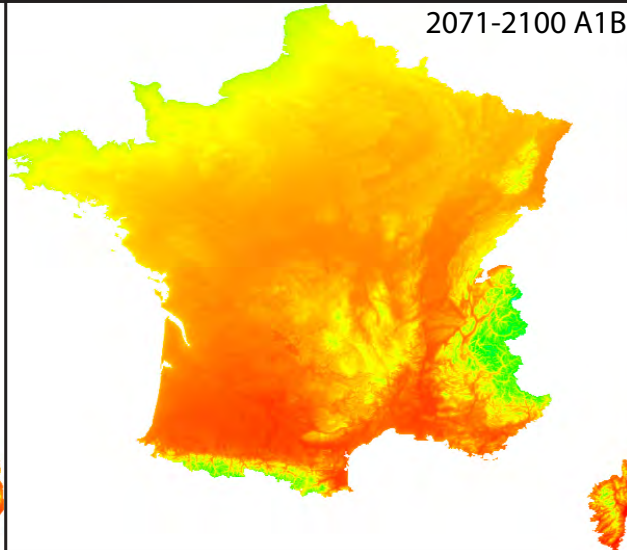
2071-2100 B1



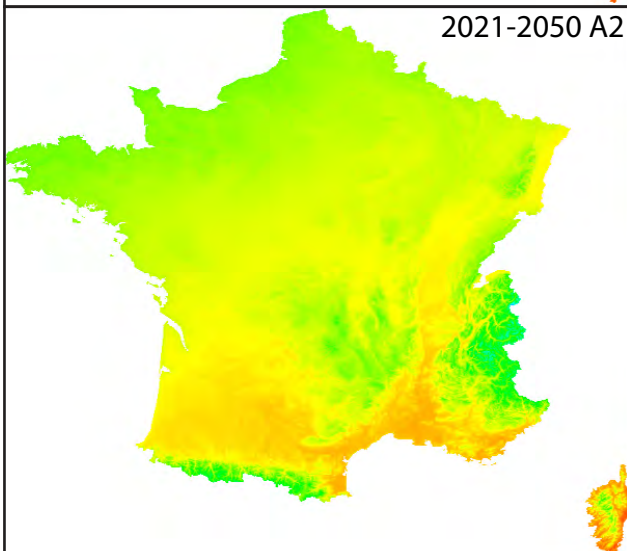
2021-2050 A1B



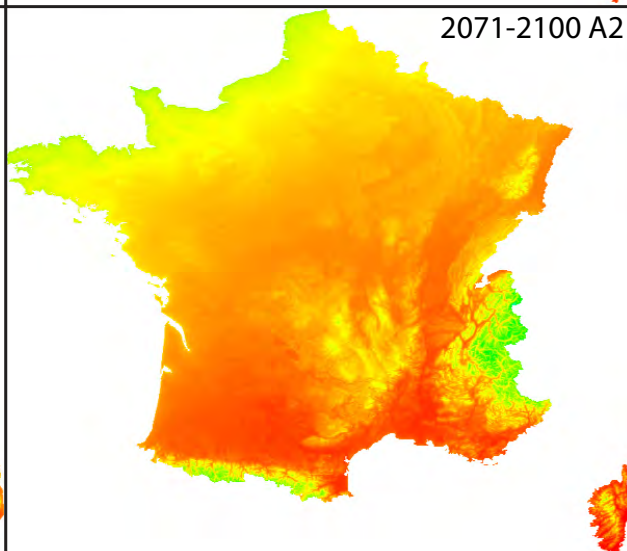
2071-2100 A1B



2021-2050 A2



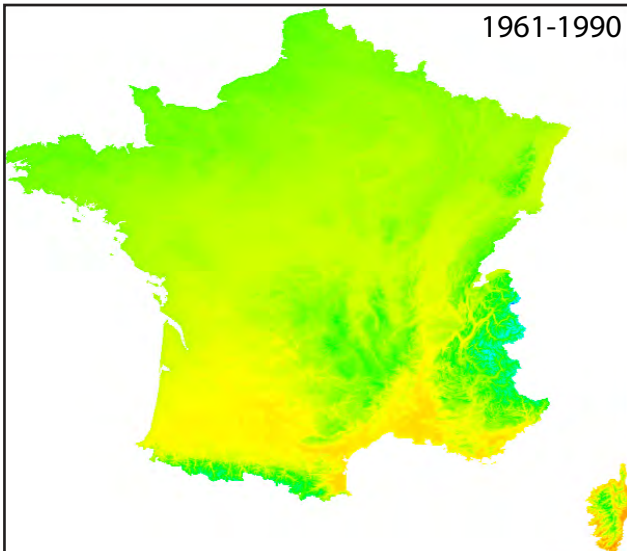
2071-2100 A2



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1961-1990

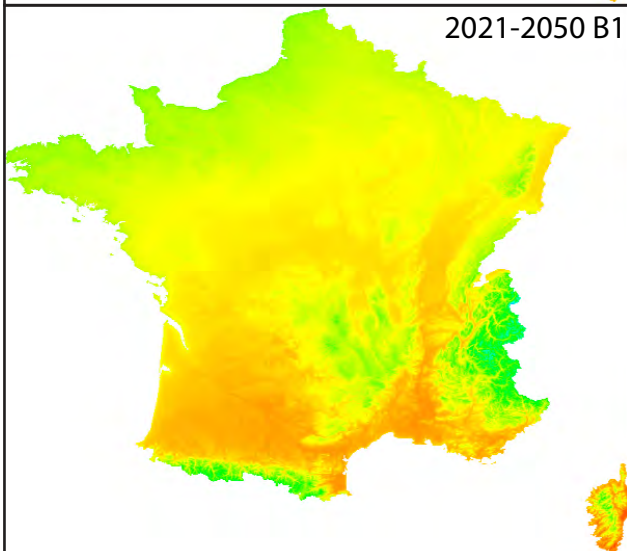


Températures maximales mensuelles d'août à 1 km de résolution

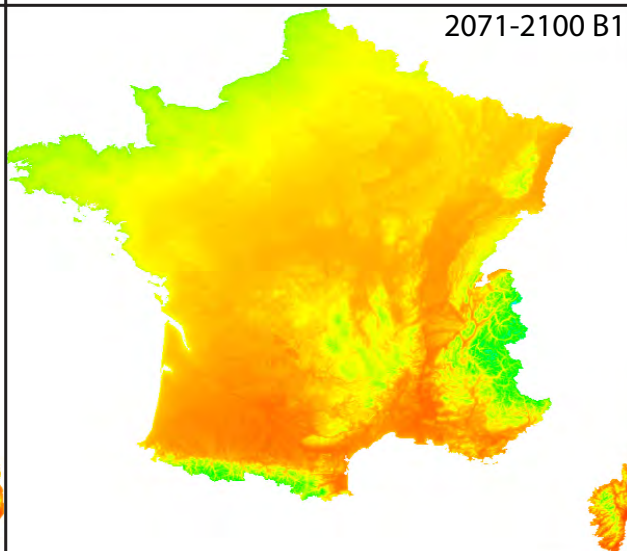
0 250 500 km



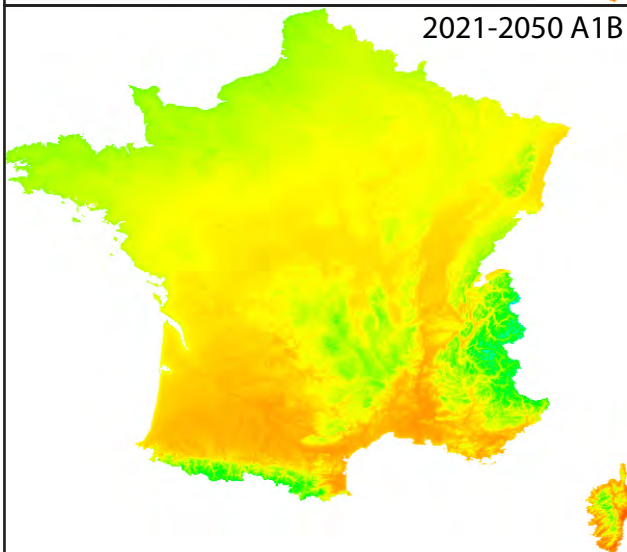
2021-2050 B1



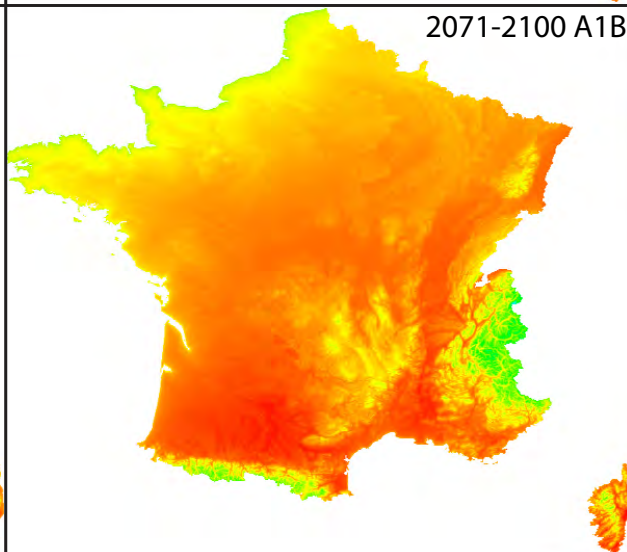
2071-2100 B1



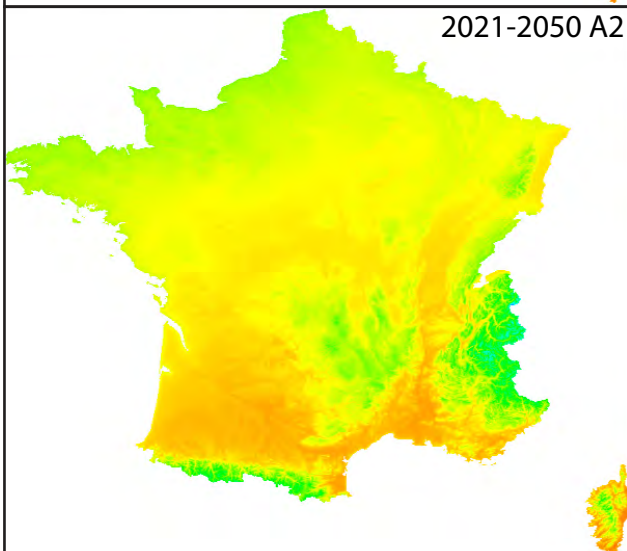
2021-2050 A1B



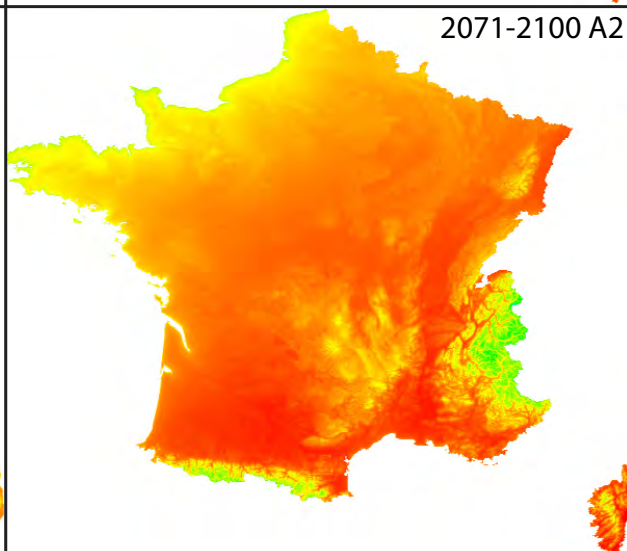
2071-2100 A1B



2021-2050 A2



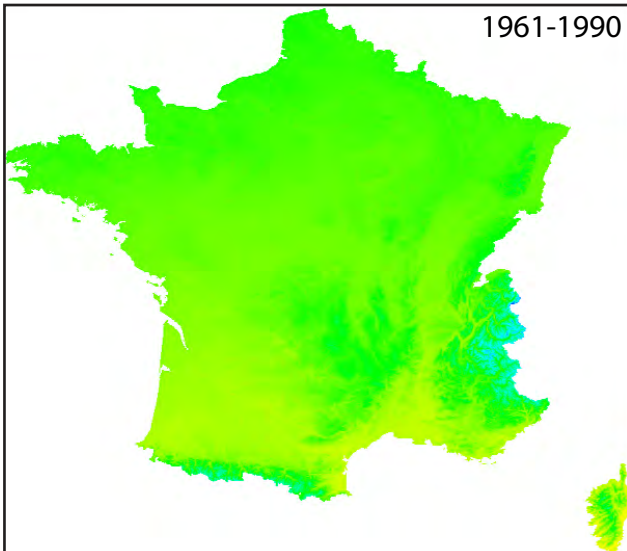
2071-2100 A2



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1961-1990

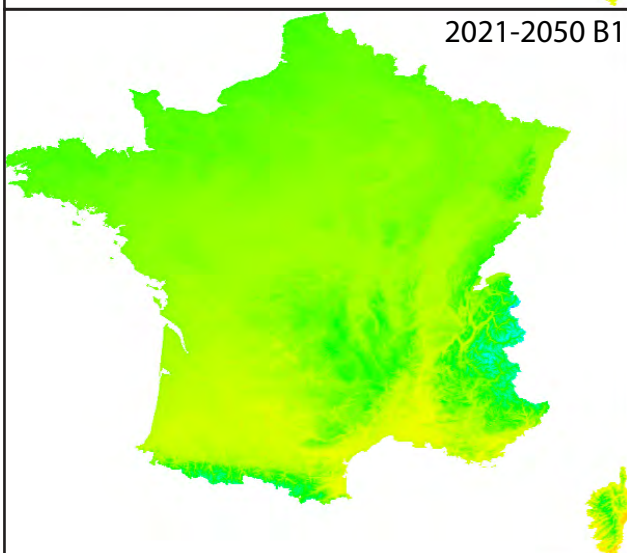


Températures maximales mensuelles de septembre à 1 km de résolution

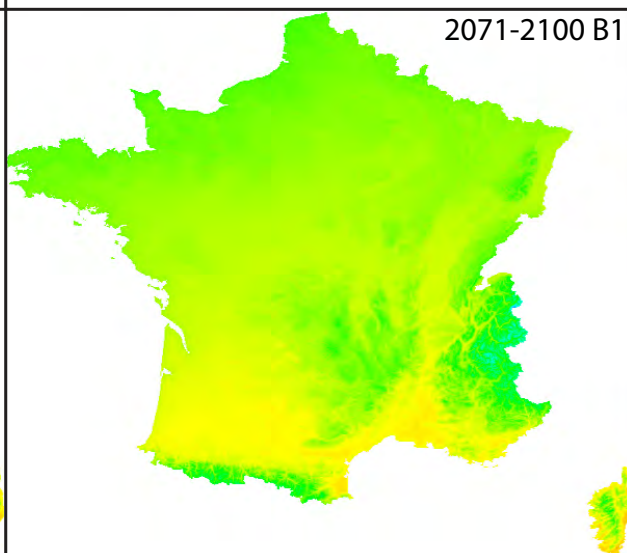
0 250 500 km



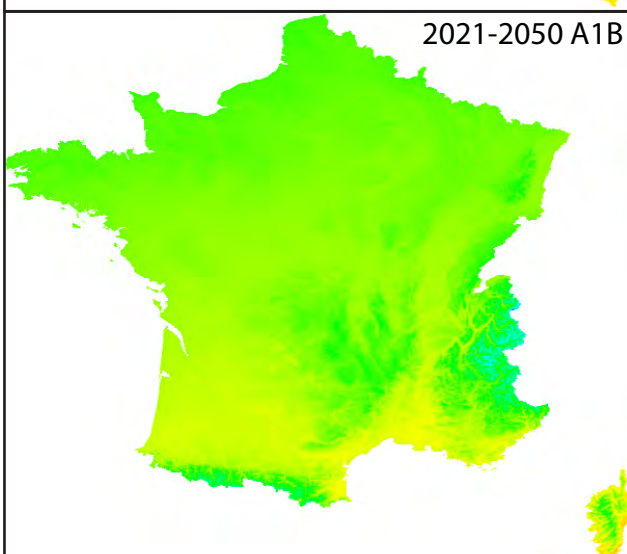
2021-2050 B1



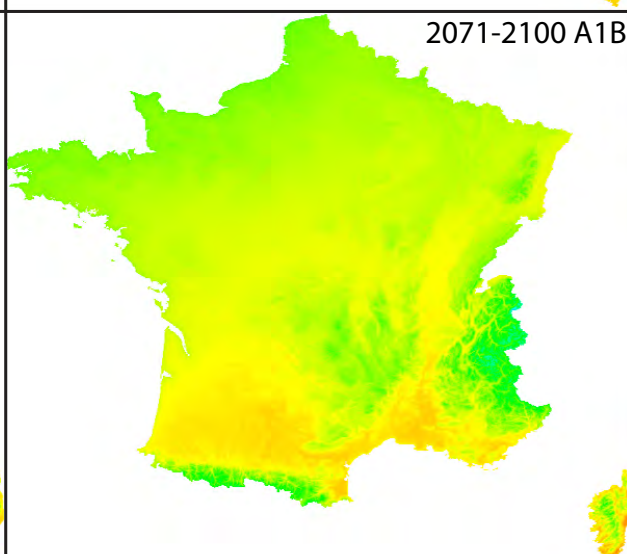
2071-2100 B1



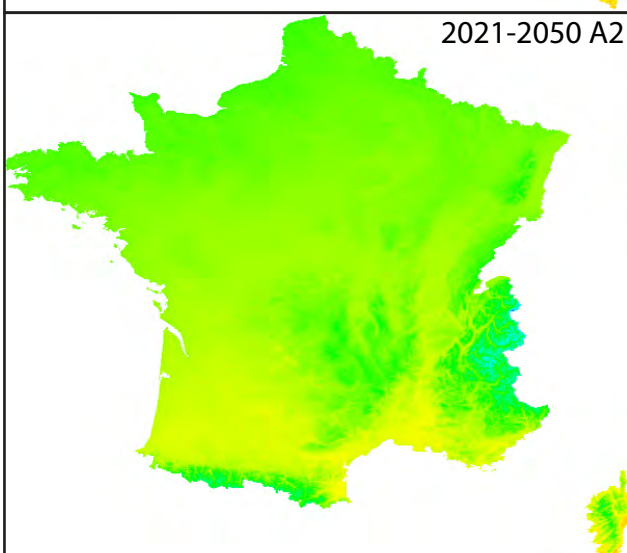
2021-2050 A1B



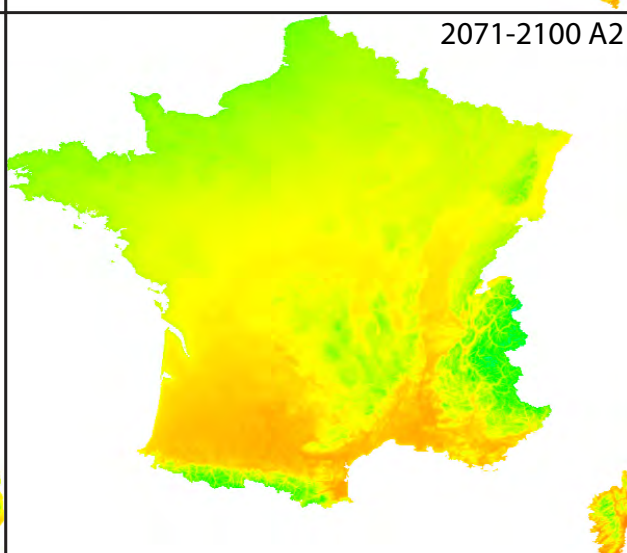
2071-2100 A1B



2021-2050 A2



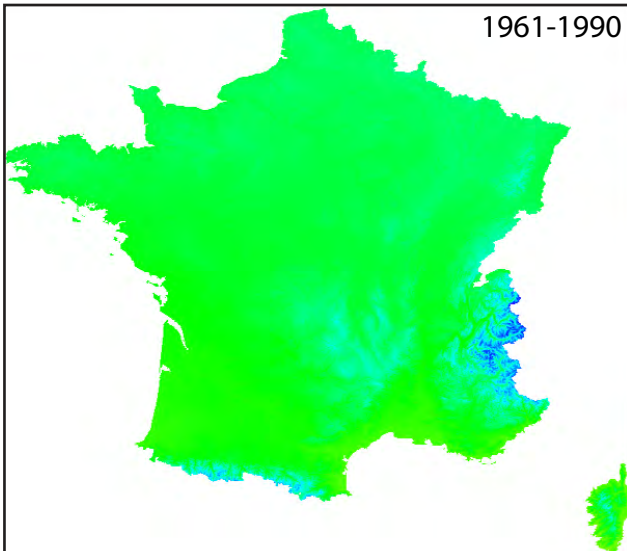
2071-2100 A2



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1961-1990

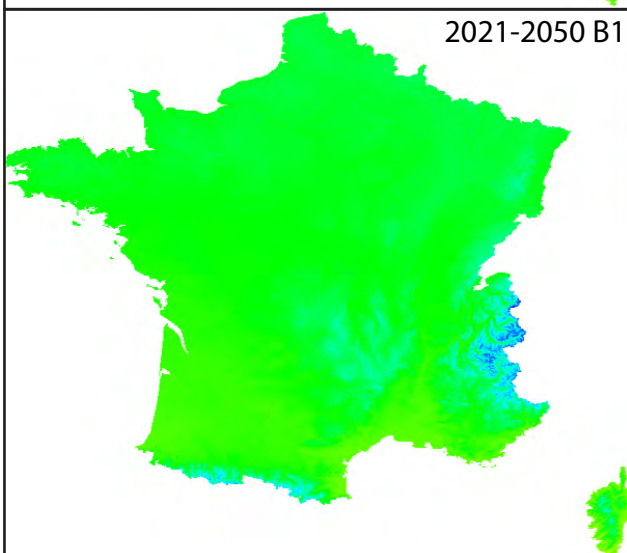


Températures maximales mensuelles d'octobre à 1 km de résolution

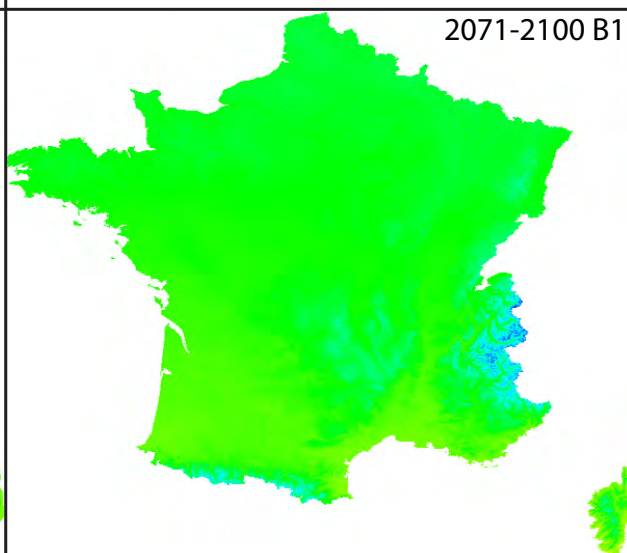
0 250 500 km



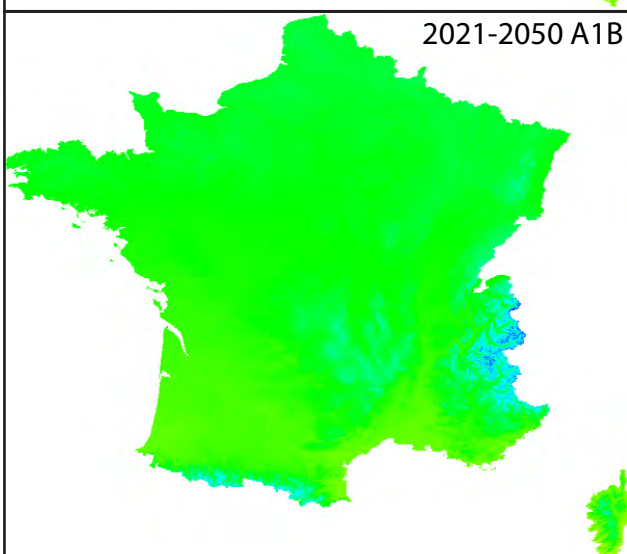
2021-2050 B1



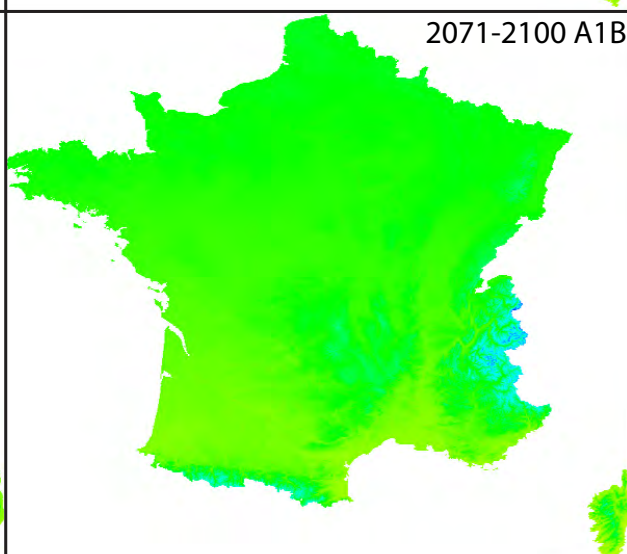
2071-2100 B1



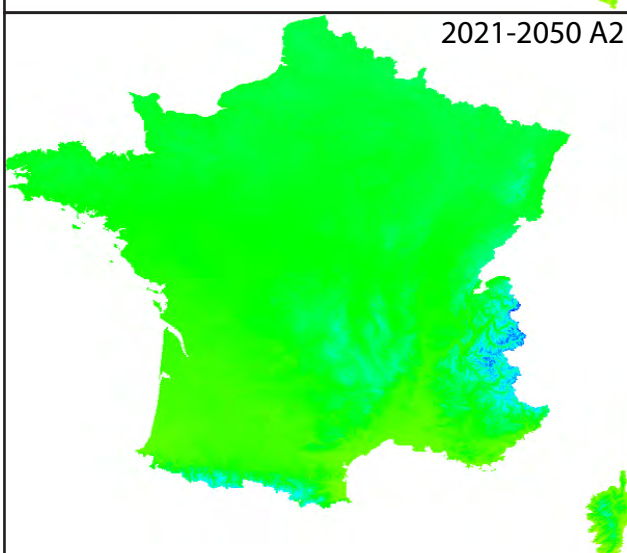
2021-2050 A1B



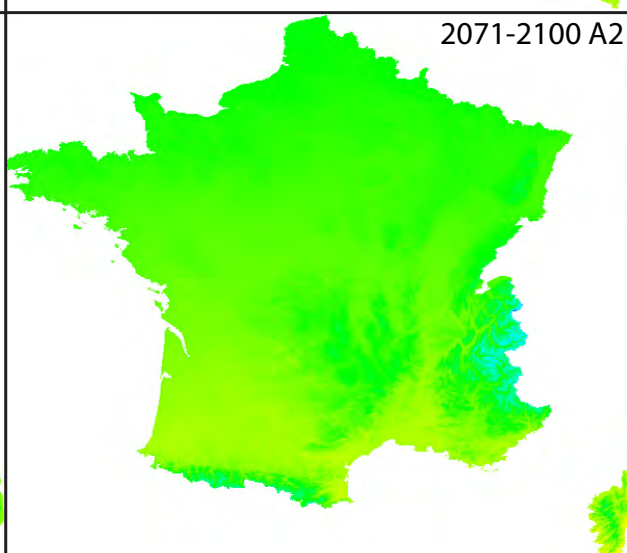
2071-2100 A1B



2021-2050 A2



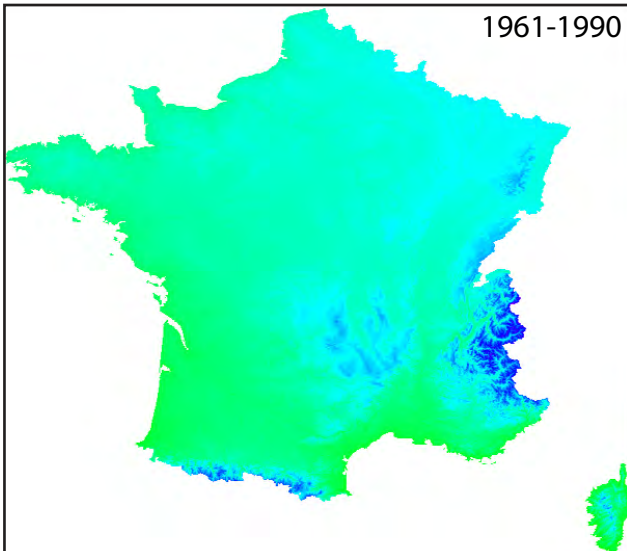
2071-2100 A2



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1961-1990

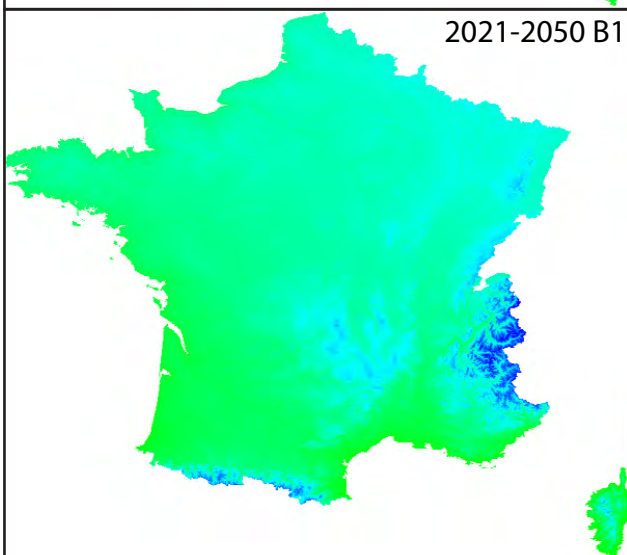


Températures maximales mensuelles de novembre à 1 km de résolution

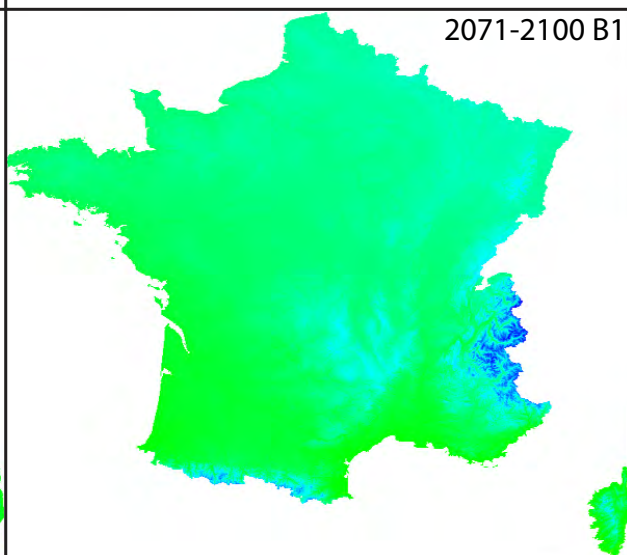
0 250 500 km



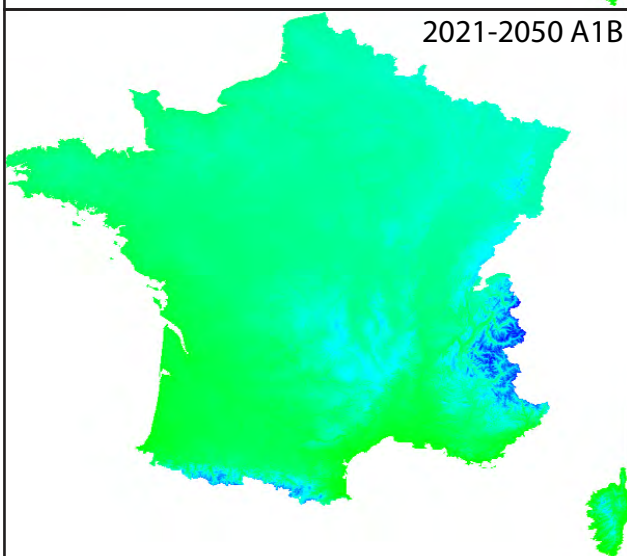
2021-2050 B1



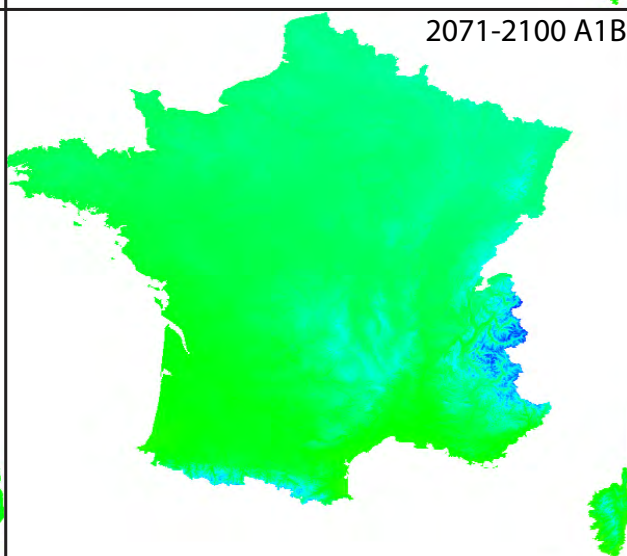
2071-2100 B1



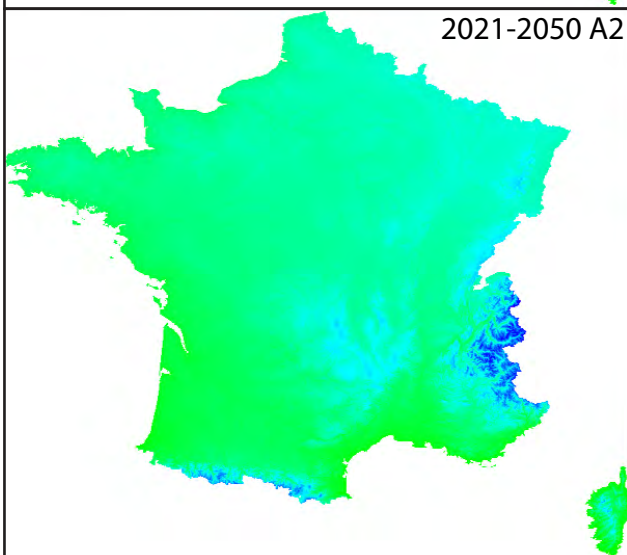
2021-2050 A1B



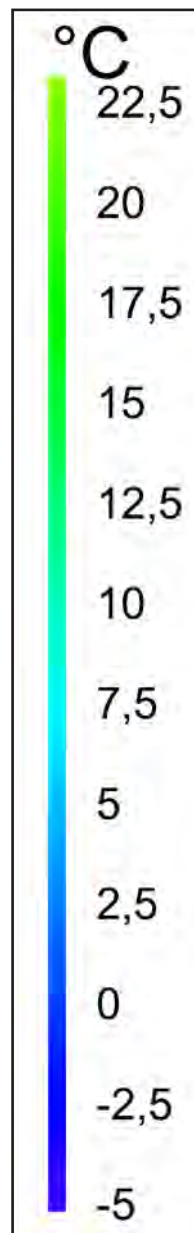
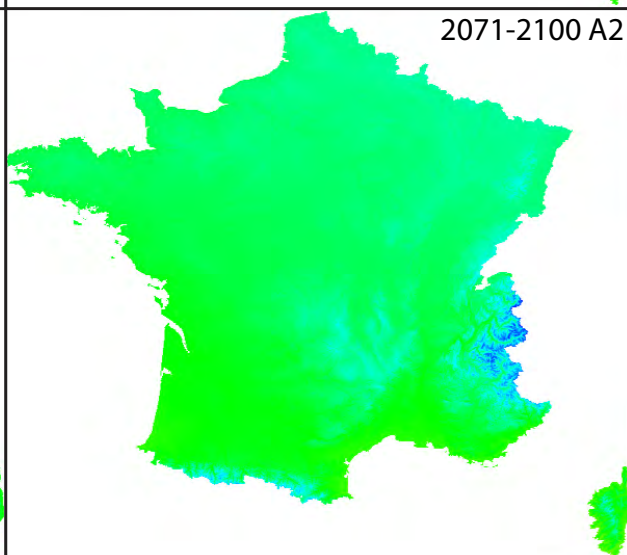
2071-2100 A1B



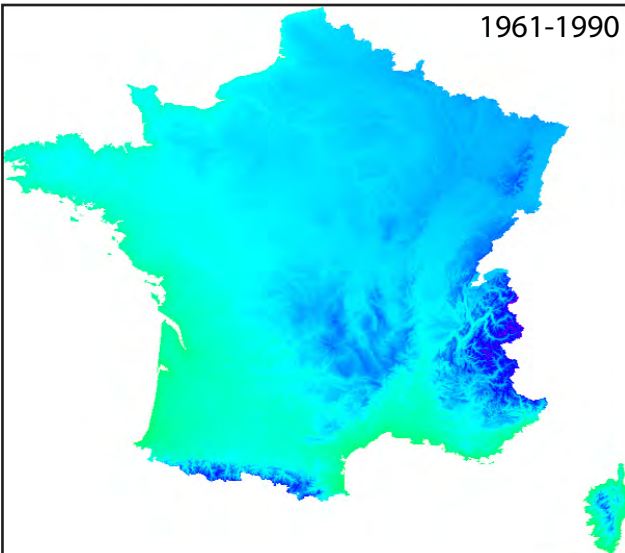
2021-2050 A2



2071-2100 A2



1961-1990

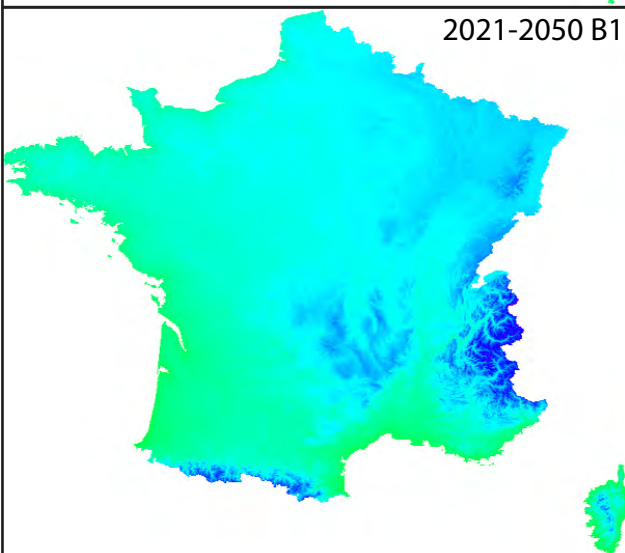


Températures maximales mensuelles de décembre à 1 km de résolution

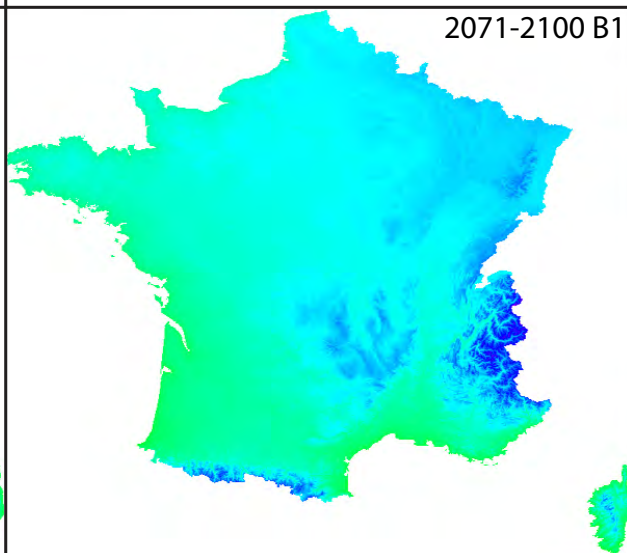
0 250 500 km



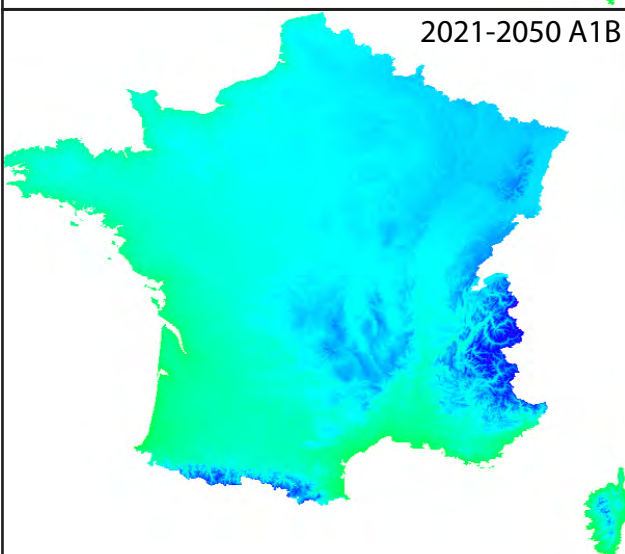
2021-2050 B1



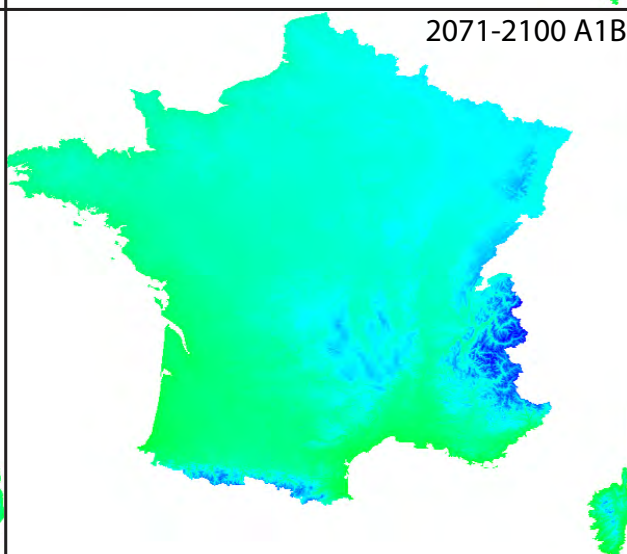
2071-2100 B1



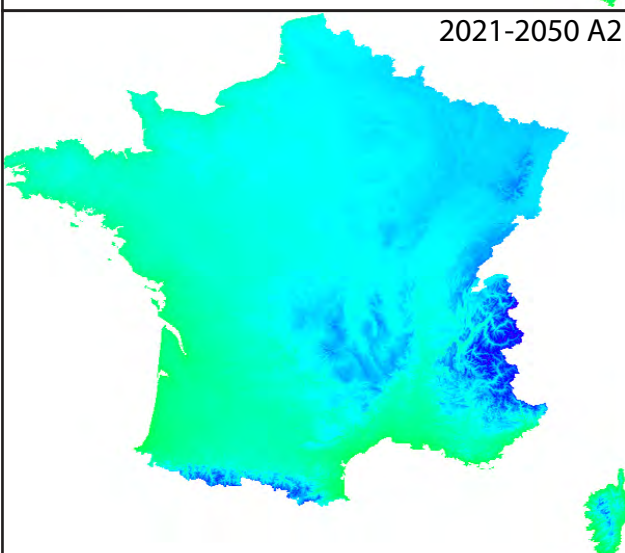
2021-2050 A1B



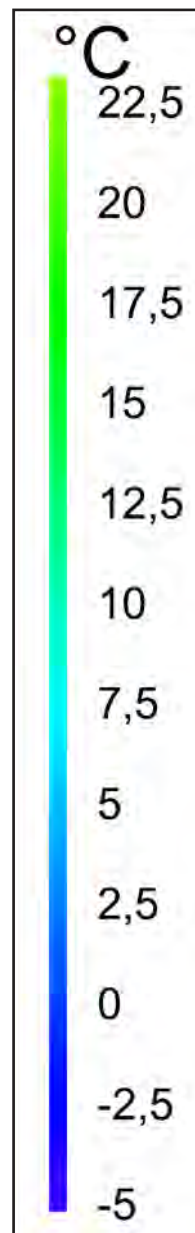
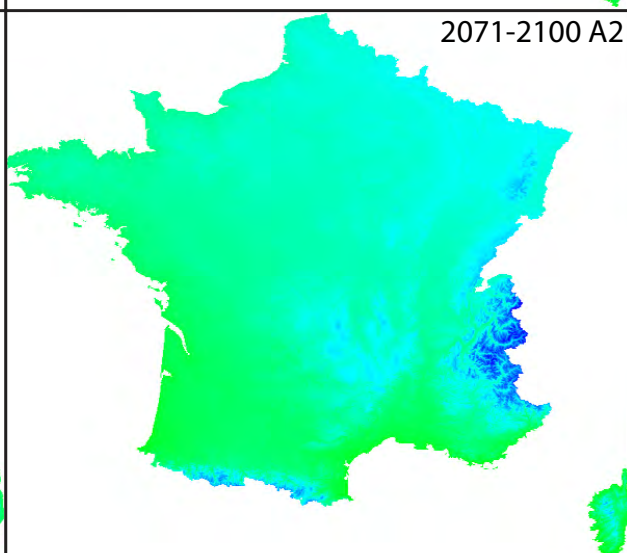
2071-2100 A1B



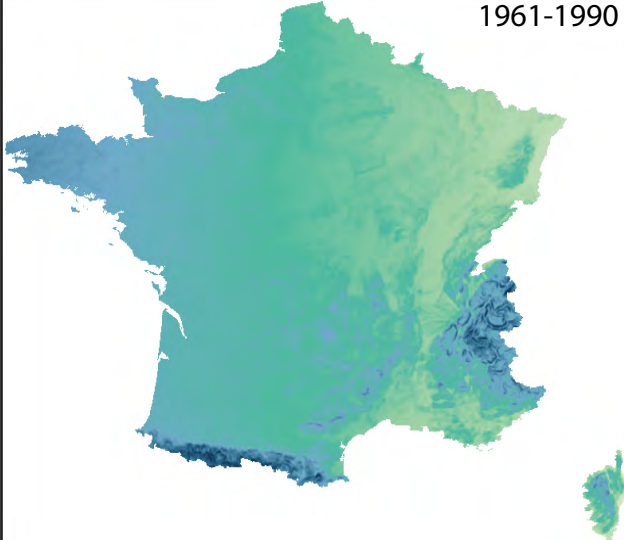
2021-2050 A2



2071-2100 A2



1961-1990



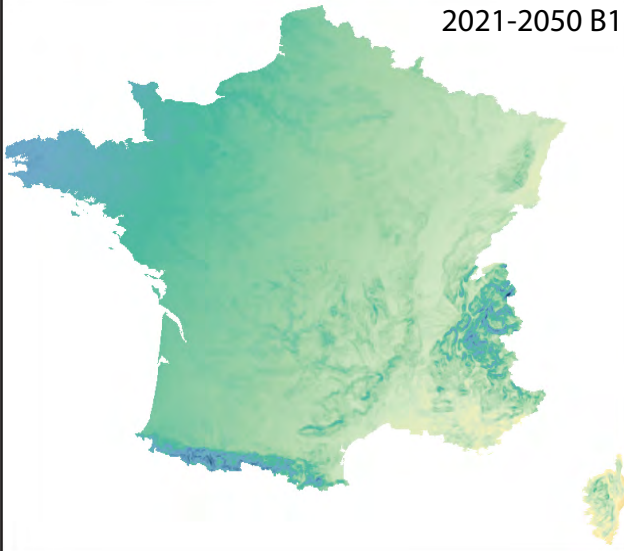
Précipitations mensuelles de janvier à 1 km de résolution

0 250 500 km

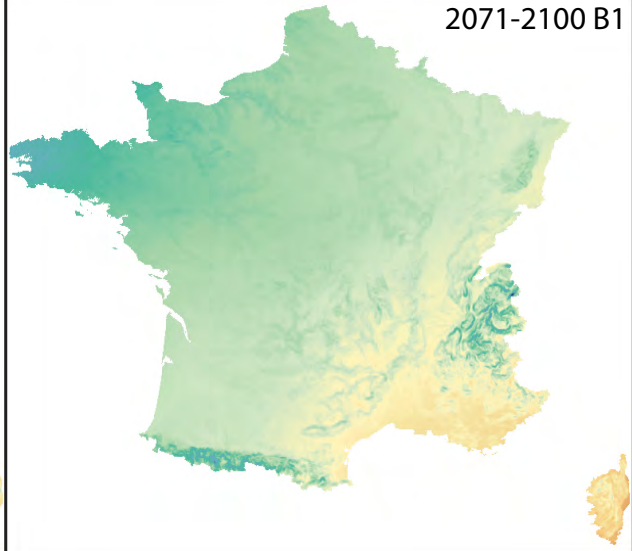
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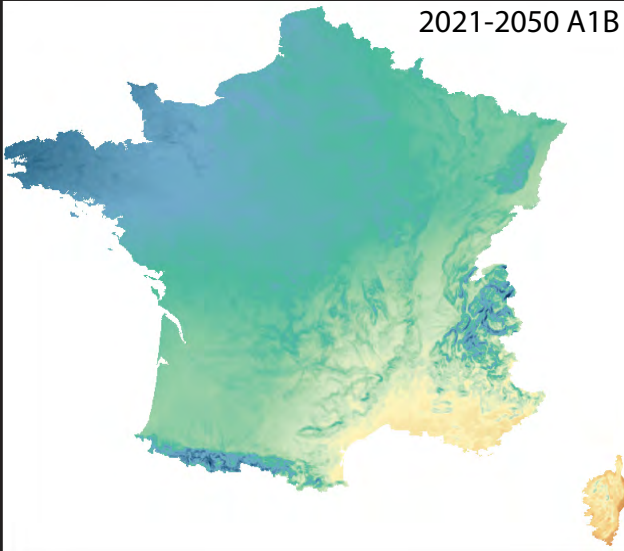
2021-2050 B1



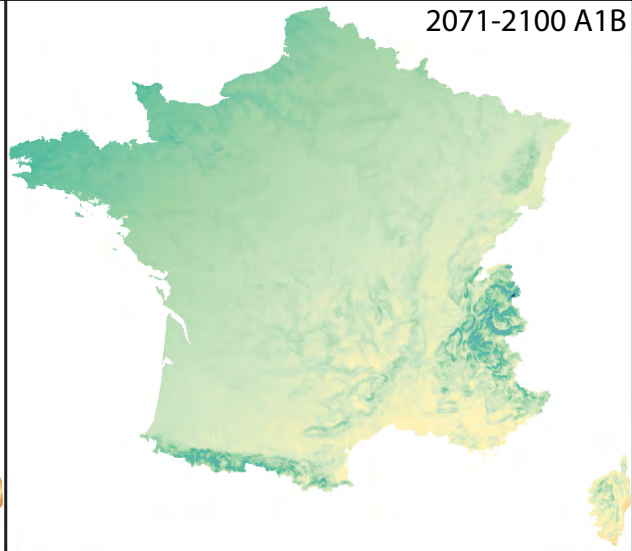
2071-2100 B1



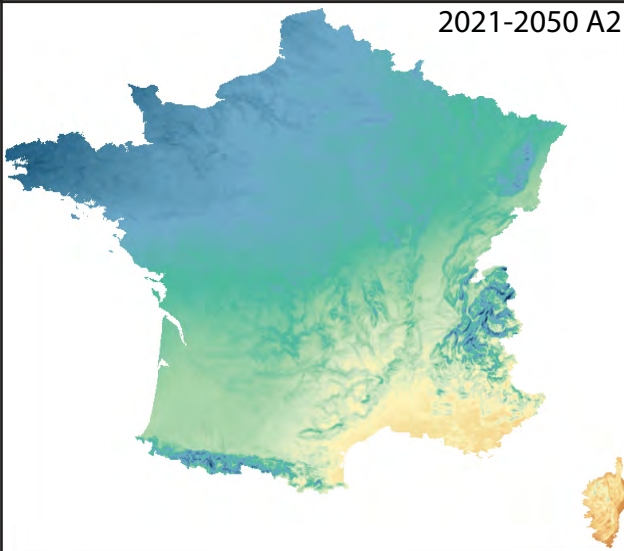
2021-2050 A1B



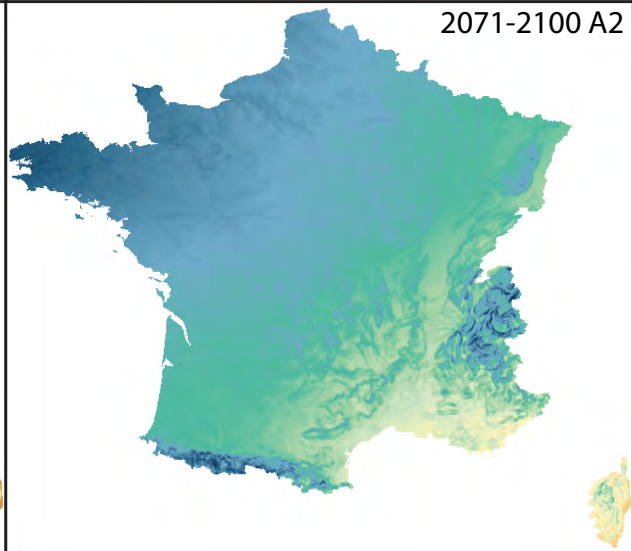
2071-2100 A1B



2021-2050 A2



2071-2100 A2



mm

110

100

90

80

70

60

50

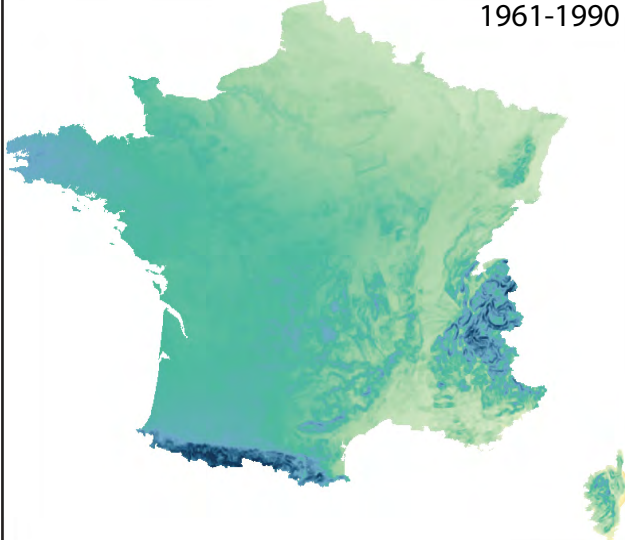
40

30

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10

1961-1990

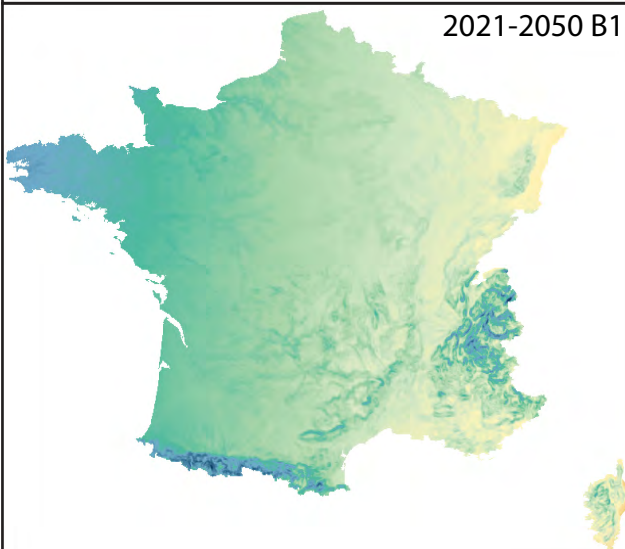


Précipitations mensuelles de février à 1 km de résolution

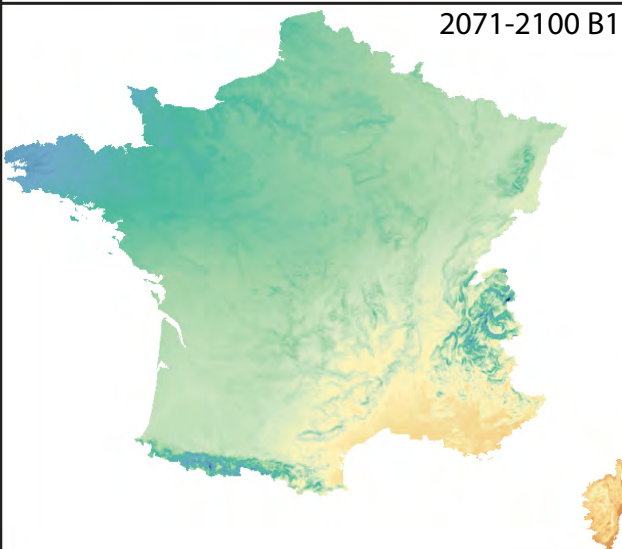
0 250 500 km



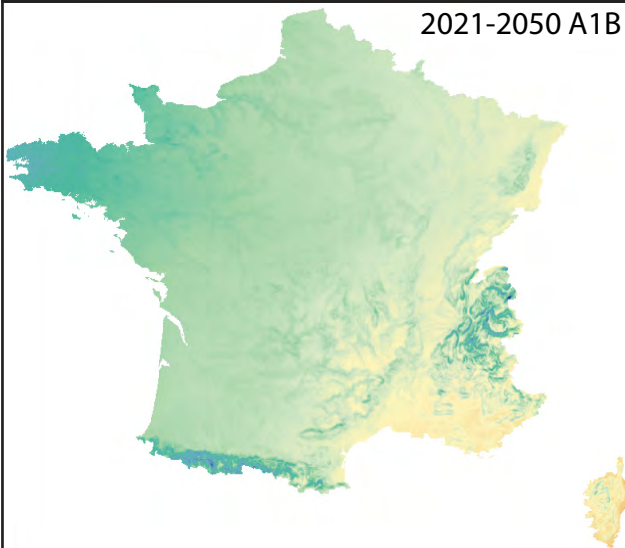
2021-2050 B1



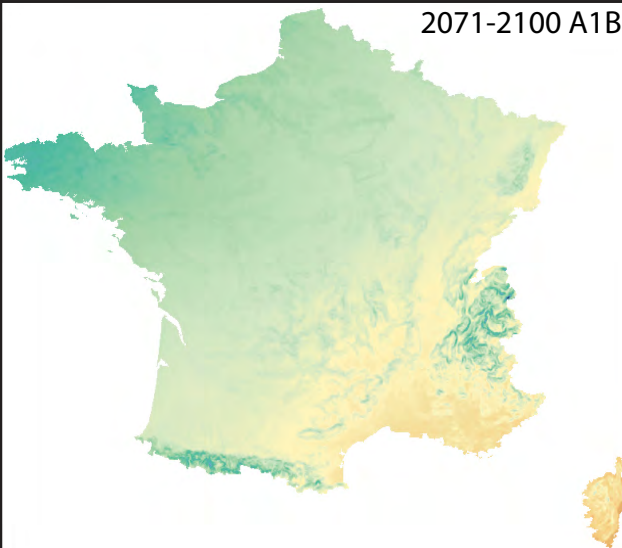
2071-2100 B1



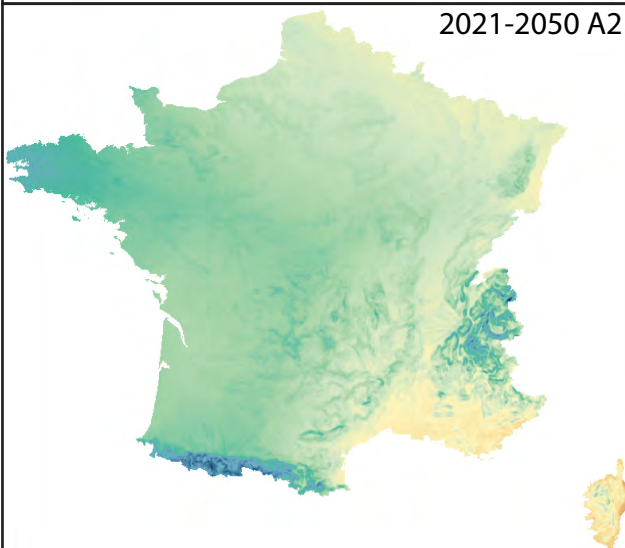
2021-2050 A1B



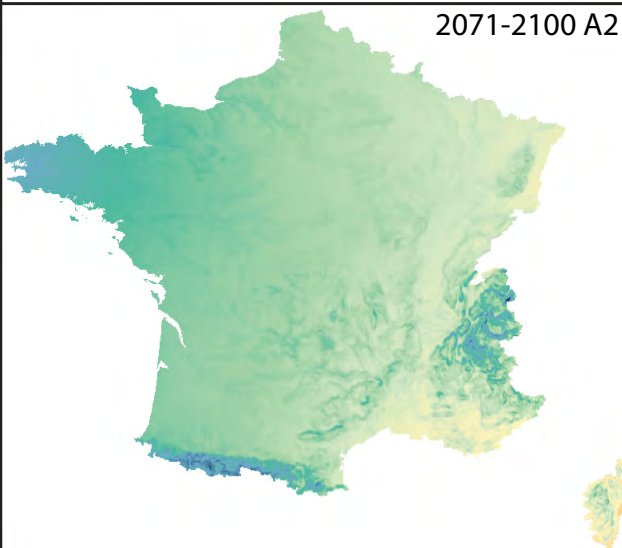
2071-2100 A1B



2021-2050 A2



2071-2100 A2



mm

110

100

90

80

70

60

50

40

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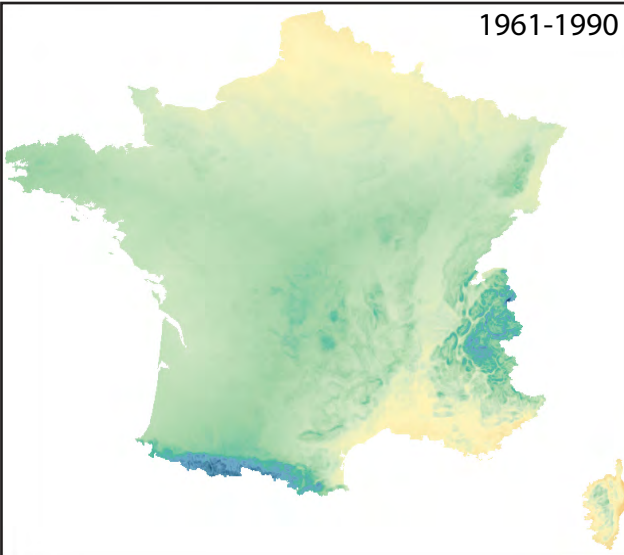
10

Précipitations mensuelles de mars à 1 km de résolution

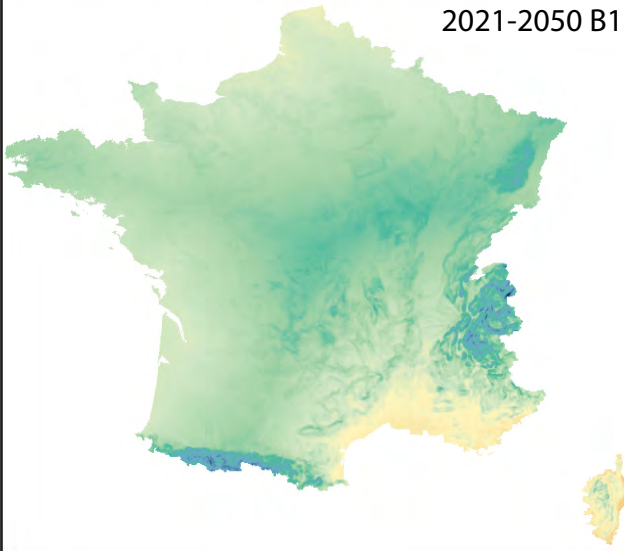


0 250 500 km

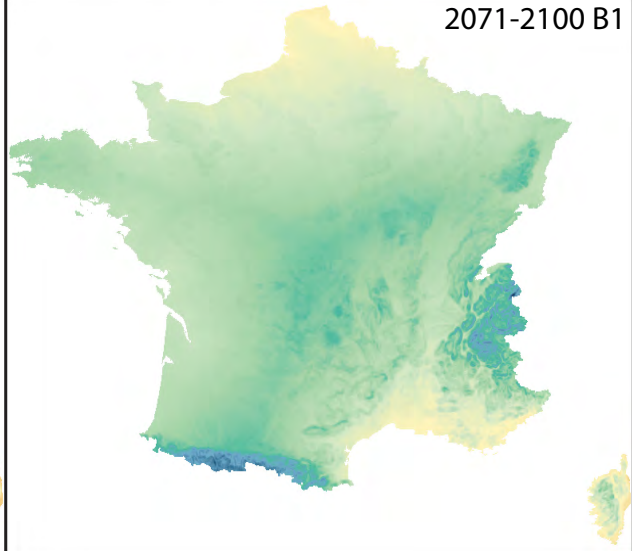
1961-1990



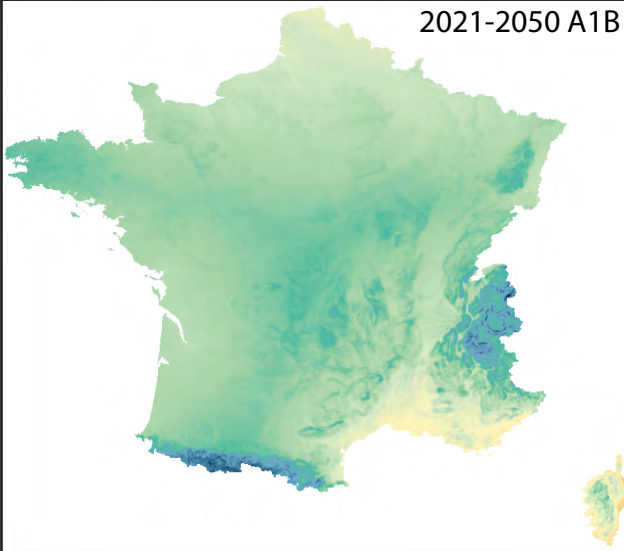
2021-2050 B1



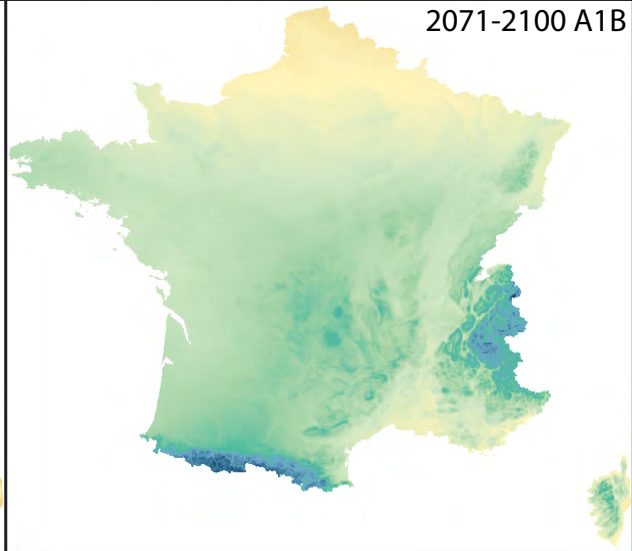
2071-2100 B1



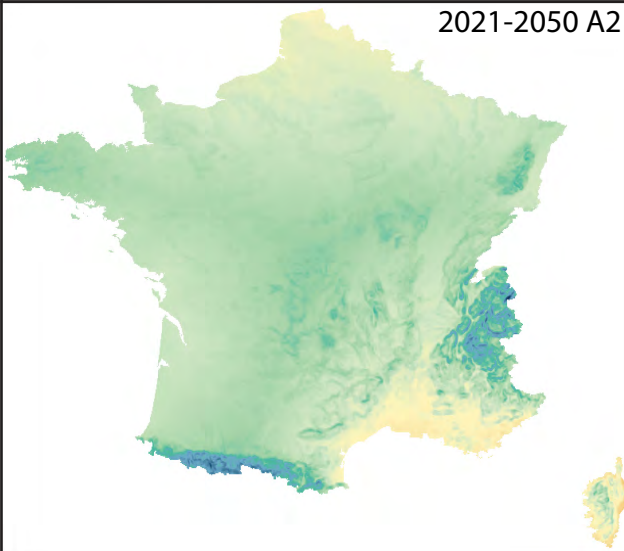
2021-2050 A1B



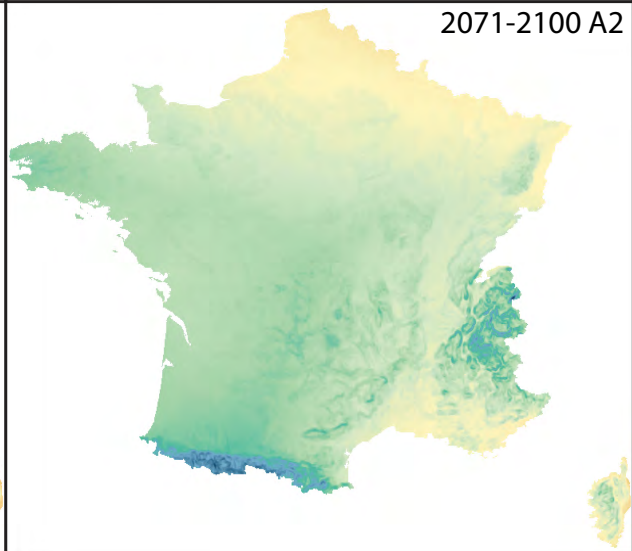
2071-2100 A1B



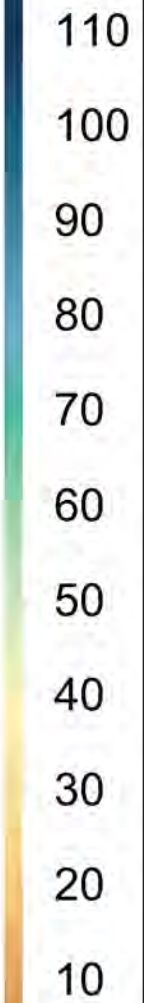
2021-2050 A2



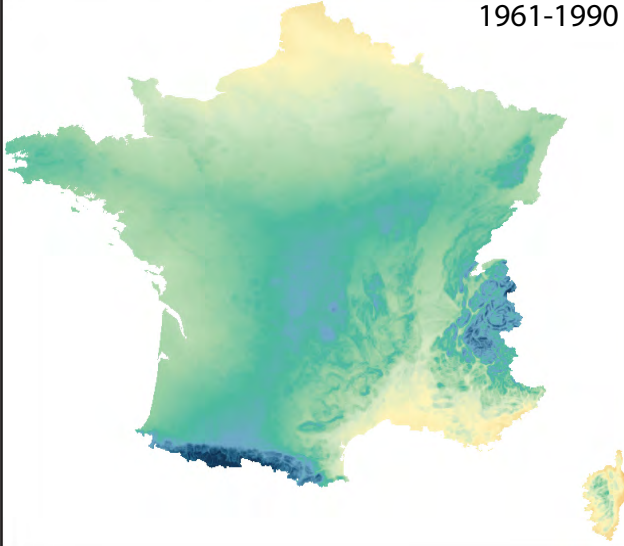
2071-2100 A2



mm



1961-1990



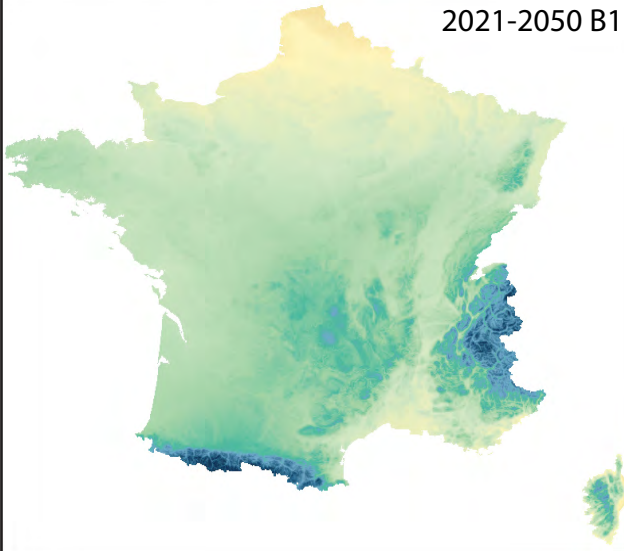
Précipitations mensuelles d'avril à 1 km de résolution

0 250 500 km

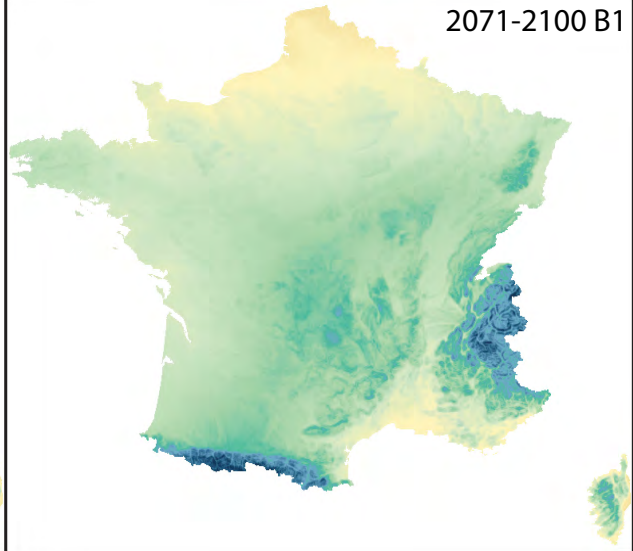
N



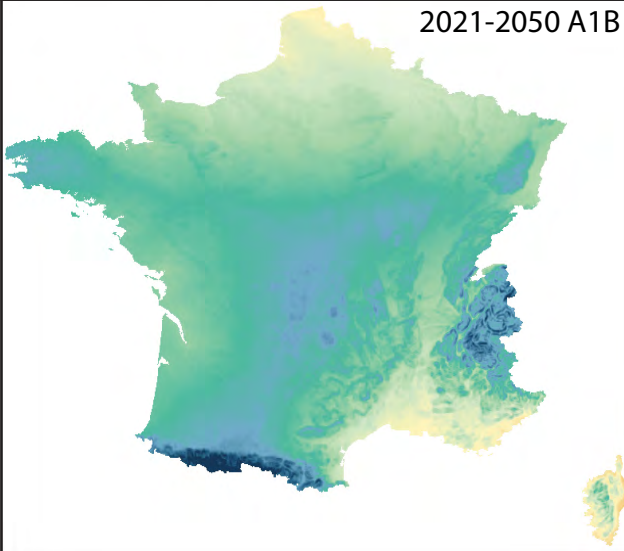
2021-2050 B1



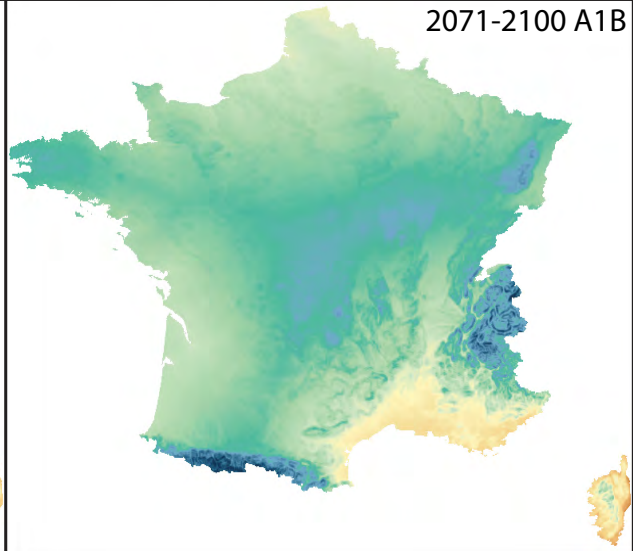
2071-2100 B1



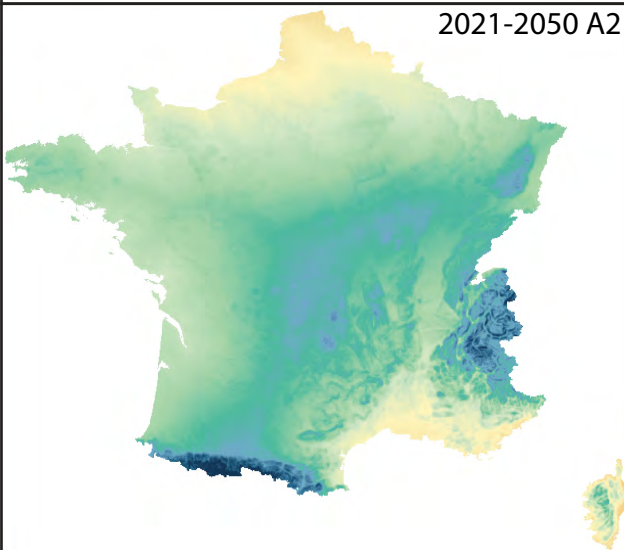
2021-2050 A1B



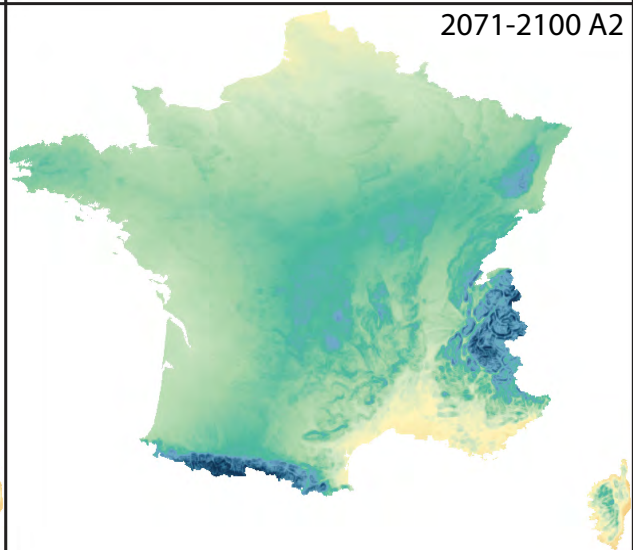
2071-2100 A1B



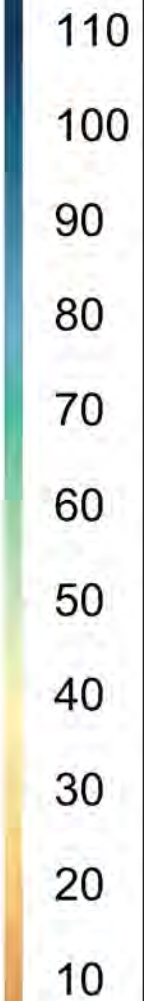
2021-2050 A2



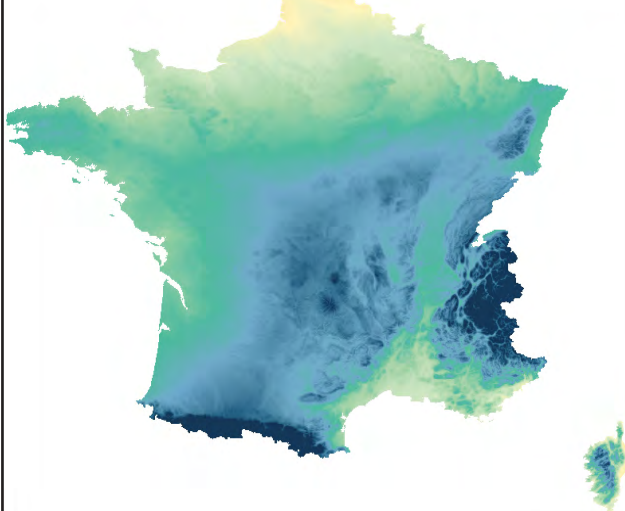
2071-2100 A2



mm



1961-1990

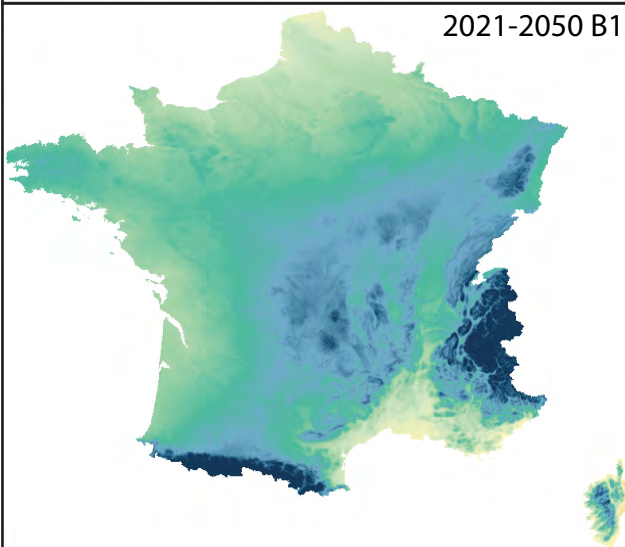


Précipitations mensuelles de mai à 1 km de résolution

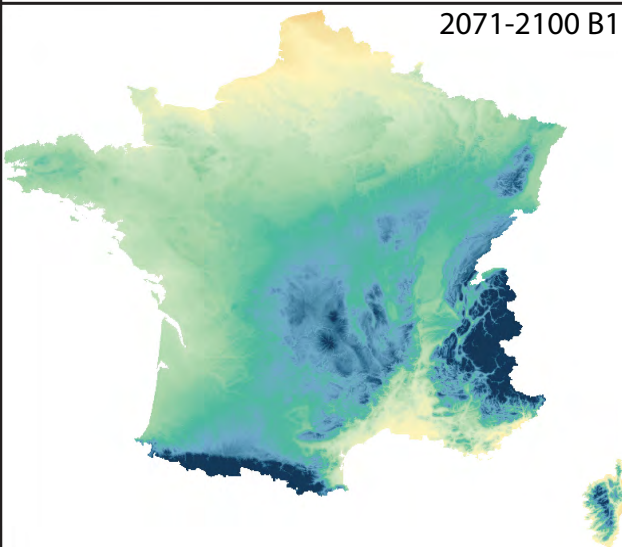
0 250 500 km



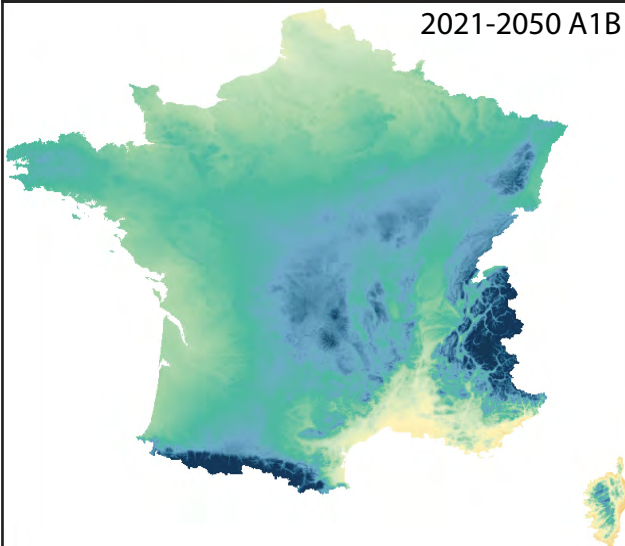
2021-2050 B1



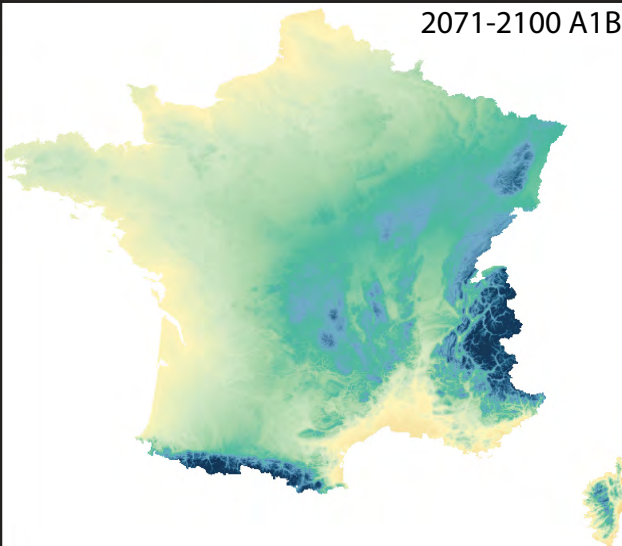
2071-2100 B1



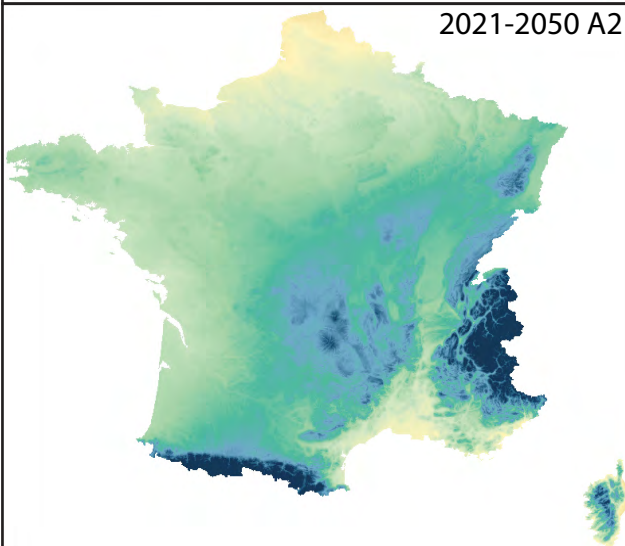
2021-2050 A1B



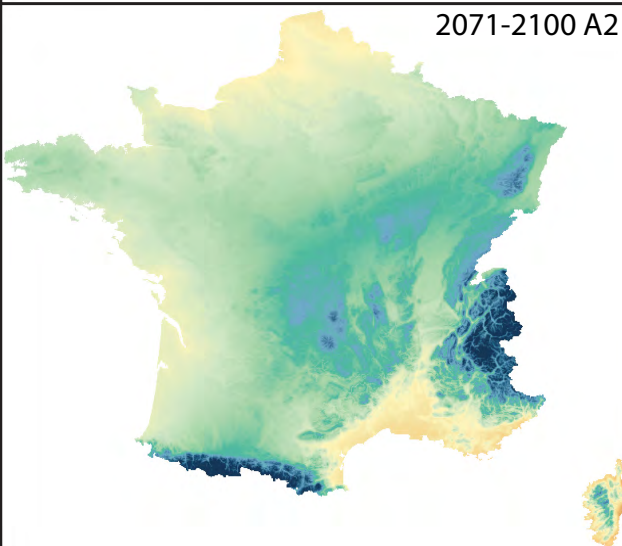
2071-2100 A1B



2021-2050 A2



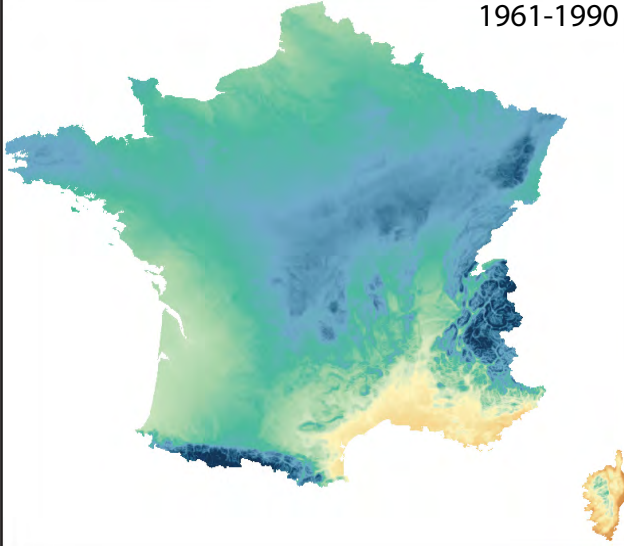
2071-2100 A2



mm



1961-1990



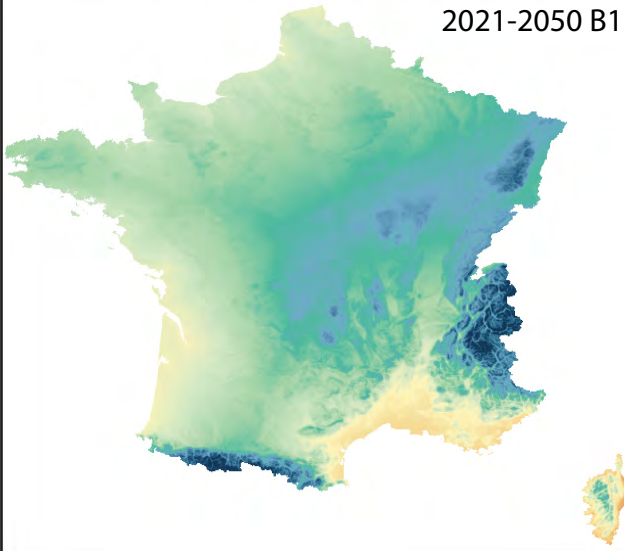
Précipitations mensuelles de juin à 1 km de résolution

0 250 500 km

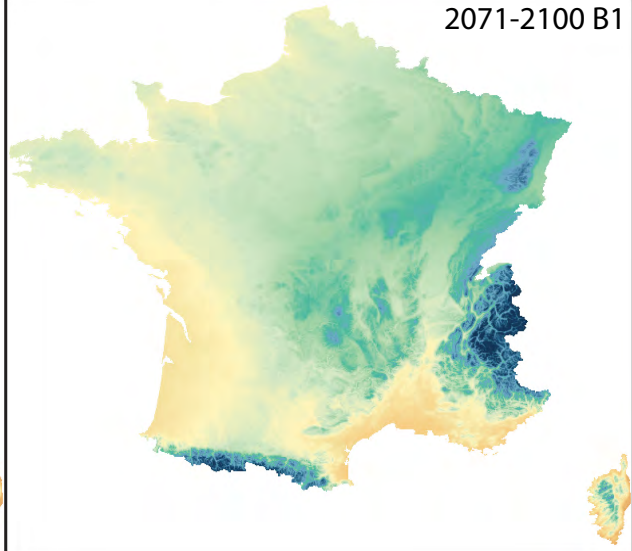
N



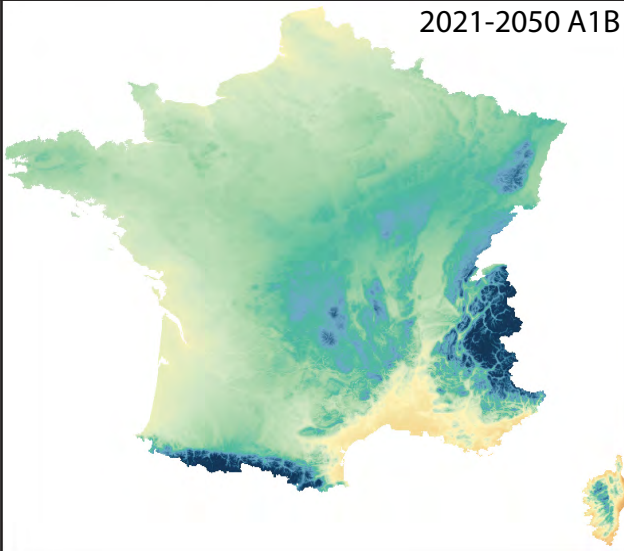
2021-2050 B1



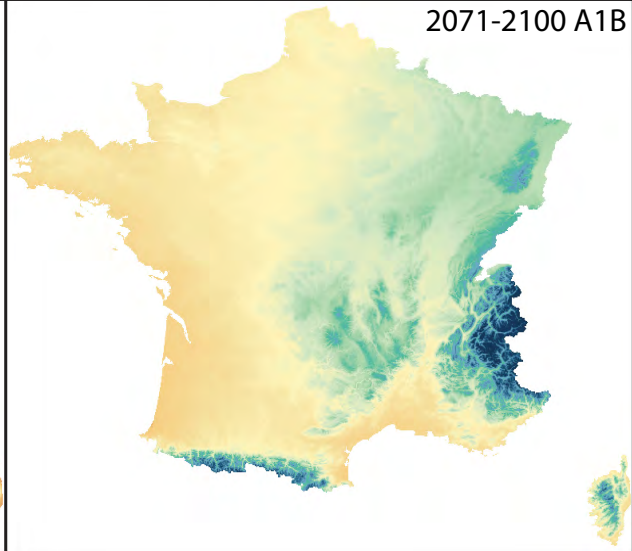
2071-2100 B1



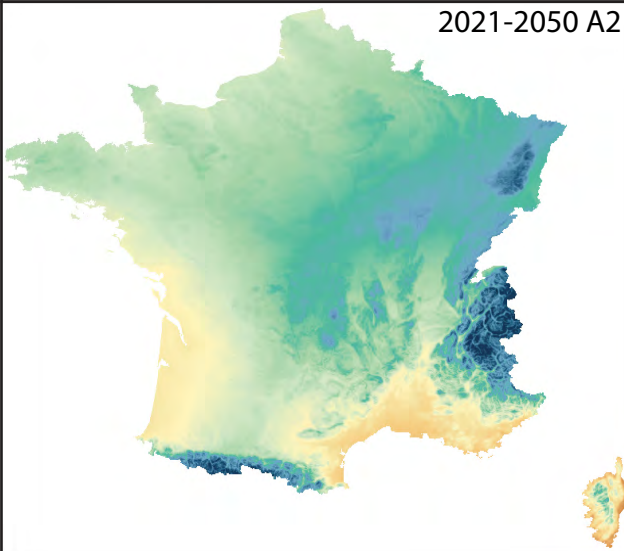
2021-2050 A1B



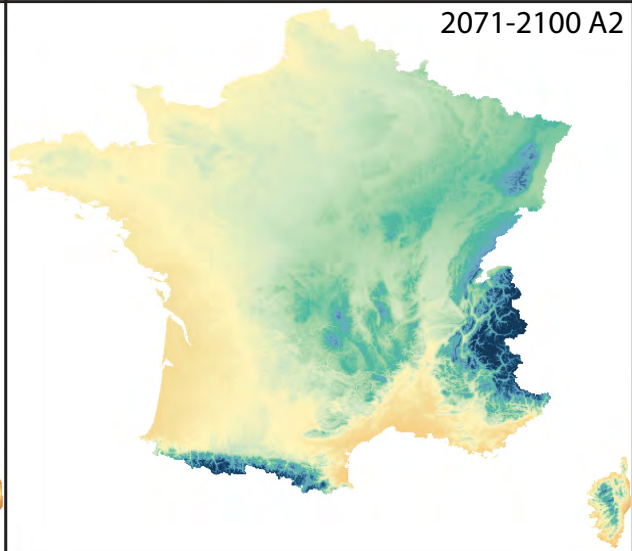
2071-2100 A1B



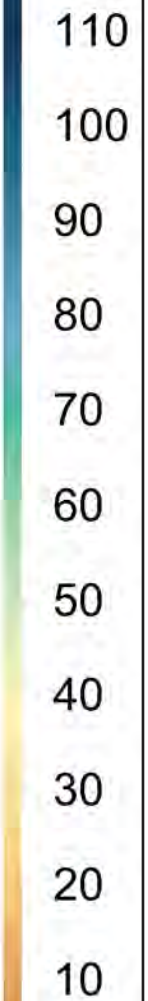
2021-2050 A2



2071-2100 A2



mm

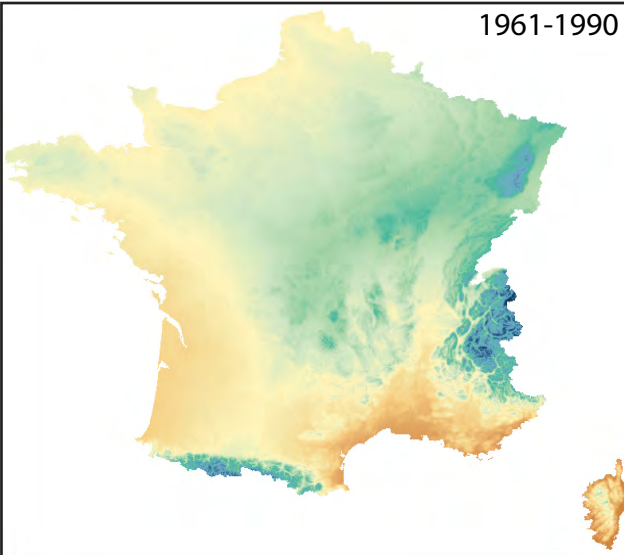


Précipitations mensuelles de juillet à 1 km de résolution

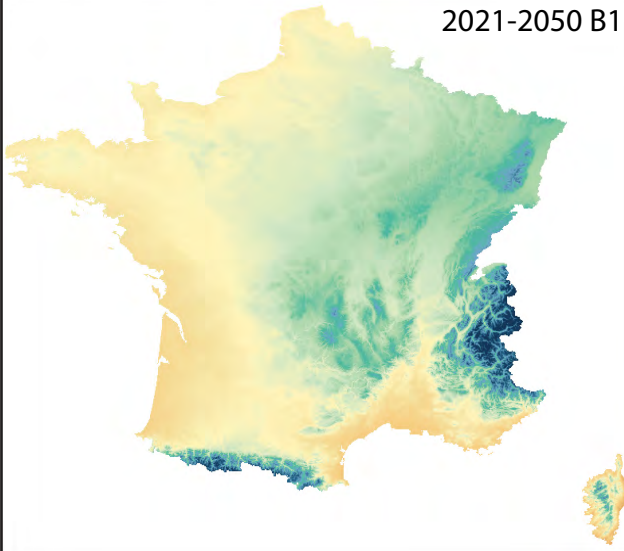


0 250 500 km

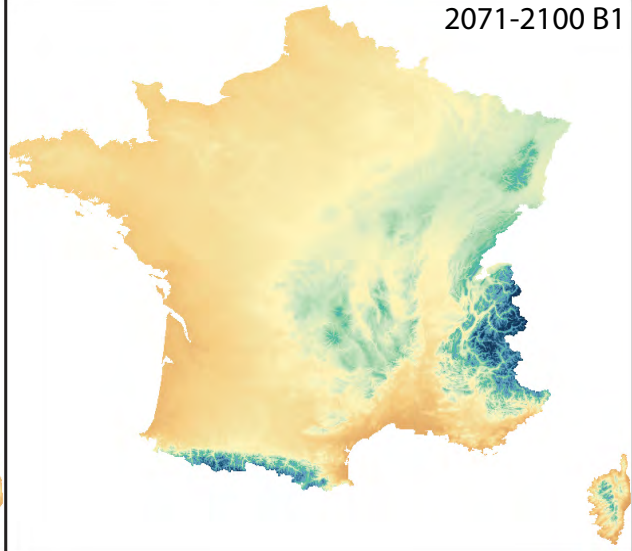
1961-1990



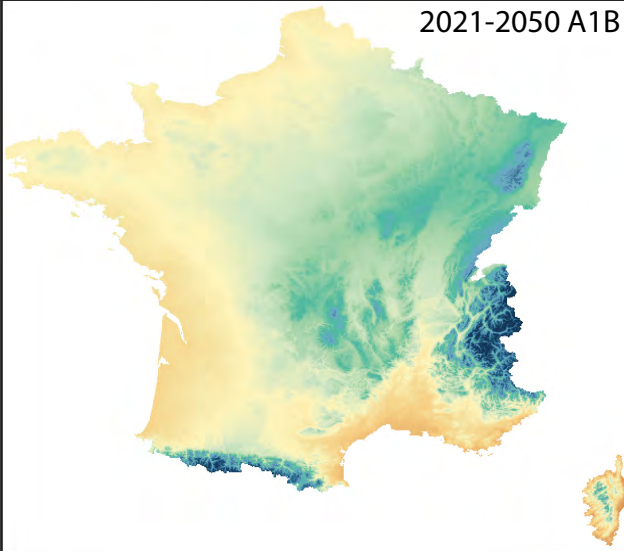
2021-2050 B1



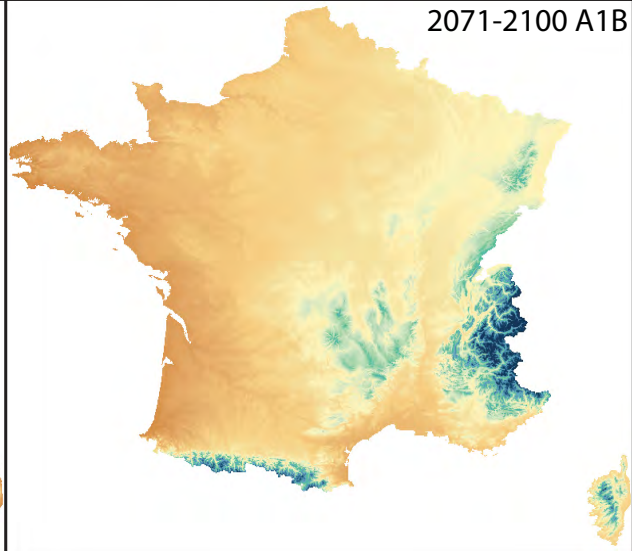
2071-2100 B1



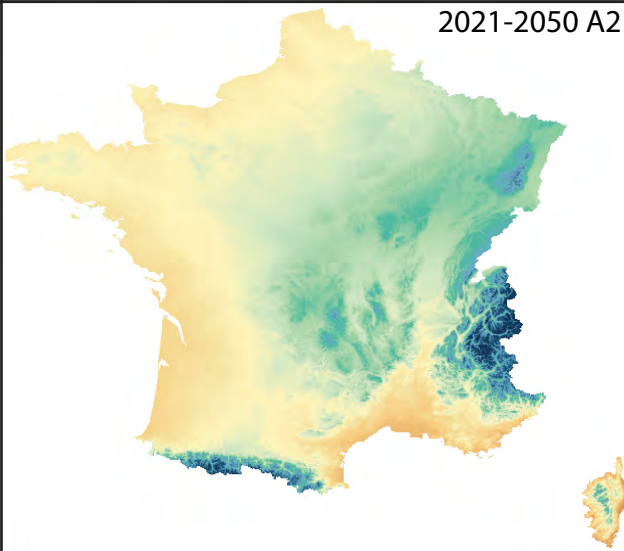
2021-2050 A1B



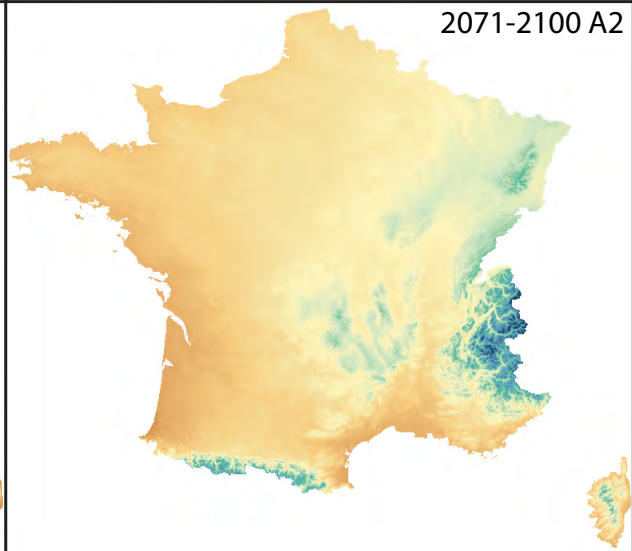
2071-2100 A1B



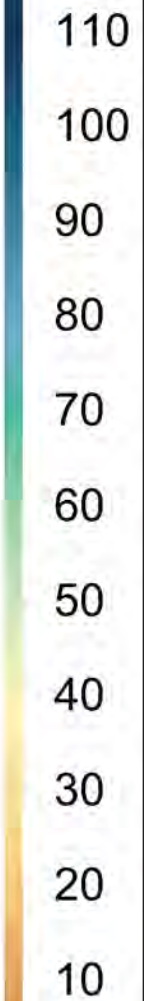
2021-2050 A2



2071-2100 A2



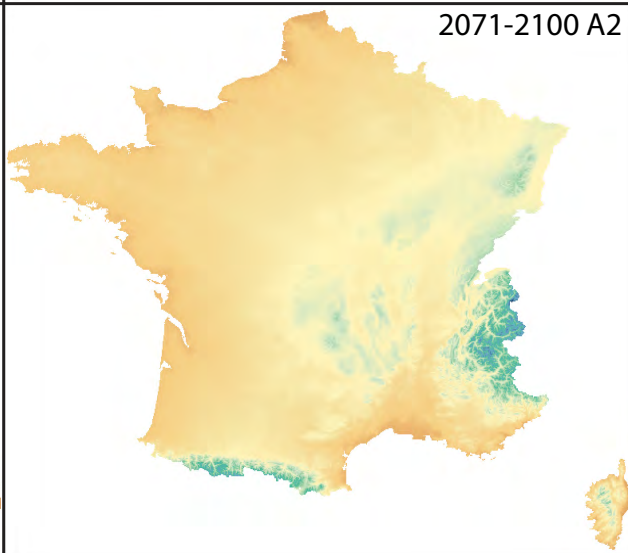
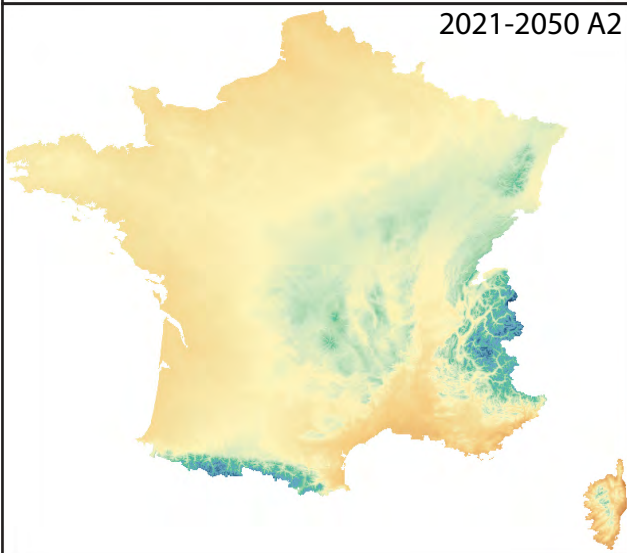
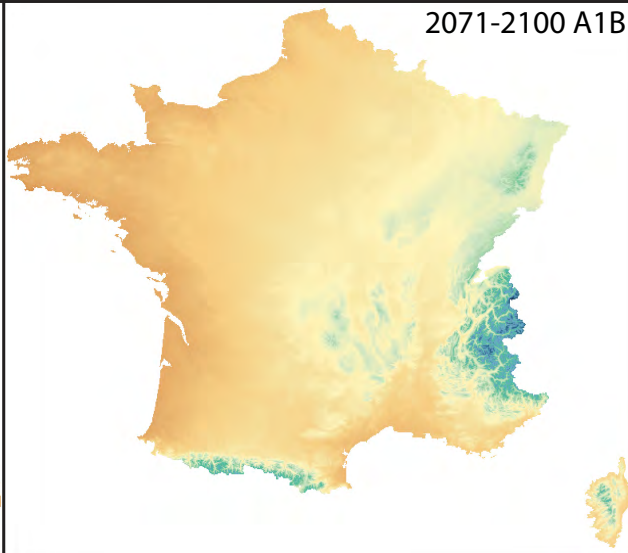
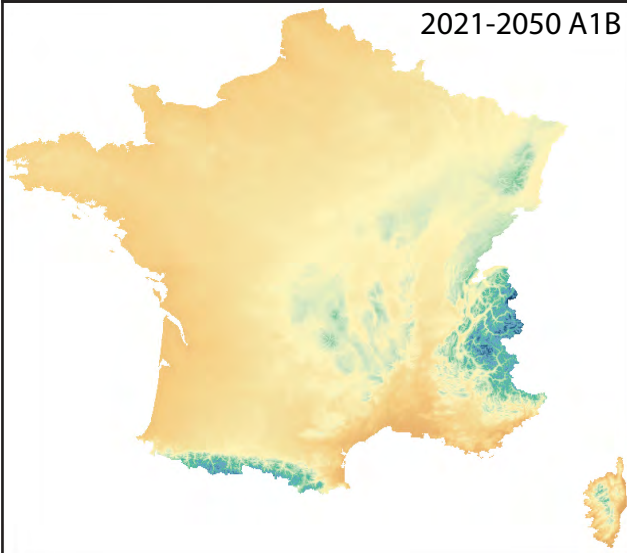
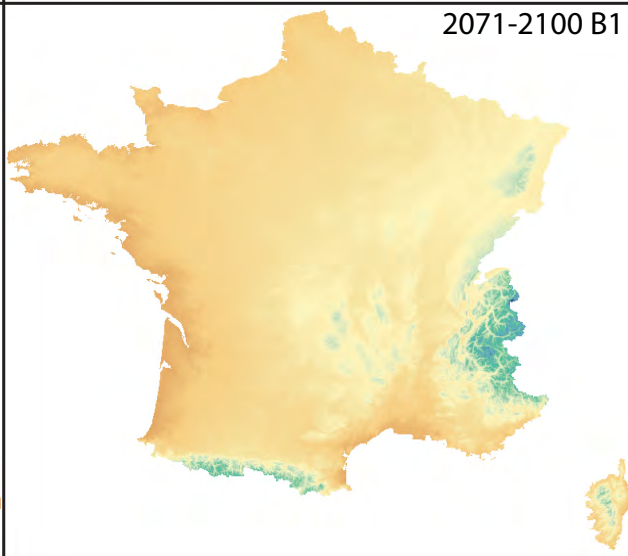
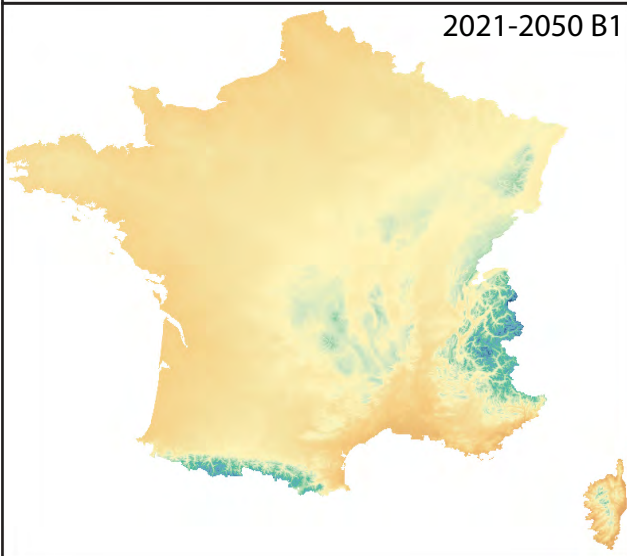
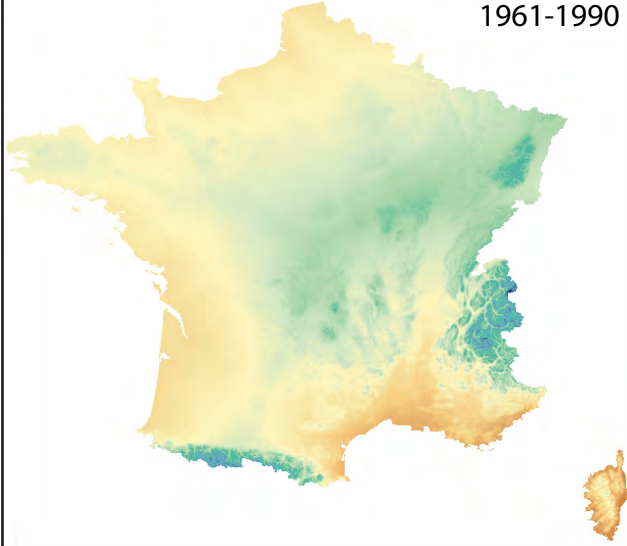
mm



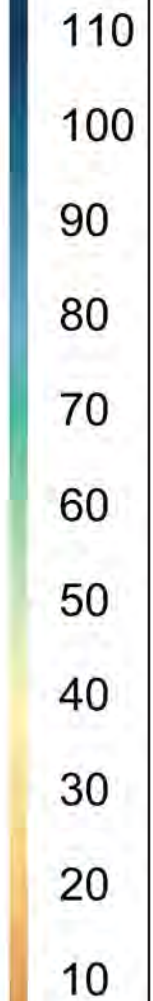
Précipitations mensuelles d'août à 1 km de résolution



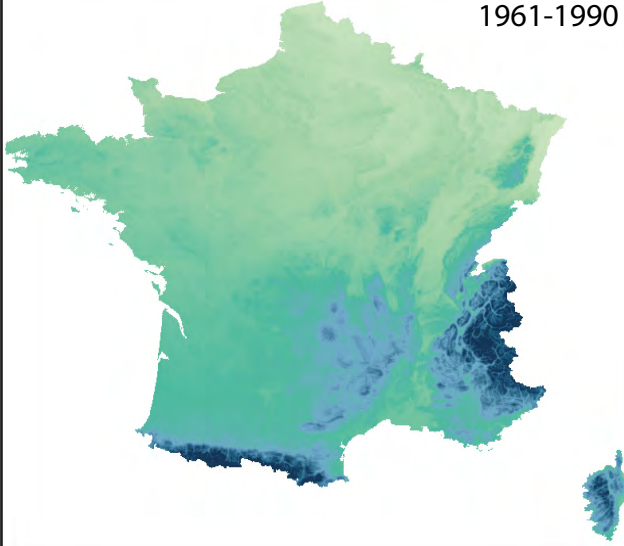
0 250 500 km



mm



1961-1990



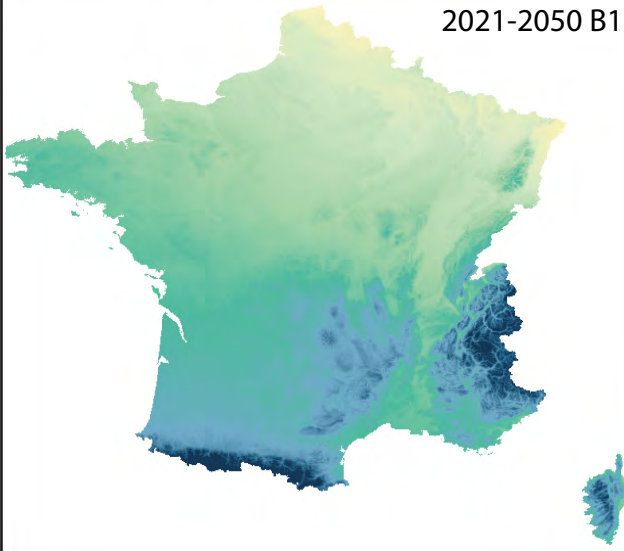
Précipitations mensuelles de septembre à 1 km de résolution

0 250 500 km

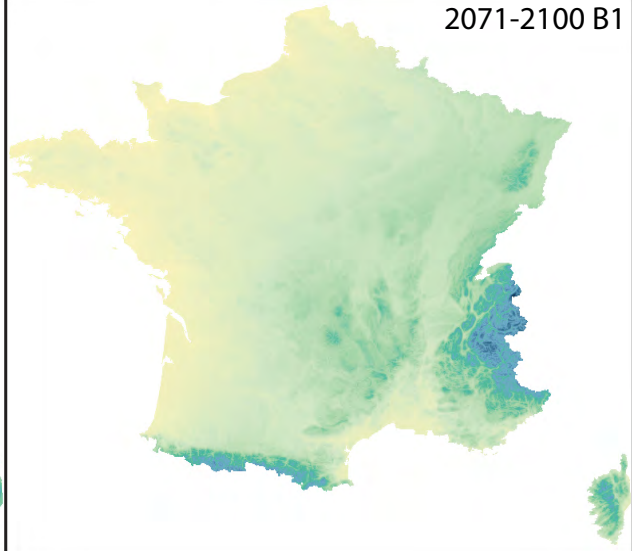
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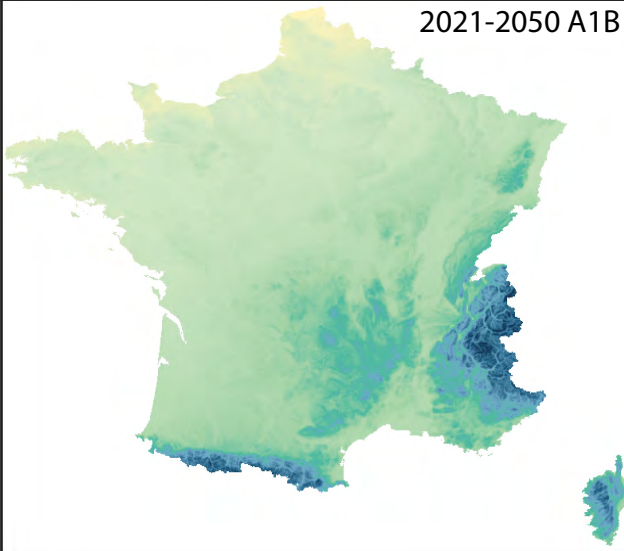
2021-2050 B1



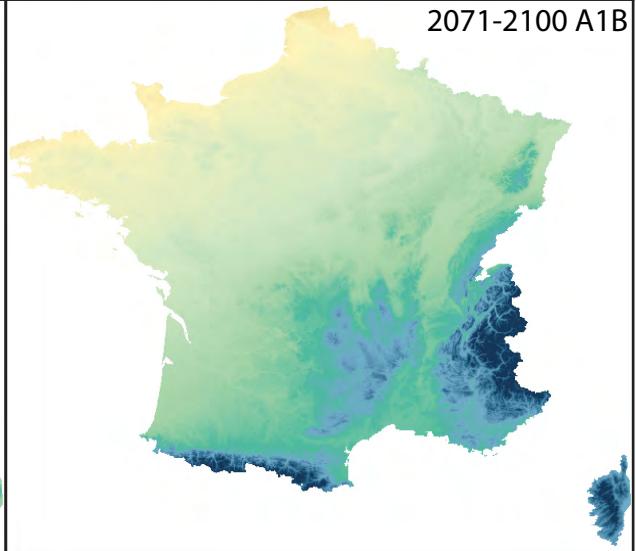
2071-2100 B1



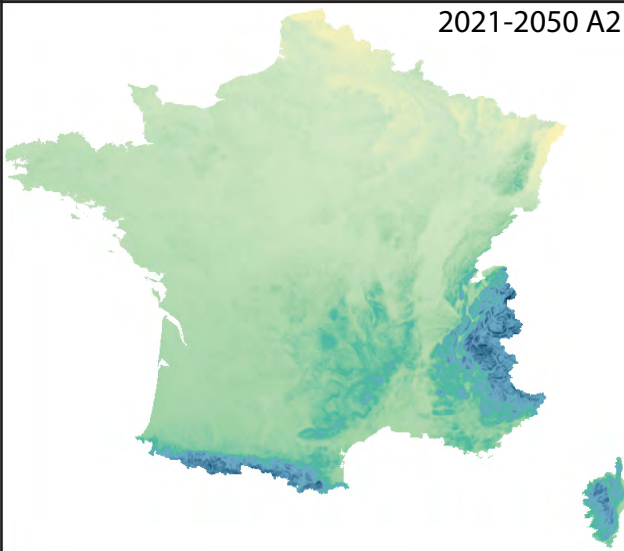
2021-2050 A1B



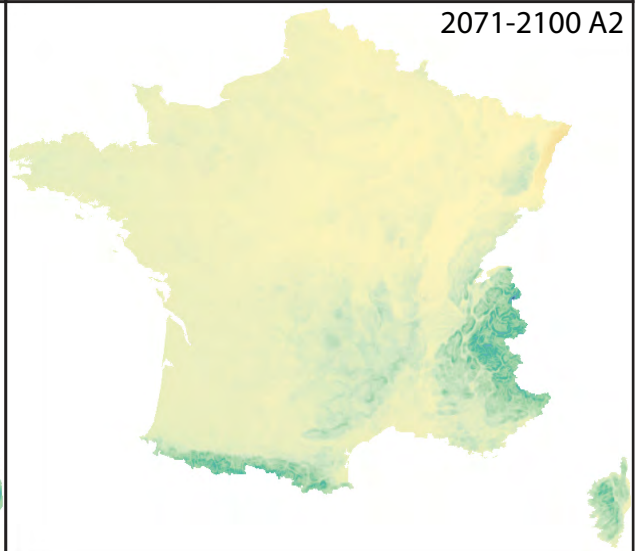
2071-2100 A1B



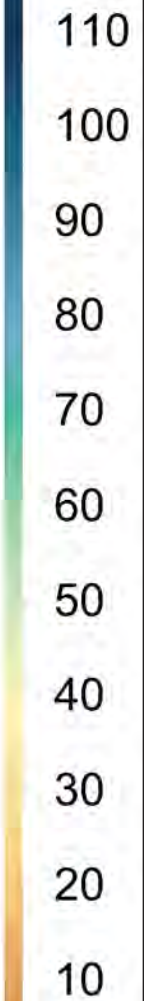
2021-2050 A2

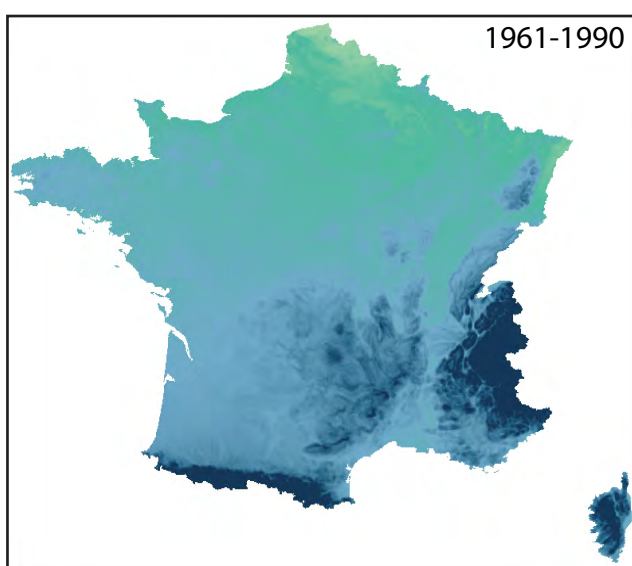


2071-2100 A2



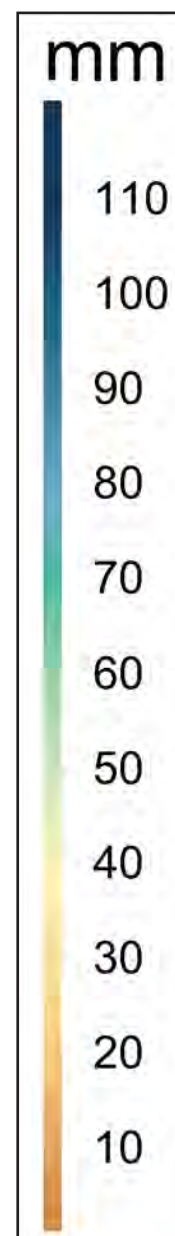
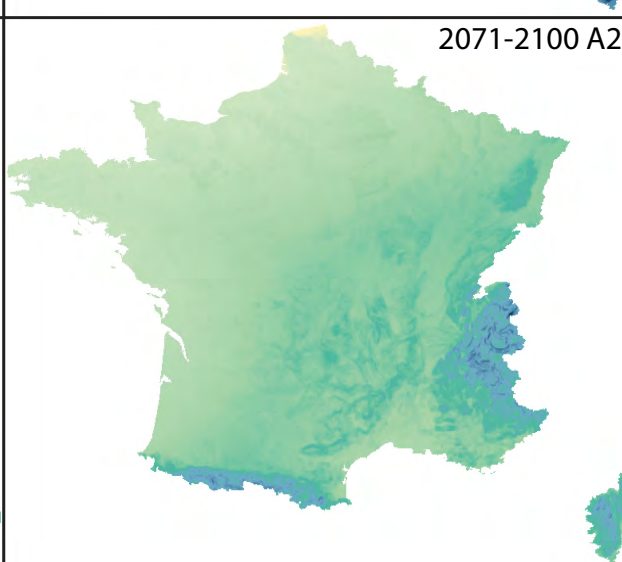
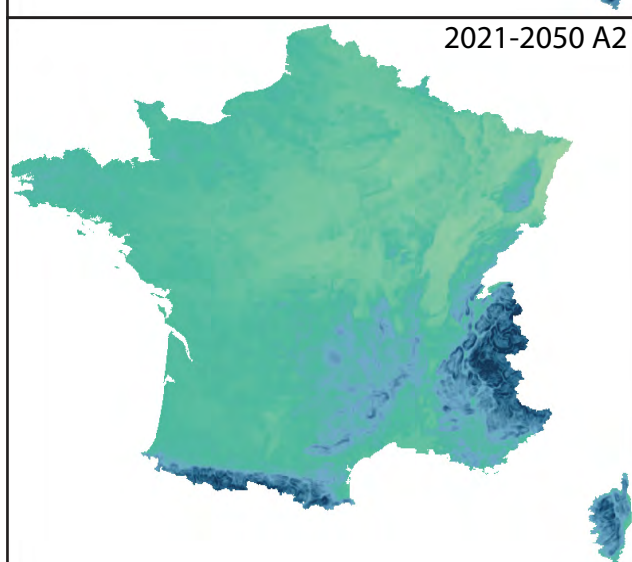
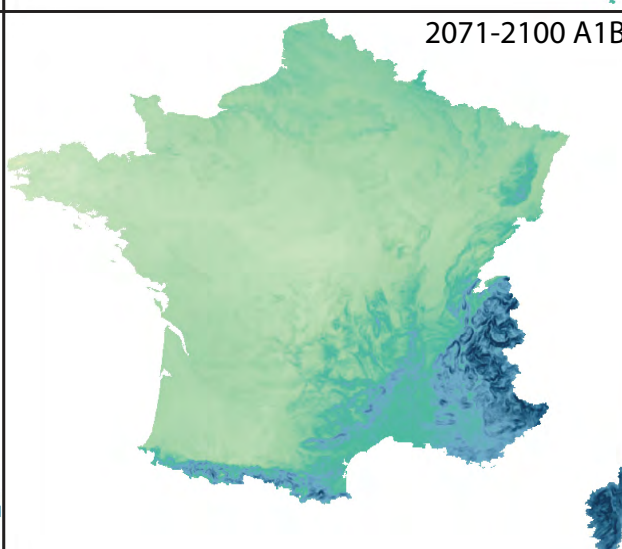
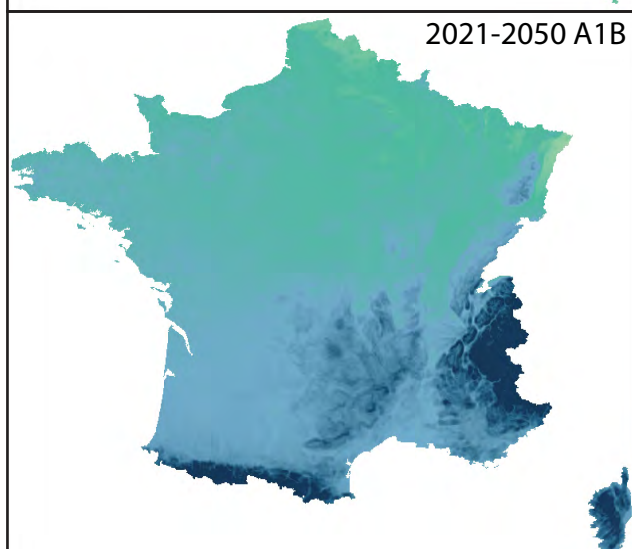
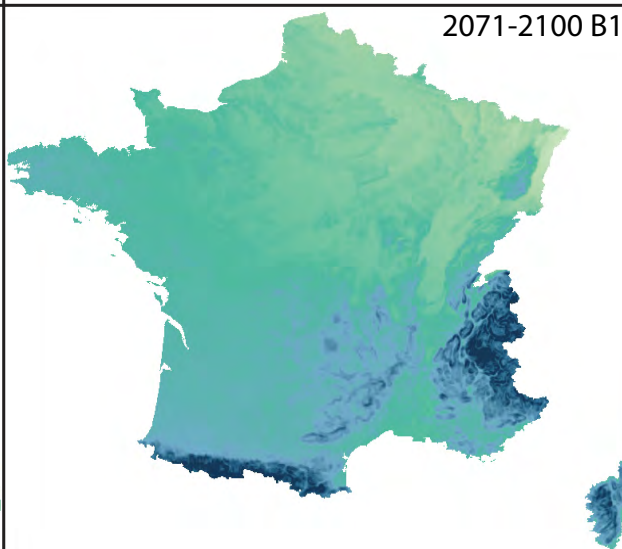
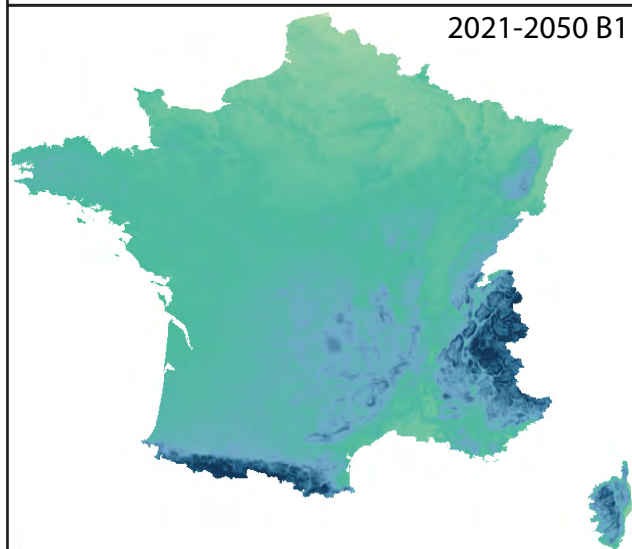
mm



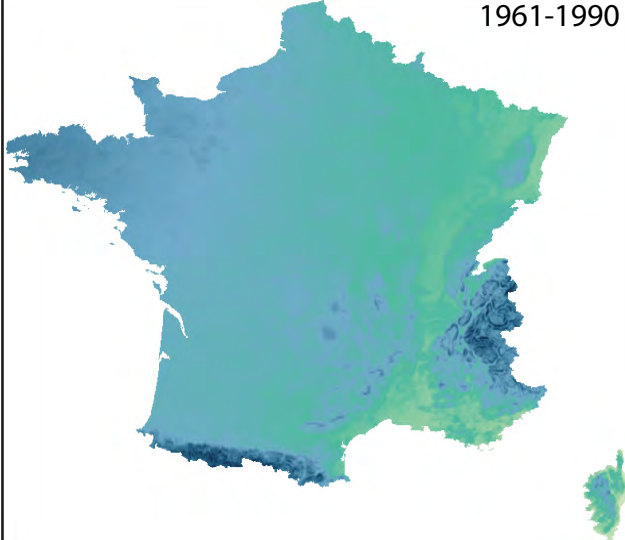


Précipitations mensuelles d'octobre à 1 km de résolution

0 250 500 km



1961-1990

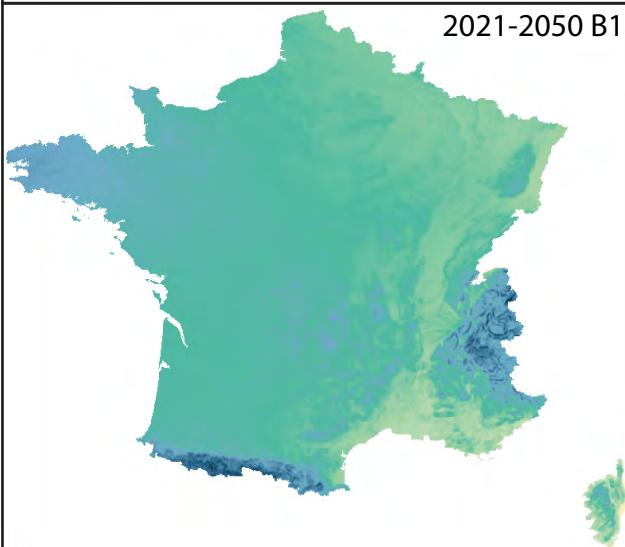


Précipitations mensuelles de novembre à 1 km de résolution

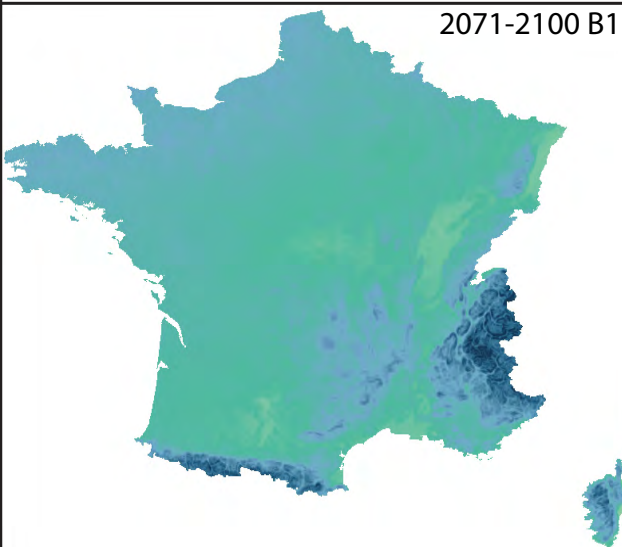
0 250 500 km



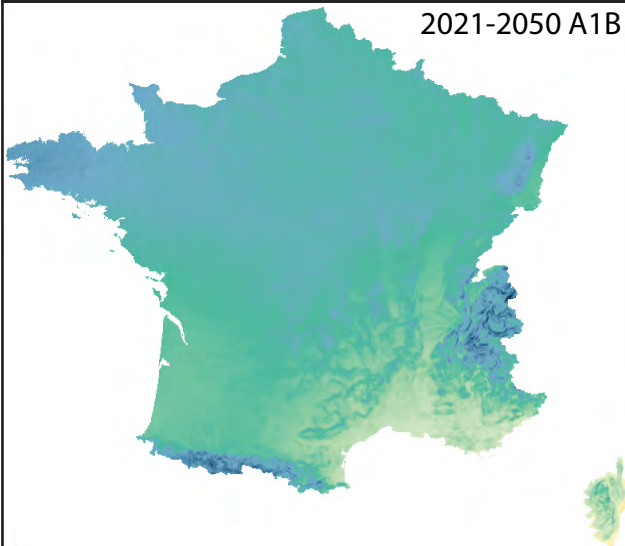
2021-2050 B1



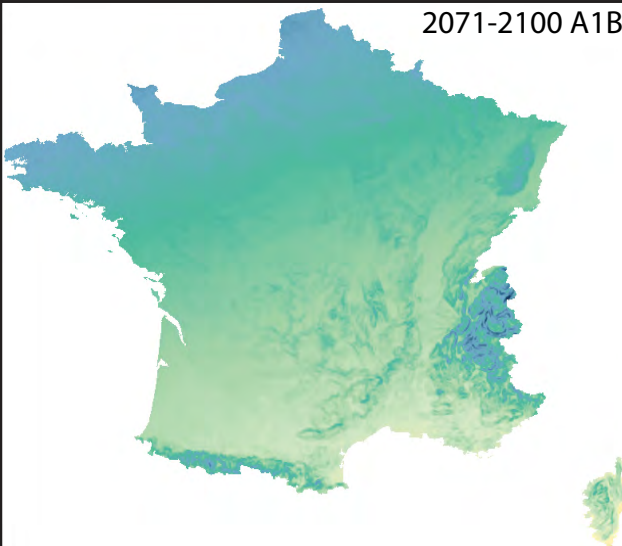
2071-2100 B1



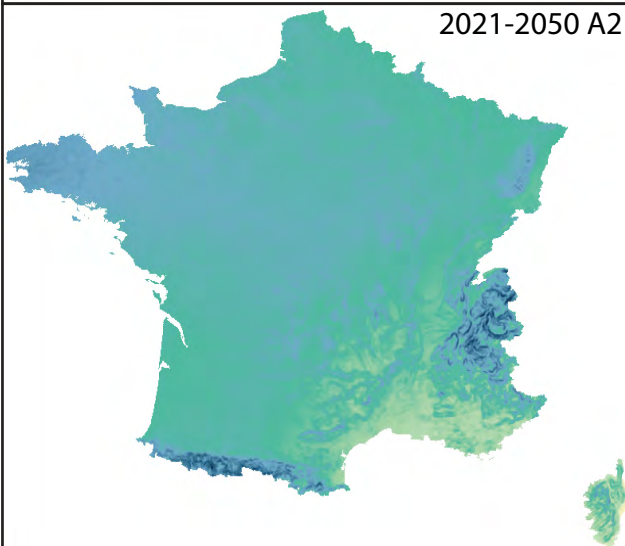
2021-2050 A1B



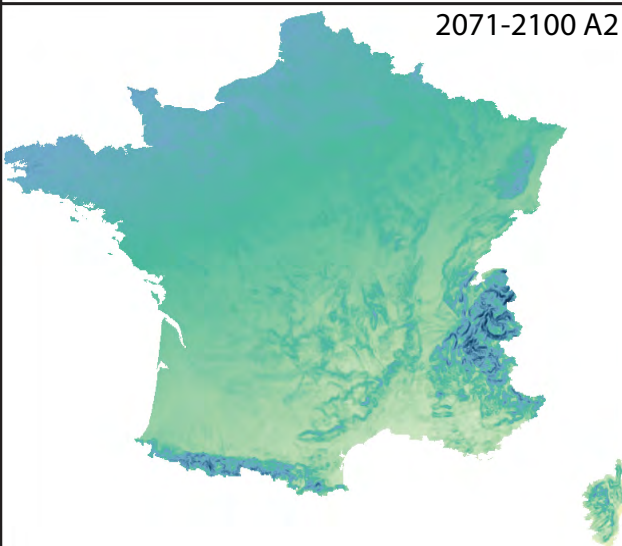
2071-2100 A1B



2021-2050 A2



2071-2100 A2



mm



1961-1990

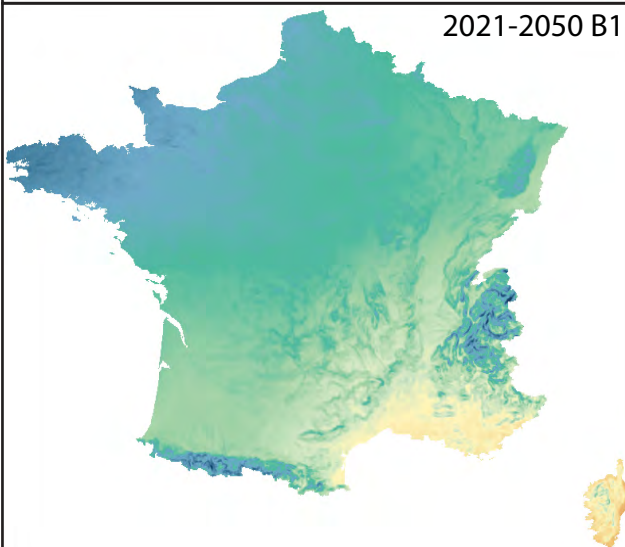


Précipitations mensuelles de décembre à 1 km de résolution

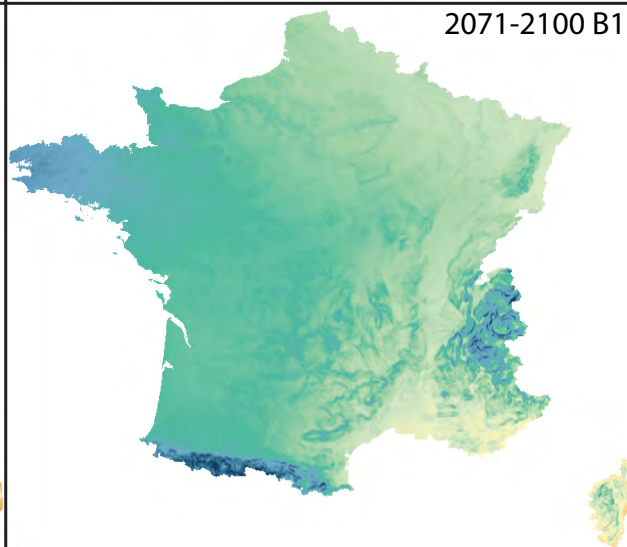
0 250 500 km



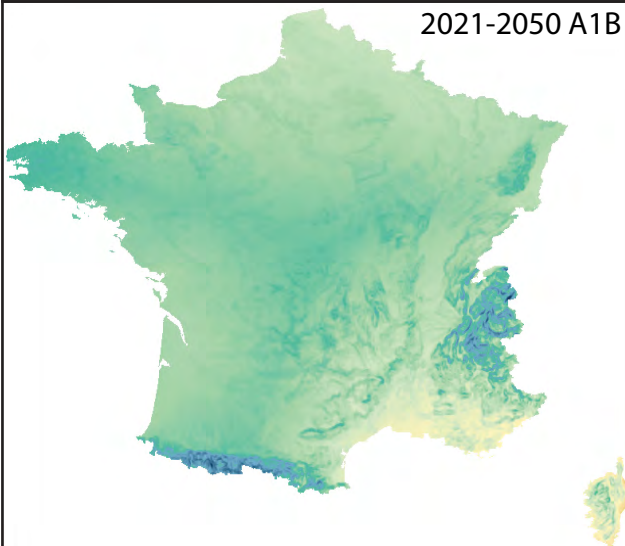
2021-2050 B1



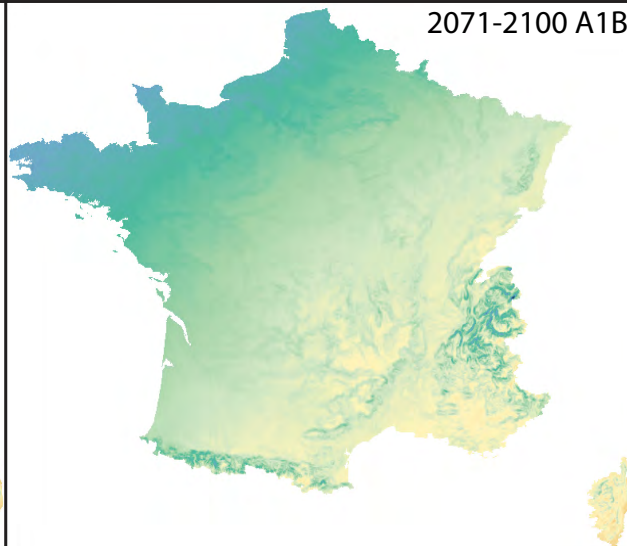
2071-2100 B1



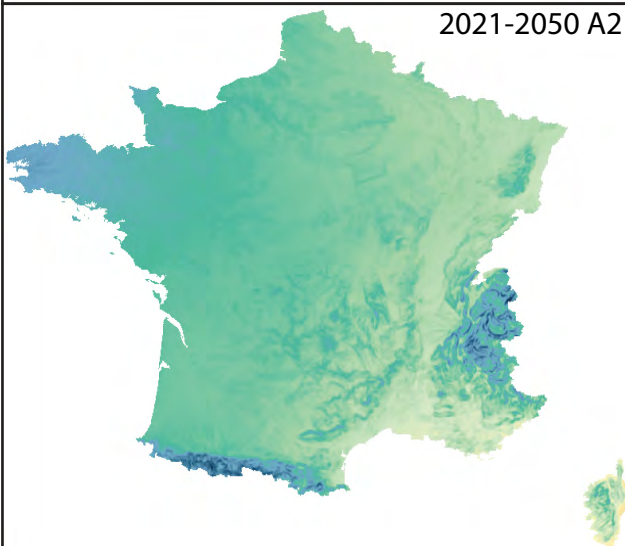
2021-2050 A1B



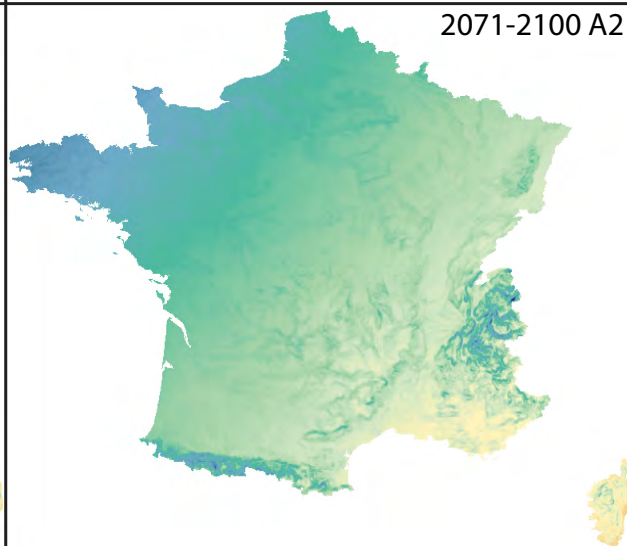
2071-2100 A1B



2021-2050 A2



2071-2100 A2



mm



Températures minimales mensuelles de janvier à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

°C

7,5

5

2,5

0

-2,5

-5

-7,5

-10

-12,5

-15

Températures minimales mensuelles de février à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

°C

7,5

5

2,5

0

-2,5

-5

-7,5

-10

-12,5

-15

Températures minimales mensuelles de mars à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

°C

7,5

5

2,5

0

-2,5

-5

-7,5

-10

-12,5

-15

Températures minimales mensuelles d'avril à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

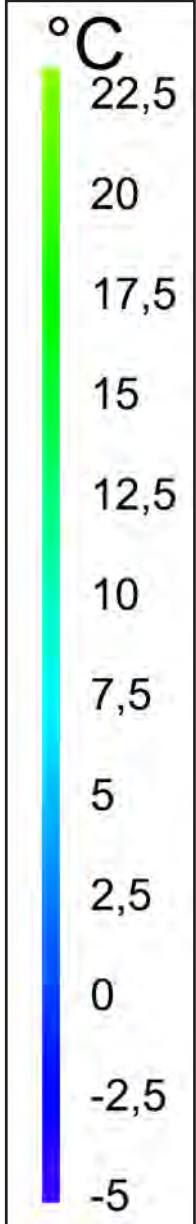
2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2



Températures minimales mensuelles de mai à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

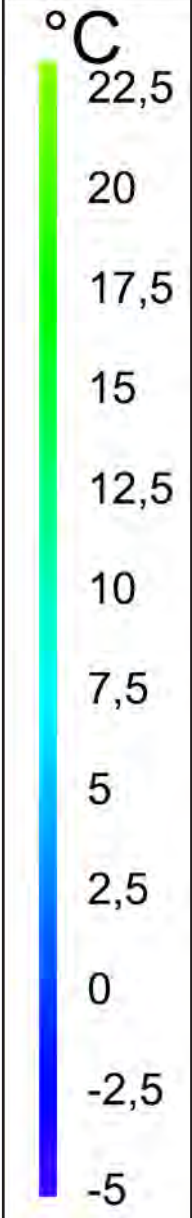
2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2



Températures minimales mensuelles de juin à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

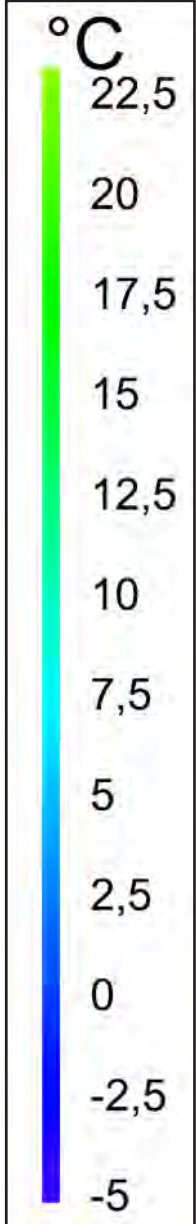
2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2



Températures minimales mensuelles de juillet à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

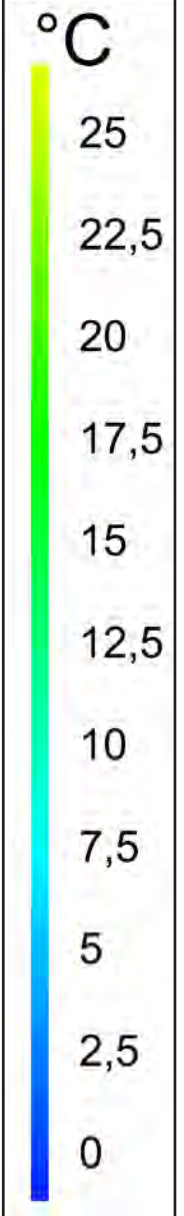
2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2



Températures minimales mensuelles d'août à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

°C

25

22,5

20

17,5

15

12,5

10

7,5

5

2,5

0

Températures minimales mensuelles de septembre à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

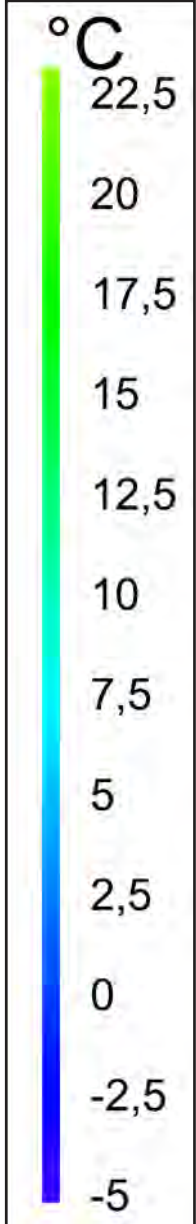
2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2



Températures minimales mensuelles d'octobre à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

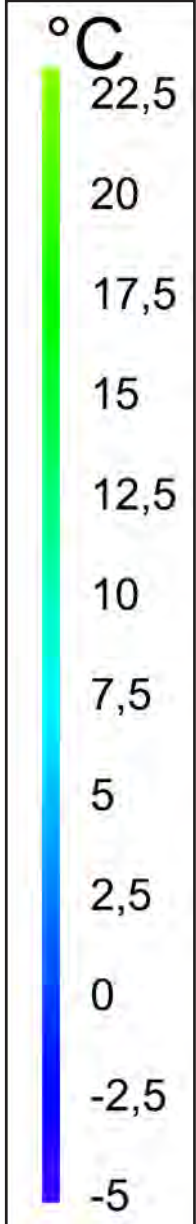
2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2



Températures minimales mensuelles de novembre à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

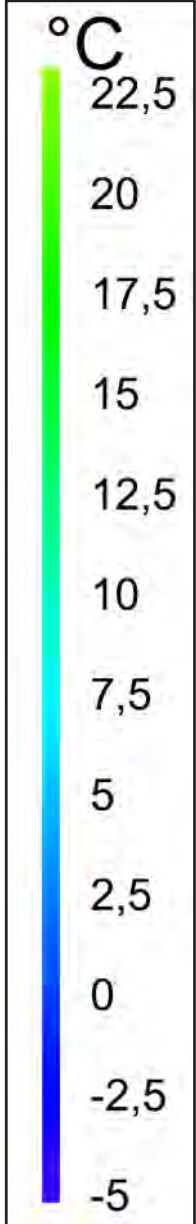
2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2



Températures minimales mensuelles de décembre à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

°C

7,5

5

2,5

0

-2,5

-5

-7,5

-10

-12,5

-15

Températures maximales mensuelles de janvier à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

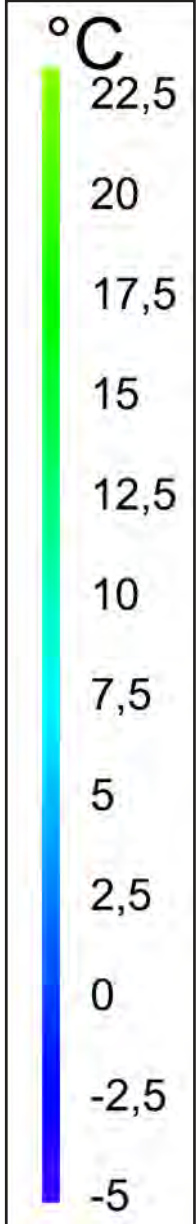
2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2



Températures maximales mensuelles de février à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

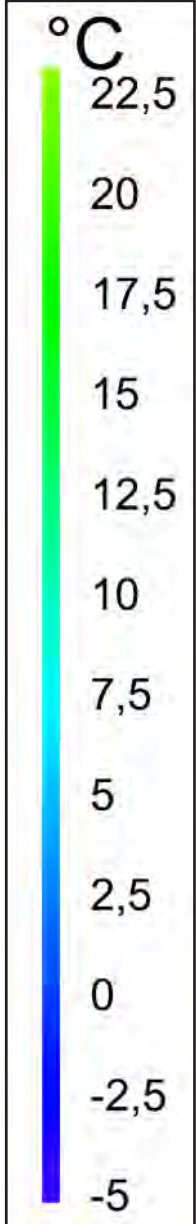
2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2



Températures maximales mensuelles de mars à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

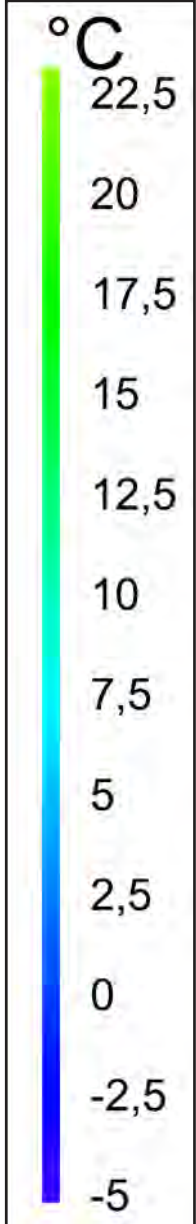
2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2



Températures maximales mensuelles d'avril à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

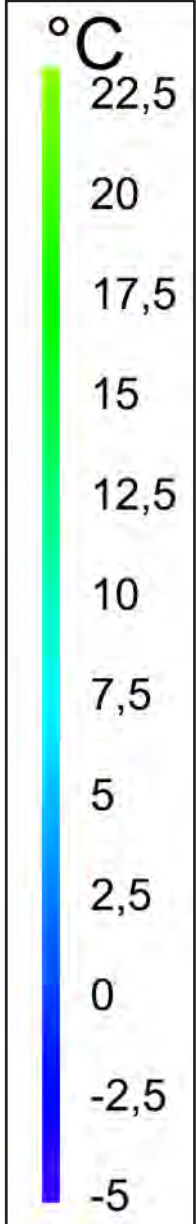
2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2



Températures maximales mensuelles de mai à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

°C

25

22,5

20

17,5

15

12,5

10

7,5

5

2,5

0

Températures maximales mensuelles de juin à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

°C

37,5

35

32,5

30

27,5

25

22,5

20

17,5

15

12,5

Températures maximales mensuelles de juillet à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

2071-2100 B1

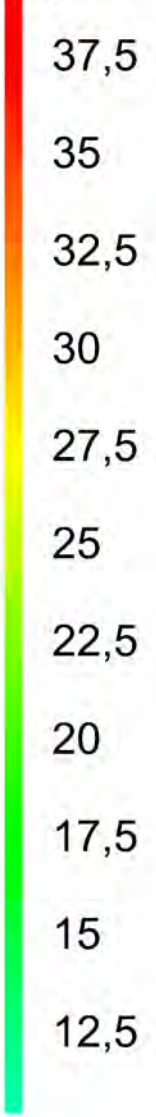
2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

°C



Températures maximales mensuelles d'août à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

°C

37,5

35

32,5

30

27,5

25

22,5

20

17,5

15

12,5

Températures maximales mensuelles de septembre à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

°C

37,5

35

32,5

30

27,5

25

22,5

20

17,5

15

12,5

Températures maximales mensuelles d'octobre à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

°C

25

22,5

20

17,5

15

12,5

10

7,5

5

2,5

0

Températures maximales mensuelles de novembre à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

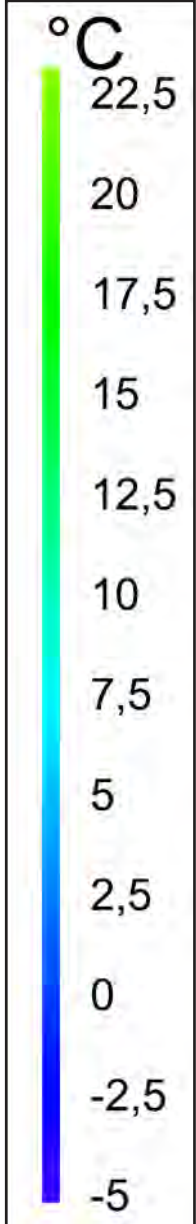
2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2



Températures maximales mensuelles de décembre à 90 m de résolution

0 25 50 km

N



1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

°C

22,5

20

17,5

15

12,5

10

7,5

5

2,5

0

-2,5

-5

Précipitations mensuelles de janvier à 90 m de résolution

0 25 50 km



mm

250

200

150

100

70

60

50

40

30

20

10

1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

Précipitations mensuelles de février à 90 m de résolution



0 25 50 km

mm



1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

Précipitations mensuelles de mars à 90 m de résolution

0 25 50 km



mm

250

200

150

100

70

60

50

40

30

20

10

1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

Précipitations mensuelles d'avril à 90 m de résolution



0 25 50 km

mm

250

200

150

100

70

60

50

40

30

20

10

1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

Précipitations mensuelles de mai à 90 m de résolution

0 25 50 km



mm

250

200

150

100

70

60

50

40

30

20

10

1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

Précipitations mensuelles de juin à 90 m de résolution



0 25 50 km

mm

250

200

150

100

70

60

50

40

30

20

10

1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

Précipitations mensuelles de juillet à 90 m de résolution

N



0 25 50 km

1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

mm

250

200

150

100

70

60

50

40

30

20

10

Précipitations mensuelles d'août à 90 m de résolution

0 25 50 km



mm

250

200

150

100

70

60

50

40

30

20

10

1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

Précipitations mensuelles de septembre à 90 m de résolution



0 25 50 km

1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

mm

250

200

150

100

70

60

50

40

30

20

10

Précipitations mensuelles d'octobre à 90 m de résolution



0 25 50 km

1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

2071-2100 A2

mm

250

200

150

100

70

60

50

40

30

20

10

Précipitations mensuelles de novembre à 90 m de résolution

0 25 50 km



mm



1961-1990

2021-2050 B1

2071-2100 B1

2021-2050 A1B

2071-2100 A1B

2021-2050 A2

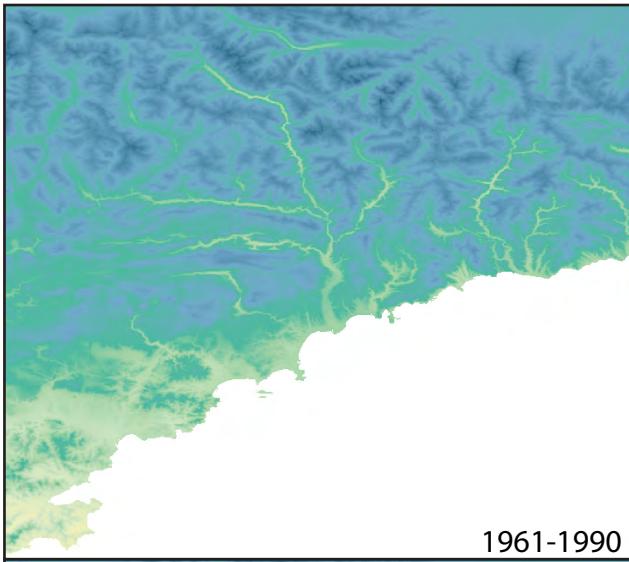
2071-2100 A2

Précipitations mensuelles de décembre à 90 m de résolution

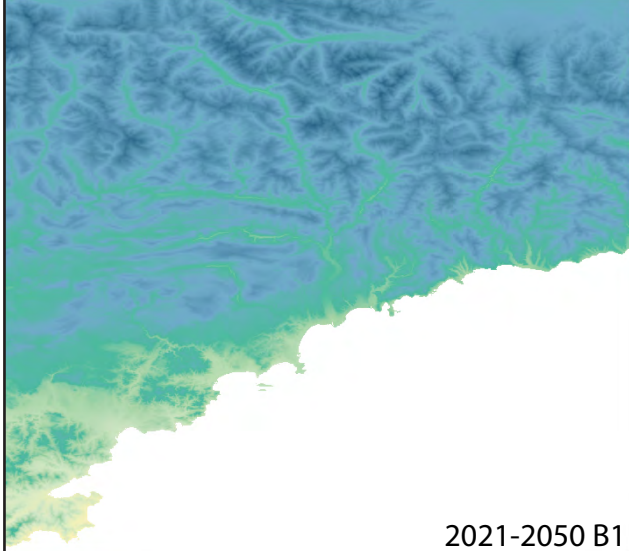
0 25 50 km



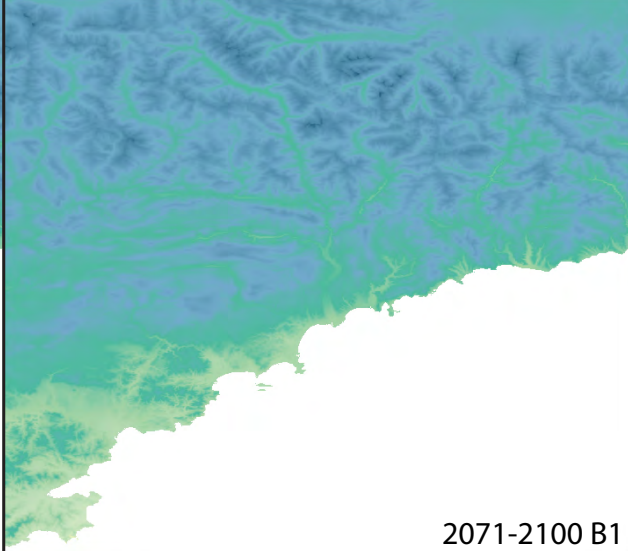
mm



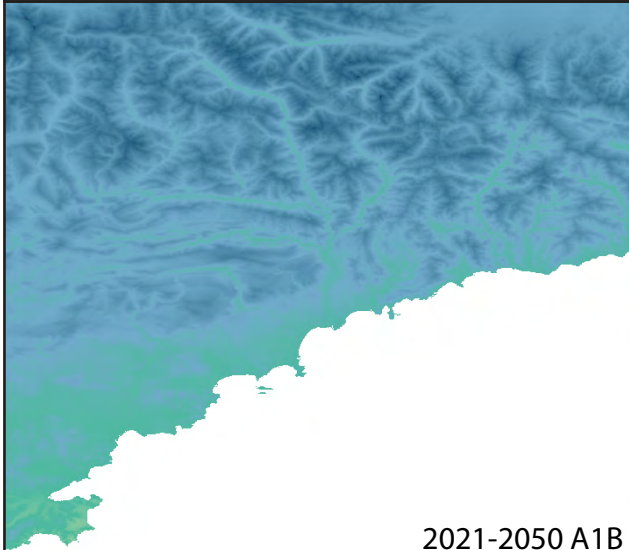
1961-1990



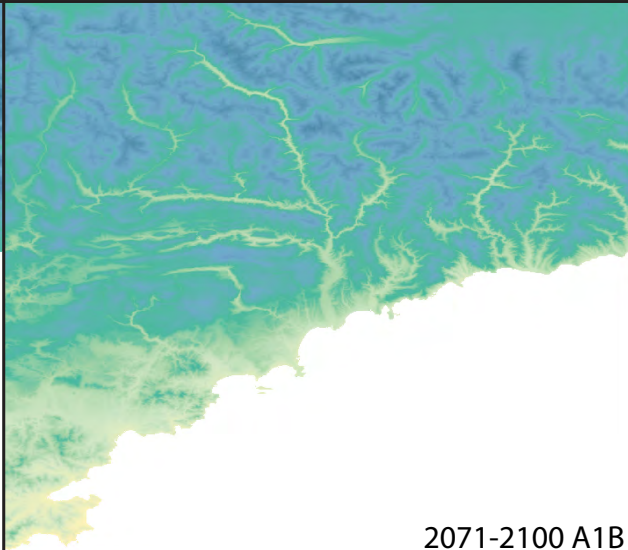
2021-2050 B1



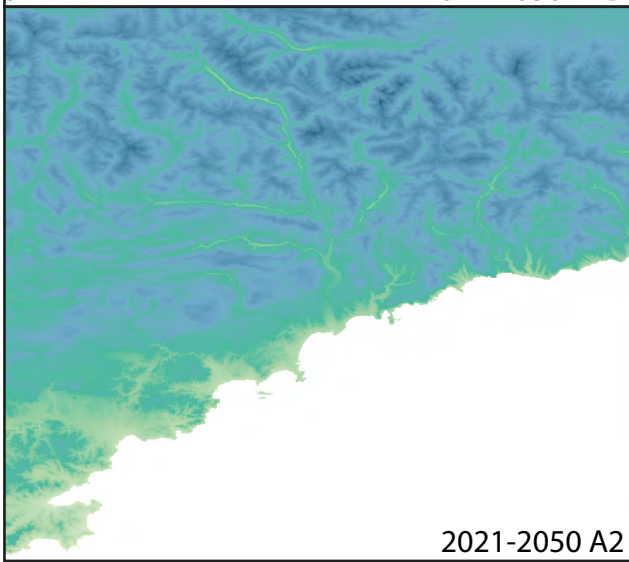
2071-2100 B1



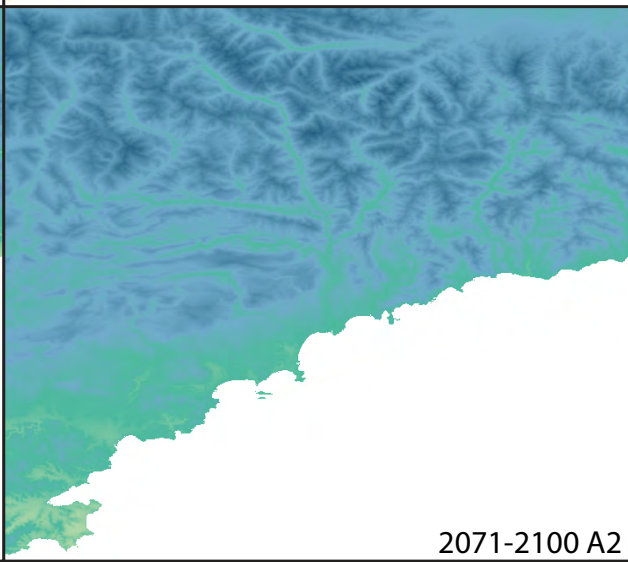
2021-2050 A1B



2071-2100 A1B



2021-2050 A2



2071-2100 A2