

FR-FR

Adultes



Vous avez toutes les cartes en main

# Activités humaines



# Utilisation des énergies fossiles

Milliards de tonnes de CO<sub>2</sub> par an

Emissions de CO<sub>2</sub> des énergies fossiles

40 GtCO<sub>2</sub>/an

40

20

0

-20

1900

1950

2000

2050

2100

SSP5-8.5

SSP3-7.0

SSP2-4.5

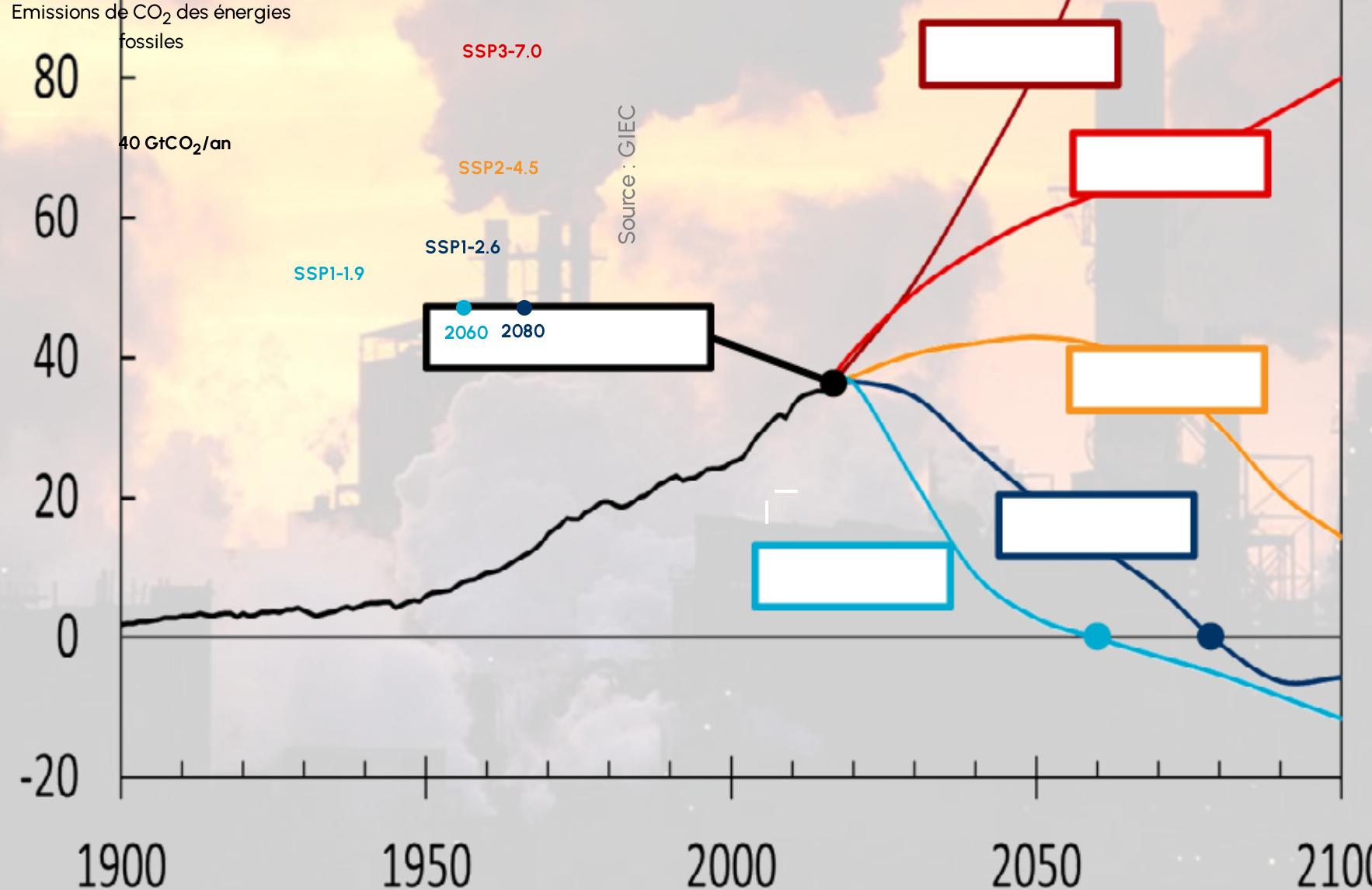
SSP1-2.6

SSP1-1.9

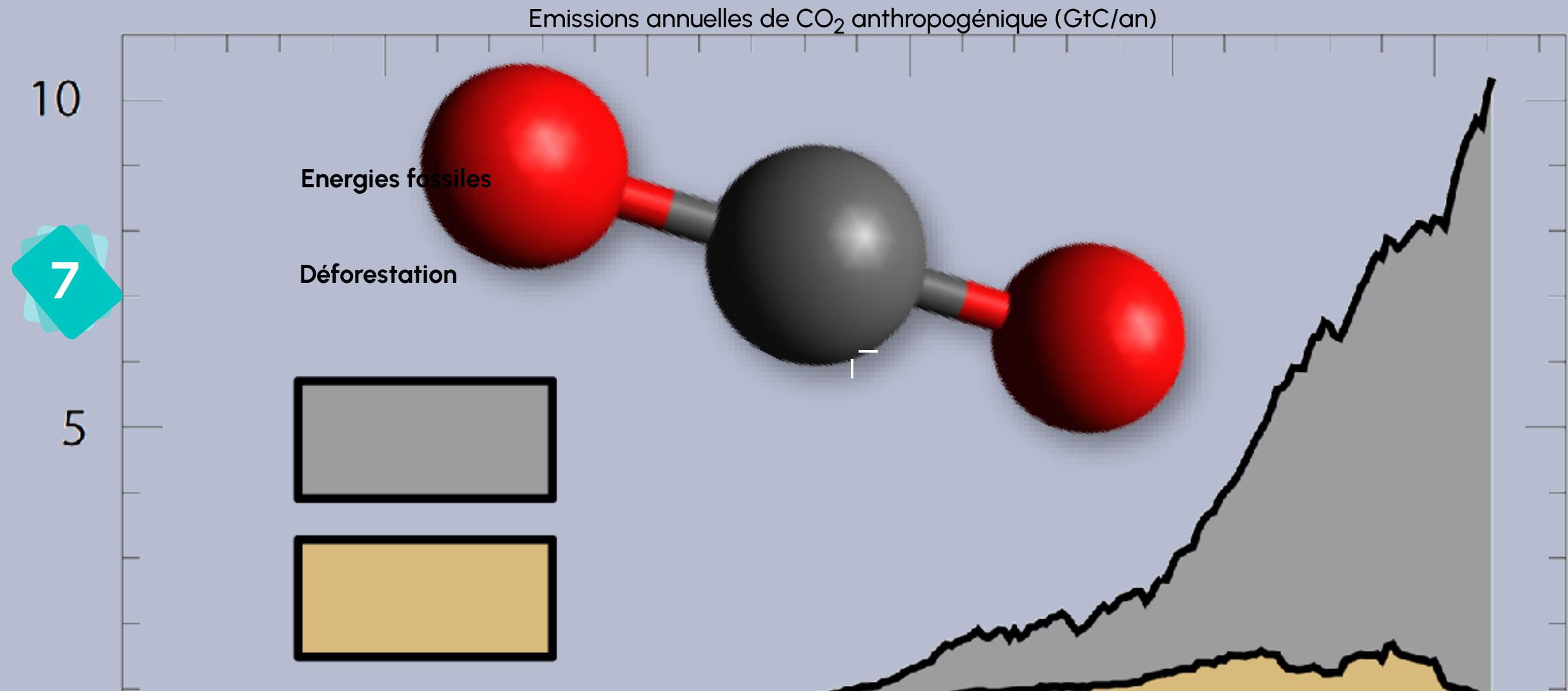
2060 2080

Source : GIEC

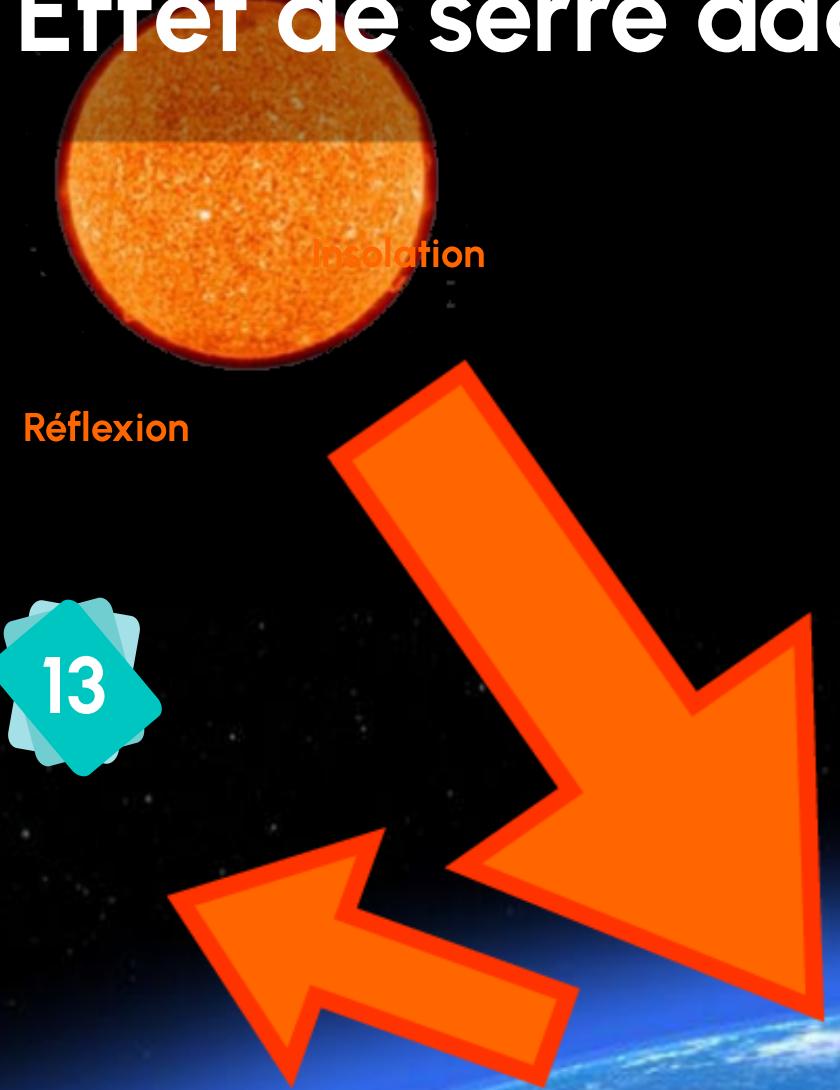
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# Émissions de CO<sub>2</sub>



# Effet de serre additionnel



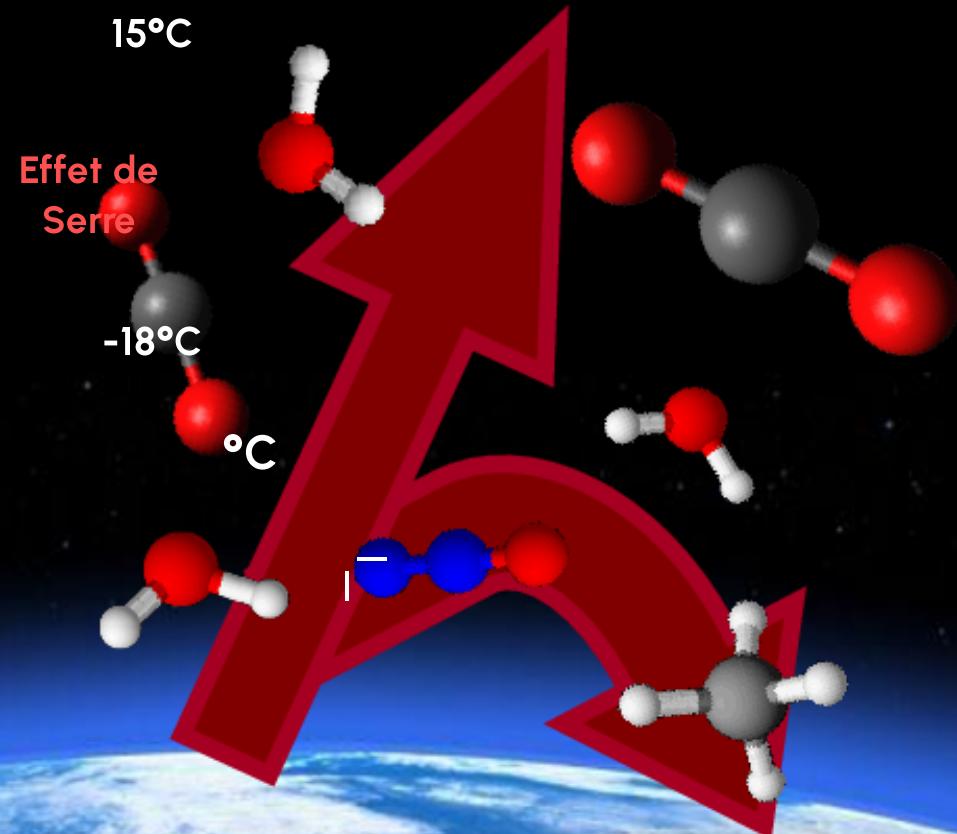
Rayonnement  
infrarouge

15°C

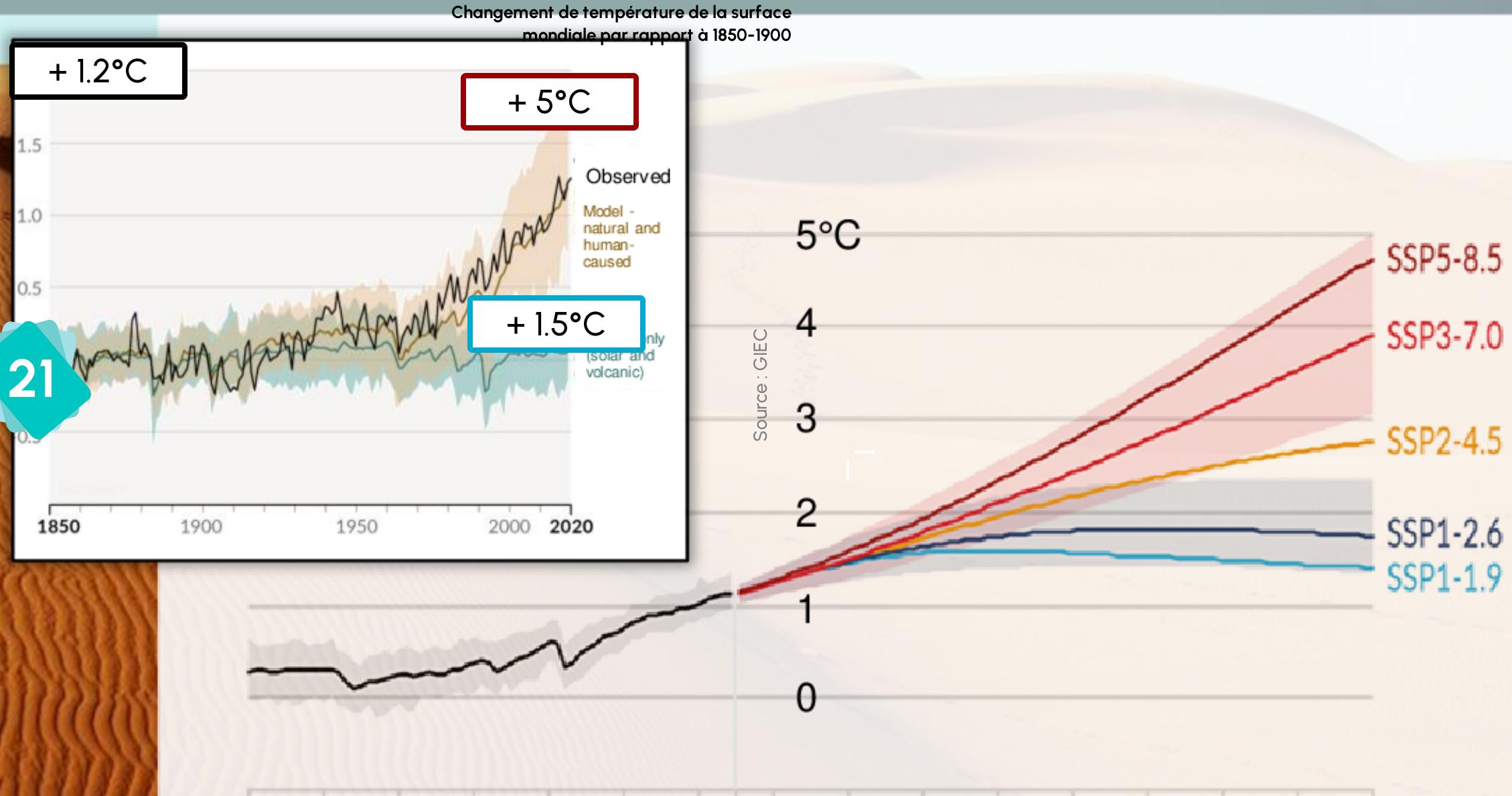
Effet de  
Serre

-18°C

°C



# Hausse de la température



# Fonte de la banquise

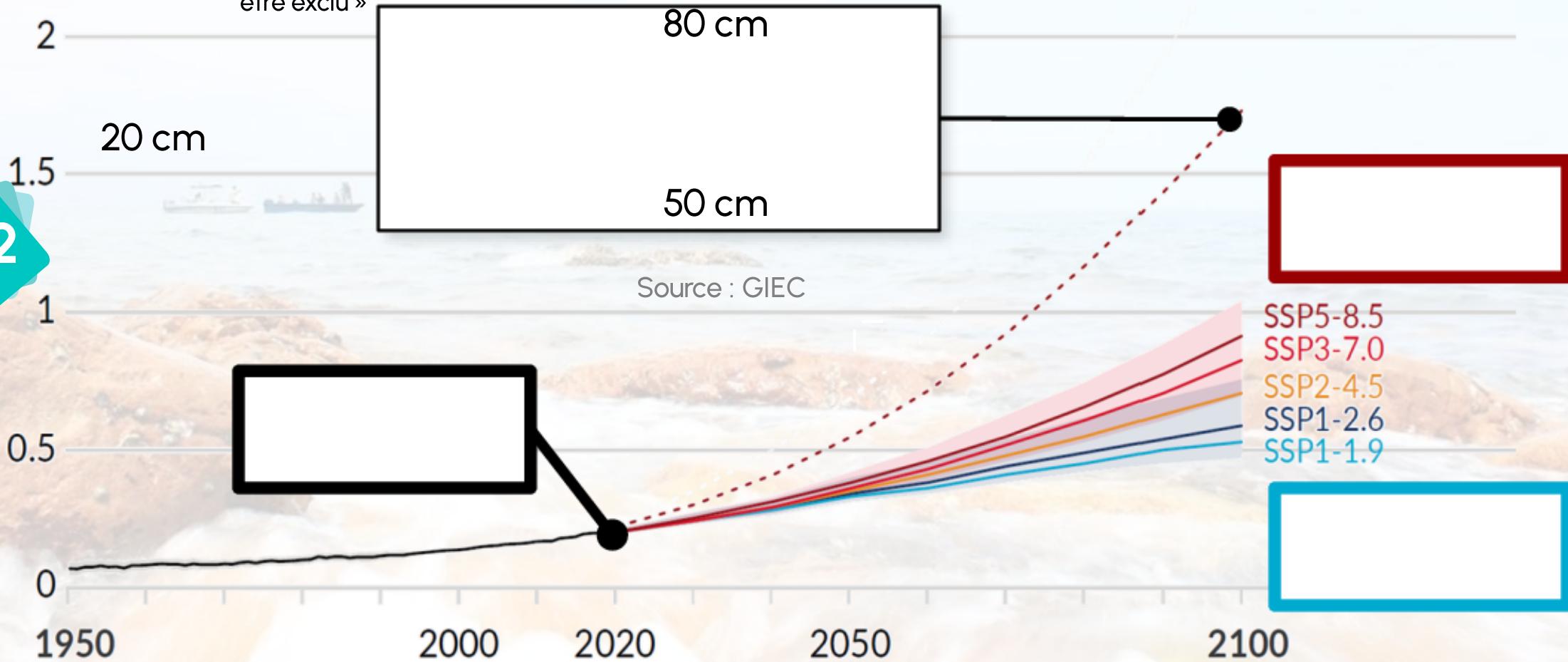


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# Montée des eaux

Variation de la moyenne mondiale du niveau des océans par rapport à 1900 (m)

Scénario extrême,  
mais « qui ne peut pas  
être exclu »



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# Industrie

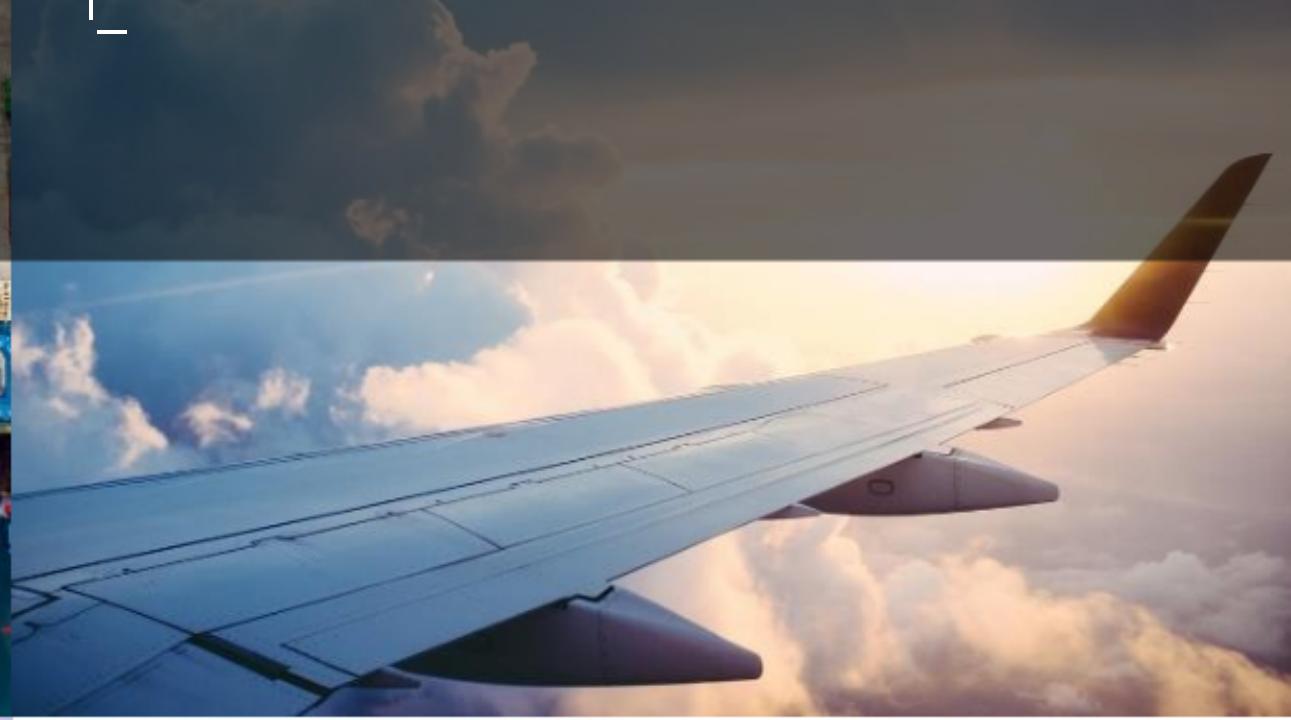


# Utilisation des bâtiments



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# Transport



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# Déforestation

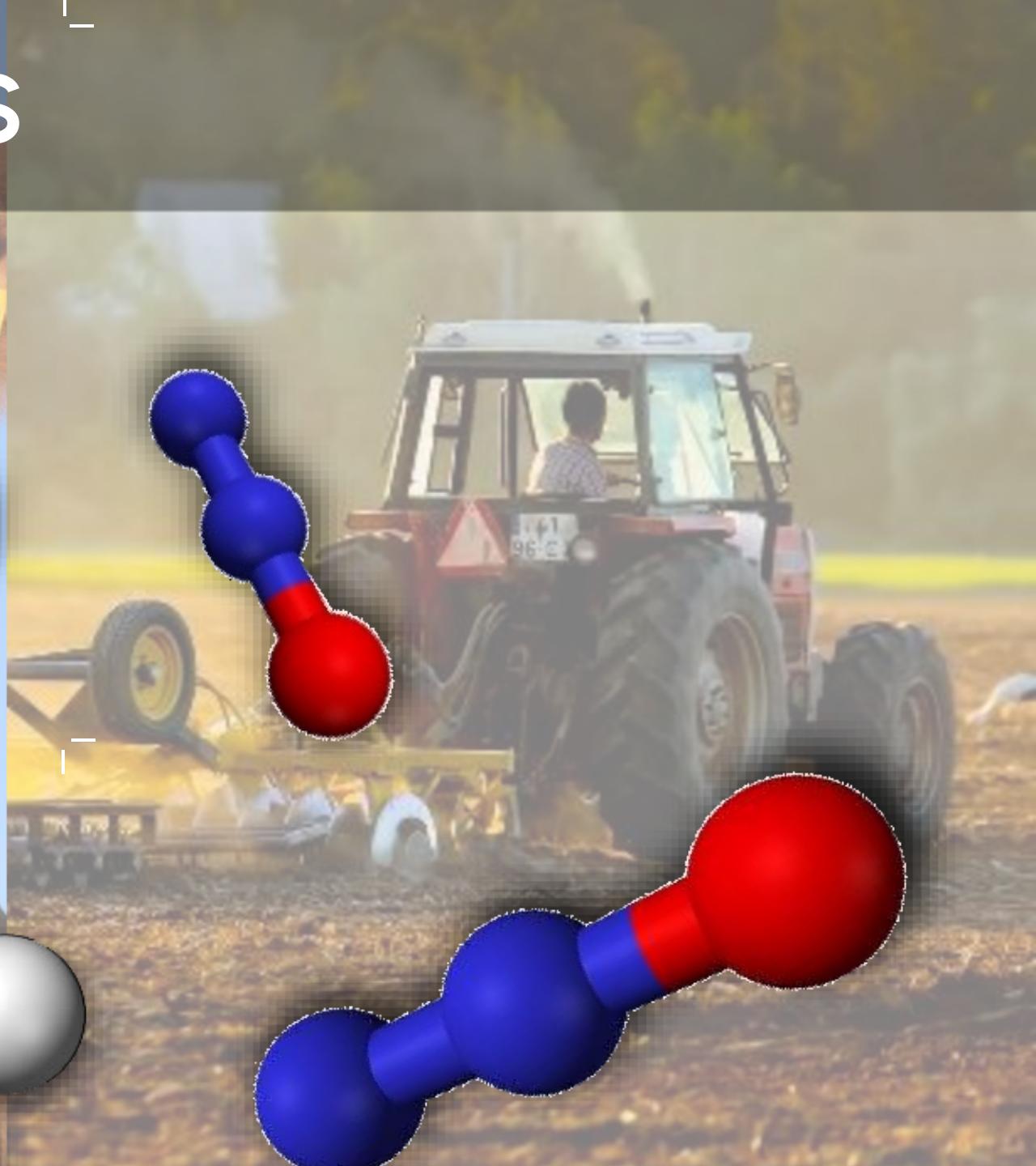
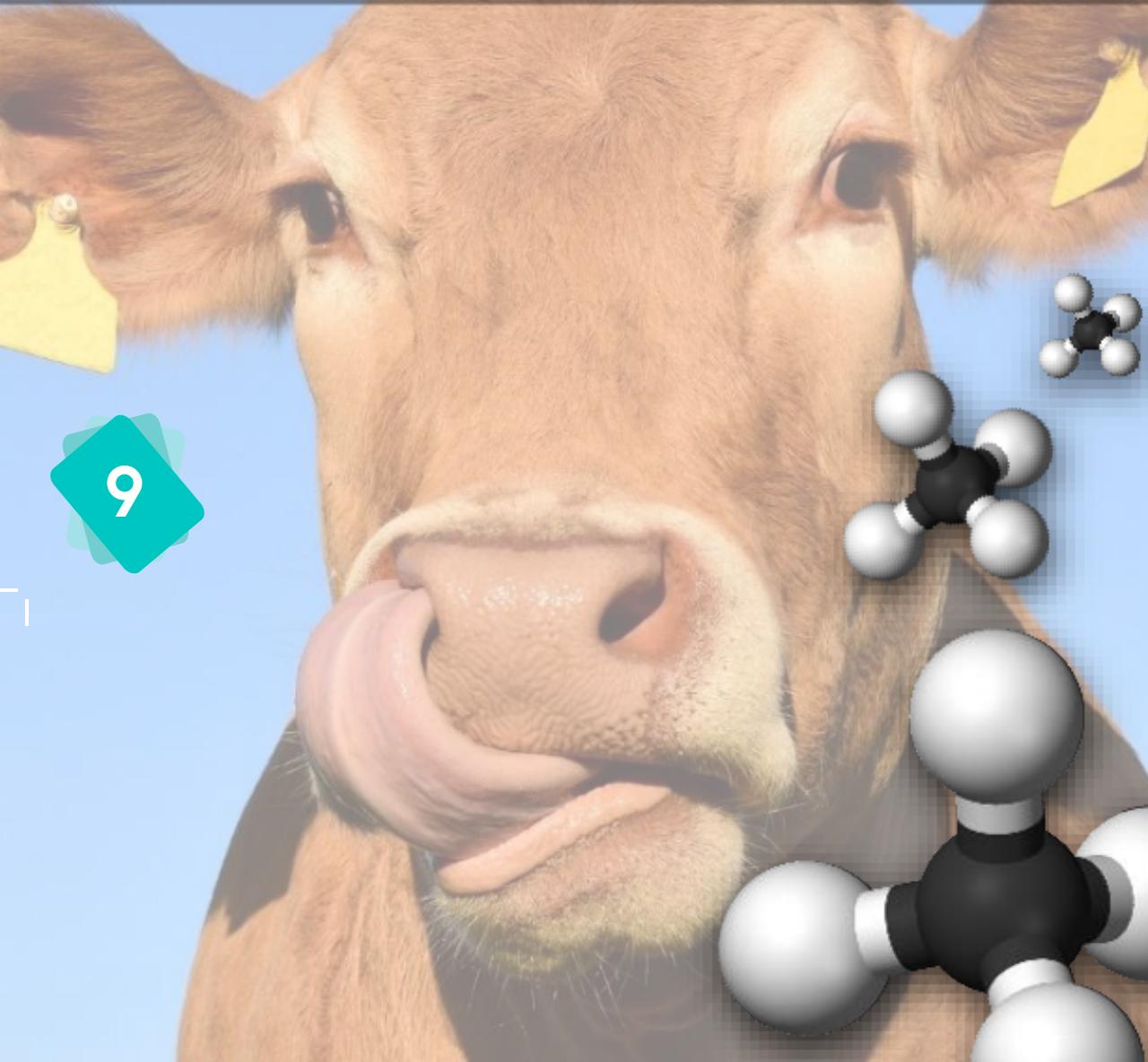
6



# Agriculture

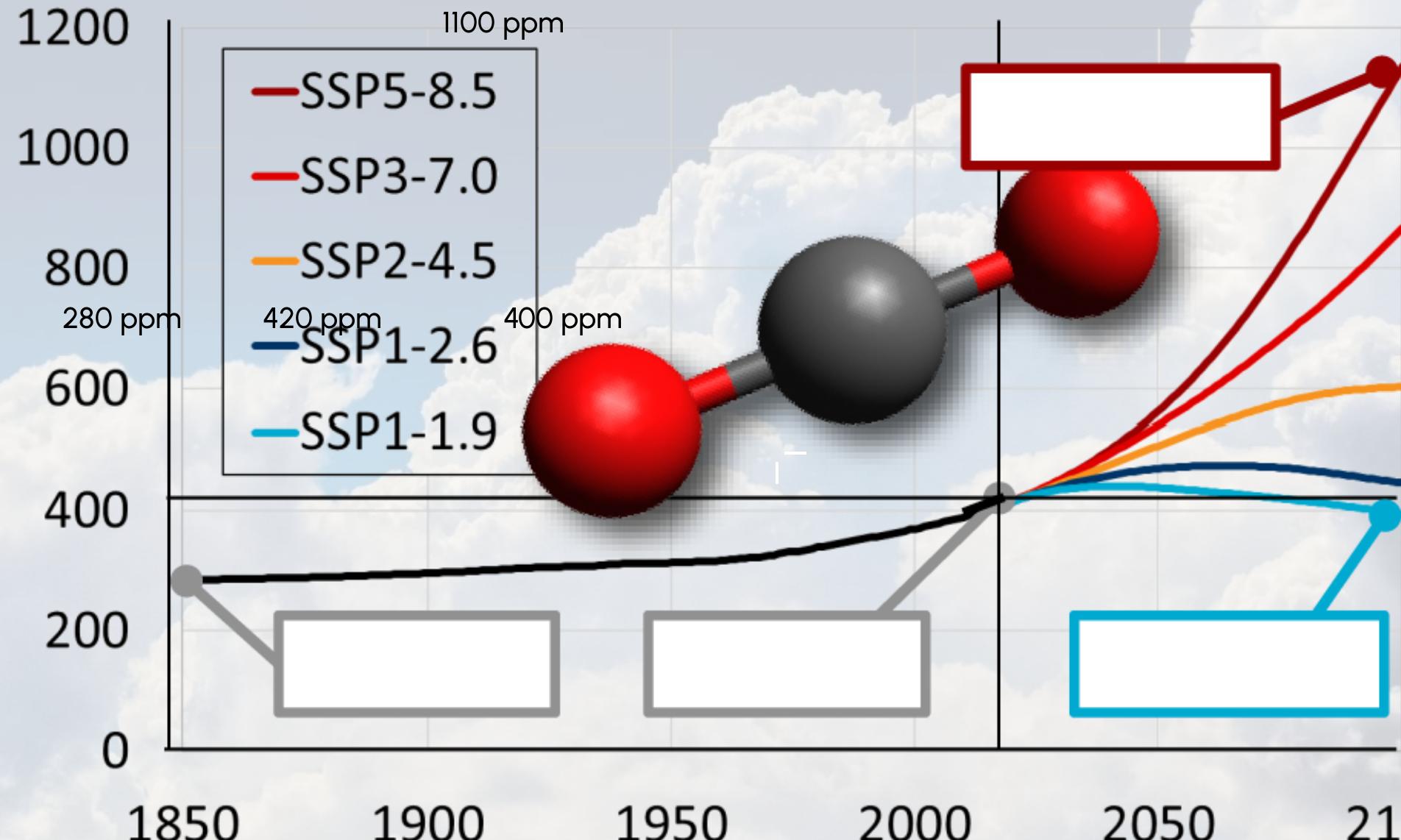


# Émissions d'autres GES

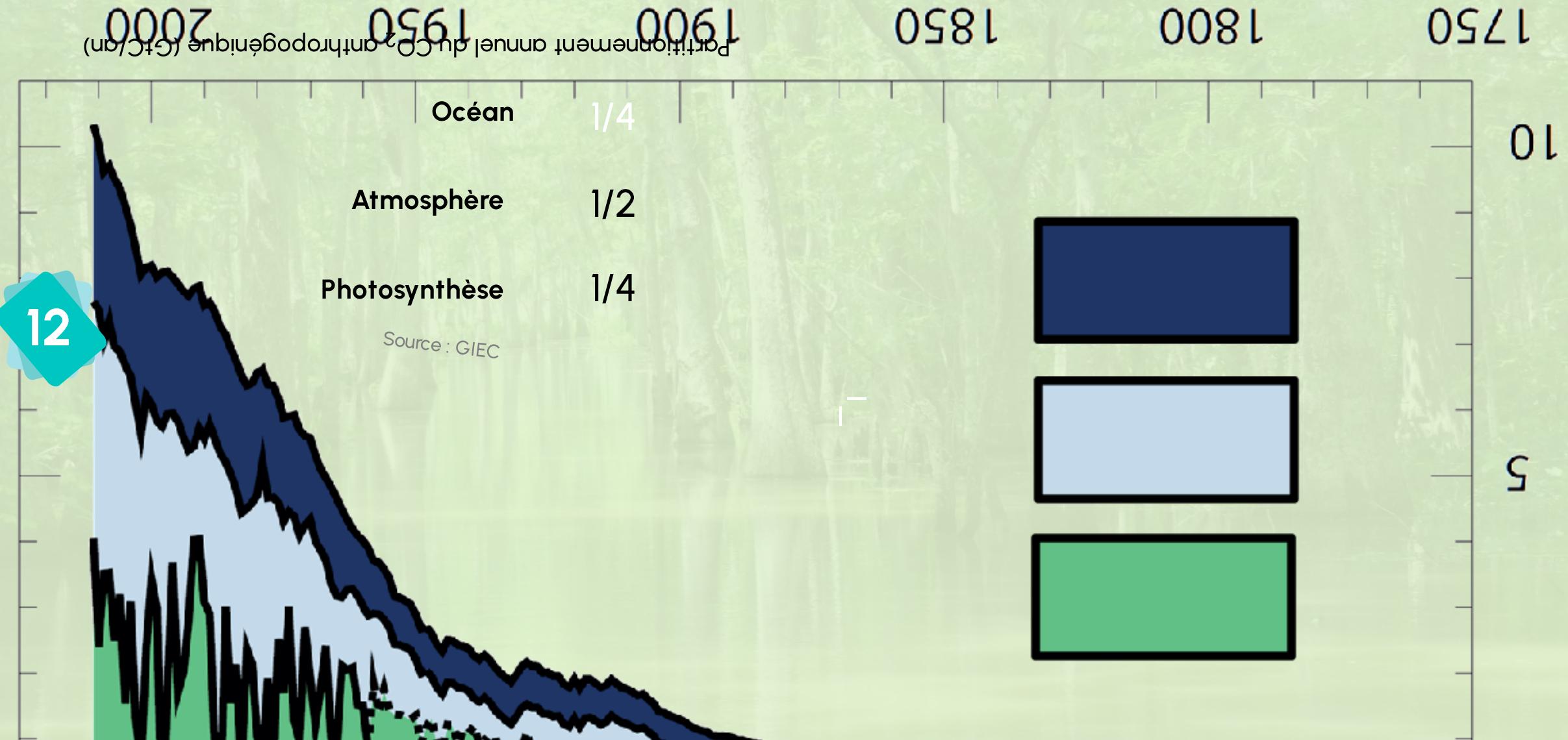


# Concentration en CO<sub>2</sub> (ppm)

Source : GIEC



# Puits de carbone

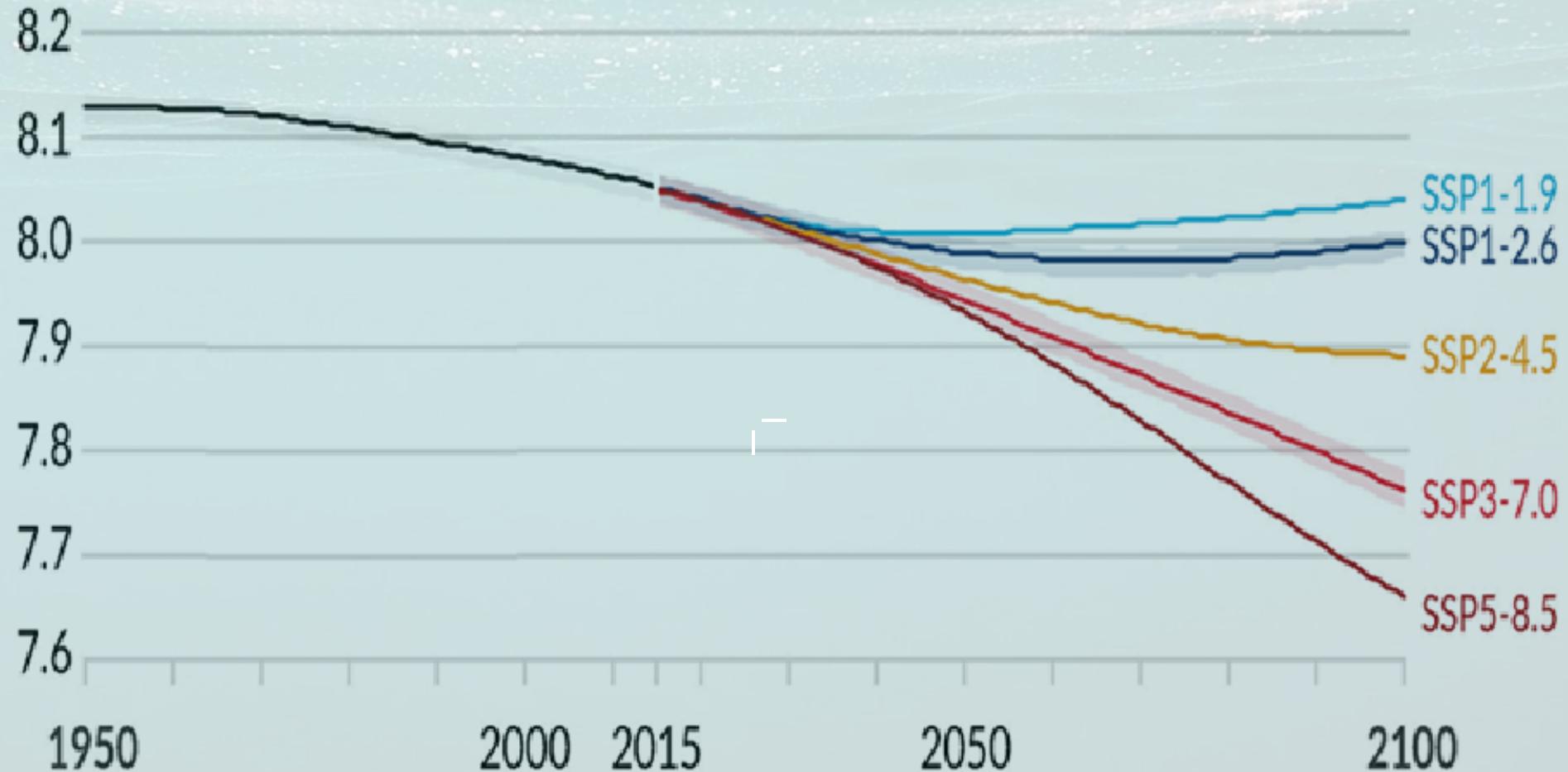


# Acidification de l'océan

Acidification de l'océan en  
fonction des scénarios SSP (pH)

Source : GIEC

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# Émissions d'aérosols

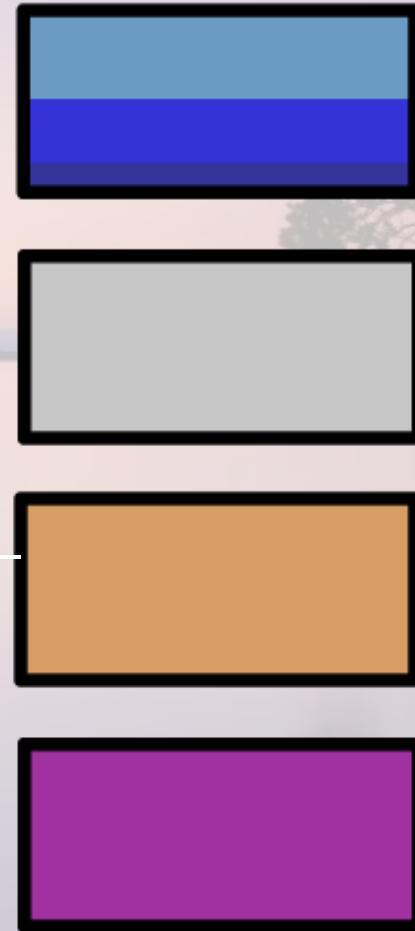
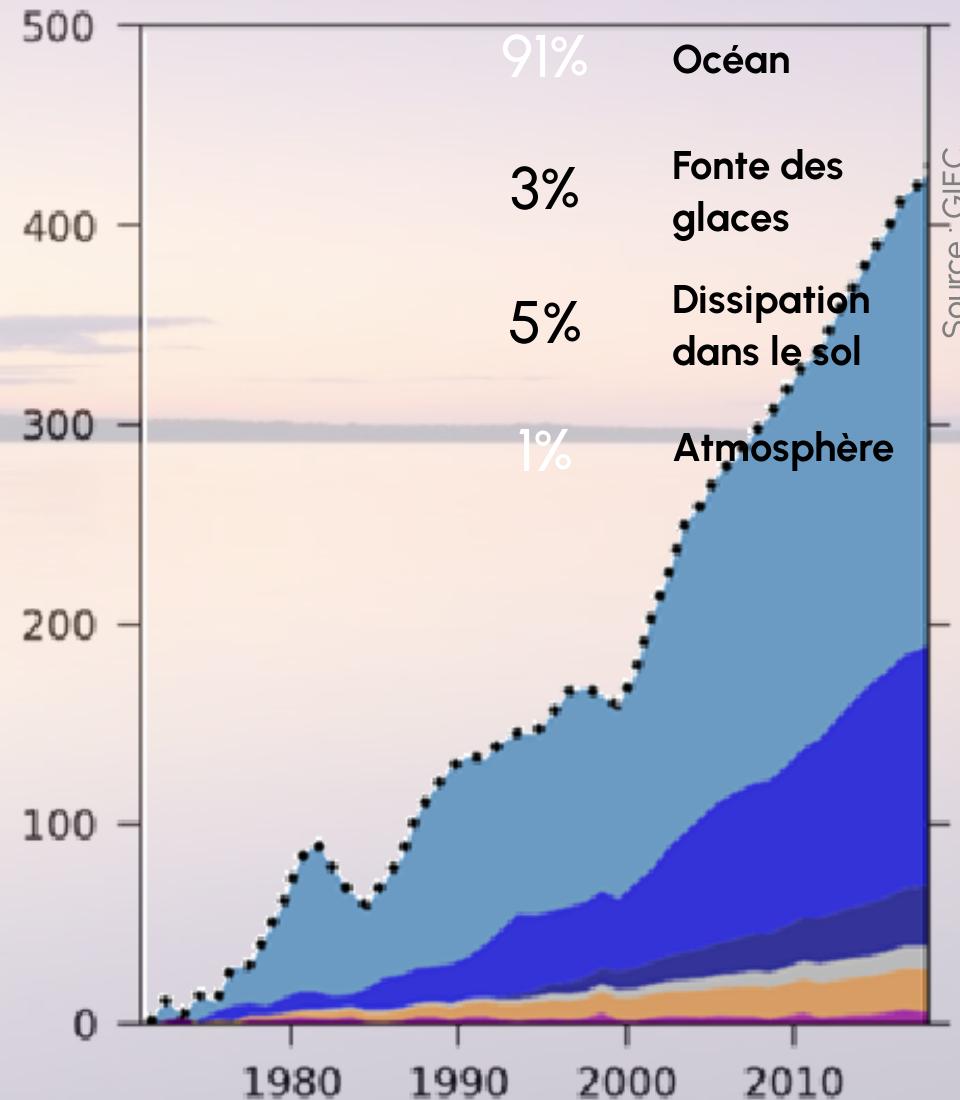


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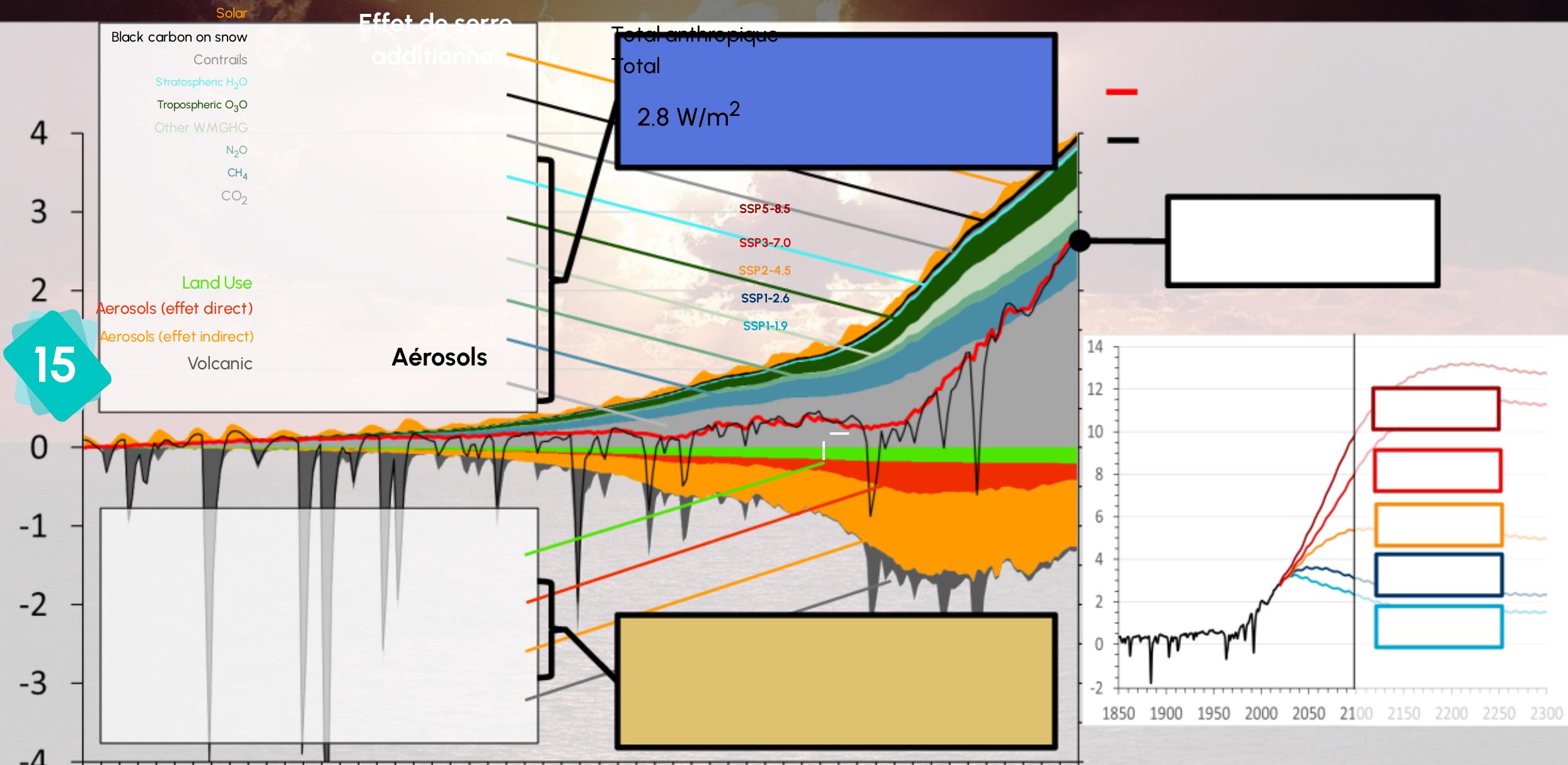
# Bilan énergétique

Contenu énergétique (ZJ)

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# Forçage radiatif



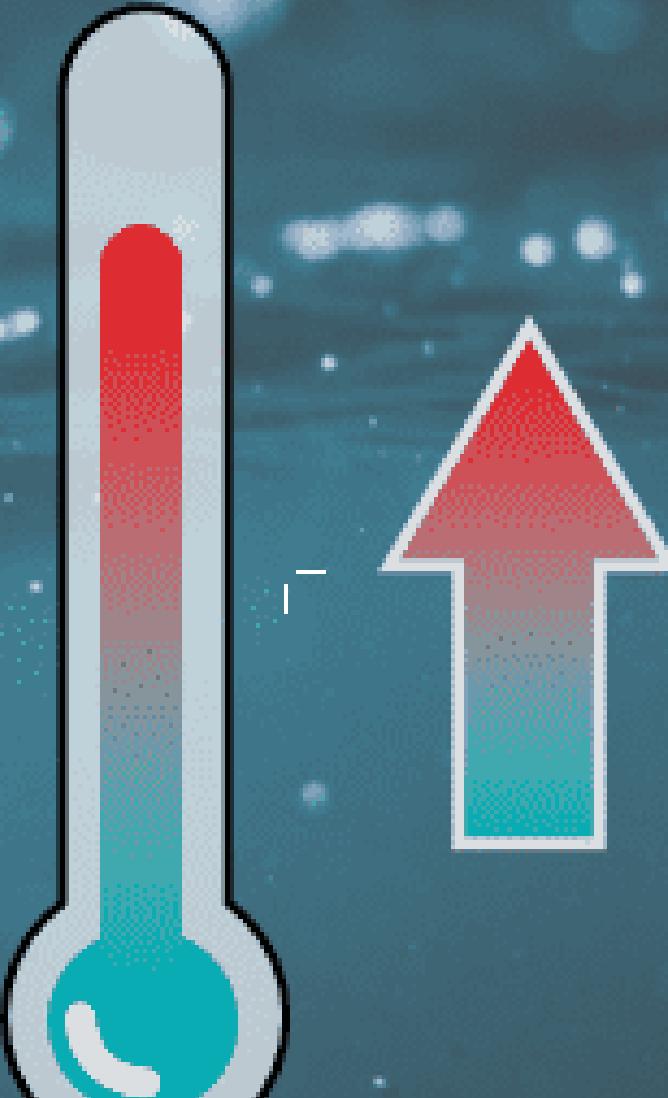
# Fonte des glaciers

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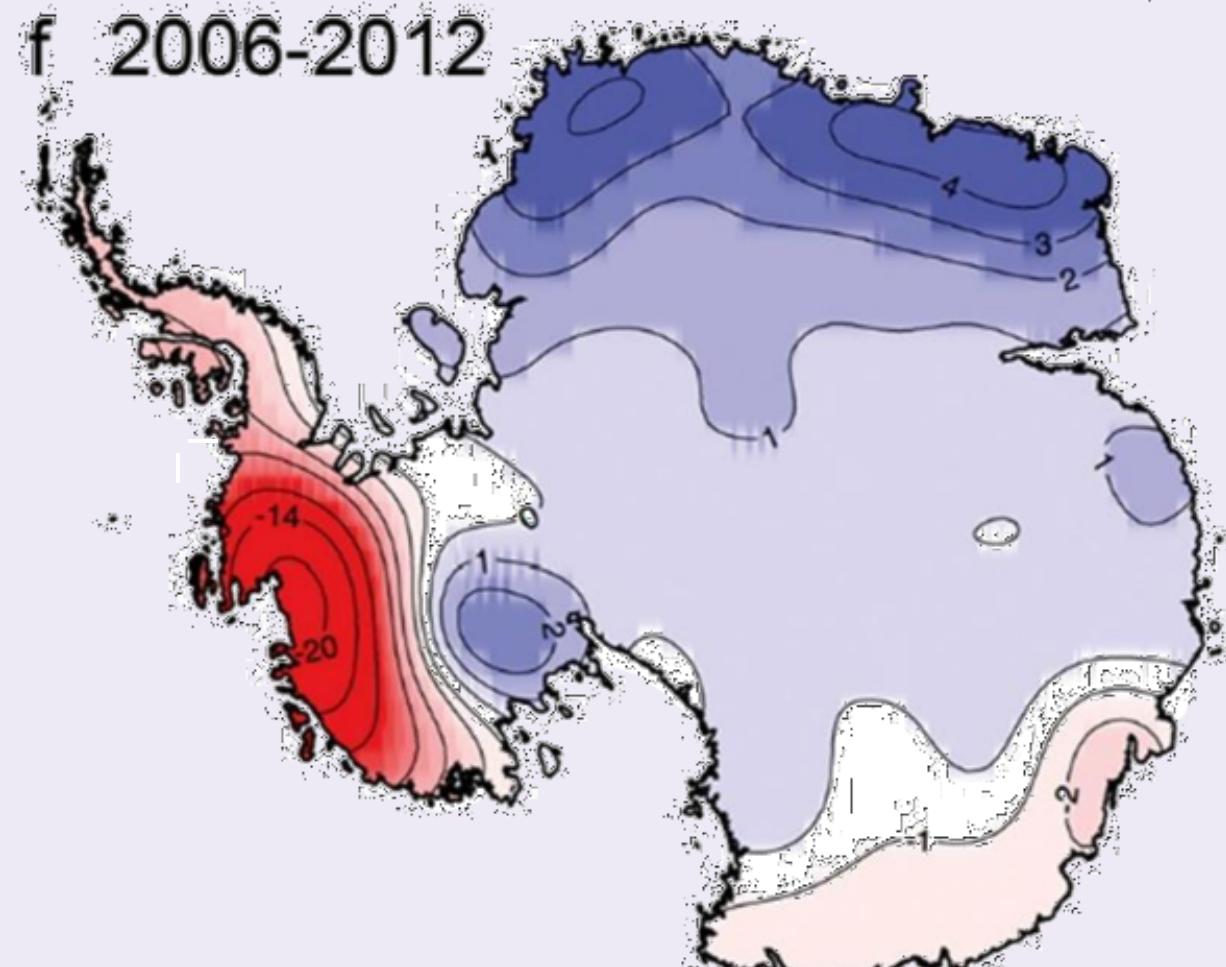
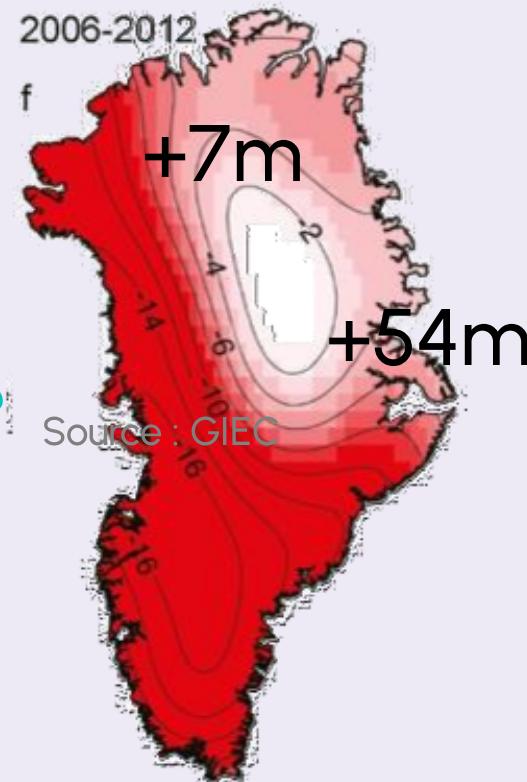
# Hausse de la température de l'eau

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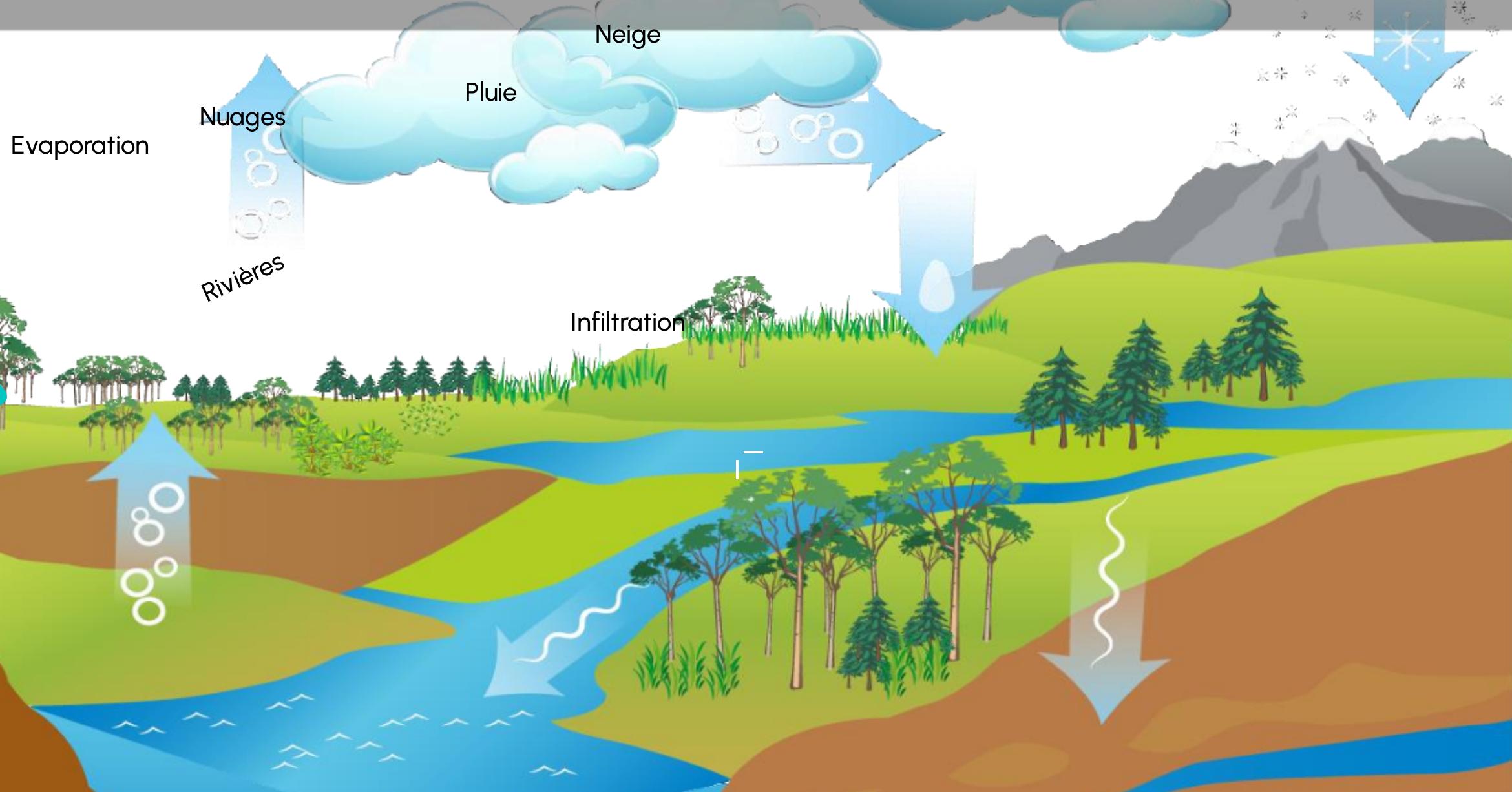


# Fonte des calottes glaciaires

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# Perturbation du cycle de l'eau



# Problèmes de calcification

HOW WILL CHANGES IN OCEAN CHEMISTRY AFFECT MARINE LIFE?

CO<sub>2</sub> absorbed from the atmosphere

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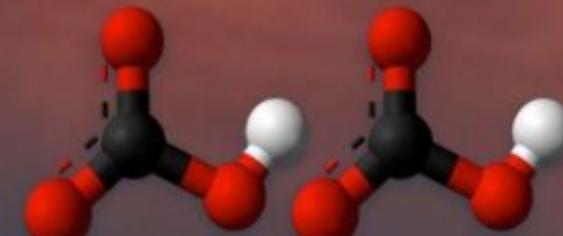
carbon  
dioxide



water



carbonate  
ion



2 bicarbonate  
ions

consumption of carbonate ions impedes calcification

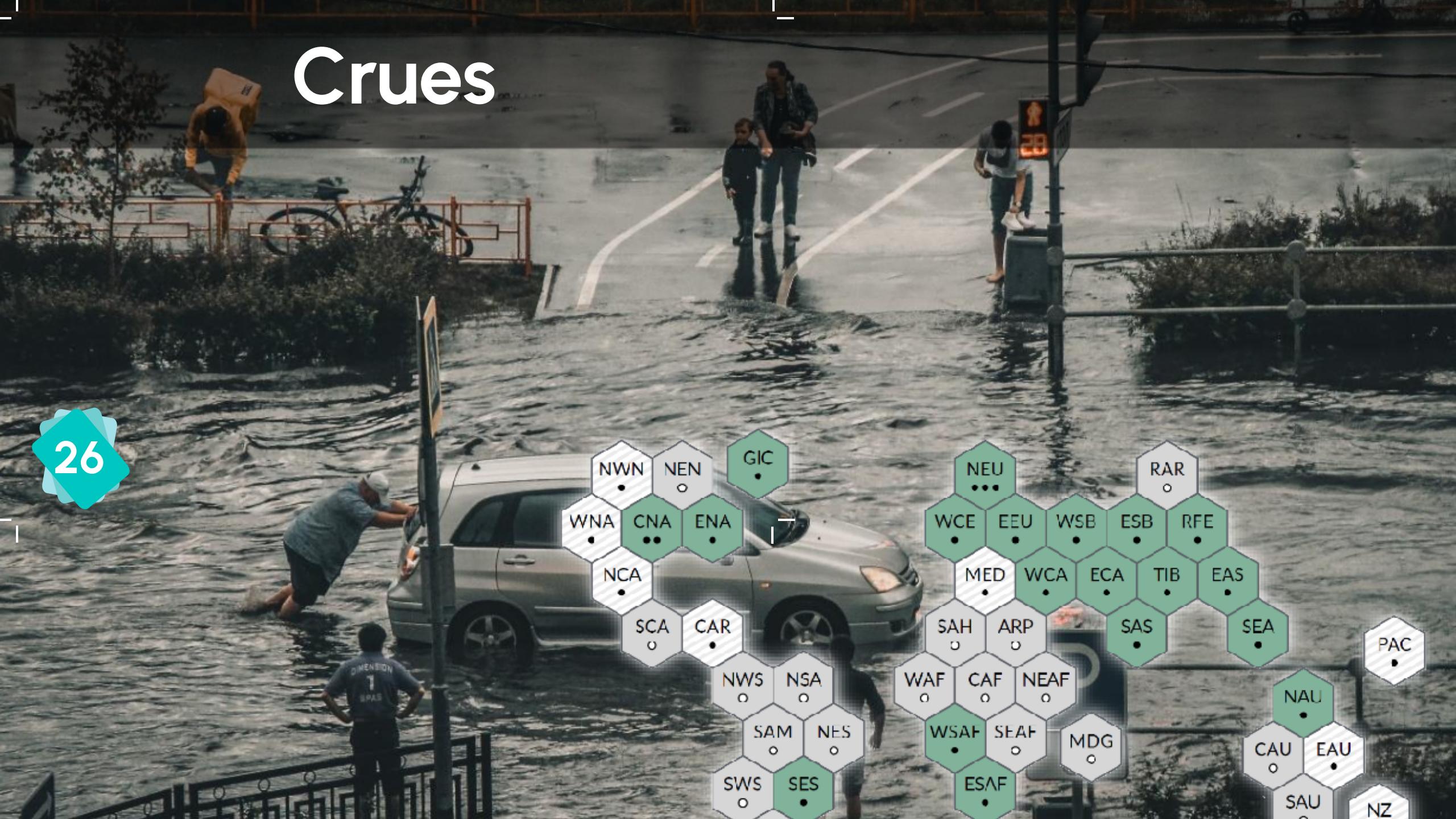
# Biodiversité terrestre

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# Crues

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# Biodiversité marine

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# Cyclones



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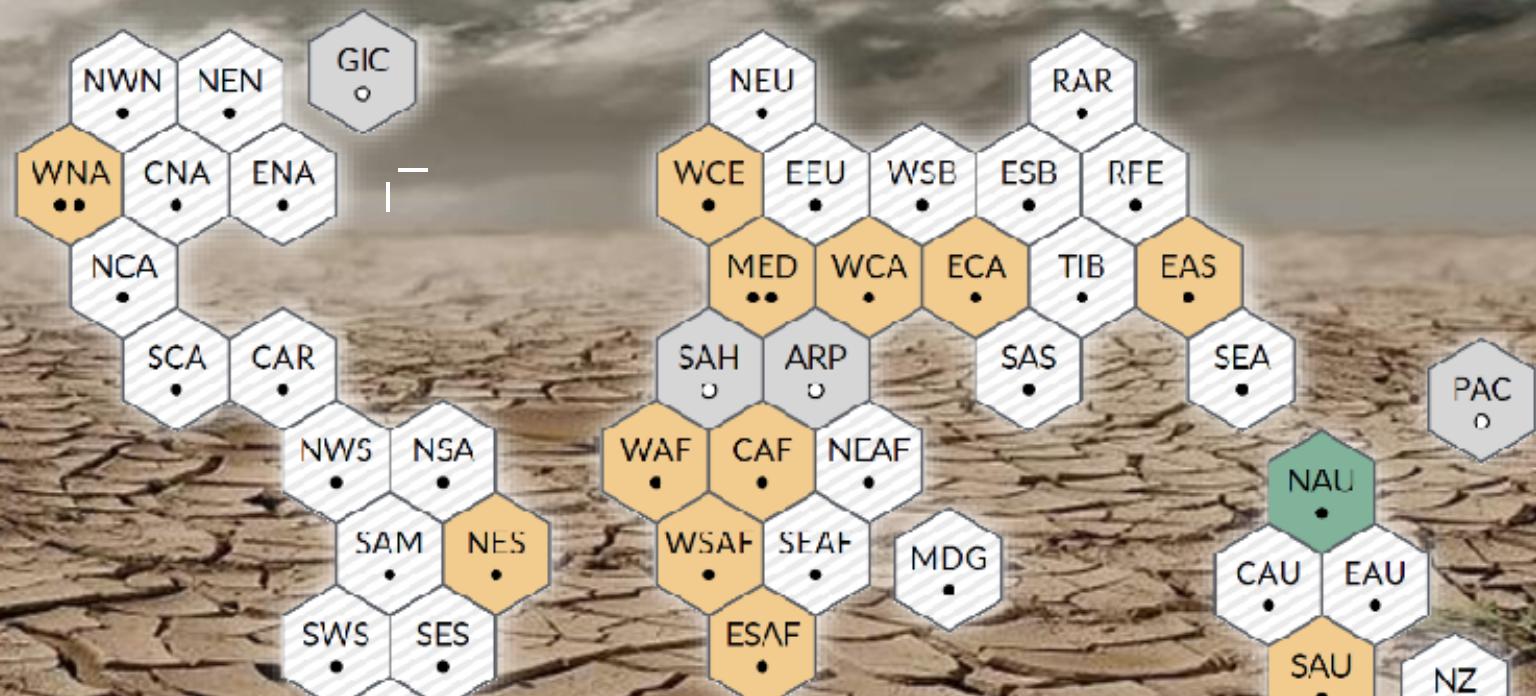
# Ptéropodes et coccolithophores

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# Sécheresses

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# Submersion



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# Vecteurs de maladie

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# Ressources en eau douce



# Baisse des rendements agricoles

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# Incendies

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# Canicules

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# Famines

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# Santé humaine

A medical professional with dark skin and braided hair, wearing teal scrubs, uses a stethoscope to listen to the heart and lungs of an elderly patient with short grey hair. The patient is wearing a white shirt. The background is a bright, clinical setting.

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# Réfugiés climatiques

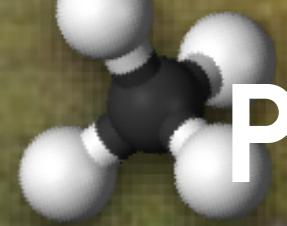


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# Conflits armés

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# Permafrost



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# Accroissement des inégalités



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