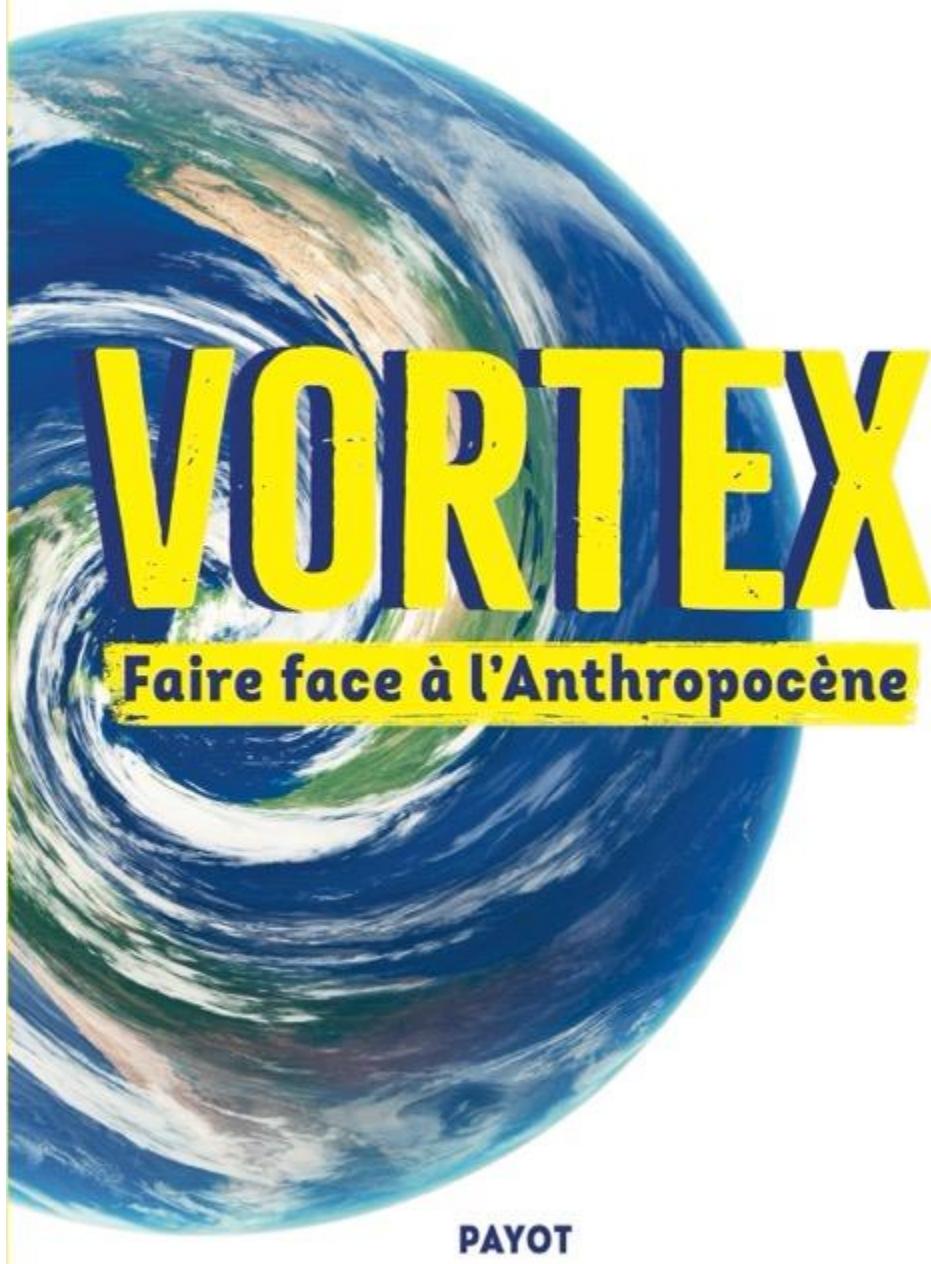




Laurent Testot
Nathanaël Wallenhorst



Habiter la Terre au 21^e siècle

Une conférence
de Laurent Testot



16 avril 2025



Nous ne sommes plus
en Holocène mais...
eh...
en Anthropocène !

© Teemu Rajala/Wikimedia CC3

Paul Crutzen
(1933-2021)



‘Avθρωπτο-KOI ?

*Qui a déjà
entendu
ce gros mot ?*



Et juste avant, Paul a dit...

Holocène
???





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Système Terre = Biosphère + Système climatique + Sociétés humaines

Vortex

c'est le tourbillon
qui menace les



© Laurent Testot





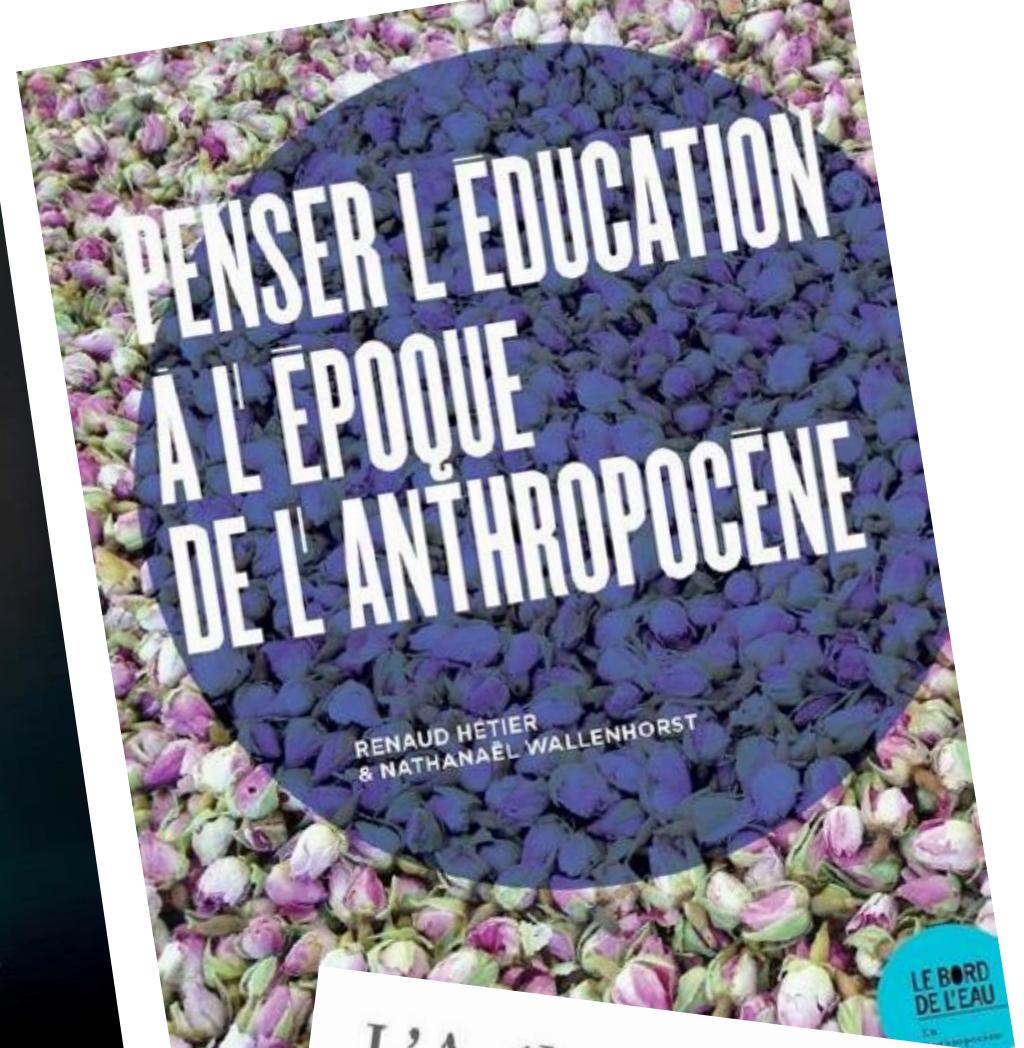
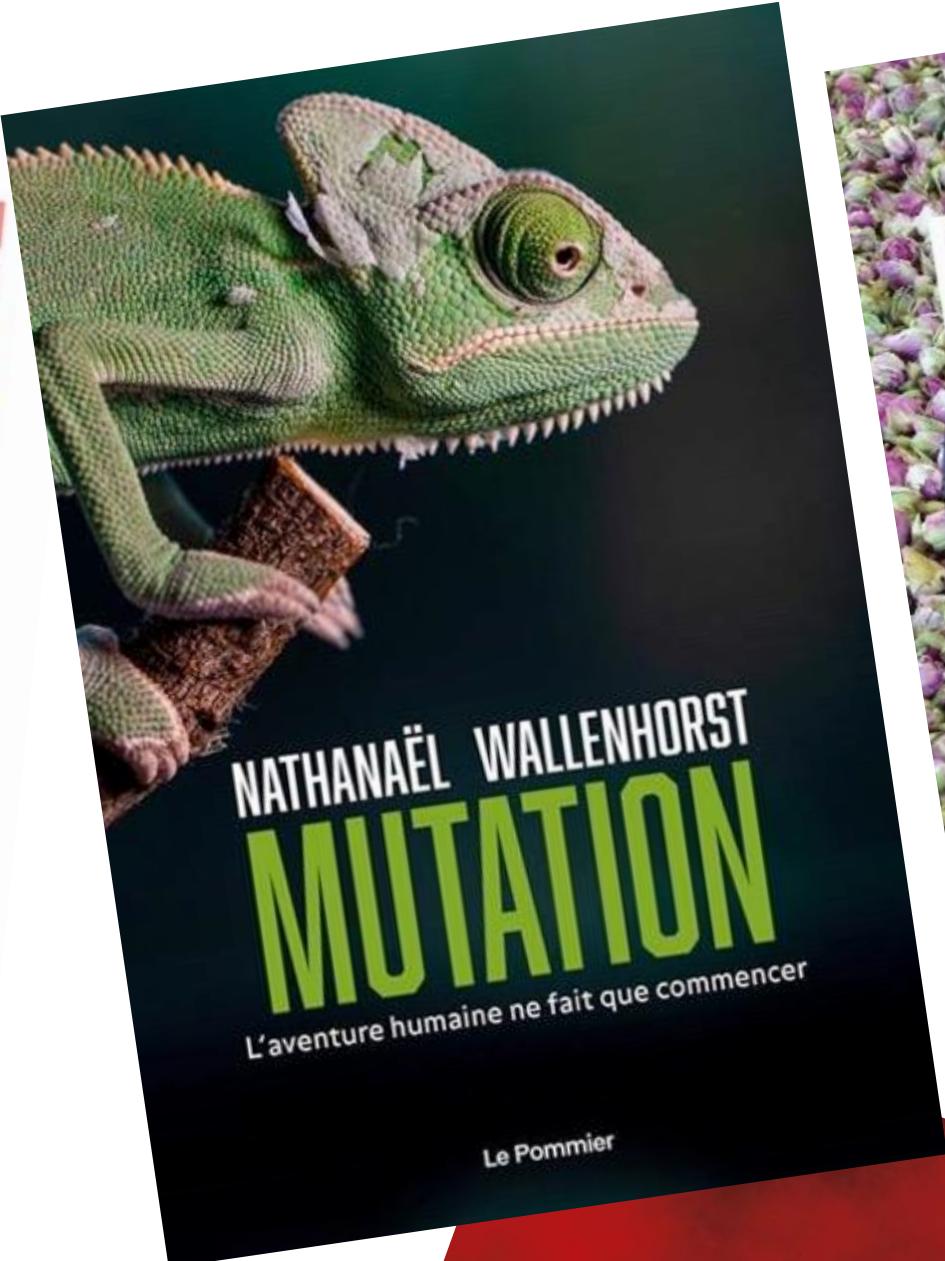
QUESTIONS DE SOCIÉTÉ

qui sauvera la planète ?

les technocrates,
les autocrates,
ou les démocrates...

NATHANAËL
WALLENHORST

ACTES SUD

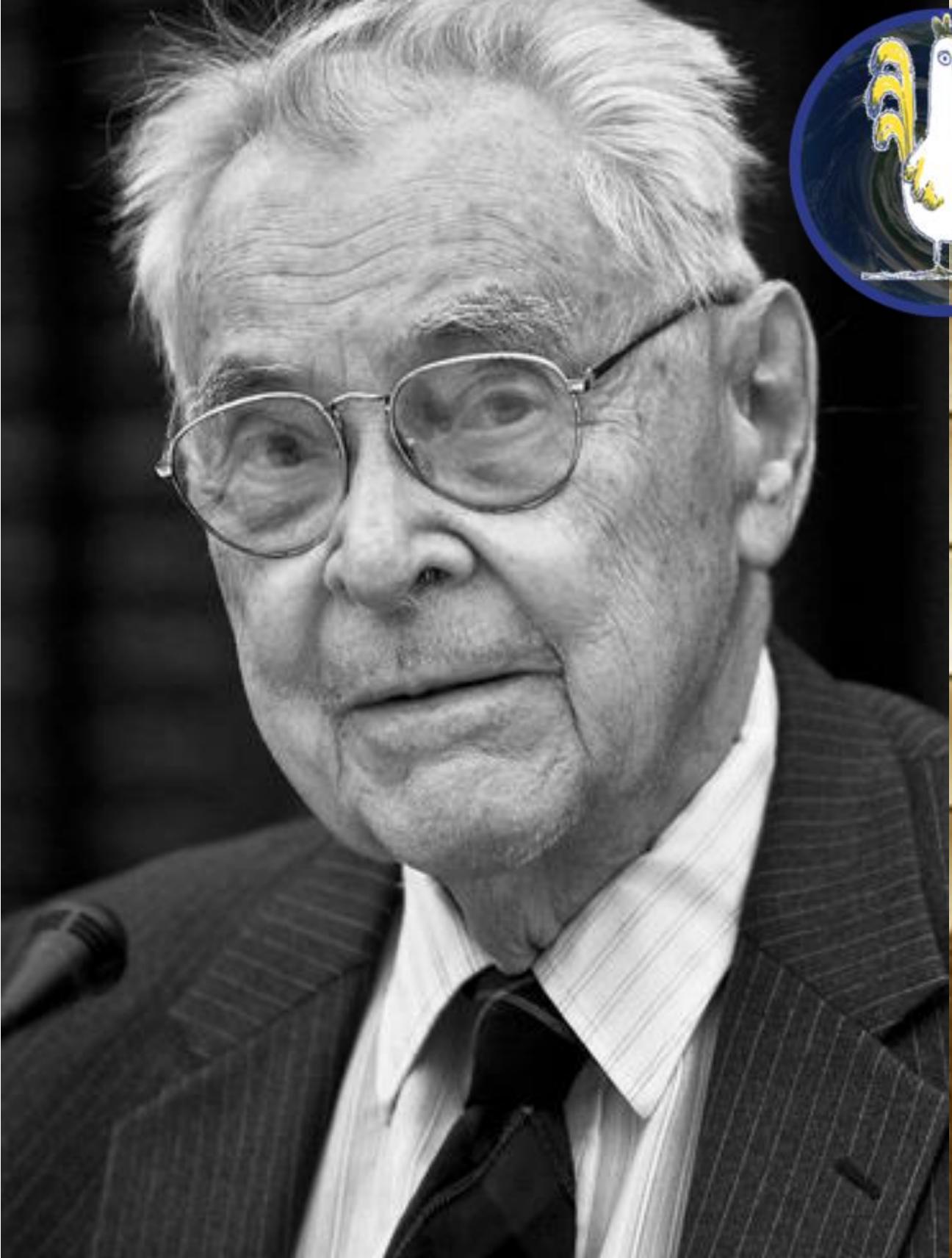


L'Anthropocène
décodé pour
les humains
N. Wallenhorst

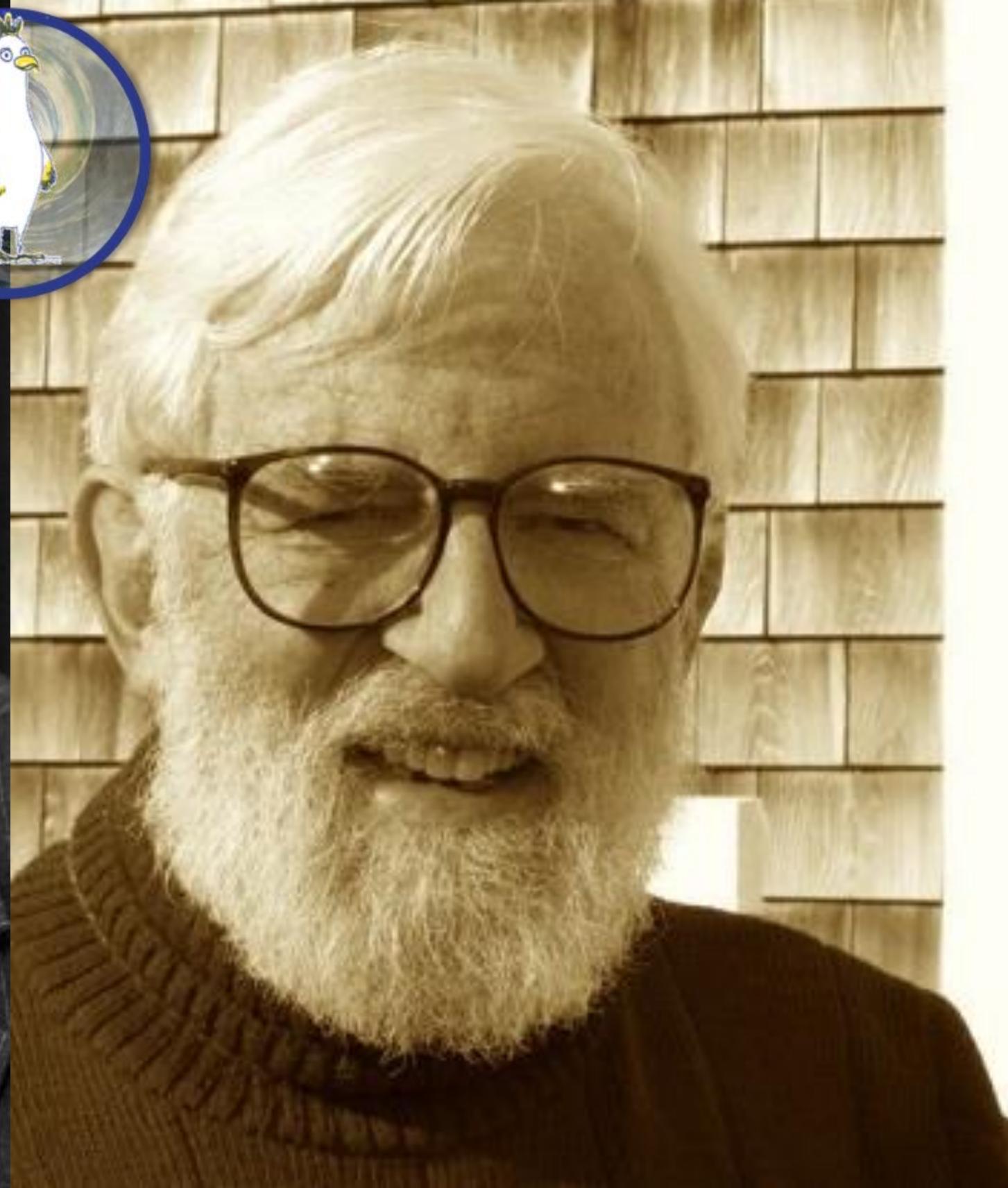


P
Le Pommier essai





William H. McNeill
(1917-2016)



Alfred Crosby Jr.
(1931-2018)

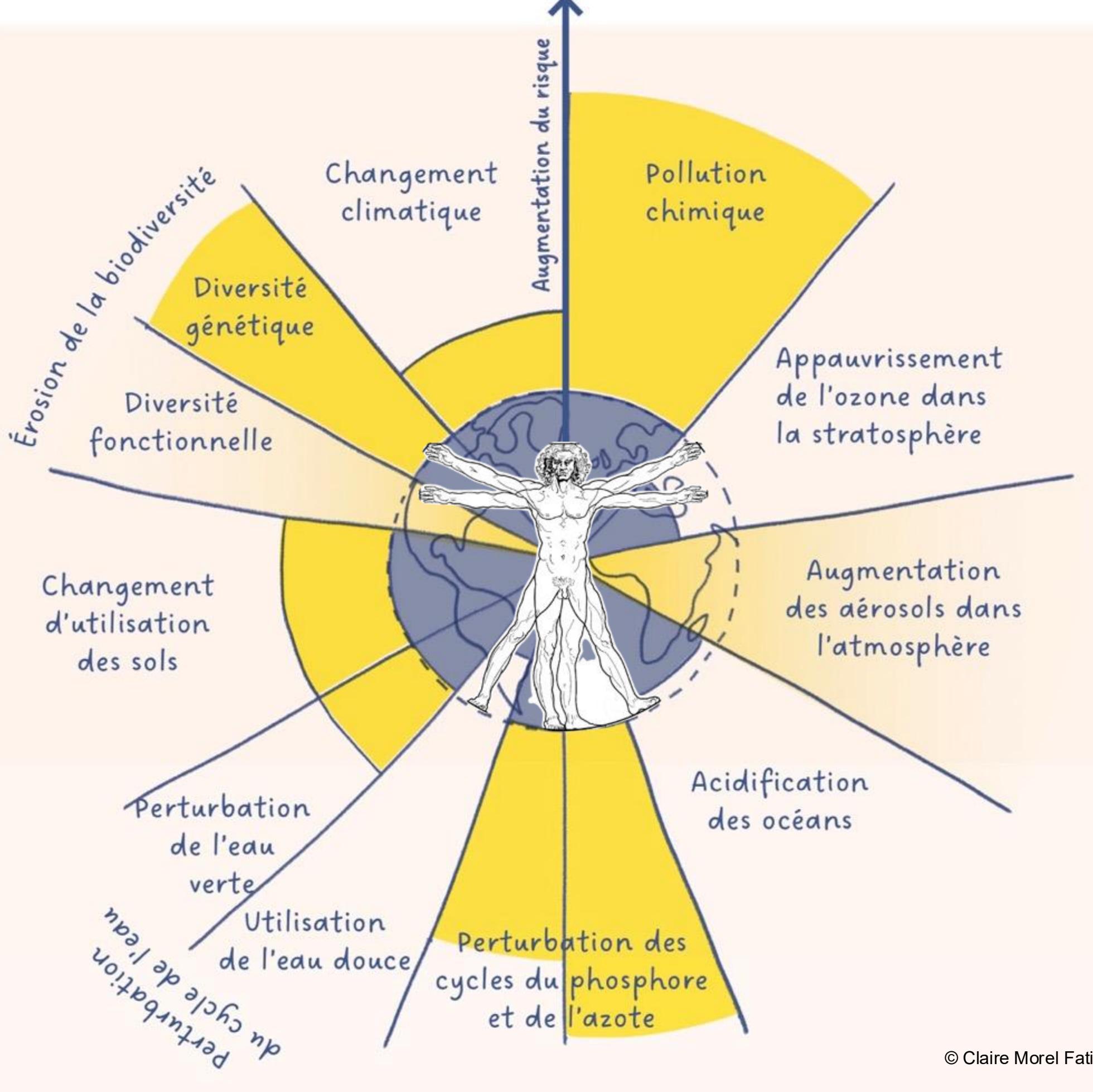


© Andre Mouton/Pixabay CC0



© Robert Owen-Wahl/Pixabay CC0

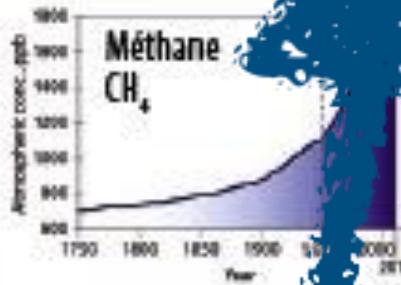
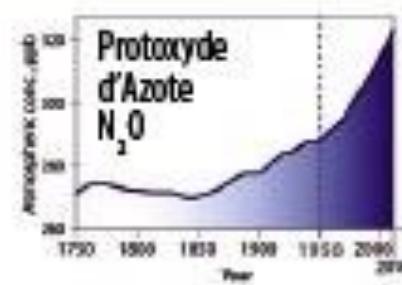
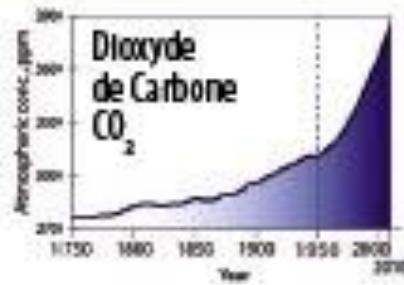




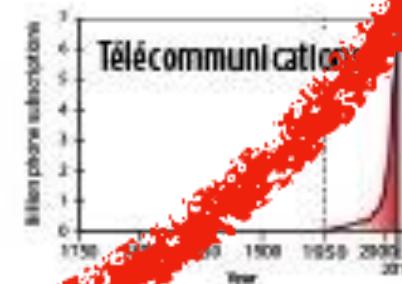
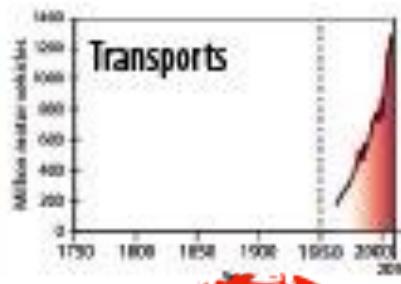
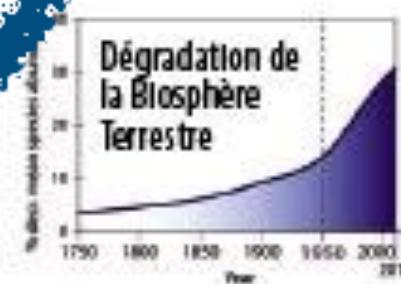
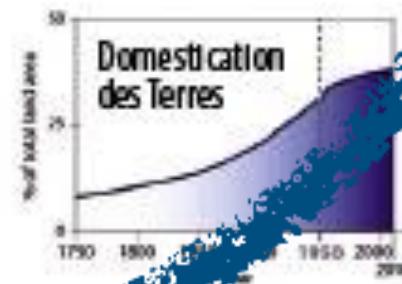
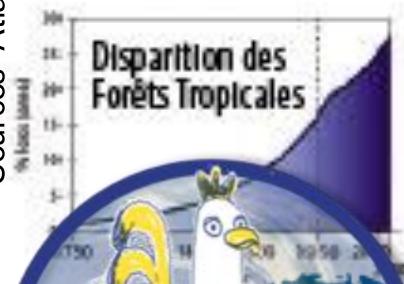
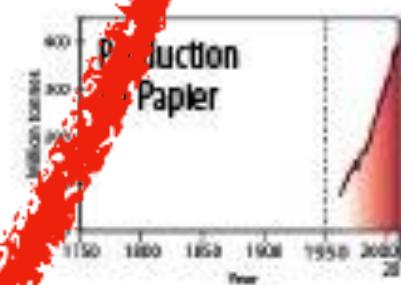
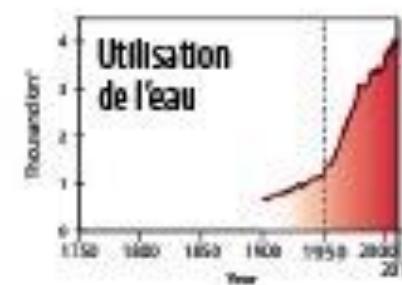
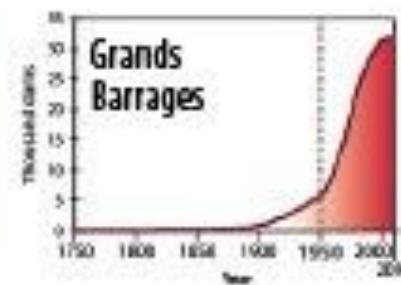
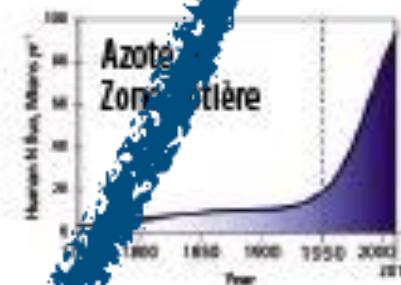
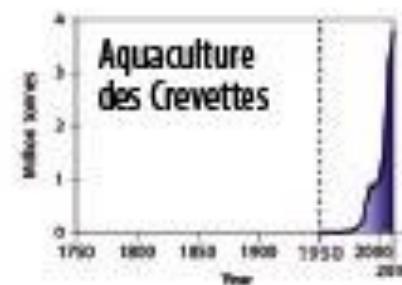
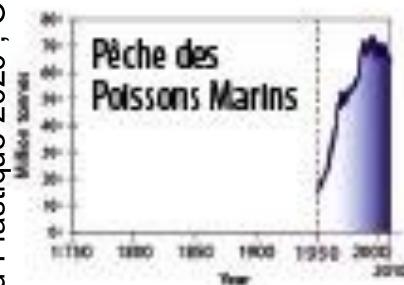
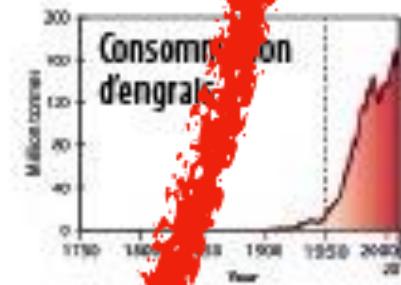
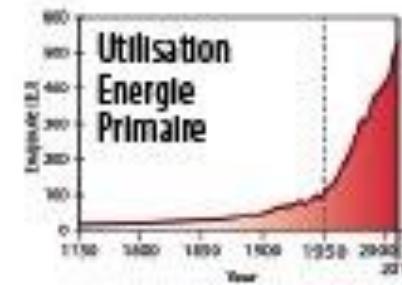
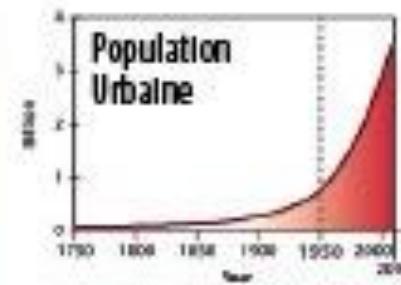
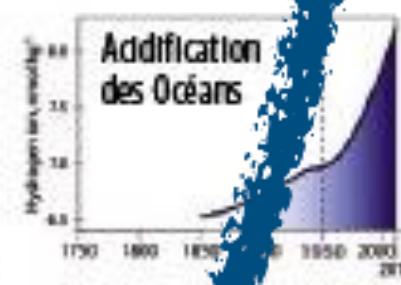
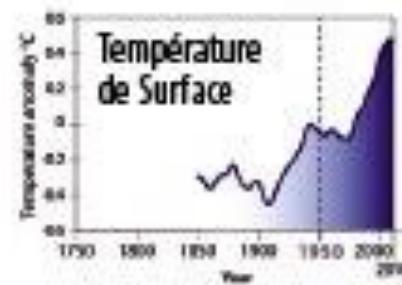
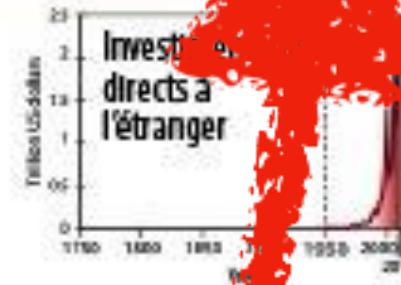
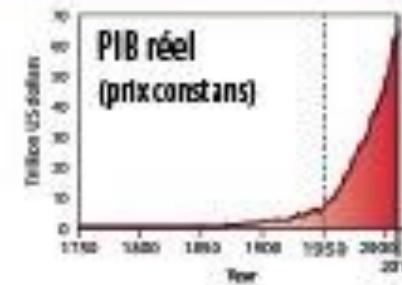
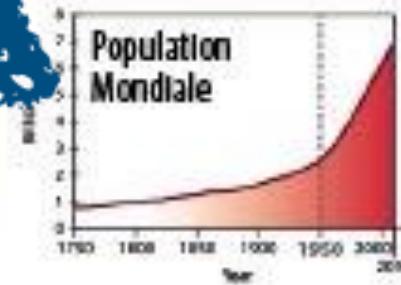
© Claire Morel Fatio/Payot



Tendances système terre



Tendances socio-économiques



1970 2020

Sources : Our World in Data / L'atlas du plastique, Autrement, 2020. © La Fourche

PRODUCTION DE PLASTIQUE

35



MILLIONS DE TONNES

PRODUCTION DE PLASTIQUE

400



MILLIONS DE TONNES

ÉNERGIES RENOUVELABLES

5,6%



ÉMISSIONS DE CO²

15



ILLIARDS DE TONNES

ÉNERGIES RENOUVELABLES

10,9%



ÉMISSIONS DE CO²

36



ILLIARDS DE TONNES

PRODUCTION DE VIANDE

100



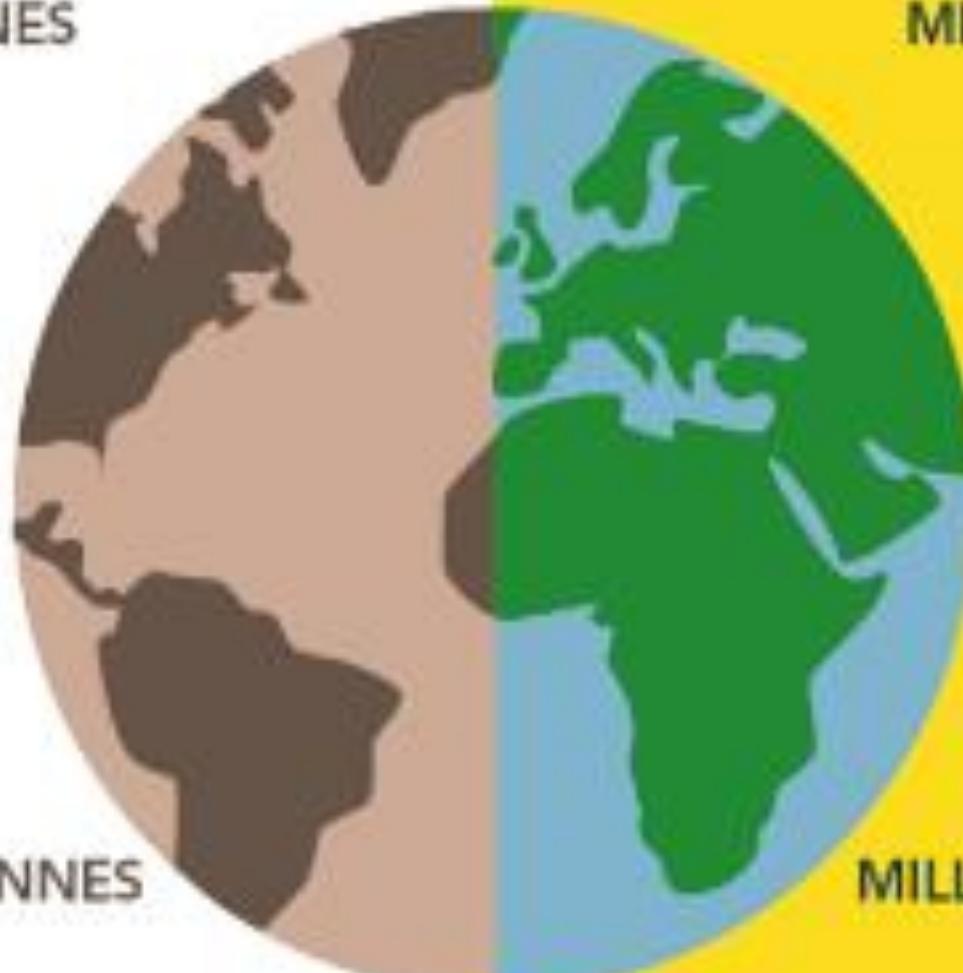
ILLIARDS DE TONNES

PRODUCTION DE VIANDE

341

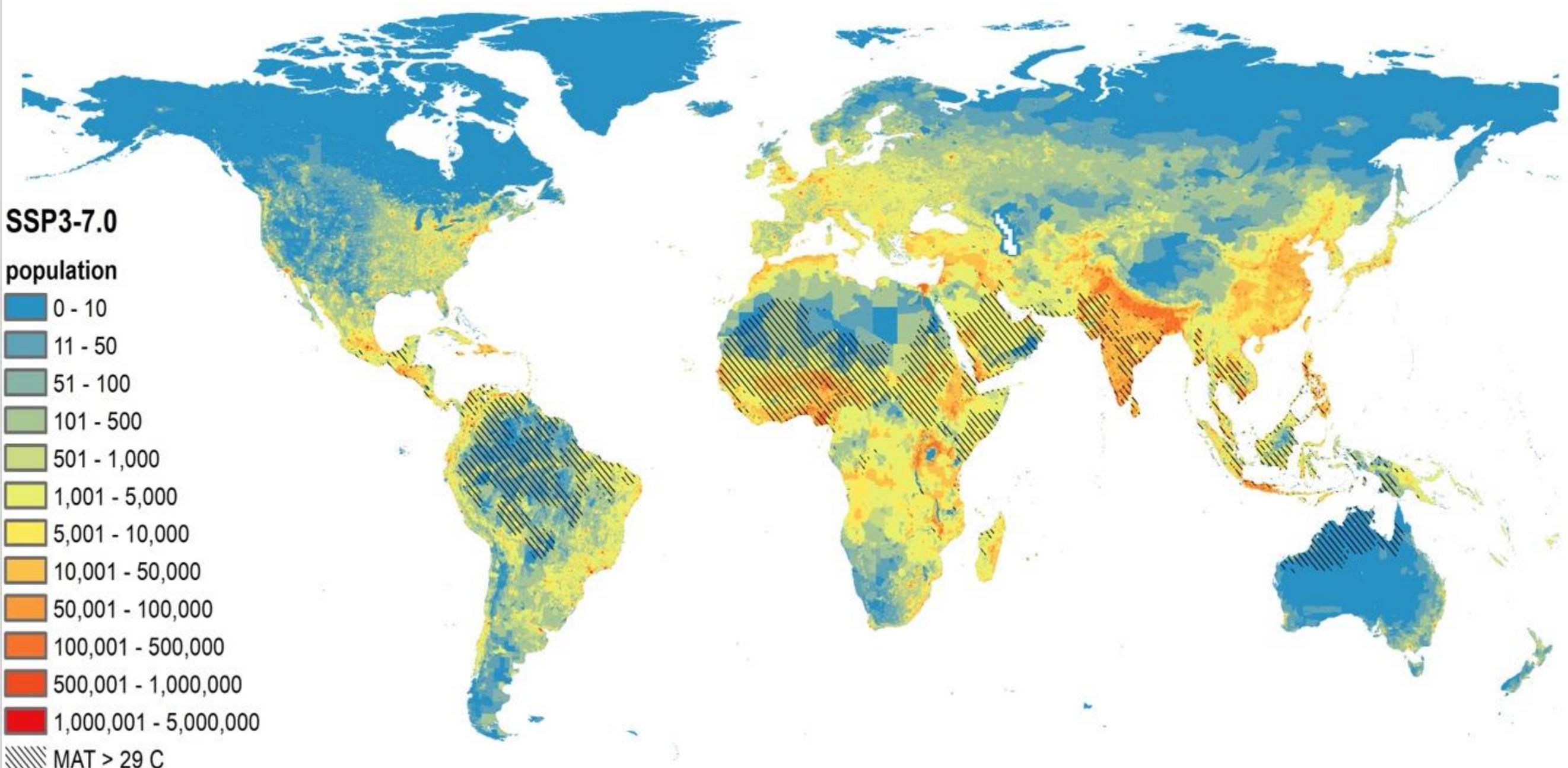


ILLIARDS DE TONNES



© Laurent Testot





Source : Luke Kemp, Chi Xu, Joanna Depledge, Kristie L. Ebi, Goodwin Gibbins, Timothy A. Kohler, Johan Rockström, Marten Scheffer, Hans Joachim Schellnhuber, Will Steffen, and Timothy M. Lenton (edited by Kerry Emanuel), «Climate Endgame: Exploring catastrophic climate change scenario », *PNAS*, 2022.

<https://www.pnas.org/doi/full/10.1073/pnas.2108146119>



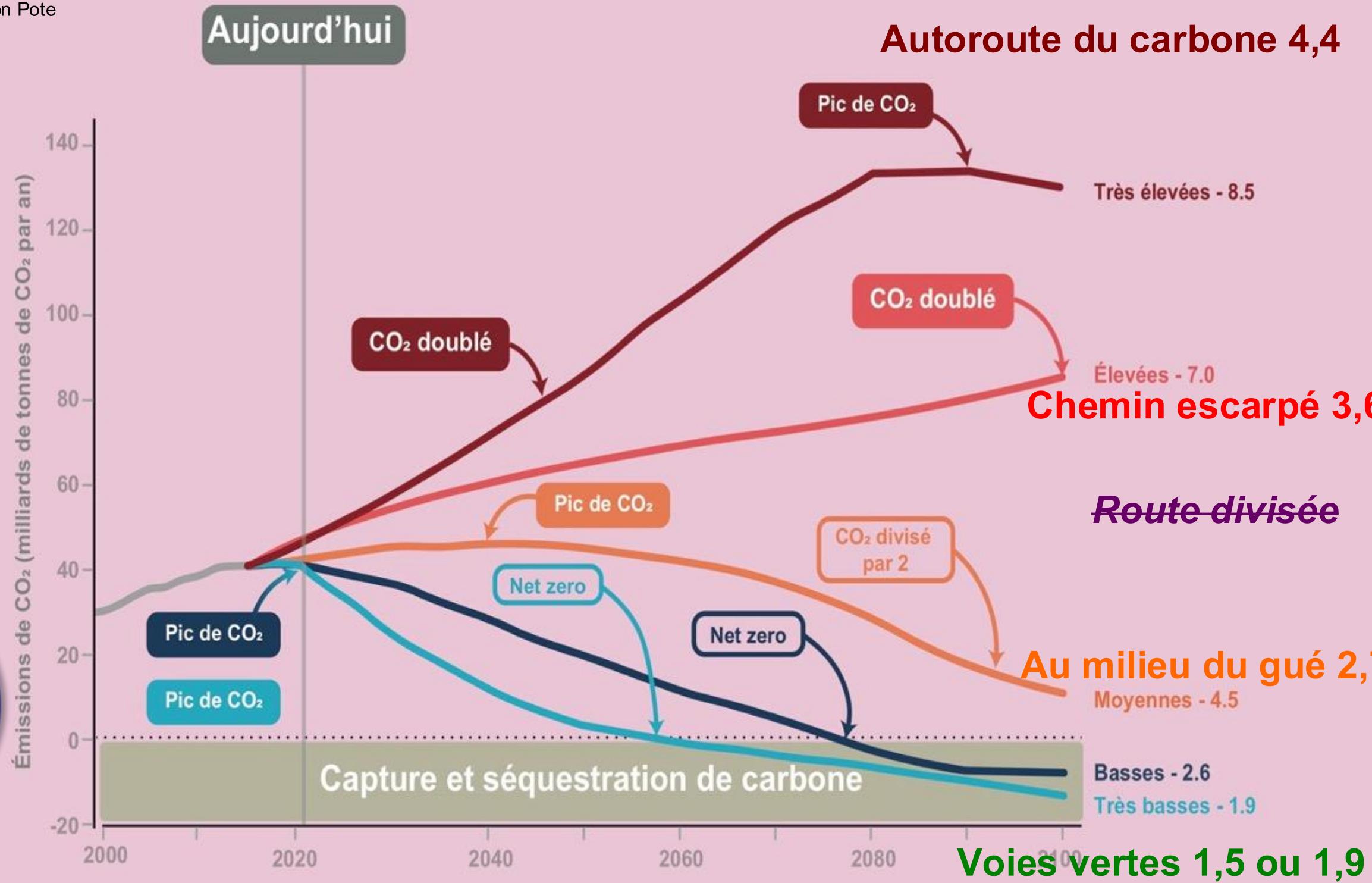


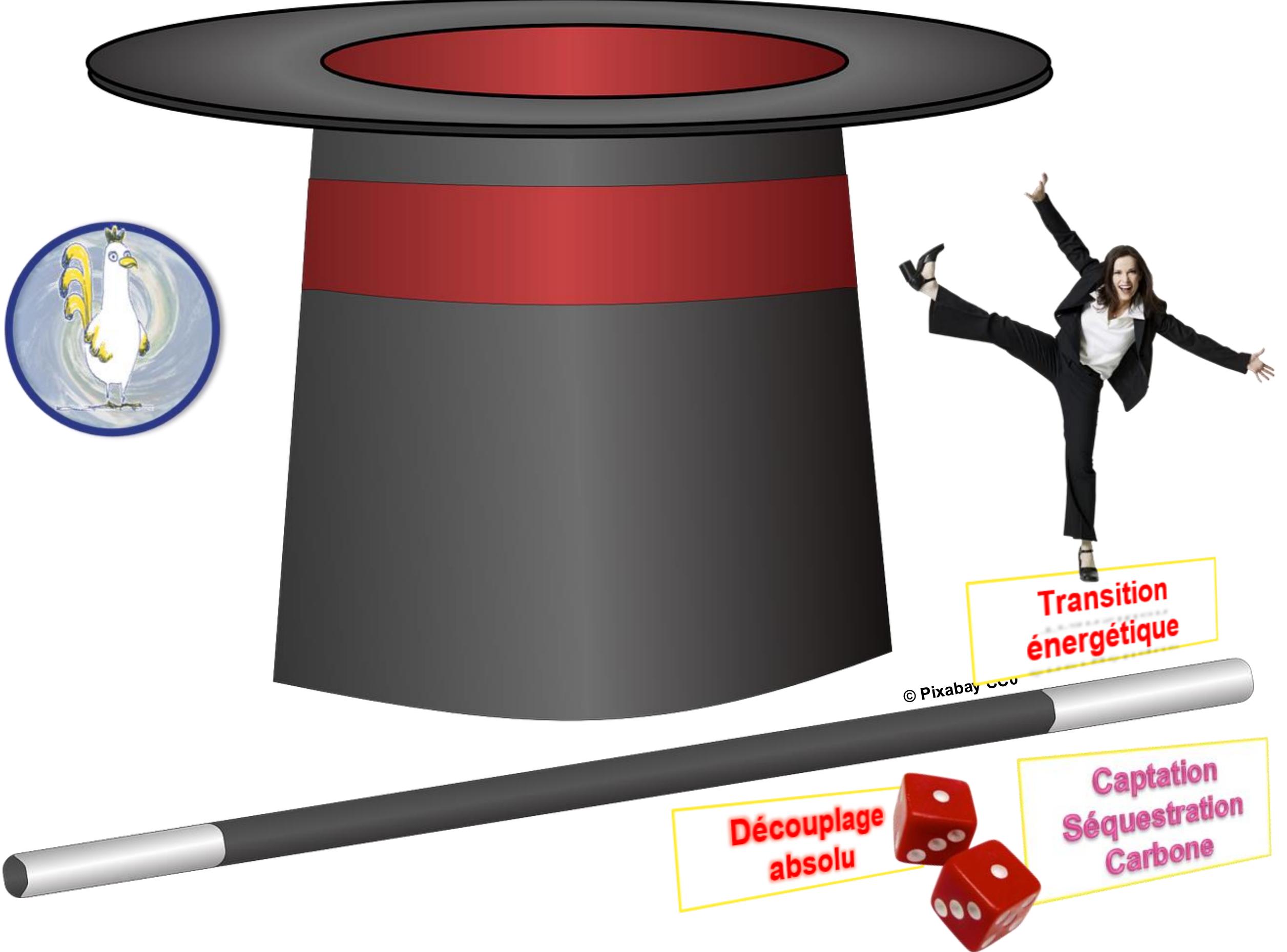
Trajectoires d'émissions

Différents développements socio-économiques incluant différents choix politiques, mènent à des trajectoires très différentes d'émissions de gaz à effet de serre et d'autres polluants atmosphériques dès aujourd'hui et pour le reste du siècle.

© GIEC/Bon Pote

Émissions de CO₂ annuelles pour les 5 principaux scénarios SSP







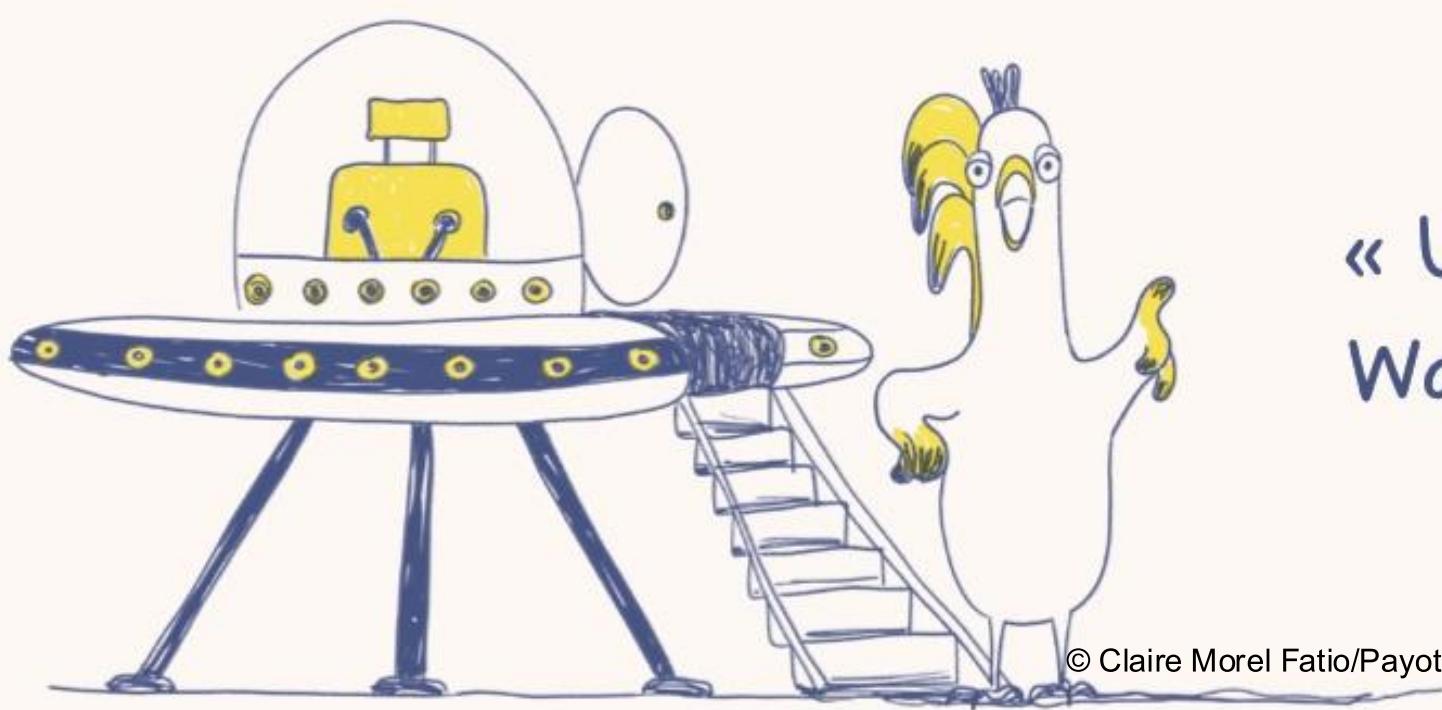


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Danny See Chuan Seng/Pixabay CC0





« Une époque à mon nom ?
Waouh ! trop cool ! »

© Claire Morel Fatio/Payot

© L214/Wikimedia CC3



© Laurent Testot





Albert Bierstadt, *The Landing of Columbus* (1892) [recadré].

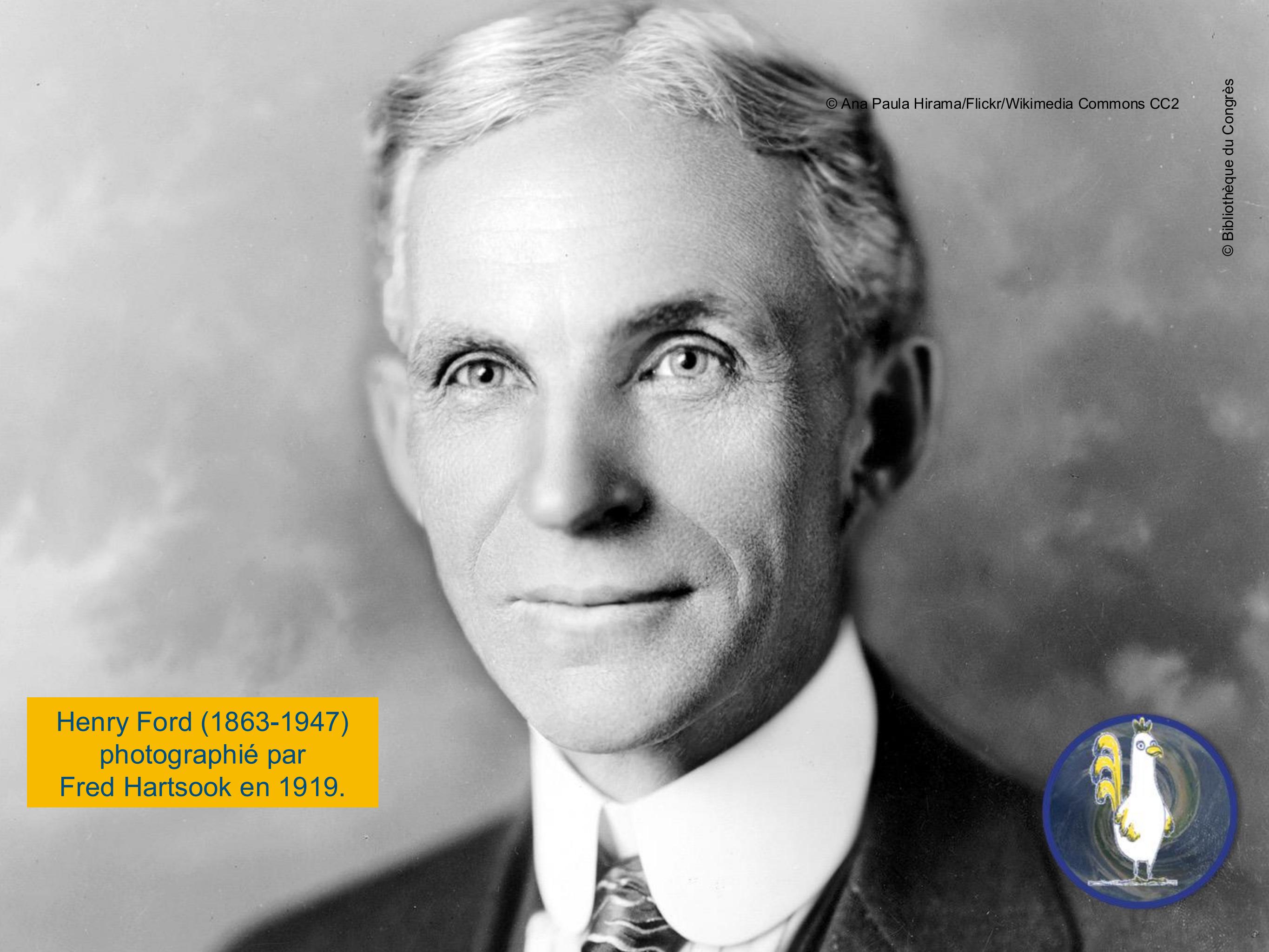




James Eckford Lauder, *James Watt and the Steam Engine:
The Dawn of the Nineteenth Century* (1855).





A black and white close-up portrait of Henry Ford. He has light-colored hair and is looking slightly to his left with a faint smile. He is wearing a dark suit jacket, a white shirt, and a striped tie.

© Ana Paula Hirama/Flickr/Wikimedia Commons CC2

Henry Ford (1863-1947)
photographié par
Fred Hartsook en 1919.





© United States Department of Agriculture/Wikimedia



DR

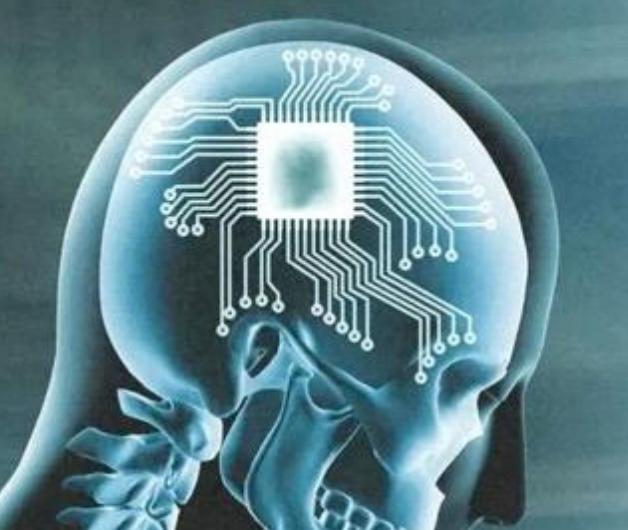


Fritz Haber (1868-1934), prix Nobel de chimie, bienfaiteur de l'humanité et criminel de guerre.











© Stephan Müller/Wikimedia Commons







©izoca/Pixabay CC0



Comment l'innovation peut-elle aider à faire
reculer les limites écologiques de la croissance ?

© AkshayaPatra Foundation/Pixabay CCO

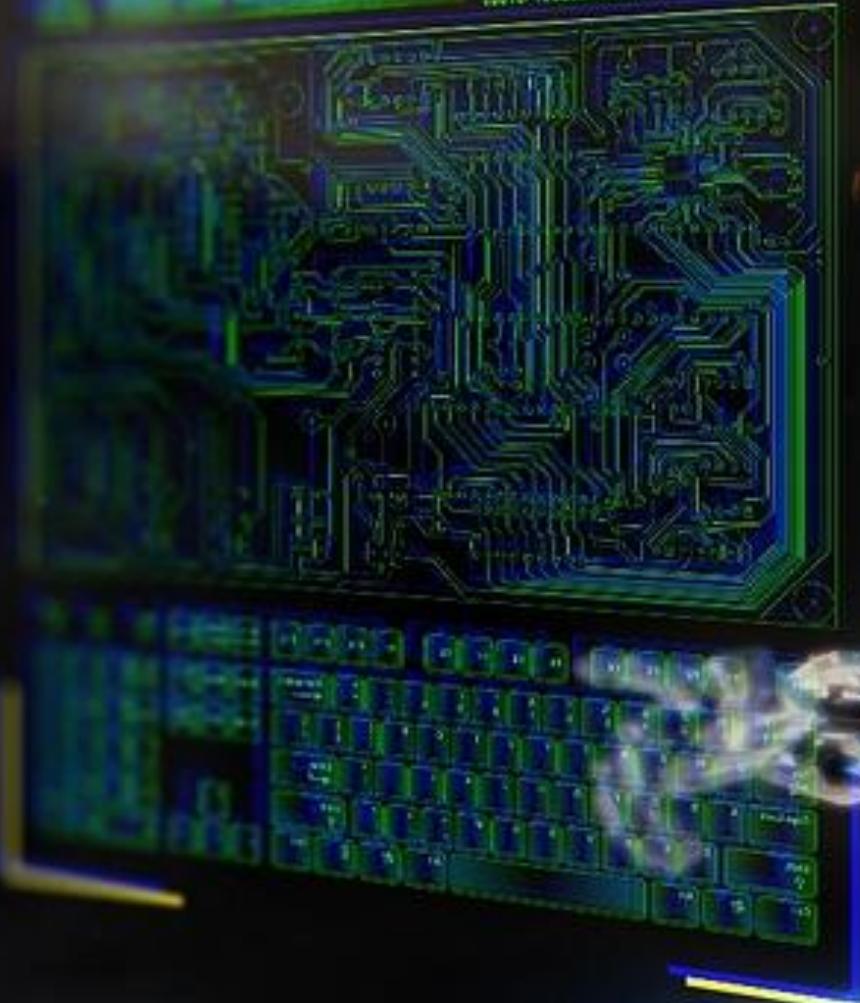


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-ONEVONTEDURGODLYHSHOLHZH01001102
CERB01001103HTEB01001104HTRH1001105H
FLD01001106HLD01001107HSD01001108H
TMR01001109HES01001110HET01001111H
AFT01001112HDD01001113HTW01001114H
PDT01001115HPT01001116HSD01001117H
DZU01001118HSD01001119HSD01001120H
DTH01001121HSD01001122HSD01001123H
HRT01001124HES01001125HSD01001126H
RTE01001127HES01001128HSD01001129H
GZI01001130HSD01001131HSD01001132H
FELD01001133HSD01001134HSD01001135H
DTH01001136HSD01001137HSD01001138H





© Laurent Testot



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Un futur désirable... La science
a encore ça en stock ?

Ça dépendra de vous...

Quant à moi, j'aurai
toujours une planète B.

© Claire Morel Fatio/Payot

... et de la façon dont vous arriverez
à le mettre hors d'état de nuire



A world map with a grid overlay, showing various regions and flight paths. Overlaid on the map is a dense web of handwritten text in blue ink, discussing the social, economic, and environmental impacts of supersonic transport like Concorde. The text covers topics such as sonic booms, fuel costs, aircraft noise, and the impact on local populations. A yellow box in the bottom right corner contains the text 'Articuler les échelles...'.

© Gerd Altmann/ Pixabay CC0

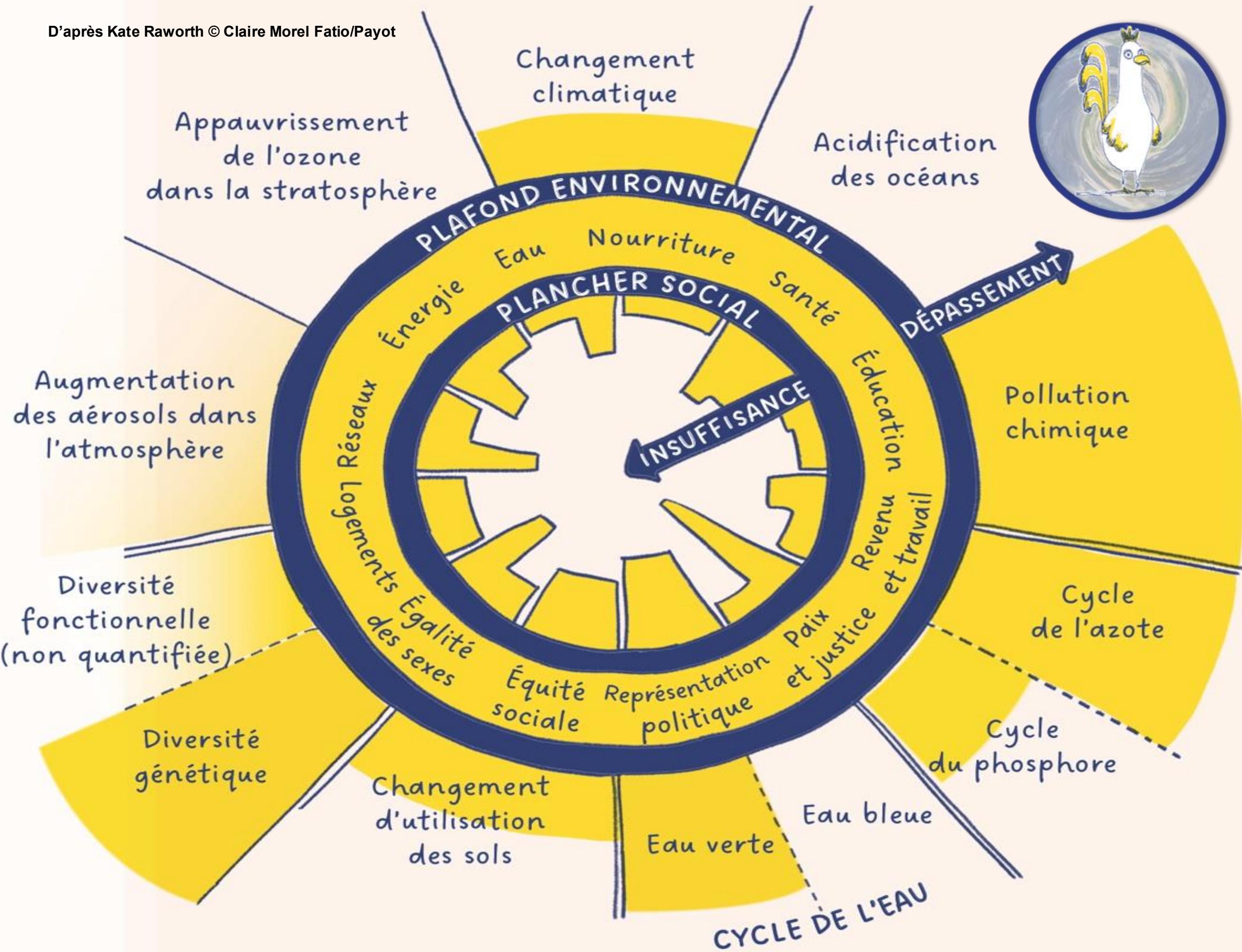
Articuler les échelles...

particuler les échelles...

.. du local au global

© Sasin Tipchai/Pixabay CC0







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DR





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Face à ce Vortex

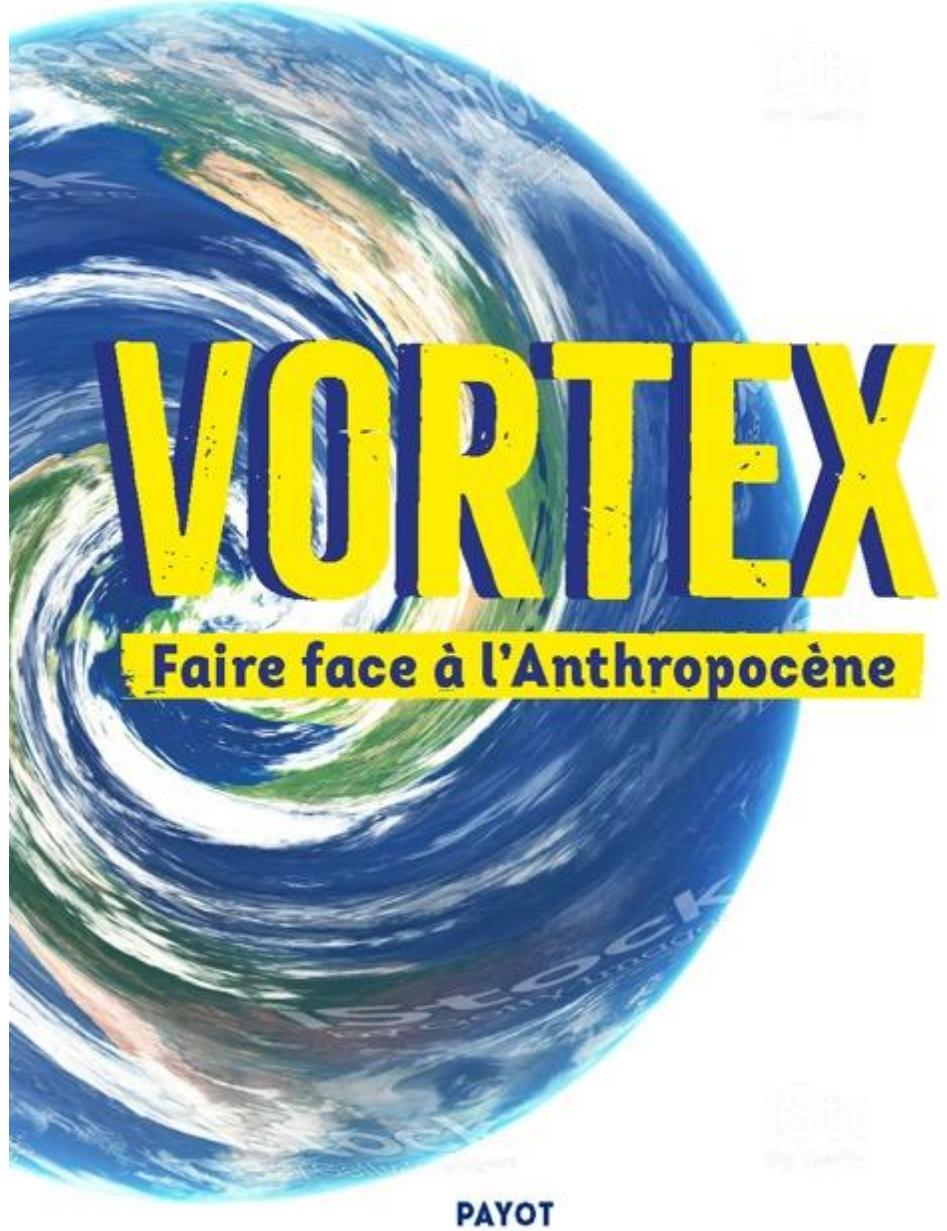
Il faut 1) une prise de conscience
des opinions publiques

Pour obliger

- 3) aux firmes
de préserver
l'habitabilité
de la Terre
- 2) les instances
politiques à
s'organiser
pour la survie
de l'humanité



Laurent Testot
Nathanael Wallenhorst



Résumons :
Le futur n'est pas écrit,
créons-le.

Un immense merci
pour votre attention !



ltestot@gmail.com