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INSTITUT  
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GRÈCE

ΣΤΡΟΓΓΥΛΗ ΤΡΑΠΕΖΑ  
TABLE RONDE

05.11.2015, 19.00

Η ΠΡΟΚΛΗΣΗ ΤΗΣ ΠΡΟΣΑΡΜΟΓΗΣ  
ΣΤΗΝ ΚΛΙΜΑΤΙΚΗ ΑΛΛΑΓΗ ΚΑΙ ΤΟ COP21  
LES ENJEUX DE L'ADAPTATION  
AU CHANGEMENT CLIMATIQUE ET LA COP21

[www.cop21paris.org](http://www.cop21paris.org)

Διοργανωτ | Organisation



ΤΡΑΠΕΖΑΤΗΣ ΕΛΛΑΣΟΣ  
ΕΥΡΩΣΤΗΤΙΚΑ



ΕΠΙΤΡΟΠΗ  
ΜΕΤΑΞΥ  
ΜΕΣΟΓΕΙΟΥ  
ΚΑΙ ΜΑΣΙΔΙΚΟΥ  
ΒΑΛΑΓΡΑΚΙ



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PARIS2015  
UN CLIMATE CHANGE CONFERENCE  
COP21-CMP11

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European Centre for Medium-Range Weather Forecasts (ECMWF)



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Des engagements ambitieux de reduction  
des émissions des gaz à effet de serre

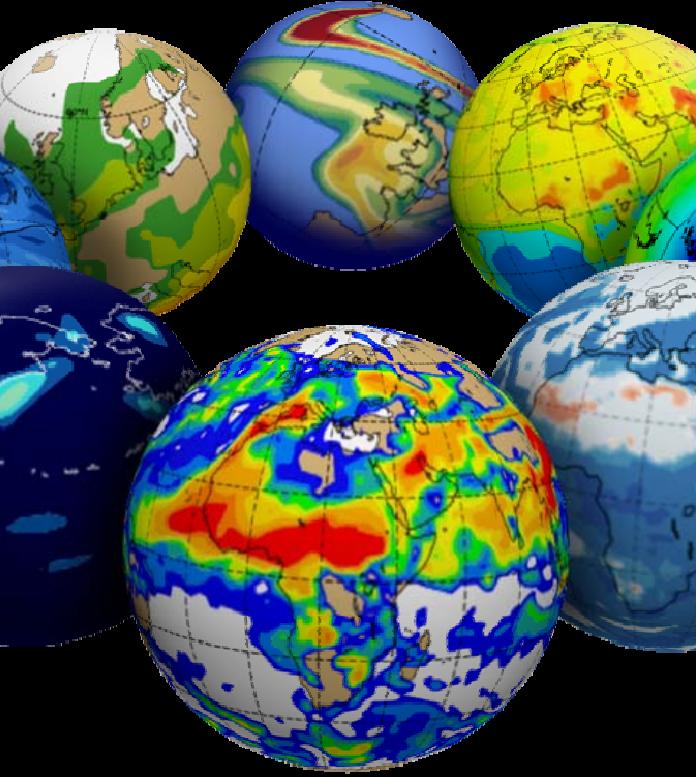


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The European Earth Observation Programme

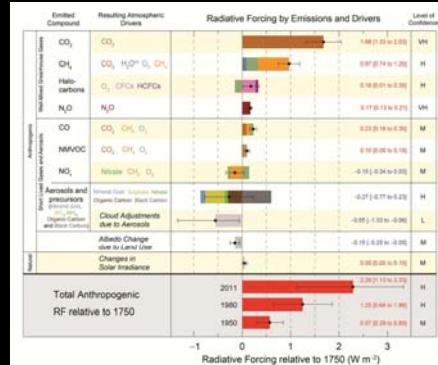


Les "Sentinelles"


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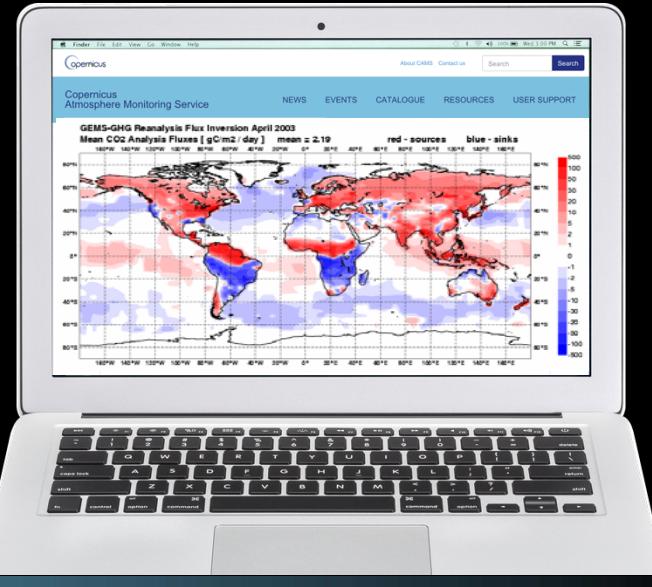
“...On ne peut gérer que ce qu'on peut mesurer...”

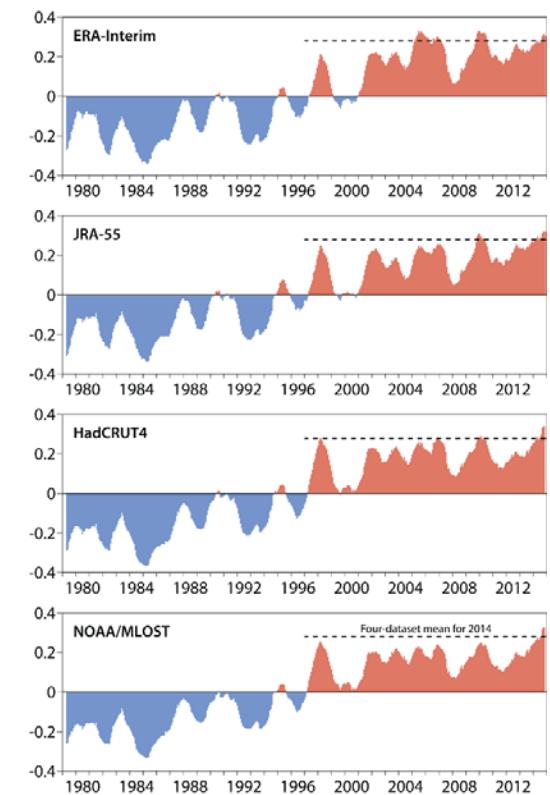
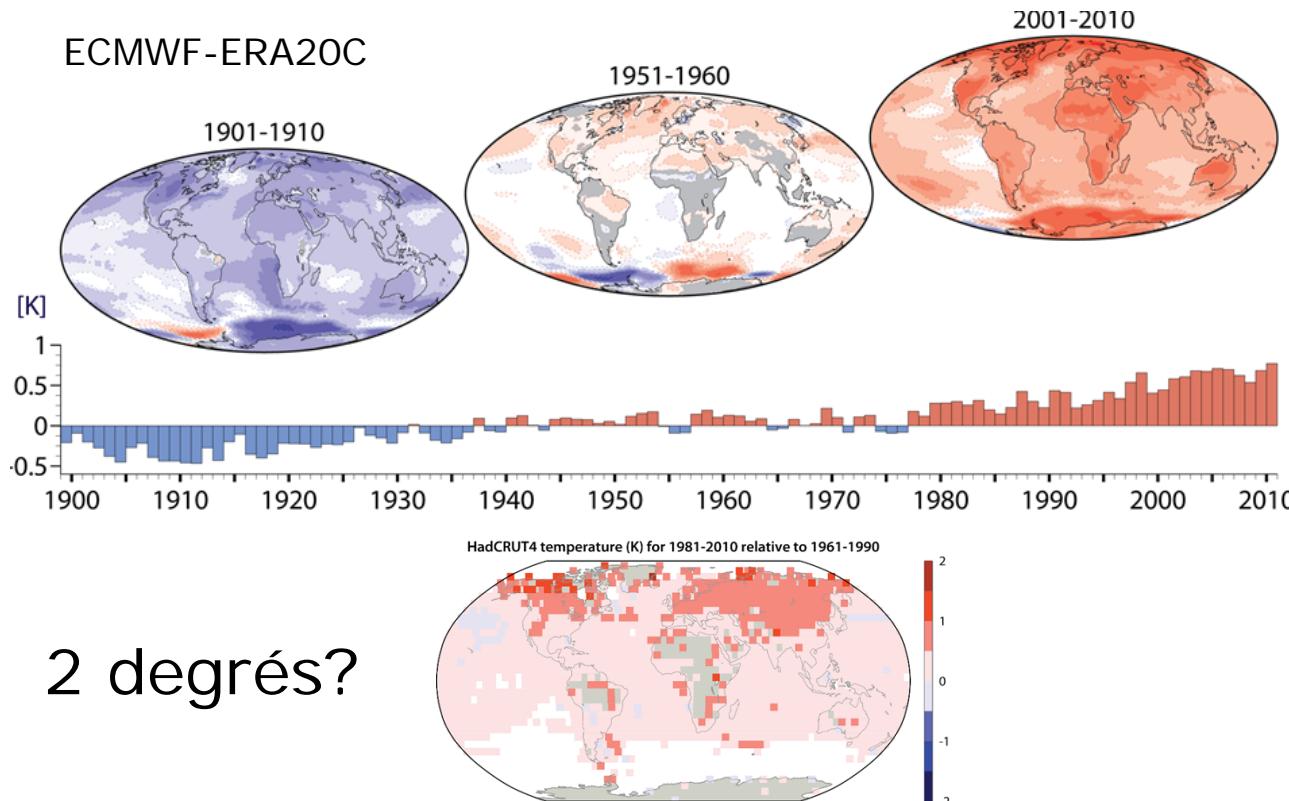


| Emitted Compound                           | Resulting Atmospheric Drivers   | Radiative Forcing by Emissions and Drivers                                | Level of Confidence |
|--|---|---|---------------------|
| $\text{CO}_2$                              | $\text{CO}_2$   | -1.68 (-1.03 to -2.03)  | H                   |
| $\text{CH}_4$                              | $\text{CO}_2, \text{H}_2\text{O}, \text{O}_3, \text{CH}_4$  | 0.59 (0.74 to 0.88)   | H                   |
| Halogen<br>Gases                           | $\text{O}_3, \text{CFCs}, \text{HCFCs}$   | +0.14 (+0.01 to 0.38)   | M                   |
| $\text{N}_2\text{O}$                       | $\text{N}_2\text{O}$  | +0.17 (0.12 to 0.27)  | H                   |
| $\text{CO}$                                | $\text{CO}_2, \text{CH}_4, \text{O}_3$  | -0.22 (-0.18 to -0.36)  | M                   |
| MMVOC                                      | $\text{CO}_2, \text{CH}_4, \text{O}_3$  | -0.16 (0.05 to 0.16)  | M                   |
| $\text{NO}_x$                              | Nitrate, $\text{CH}_4, \text{O}_3$  | -0.10 (-0.34 to 0.00)   | M                   |
| Aerosols and<br>precursors                 | Direct Effect, Indirect<br>Effect, Cloud<br>Albedo, Project<br>Carbon<br>and Forest<br>Conversion | -0.27 (-0.17 to 0.27)   | H                   |
| Cloud<br>Adjustments<br>due to<br>Aerosols |   | -0.05 (-0.53 to -0.06)  | L                   |
| Albedo<br>Change<br>due to<br>Land Use     |   | -0.10 (0.00 to 0.10)  | M                   |
| Changes in<br>Solar<br>Insolation          |   | +0.00 (0.00 to 0.00)  | M                   |
| Total Anthropogenic<br>RF relative to 1750 | 2011, 1990, 1900  | -2.08 (-1.15 to -2.03),<br>-1.25 (-0.44 to -1.86),<br>0.87 (0.28 to 0.88) | H                   |

Radiative Forcing relative to 1750 ( $\text{W m}^{-2}$ )

IPCC, 5ème Rapport





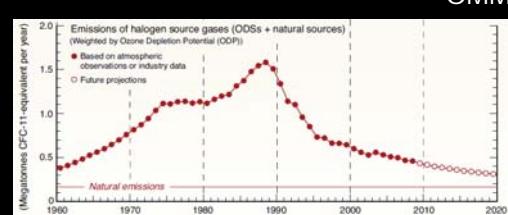
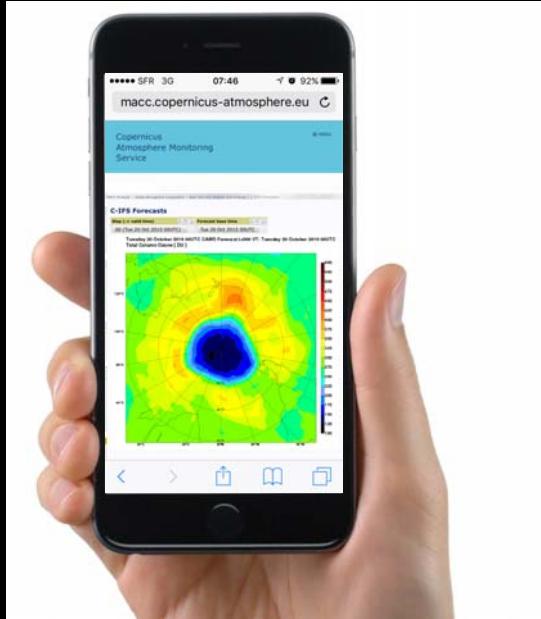


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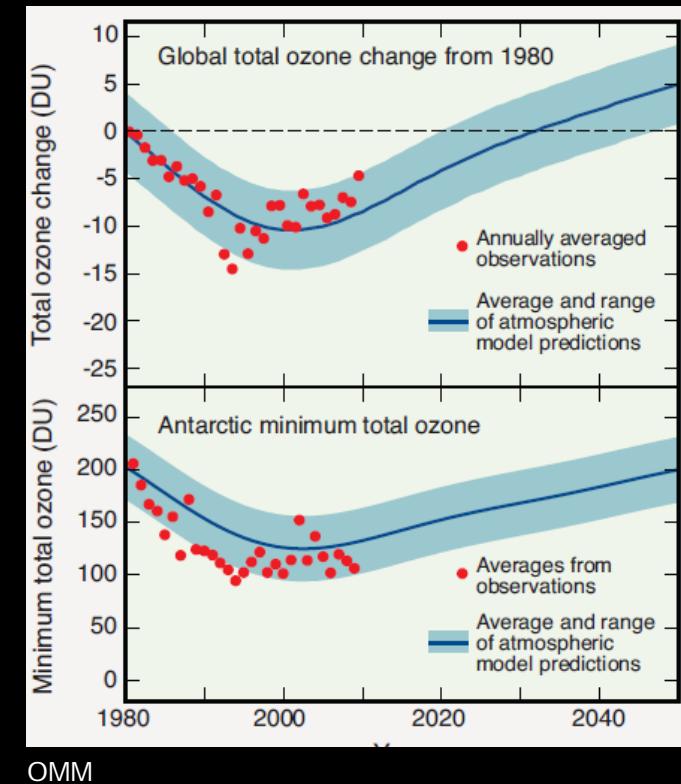
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“...Oui, c'est possible..."



La question du trou d'ozone et du protocole de Montreal fourni un exemple “en grandeur nature”





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