

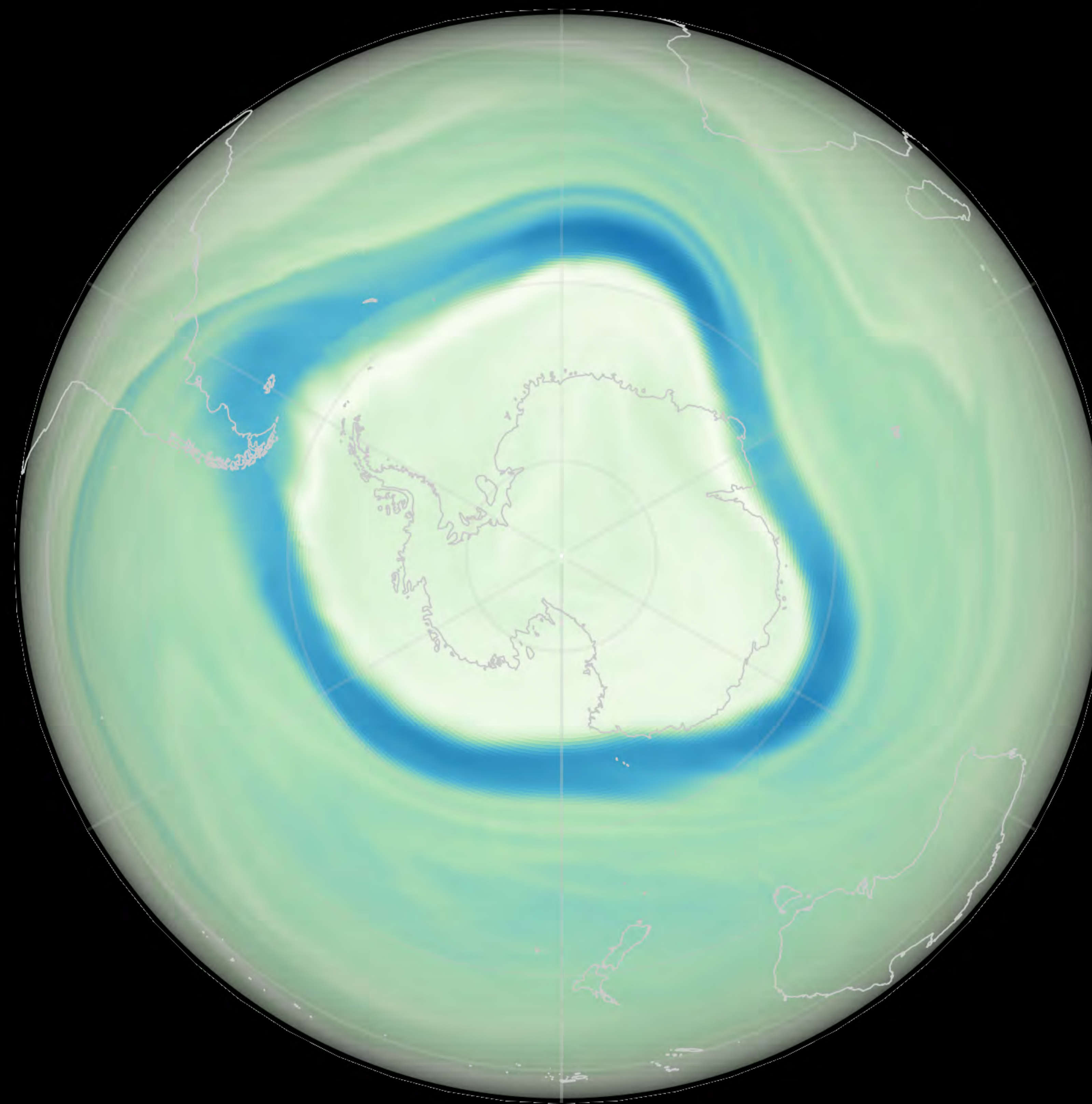


# Atmospheric composition modelling

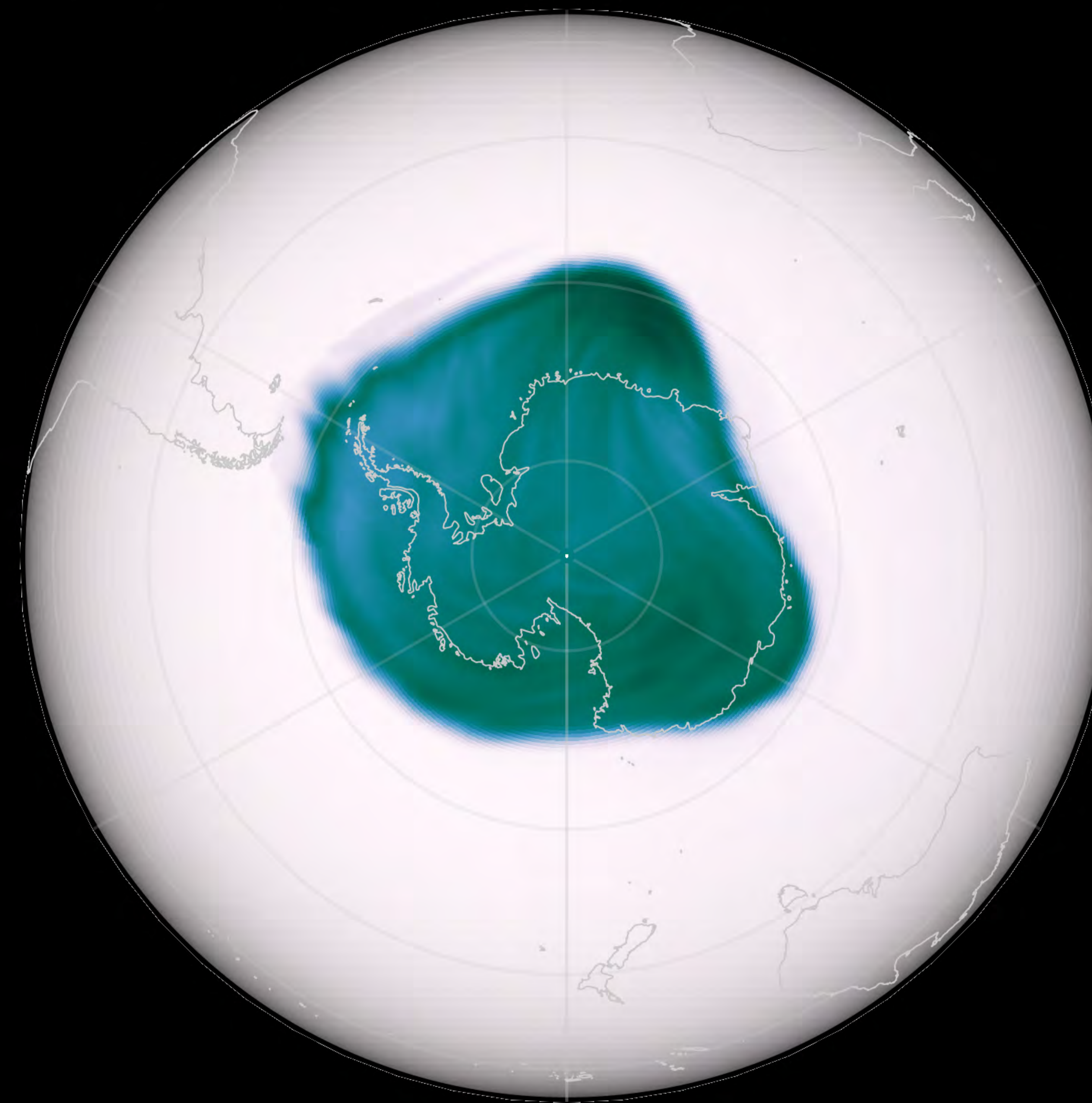
Modélisation de la composition de l'atmosphère Modelling van de atmosferische samenstelling

## Ozone depleting substances 27 Aug 2024

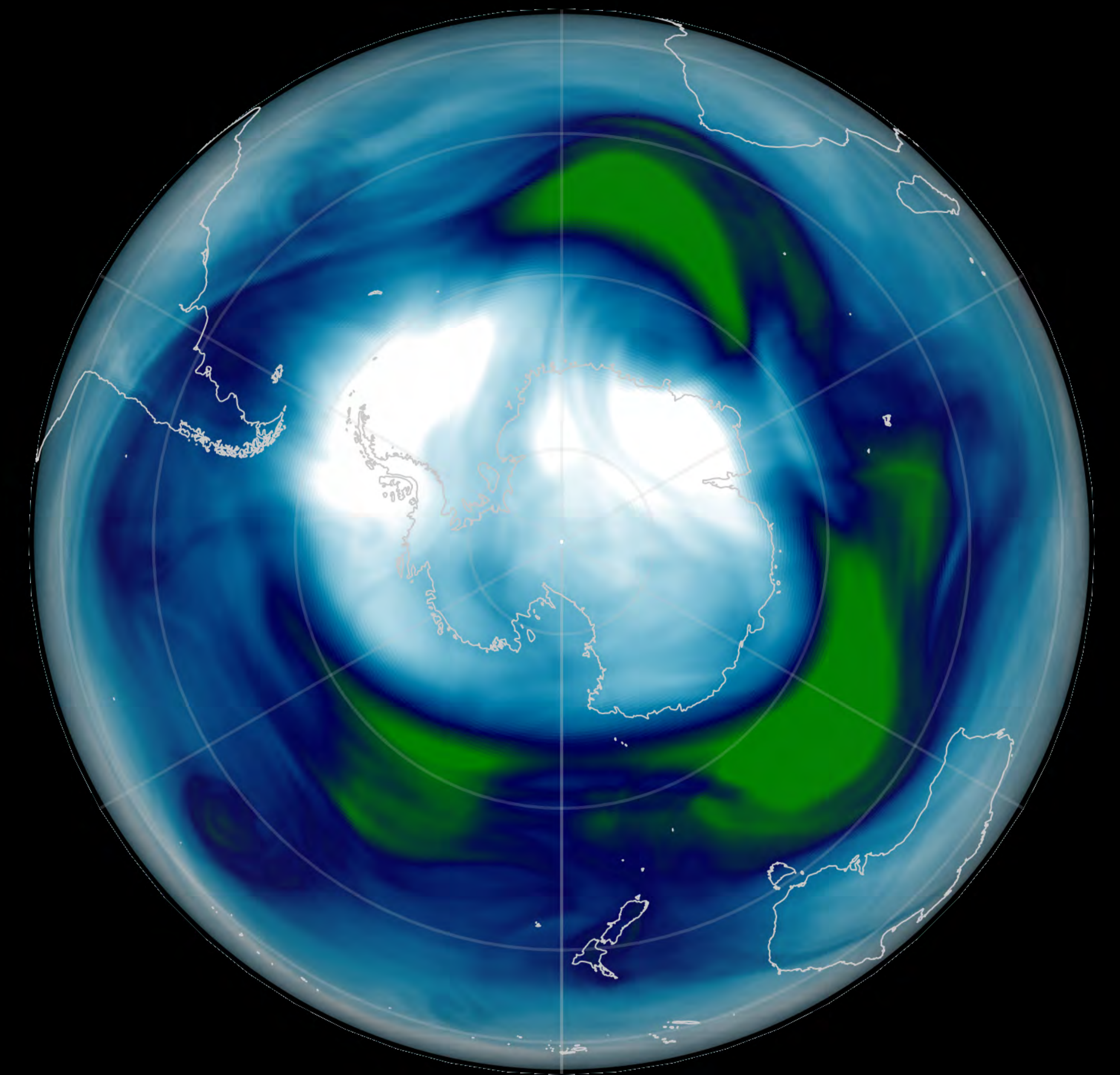
reservoir (HCl + ClONO<sub>2</sub>) and active (Cl + 2Cl<sub>2</sub> + ClO + 2Cl<sub>2</sub>O<sub>2</sub>) chlorine



HCl + ClONO<sub>2</sub> at 50hPa  
0 1 2 3  
ppbv



Cl + 2Cl<sub>2</sub> + ClO + 2Cl<sub>2</sub>O<sub>2</sub> at 50hPa  
0.0 0.5 1.0 1.5 2.0 2.5  
ppbv



total column ozone  
250 300 350 400  
DU

Data: CAMS/C3S • Credit: CAMS/ECMWF

Modelling is used to better understand atmospheric phenomena such as the degradation and subsequent recovery of the stratospheric ozone layer.

La modélisation est utilisée pour mieux comprendre les phénomènes atmosphériques tels que la dégradation de la couche d'ozone stratosphérique et ensuite sa restauration.

Modelling wordt gebruikt om atmosferische verschijnselen zoals de afbraak en het daaropvolgende herstel van de stratosferische ozonlaag beter te begrijpen.



aeronomie.be