







→ THE EUROPEAN SPACE AGENCY

European Space Agency (ESA) Opening

Dr Rune Floberghagen Head of the Climate Action, Sustainability and Science Department Directorate of Earth Observation Programmes

| BIOSPACE25 - Biodiversity Insight from Space | 10-14 February 2025 | ESA-ESRIN | Frascati - Italy |

ESA UNCLASSIFIED - For ESA Official Use Only

GLOBAL WARMING

Climate Change is one of the various factors impacting biodiversity loss

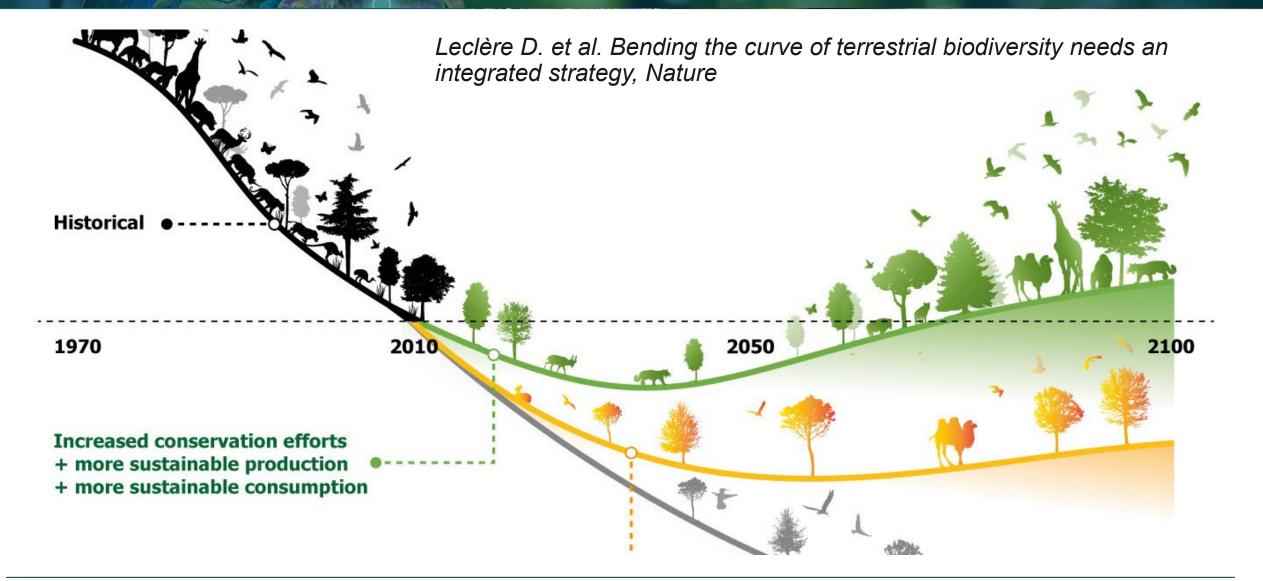
Global warming and biodiversity loss 1970 – 2018

Global Warming Stripes. #showyourstripes. Data Source UK Met Office CC BY 4.0 From biodiversitystripes info Data: LPI 2022. Living Planet Index http://stats.livingplanetindex.org/

GLOBAL BIODIVERSITY LOSS

biodiversitystripes.info and LPI 2024, Living Planet Index database. (www.livingplanetindex.org)

EO at the Service of Biodiversity: Tackling Biodiversity Loss



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One Planet, One Goal: United for Biodiversity Conservation



DG RTD, Patrick Child, Earth System Science Initiative. Jan 2020.



DG CLIMA, Kurt Vandenberghe, unite on climate actions from space. Nov 2023.



UNEP, Inger Andersen, environment protection and restoration. Dec 2023.

Other major international collaborations:



Fundamental coordination with DG ENV

(Nature Restoration Regulation, EU Deforestation Regulation, Nature Finance, Zero-Pollution)

Other major EU collaborations: DG DEFIS, DG JRC, DG AGRI, DG INTPA, DG CONNECT, DG ESTAT, EEA, EMSA.



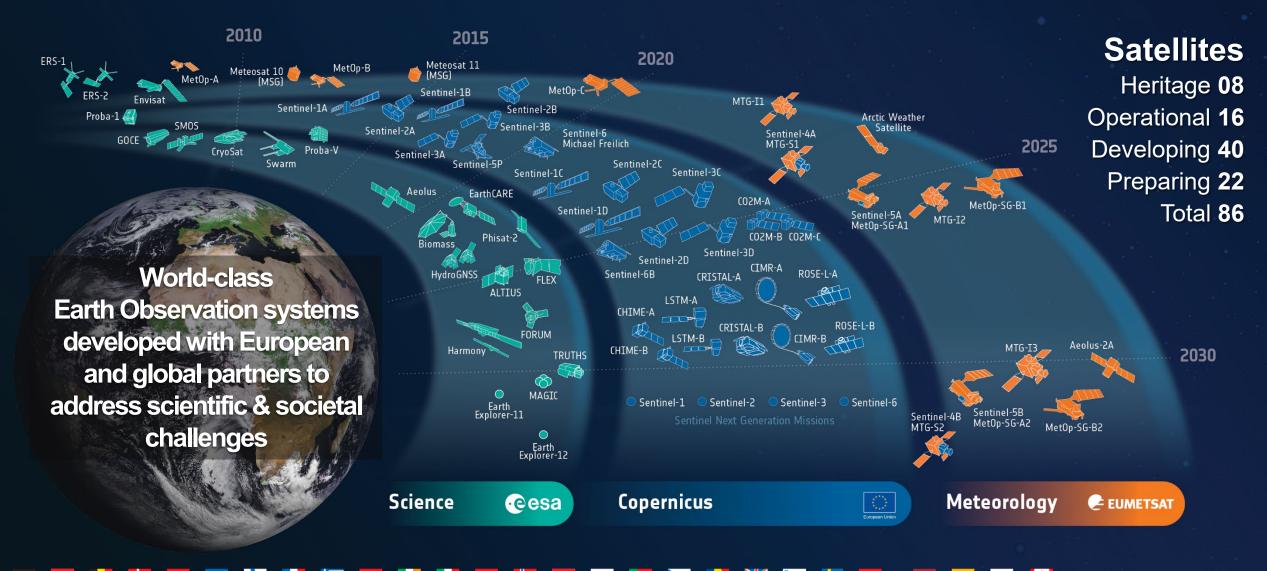
ESA-EC Earth System Science Initiative FLAGSHIPS ACTIONS





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Unlocking the full potential of Earth Observation for biodiversity conservation



Earth Explorers

Pioneering Scientific and Technical Excellence

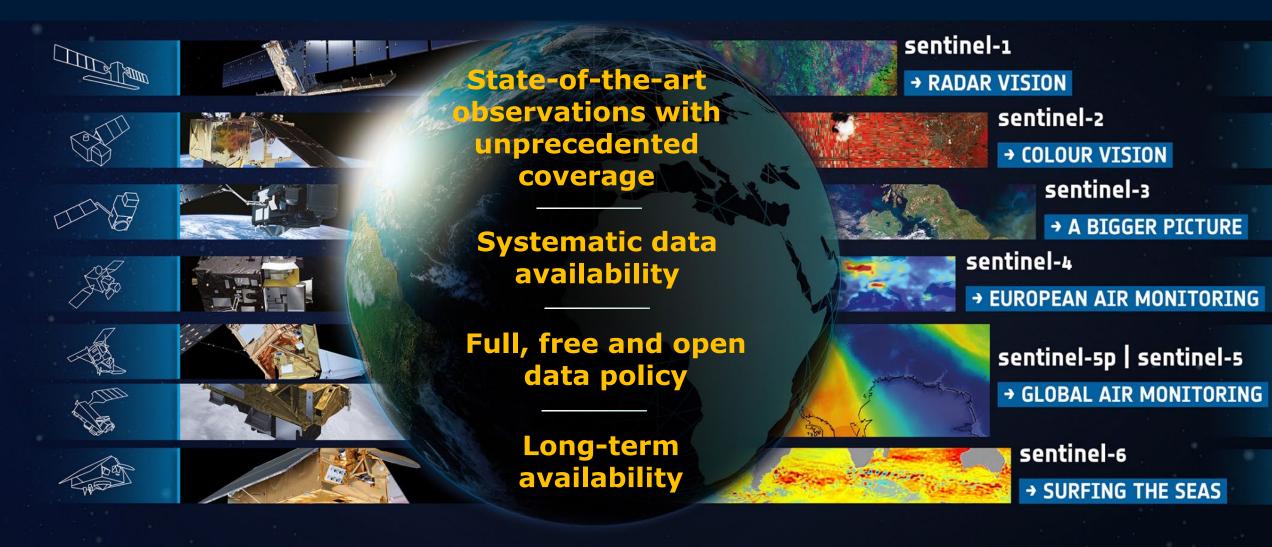


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The European Copernicus Programme





→ Know more: <u>https://copernicus.eu</u> and <u>https://sentinels.copernicus.eu</u>

Copernicus Space Evolution





PROGRAMME OF THE EUROPEAN UNION

co-funded with •





Earth Action - the approach





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"Making Peace with Nature is the Defining Task of the 21st century"

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António Guterres UN Secretary-General

New York, 2 December 2020

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