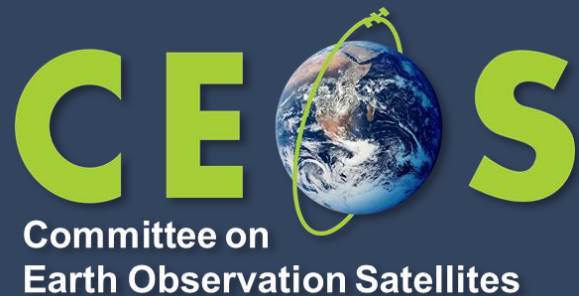


UK Space Agency 2025 CEOS Chair



Paul Bate

UKSA

Agenda Item 10.3

CEOS Plenary 2024

22-24 October 2024

The UK Space Agency plays a major role in delivering the government's **National Space Strategy**.

We support a thriving space sector in the UK, which generates an annual income of over £17.5 billion and employs nearly 49,000 people across the country.

We support the UK Government to: **Boost Prosperity**, **Understand the Universe** and **Protect our planet and outer space**.

We achieve this by:

- **Catalysing investment** - driving long-term growth by funding space innovations that multiply the value of private capital and contracts secured by the UK space sector
- **Delivering missions and capabilities** - using space science, technology and data to deliver for citizens and expand humanity's understanding
- **Championing space** - breaking down barriers by inspiring people into STEM education and jobs, and attracting new space investors and customers

UKSA CEOS Chair Team



Dr. Paul Bate
UKSA CEO and
Incoming CEOS Chair



Harshbir Sangha
Director of EO, LEO and SSR
Deputy CEOS Chair



Beth Greenaway
Head of Earth
observation and climate



Shaneigh Turner
EO Climate lead



Niall Bradshaw
EO Senior lead for CEOS
and Copernicus



Patrick Gibson
EO Senior lead for
Climate

UK CEOS-GEO Office



Prof. John Remedios,
Head of National Centre for
Earth Observation (NCEO),
University of Leicester



Svetlana Zolotikova,
National Centre for Earth
Observation (NCEO)

Scientific & technical advice,
support for Theme implementation,
coordination with UK GEO activity.

Symbios

Stephen Ward

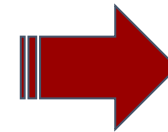
Matt Steventon

Libby Rose

Harvey Jones

‘Unlocking Earth Observation for Society’

- ❖ Explore strategies to bridge the gap between satellite EO data and services
- ❖ Learn from the experiences of CEOS Agencies and identify what we might do better together as an international community to maximise the uptake of EO data for societal impact.
- ❖ Four focus areas:
 1. Unlocking EO for Public Service
 2. Unlocking EO for the UNFCCC Global Stocktakes
 3. Unlocking EO for the Global Methane Pledge
 4. CEOS In Schools and Youth Summit



**Also support
JAXA SIT Chair
priorities**

Aim: Identify strategies to better bridge the gap between EO data and services for the public sector.

- ❖ Promote discussions on CEOS Agency national strategies following SIT-40
- ❖ Side meeting at SIT TW 2025, EUMETSAT – share agency activities and discuss what more CEOS can do in this space
- ❖ Short paper presenting findings on initiatives from across the CEOS community will be presented for CEOS Principal awareness at CEOS Plenary 2025.

Aim: Support and encourage sustained discussion and action on GST Lessons Learned recommendations through 2025

- ❖ EO can play a far greater role as we look ahead to GST-2
- ❖ JAXA SIT Chair and WGClimate working to address challenges
 - GST Lessons Learned; Updated CEOS GST Strategy
- ❖ Side meetings at:
 - WGClimate-22 (February 11-13, 2025; Harwell, UK)
 - ESA Living Planet Symposium (June 23-27, 2025; Vienna, Austria)
- ❖ Support JAXA SIT Chair efforts in this direction



Aim: CEOS facility-scale methane best practices included as a measurement standard in the framework of the Global Methane Pledge at UNFCCC COP30 (Brazil, Nov 2025)

- ❖ CEOS GHG TT preparing best practices for facility scale space-based methane measurements.
- ❖ UK National Physical Laboratory (NPL) is co-leading the effort alongside NASA -JPL.
- ❖ We hope to build momentum and join-up with our policy colleagues to push for these best-practices to be included as a measurement standard in the framework of Global Methane Pledge.
 - 30% reduction in Methane emissions by 2030 - 158 countries + European Union now participating.

Aim: Pilot a CEOS mechanism to inspire global youth collaboration in Earth Observation.

- ❖ Demonstrate how satellite EO can be used for the benefit of society:
 - Climate, environment, disasters
 - Highlight the power of international collaboration
- ❖ Inspire CEOS itself, by connecting with a younger generation to hear about their concerns and ideas.
- ❖ **There is still time to join us – please speak to the team if interested!**



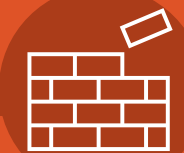
CEOS in schools pilot

- Engage young people from across CEOS countries
- Bring together for discussion and collaboration at 2 international workshops.
- Deliver a poster/ presentation and engage with CEOS experts at Youth Summit



Collation of materials

- Seek input from CEOS agencies to bring together open-access education materials into one easy-access place
- Support schools in accessing open-access materials

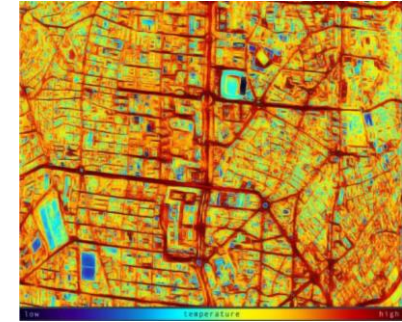


Legacy

- Maintain and regularly meet informal CEOS education group through the year
- Share ideas, learn lessons and build upon the work being done this year
- Explore appetite for education to remain a long-term CEOS priority

1. First international workshop: W/C 24th February

Workshop focus on Earth Observation and the **Urban environment**. The session will give students the opportunity to see the impacts of increased temperatures in the urban areas and discuss how EO can be used to mitigate the impacts.



Heat map of Urban city

2. Second international workshop: W/C 24th March

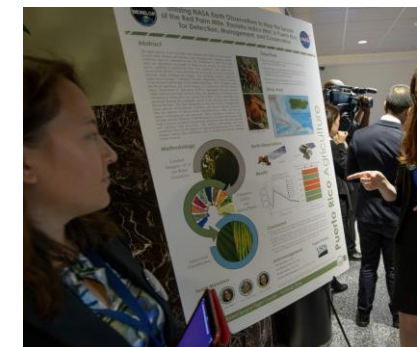
Second workshop focused on **Biodiversity**: Students will have the opportunity to explore changing habitats from Space, looking at case studies from different parts of the world. Students will then discuss solutions and actions that could be taken.



True colour image and false colour composite.

3. Student-led posters: March - June

Students will be tasked to create a poster on how Earth Observation could/is used in their local area.



4. CEOS hybrid Youth Summit: November

Providing an opportunity for dialogue and interaction between student participants and CEOS experts ahead of the CEOS Plenary meeting. Opportunity to present and discuss posters.

November Tues 4th – Thurs 6th, 2025

Bath, UK (a short train ride from London)

Please save the date!



[Source](#)

