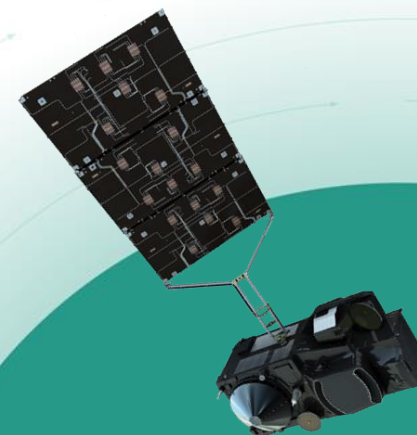
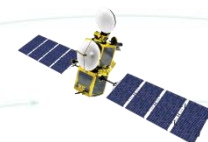


User support and training perspectives on R20

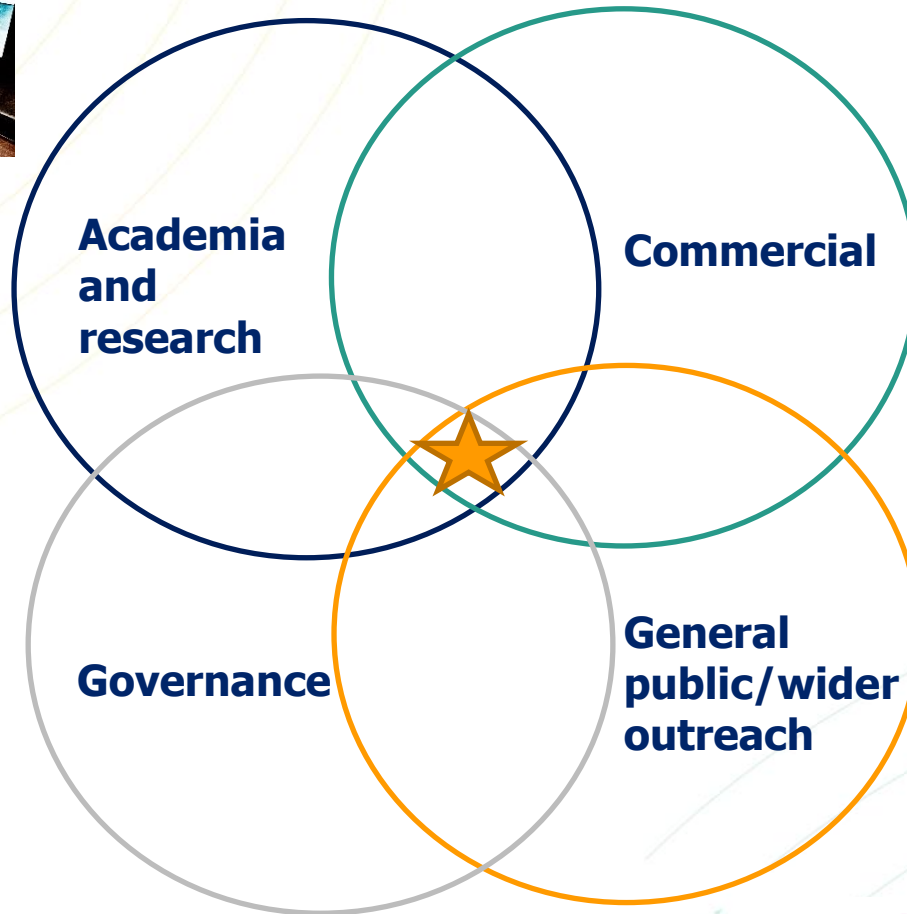
Hayley Evers-King (+many others)

PML Applications Ltd for EUMETSAT

@HayleyEversKing, hek@pml.ac.uk



Who are the 'users'?



End to end framework for satellite data use



- **End user:** people who ultimately benefit (government/industry/public)
- **Service delivery:** How information gets to user
- **Service content:** Information format
- **Tailored service:** e.g. relevant indicators
- **Product analysis:** Multi-scene, trends etc
- **Product:** Geophysical information
- **Data processing:** Methods (algorithms)
- **Data ID and specification:** e.g raw/early levels

RESEARCH AND OPERATIONS AT MANY STAGES

European examples of end-to-end service delivery



Aquaculture

Images, expert interpretation in email

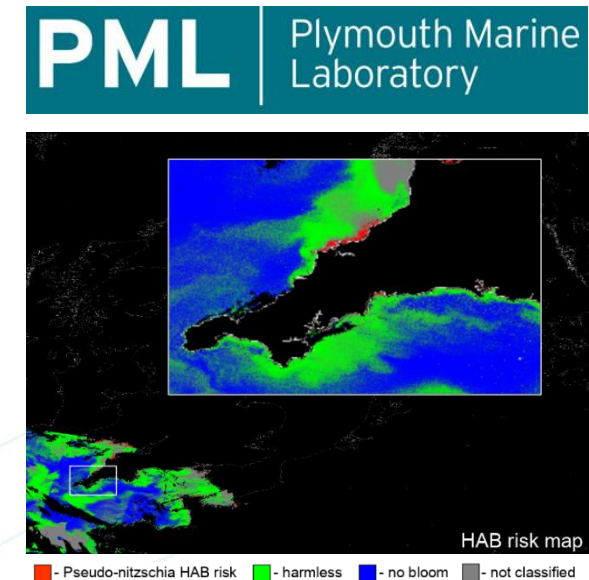
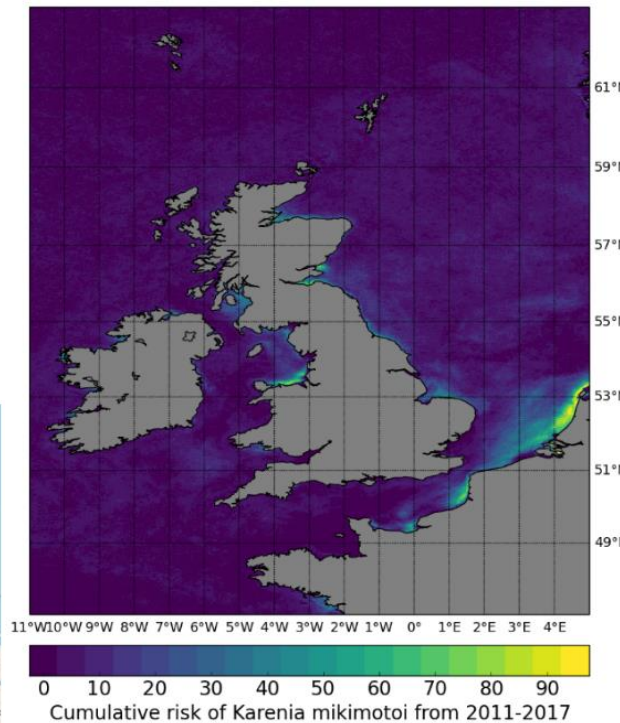
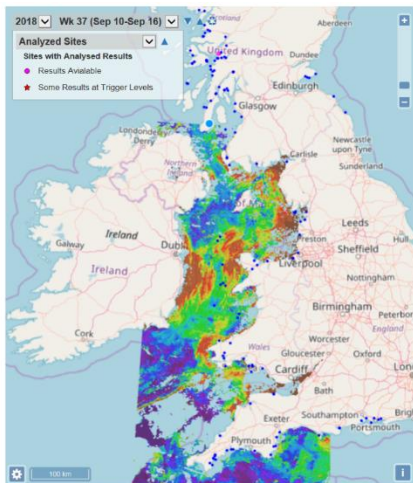
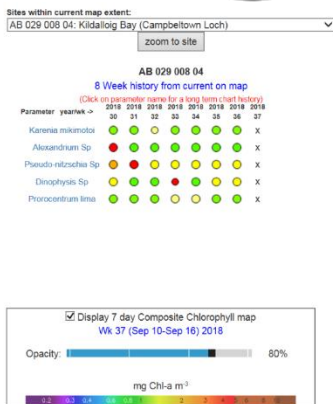
Regional bulletins

Annual risk index

HAB classifier

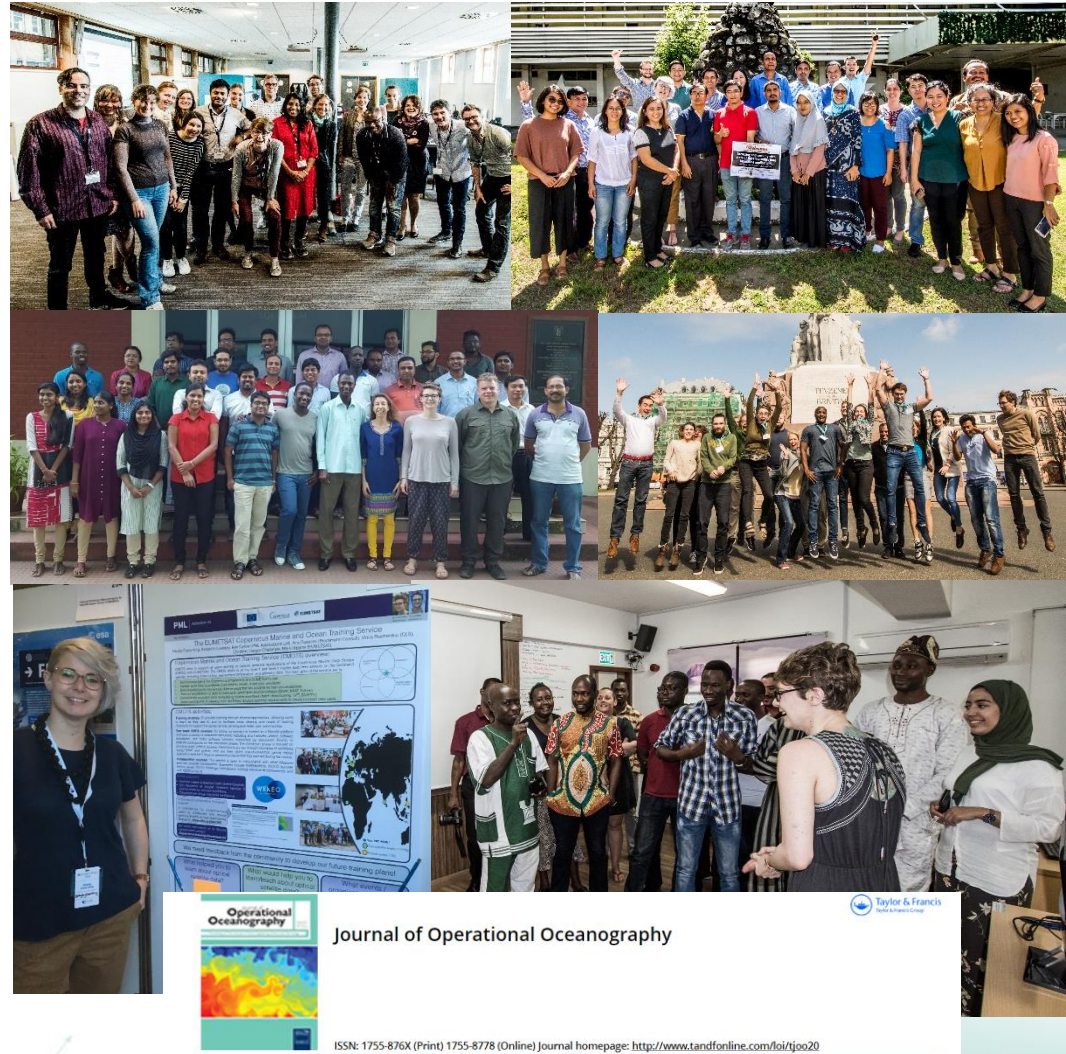
Atmospheric correction

Sentinel-3 OLCI Level 1



What has this looked like for us in practice?

- Improvement in metadata and documentation
- Data access and visualisation
- MOOCs
- Hackathons
- Training (400 in 2 years)
- Sharing experience of open science formally
 - Papers
 - Code
 - Standalone resources (youtube)



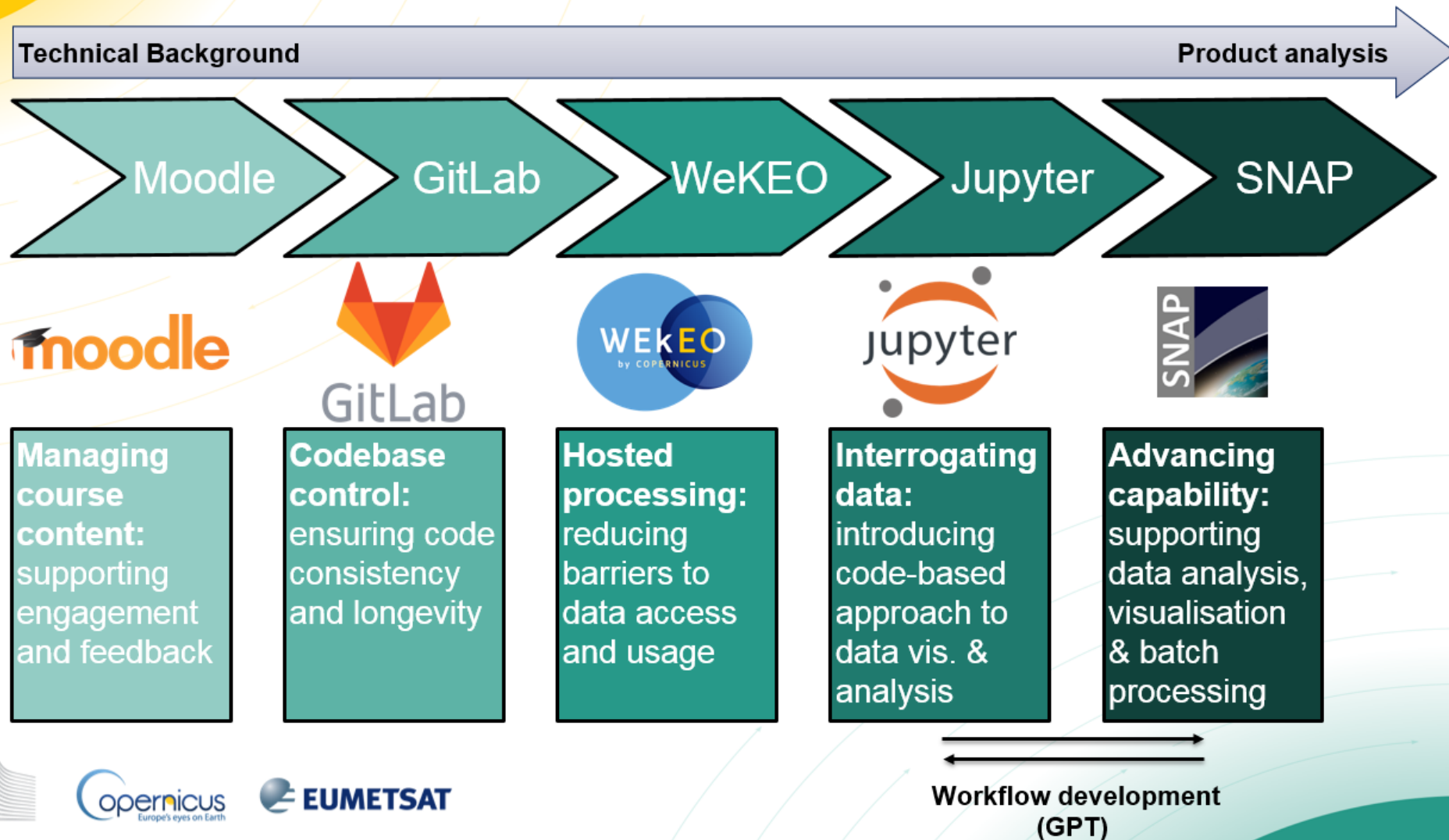
Journal of Operational Oceanography

ISSN: 1755-876X (Print) 1755-8778 (Online) Journal homepage: <http://www.tandfonline.com/loi/tjoo20>

Challenges for global ocean observation: the need for increased human capacity

Patricia Miloslavich, Sophie Seeyave, Frank Muller-Karger, Nicholas Bax, Elham Ali, Claudia Delgado, Hayley Evers-King, Benjamin Loveday, Vivian Lutz, Jan Newton, Glenn Nolan, Ana C. Peralta Brichtova, Christine Traeger-Chatterjee & Edward Urban

Tools to support this process



Growing R2O...



Where do 'we' (EO community of experts) need to focus our efforts?

- Consider who are the responsible parties/users at each stage of data use
- Work on translation between steps
 - Tools, events, training, funding
 - Flexible tools, Hackathons, BICs, C.Academy/masters
- Identify those with good ideas/strong needs without technical knowledge/skills.
- Understanding and quantifying value...