

Annex 1: Agenda

Day 1

9:30 – 10:45 Session 1. Introduction and Welcome – Stephen Plummer

- The ESA Scientific Exploitation and the Carbon Science Cluster (Diego Fernandez)
- Carbon in the Atmosphere (Christian Retscher)
- Carbon in the Ocean (Marie-Helene Rio)
- [Current Challenges in Terrestrial Carbon Science \(Ana Bastos, Stephen Sitch\)](#)
- AFOLU – A CEOS Roadmap and Initiative (Frank Martin Seifert)
- Workshop objectives and logistics, (Stephen Plummer)

10:45-11:00 Coffee break

11:00 - 12:30 Terrestrial Carbon Projects Session 1 - Stephen Plummer

Understanding Primary Production

- 11:00 [Land Surface Carbon Constellation - Lund University \(Marko Scholze\)](#)
- 11:15 [Sentinels4Carbon - Noveltis SAS \(Cedric Bacour\)](#)
- 11:30 [TerrA-P – VITO \(Roel van Hoolst\)](#)
- 11:45 [Vad3emecum – MPI-BGC \(Sophia Walther\)](#)
- 12:00 [Sentinel 5P Innovation SIF - Noveltis SAS \(Luis Guanter\)](#)
- 12:15 Photoproxy - Forschungszentrum Jülich (Uwe Rascher)
- 12:30 [Multi-Flex - University of Milano Bicocca \(Marco Celesti\)](#)

12:45-13:00 Discussion on GPP

13:00-14:00 Lunch break

14:00-15:30 Terrestrial Carbon Projects Session 2 – Stephen Plummer)

New observations for terrestrial carbon

- 14:00 [SMOS+ Vegetation – Univ Toulouse 3 \(Nemesio Rodrigues-Fernandez\)](#)
- 14:15 Albiom - Deimos Space UK Ltd (Maria-Paola Clarizia)
- 14:30 Biomascats - Gamma Remote Sensing AG (Maurizio Santoro)

Dynamics, disturbance, carbon management

- 14:45 [Sentinel4Carbon - TUD \(Theme 2\) \(Matthias Forkel\)](#)
- 15:00 S14Science Amazonas – GISAT, Agresta, NMBU, NLS (Neha Joshi)
- 15:15 SHRED – TU Vienna (Mariette Vreugdenhil)
- 15:30 F-DTE, Assesscarbon, Forest Carbon Monitoring (Matti Mottus)

15:45-16:15 Discussion on new observations and dynamics

16:15-16:45 Open discussion on project status, cluster, new mechanisms for working, new call for cluster

End of first day

Day 2

9:30-11:00 Future Missions, Campaigns, Tools and other ESA activities in support of Carbon science

- 9:30 Biomass, FLEX, status and plans – Klaus Scipal, Matthias Drusch
- 9:45 [Sentinel Expansion Missions – Malcolm Davidson](#)
- 10:00 Land Surface data campaigns – what is there, where, what is planned – Dirk Schuettemeyer
- 10:15 [Earth System Data Laboratory – Anca Angheloa](#)
- 10:30 [CCI and carbon activities – Clement Albergel](#)
- 10:45 Applications – The ‘World’ projects – Frank Martin Seifert

11:00-11:30 Coffee break

11:30-12:30 Parallel Technical Discussion sessions

1. Towards a European Terrestrial Carbon Constellation project
2. Science needs in preparation for Copernicus Sentinel Expansion Missions (2026)

14:00-15:30 Final session

- 14:00 Recommendations from Breakouts
- 14:45 Final Discussion
- 15:15 Wrap-up and Next Steps