

Workshop ID: 146

Demonstration Title: Using ARIES for SEEA to support Ecosystem Service Accounting and reporting on Global Biodiversity Framework Headline Indicator B.1: A capacity building workshop

Demonstration Description: Goal B of the Kunming-Montreal Global Biodiversity Framework (GBF) focuses on people and nature prospering together. Information on ecosystem services flows consistent with the sustainable use of biodiversity are essential for tracking progress towards this goal. The European Union funded [SEEA-related Indicators for the Global Biodiversity Framework](#) project was launched in October 2024 to support countries to compile headline indicators for reporting on progress towards Goal B and Goal A of the GBF.

Objectives: This workshop aims to introduce and provide hands-on training on the use of the publicly available ARIES for SEEA tool, including its latest developments, to compile SEEA Ecosystem Services Accounts. Participants will be guided through the steps required to generate Ecosystem Service Accounts that are consistent with the SEEA EA framework. How these accounts support reporting for the headline indicator B.1—Services provided by ecosystems of the Global Biodiversity Framework will also be demonstrated.

Outcomes: Upon completion, participants will be able to produce rapid, standardized, scalable, and customizable ecosystem accounts for their chosen area. They will also learn how to customize models for national contexts. A significant outcome is encouraging the use of Earth Observation (EO) environmental data in the compilation of SEEA EA and in turn the compilation of SEEA-related indicators for the GBF. This will benefit the official statistical community and others interested in deriving ecosystem services data, especially in countries with limited geospatial analytical capacity.

Structure: The workshop is organized as follows:

- SEEA-related GBF Indicators and compilation guidelines (20 minutes):** This session will establish the policy and project context for the demonstration and provide an overview of guidelines for compiling Headline Indicator B.1 of the GBF that are being developed.
- ARIES for SEEA (1 hour):** The main session will focus on generating ecosystem accounts using the ARIES for SEEA tool to compile the SEEA EA and support GBF reporting and other uses, with a strong emphasis on Earth Observation (EO) integration.
- Feedback Sessions (2 x 10 minutes):** Two dedicated 10-minute feedback periods are scheduled: one immediately following the project context setting and another at the conclusion of the workshop. This will provide an opportunity for questions and answers.

Organiser Details:

- Steven King (United Nations Statistics Division, UNSD), steven.king@un.org

- Ferdinando Villa (Basque Centre for Climate Change, BC3), ferdinando.villa@bc3research.org
- Stefano Balbi (BC3), stefano.balbi@bc3research.org

Technical/Logistical Requirements:

Participant Preparation:

- Participants intending to engage in the hands-on session using the ARIES for SEEA app should create a user log-in at the ARIES Hub: <https://integratedmodelling.org/hub/>. A brief tutorial is available here: <https://youtu.be/JwaBnW2KywM?si=SF-kZ9lxFsVyzvOs>.
- Another potential application to test, which focuses more on the use of Earth Observation (EO) data, was developed as part of an European Space Agency (ESA) project. More information can be found at <https://esa-people-ea.org/en/results/aries4people-application>.
- Participants interested in learning more about the SEEA-Related GBF indicators project being implemented by UNSD in collaboration with BC3 are encouraged to visit the webpage for the project: <https://seea.un.org/content/project-seea-related-indicators-global-biodiversity-framework>

Technical/Logistical Requirements for Organizers:

- The organizers need to ensure sufficient Wi-Fi bandwidth to support concurrent use by 30 people in the room. As demonstrators, we would also appreciate having the option to connect via a LAN cable.