



2021 United Nations Decade  
2030 of Ocean Science  
for Sustainable Development

Biodiversity.aq  
SOOS  
EG-ABI



# ESSENTIAL VARIABLES WORKFLOWS WORKSHOP



AUSTRALIAN  
ANTARCTIC  
PROGRAM

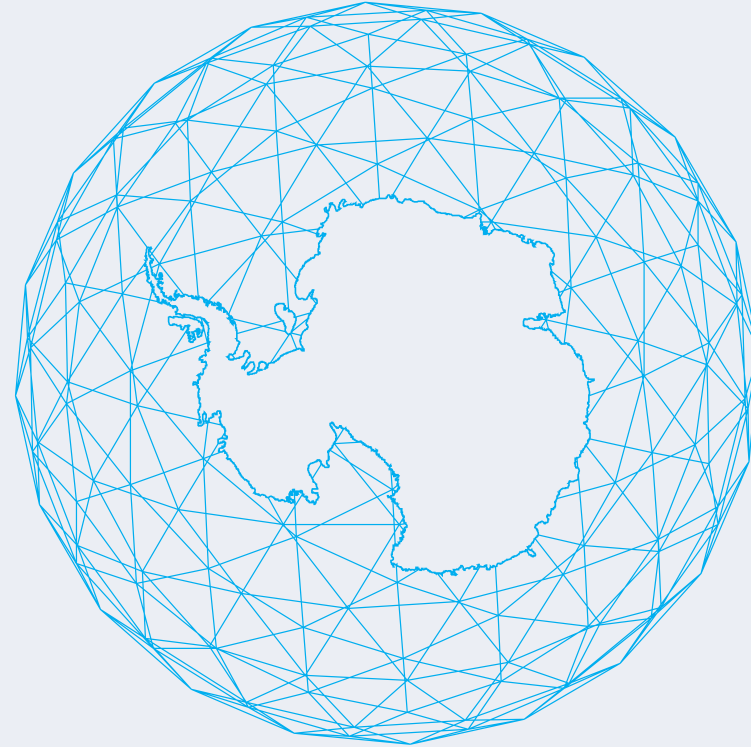


**SOOS**  
SOUTHERN OCEAN OBSERVING SYS



ABOUT THE  
ORGANISERS

SOOS -  
SOUTHERN  
OCEAN  
OBSERVATION  
SYSTEM



**SOOS**  
SOUTHERN OCEAN  
OBSERVING SYSTEM

EG-ABI -  
EXPERT  
GROUP ON  
ANTARCTIC  
BIODIVERSITY  
INFORMATICS



BIODIVERSITY.AQ-  
SCAR ANTARCTIC  
BIODIVERSITY  
PORTAL



**BIODIVERSITY.AQ**

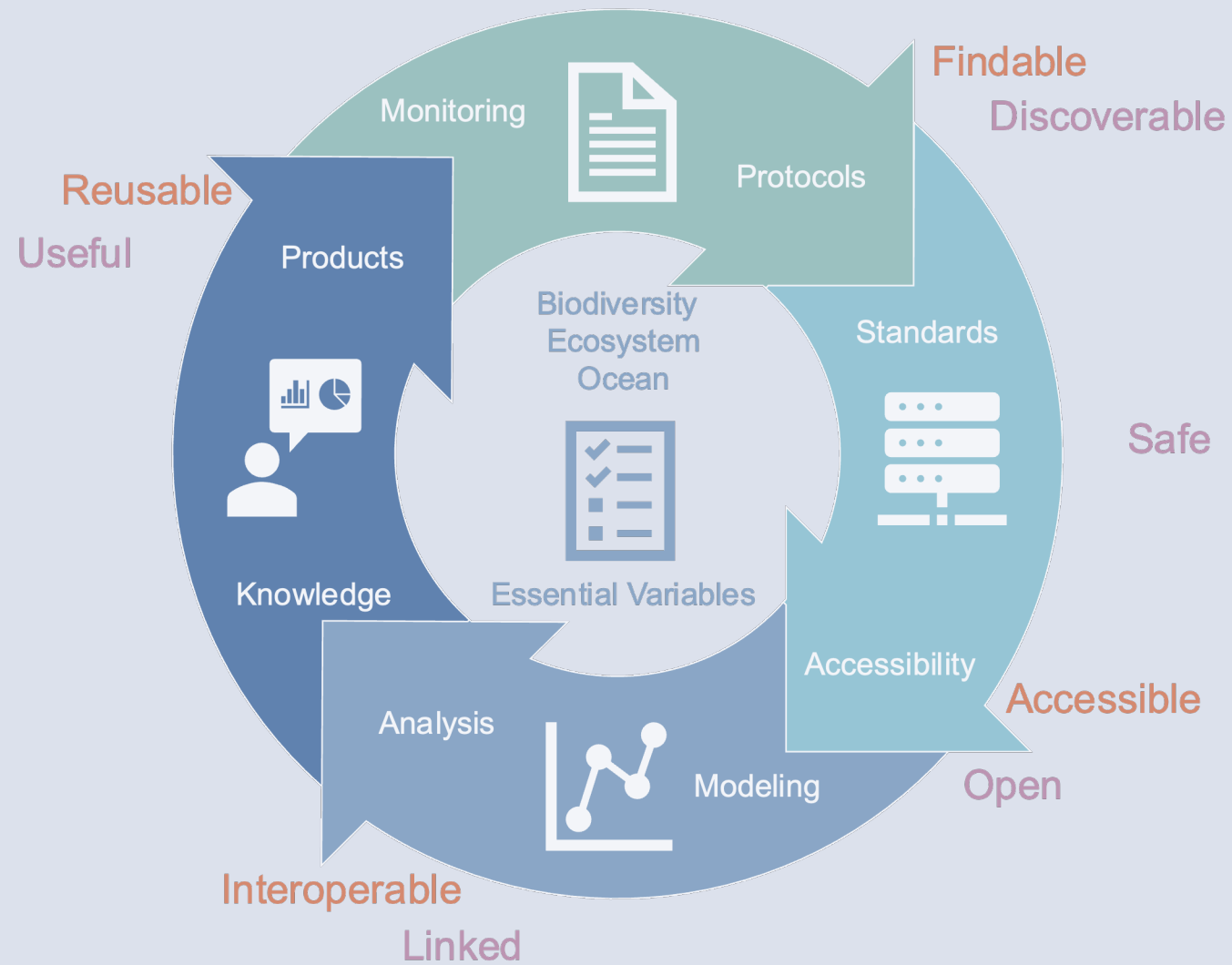


ADVANCE –  
ANTARCTIC BIODIVERSITY DATA  
INFRASTRUCTURE



The background features a repeating pattern of stylized human head silhouettes in profile, facing right. Each silhouette contains a large, dark question mark. The silhouettes are layered, creating a sense of depth. A central silhouette prominently displays a blue line-art lightbulb with radiating lines, symbolizing an idea or insight. The overall color palette is muted, with shades of grey, teal, and blue.

WHY ARE WE ORGANISING THIS?

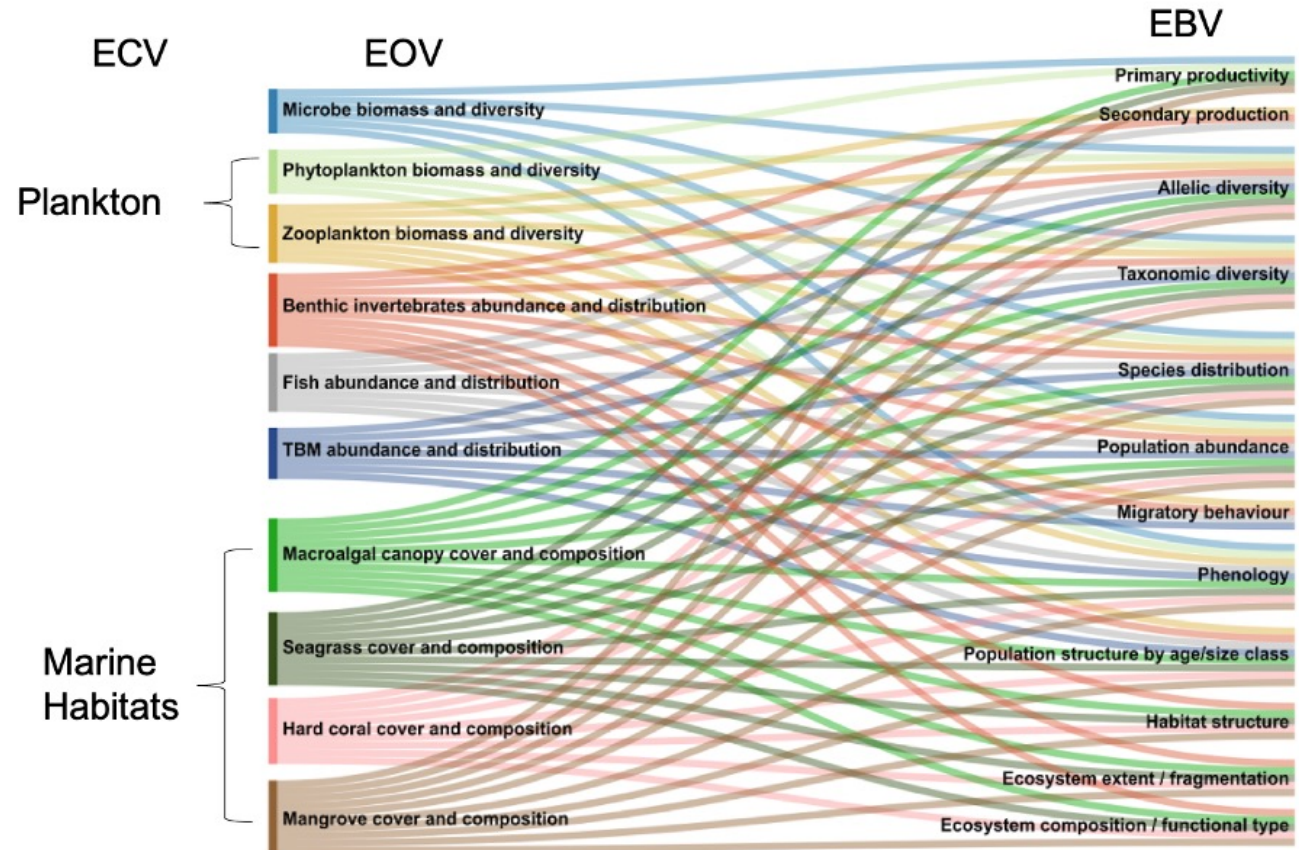


Van de Putte et al. 2021

<https://doi.org/10.3389/fmars.2021.637063>



ECV  
EOV  
EBV



Muller-Karger et al., 2018)

<https://doi.org/10.3389/fmars.2018.00211>

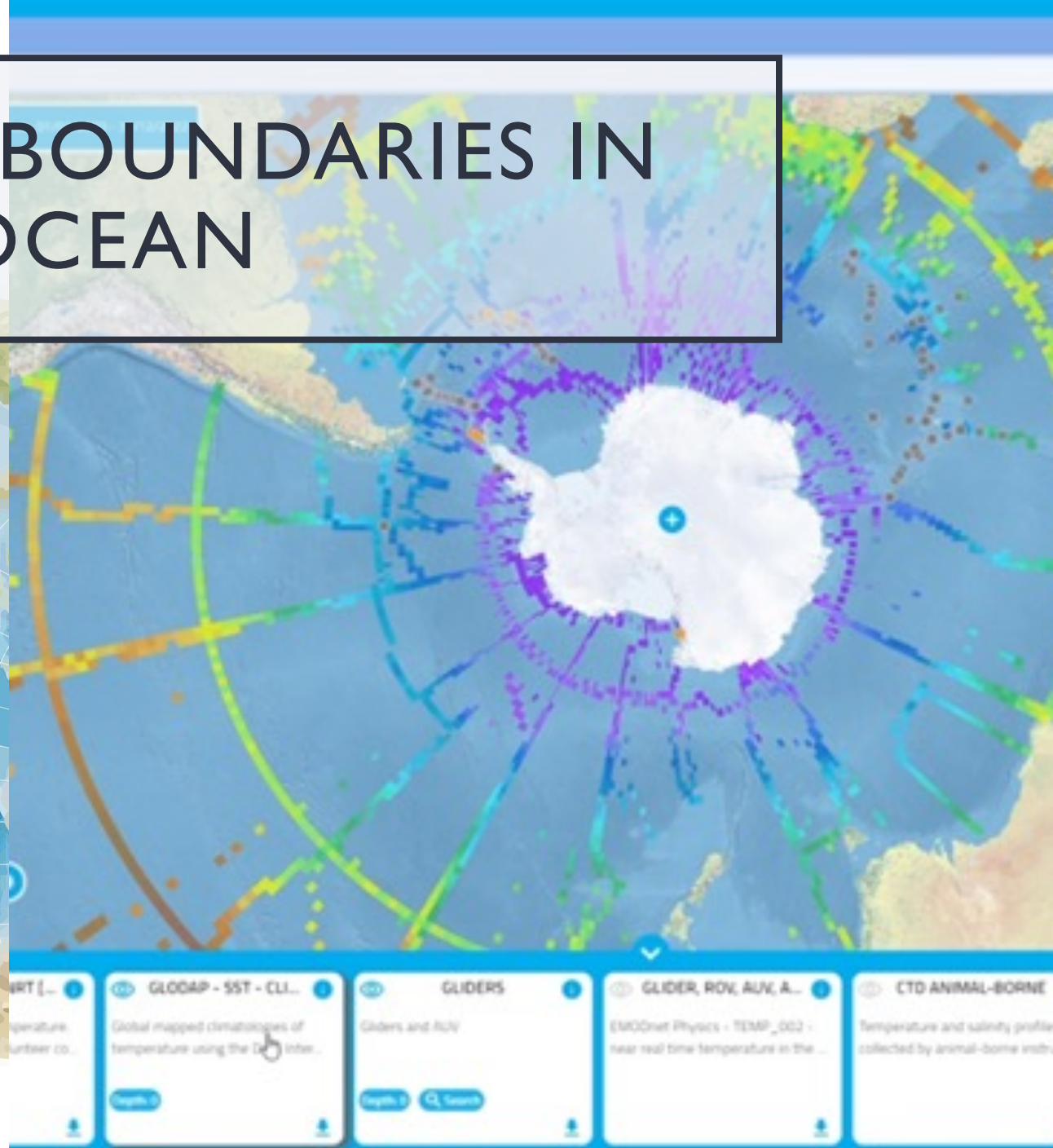
EEOVS

Constable et al. 2016  
<https://doi.org/10.1016/j.jmarsys.2016.05.003>

[illegible]



# THERE ARE NO BOUNDARIES IN THE OCEAN







## VARIOUS INITIATIVES

- SOOS
- OBIS
- Decade for ocean science
  - Marinelife2030
- Lifewatch
- BON
  - GEO-BON
  - MBON
  - EUROPABON
- Digital Twin of the Ocean

# WORKSHOP GOALS



CREATE AN  
INVENTORY OF  
ESSENTIAL  
VARIABLES  
RELEVANT FOR THE  
SOUTHERN OCEAN  
BASED ON EXISTING  
EFFORTS BY GEO-  
BON AND MBON.



IDENTIFY DATA  
REQUIREMENTS AND  
DATA GAPS FOR  
CALCULATING SUCH  
EVS



PRIORITIZE EVS TO  
WORK ON



IDENTIFY EXISTING  
WORKFLOWS AND  
TOOLS



DEVELOP A  
FRAMEWORK FOR  
DEVELOPING THE  
WORKFLOWS  
REQUIRED TO TURN  
PUBLIC SO  
BIODIVERSITY DATA  
INTO RELEVANT  
ESSENTIAL  
VARIABLES.

## SIMPLIFIED EV WORKFLOW





# RESOURCES

- Github repo  
[https://github.com/biodiversity-aq/SO-essential\\_variables](https://github.com/biodiversity-aq/SO-essential_variables)
- Google Drive  
[https://drive.google.com/drive/folders/INFOKET0gvAlJPK0djQUQJ803vus\\_9JIE?usp=drive\\_link](https://drive.google.com/drive/folders/INFOKET0gvAlJPK0djQUQJ803vus_9JIE?usp=drive_link)

Input

<https://drive.google.com/drive/folders/loCqsKqynhI32ZGT7rP8HHgOrwxEidjDx?usp=sharing>

# AGENDA DAY I

## Day 1: Priority Essential Variables and data gaps

Introduction (15 min)

Round Table (45 min)

Overview EVs (30 min)

Break 10:30 - 11:00

Priority Variables

Introduction (15 min)

Online templates/Breakouts (75 min)

Lunch 12:30 - 13:30

Data gaps

Introduction (15 min)

Online templates/Breakouts (75 min)

Break 15:00-15:30

Reporting back (60 min)

Summary-closing (15 min)

Join at

**slido.com**

**#3087 002**



LETS GET TO KNOW EACH OTHER