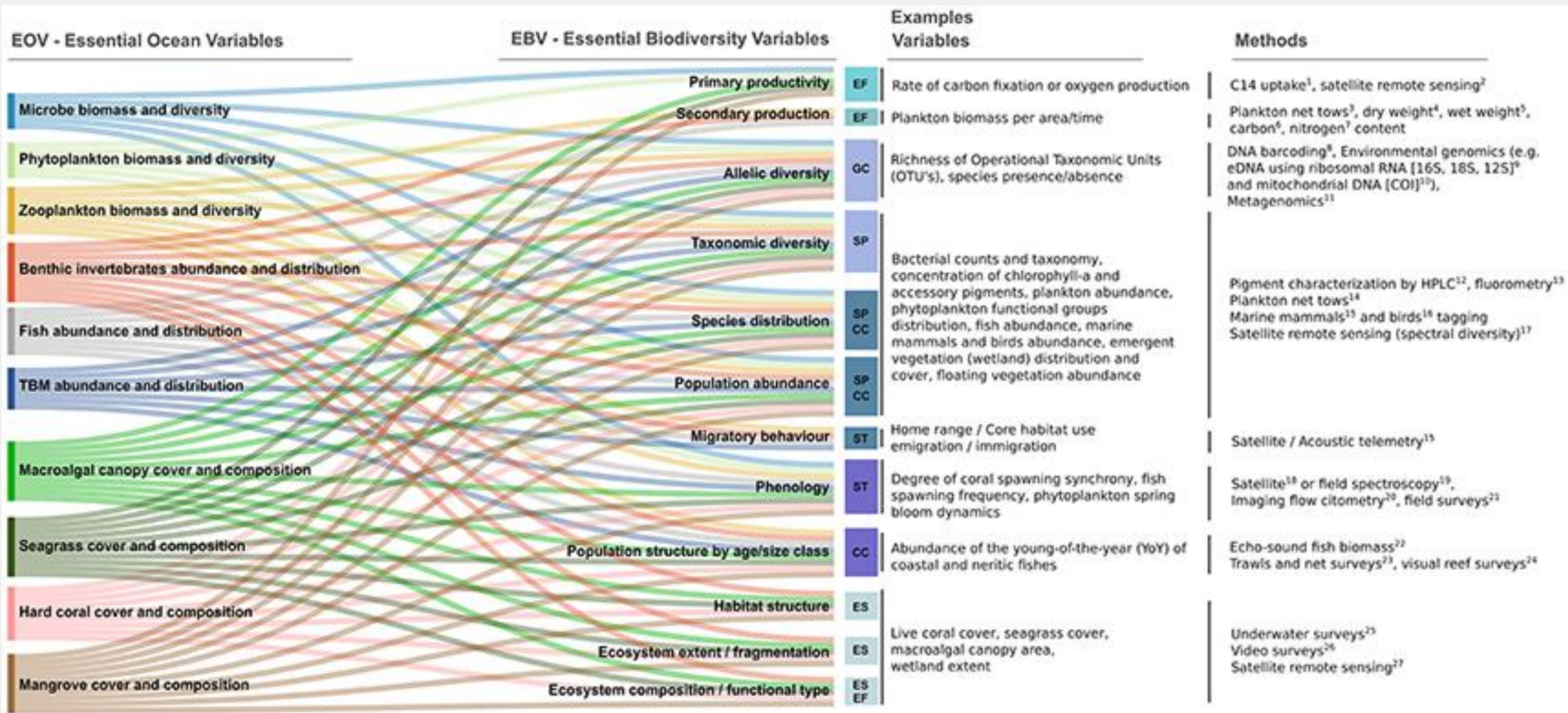


# IMAGEOV: Développer et modéliser des Variables Essentielles de Biodiversité pour les poissons et les habitats benthiques à partir de données d'imagerie sous-marine

## Developing and modeling Essential Biodiversity Variables for fish and benthic habitats from underwater imaging data

Elizabeth Hasan

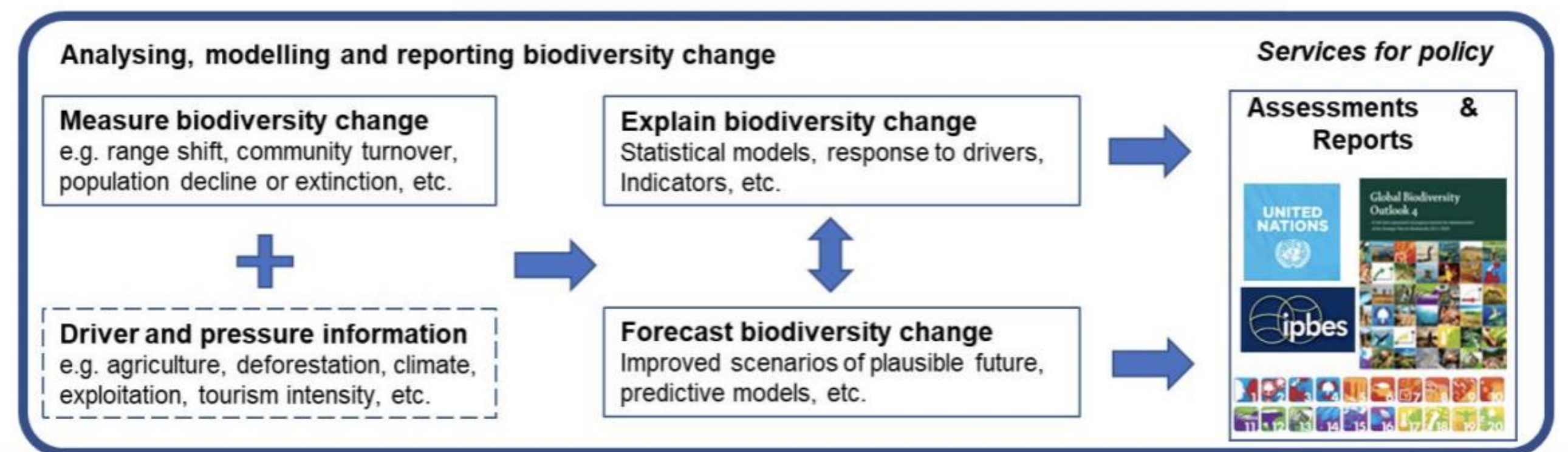
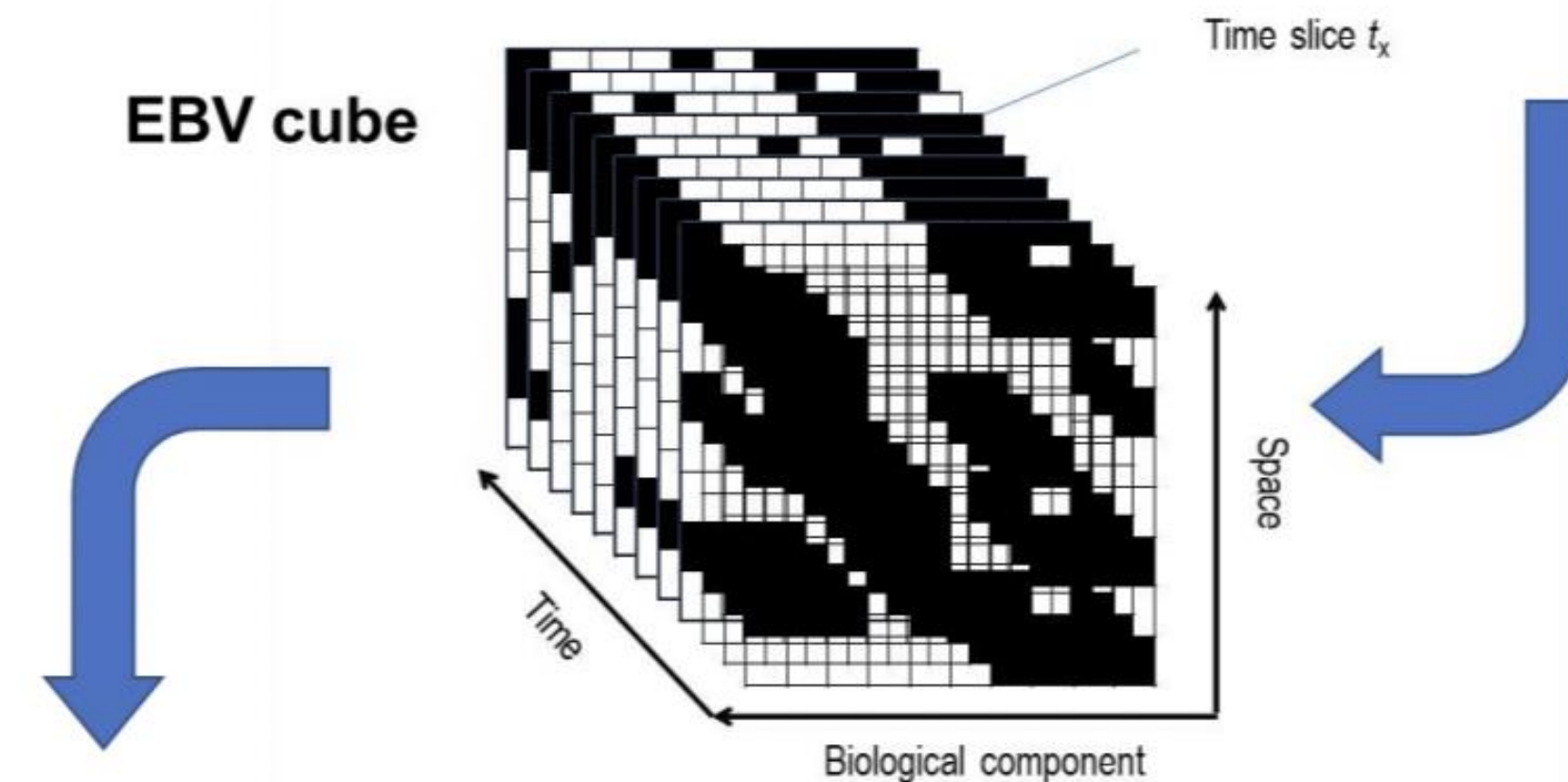
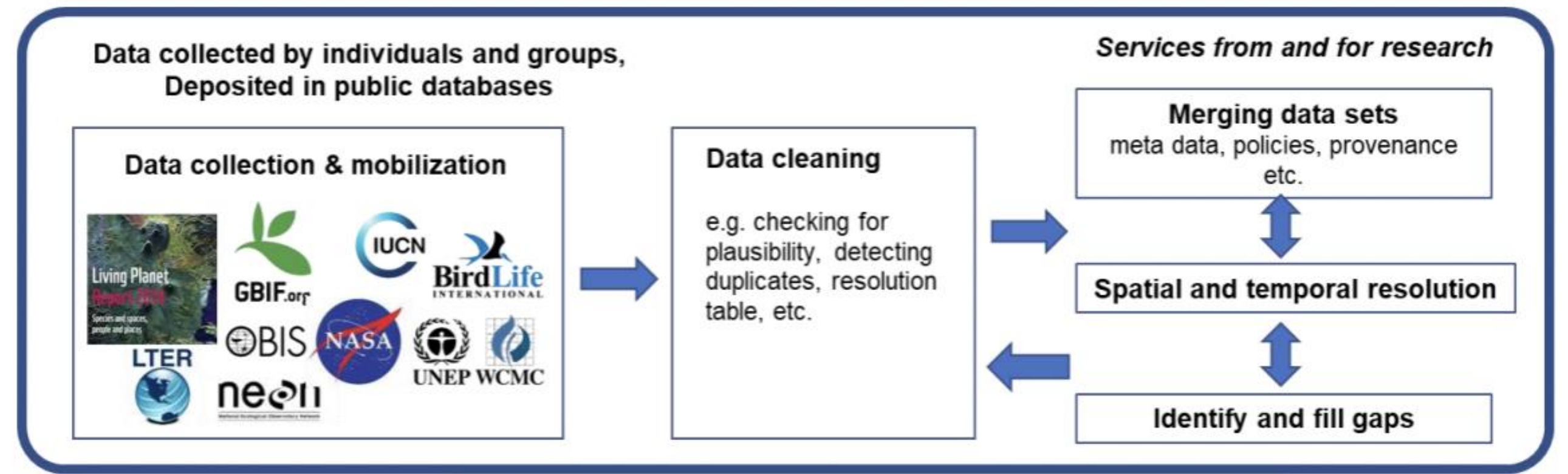
Dr. Dominique Pelletier (IFREMER), Dr. Jacquomo Monk (UTAS), Dr. Neville Barrett (UTAS), Dr. Ben Scouling (CSIRO)



Source: Muller-Karger et al. 2018

# Overall Aim

Develop and assess the performance of EOVs and EBVs obtained from benthic imagery across survey platforms and ecosystems

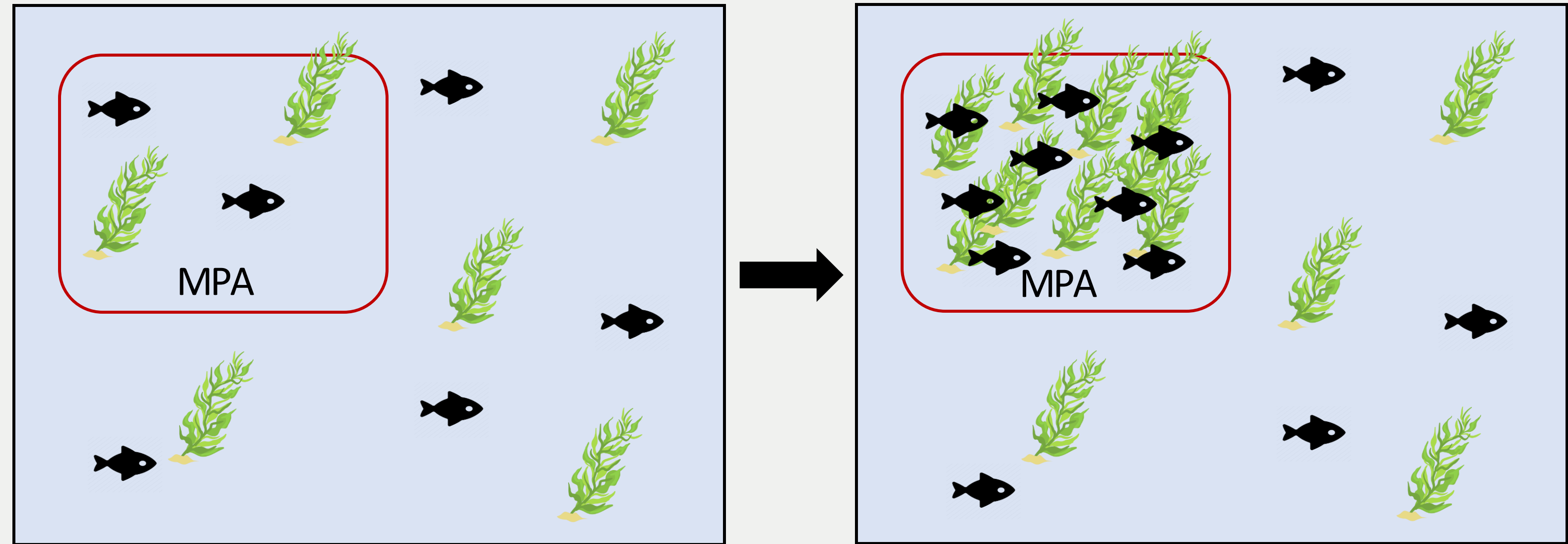


Source: GEOBON; adapted from Schmeller et al. 2017



# Chapter 2

Assessing the ability of image-based EOV/EBV to capture temporal changes in fish communities in relation to fishing and MPAs across regions and contexts



STAVIRO



Dominique Pelletier

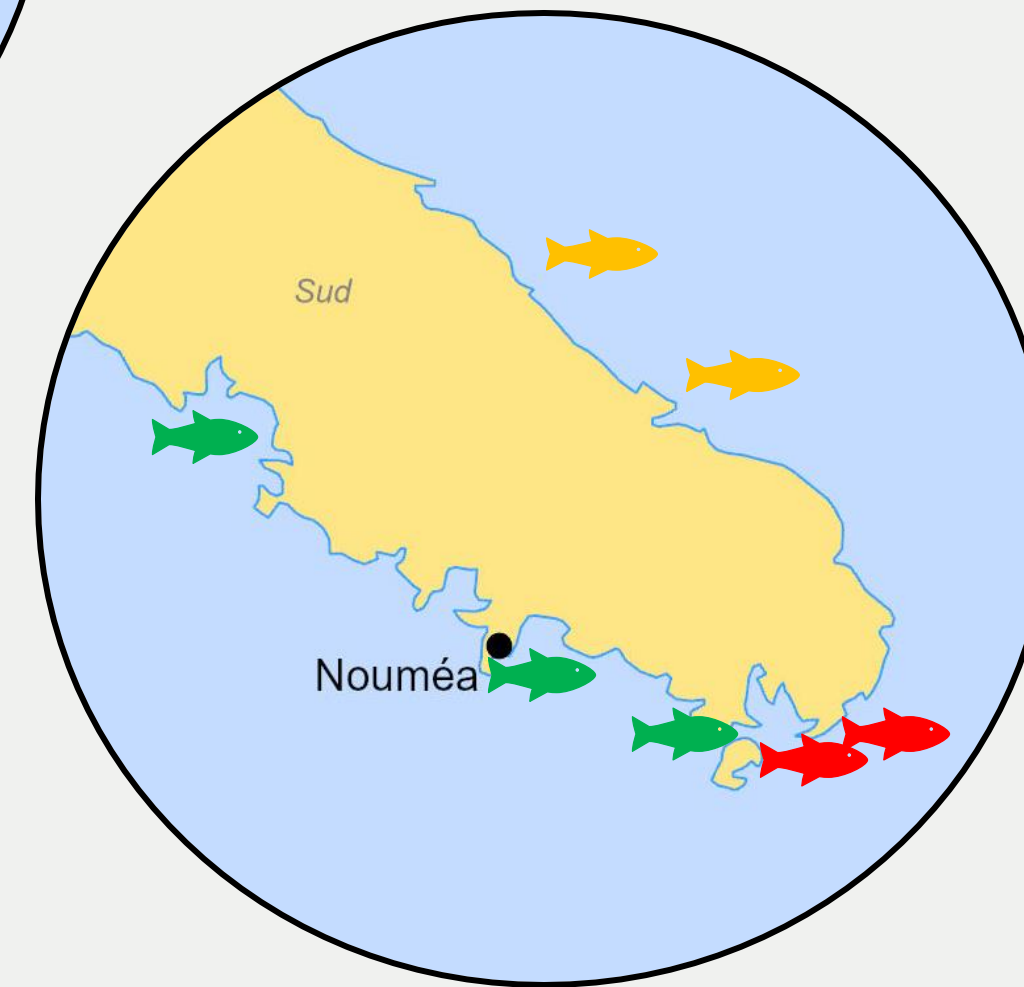
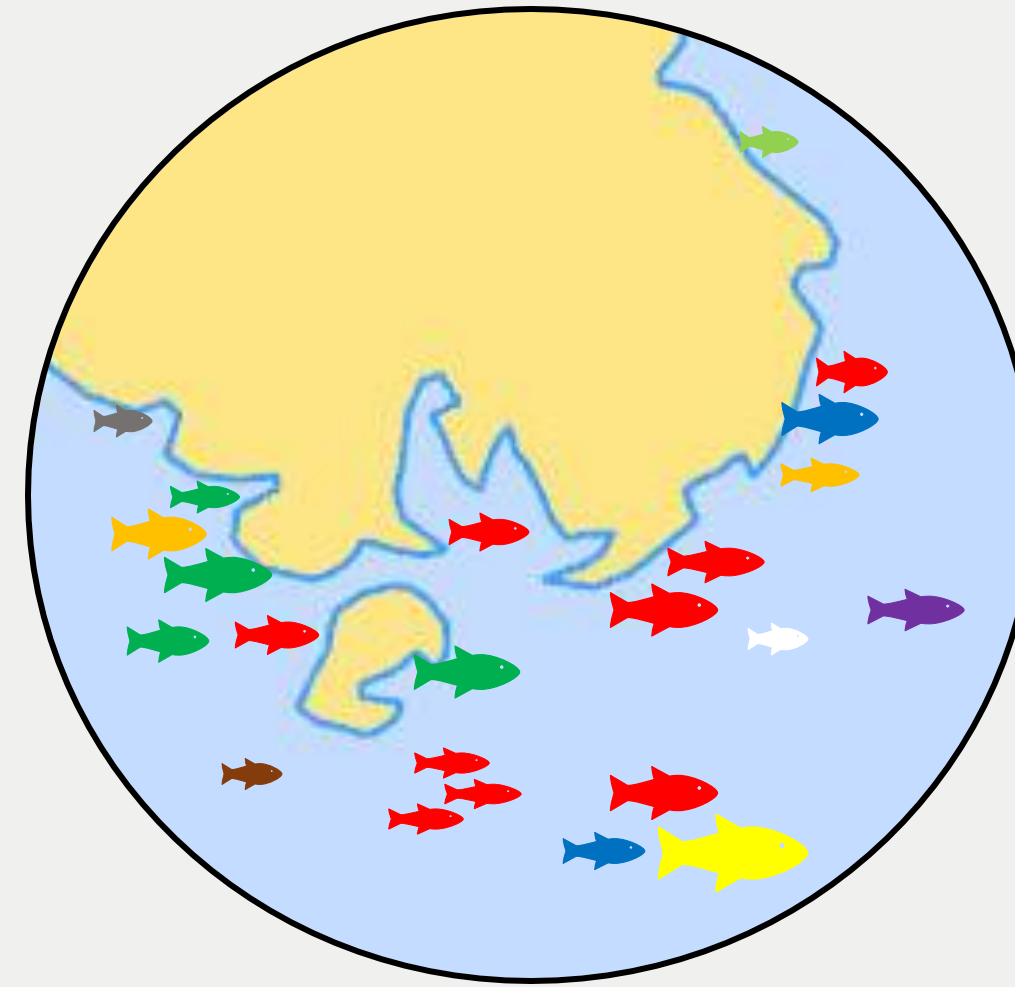
BRUV



Perkins et al. 2024

# Chapter 3

Scalability and spatial consistency of image-derived EOV/EBVs: Do metrics extracted from benthic imagery data retain the same spatial signals when scaled?



# Thank you for your attention!