

EO 4 Ecosystem Accounting 2022



Ecosystem condition accounting and earth observation

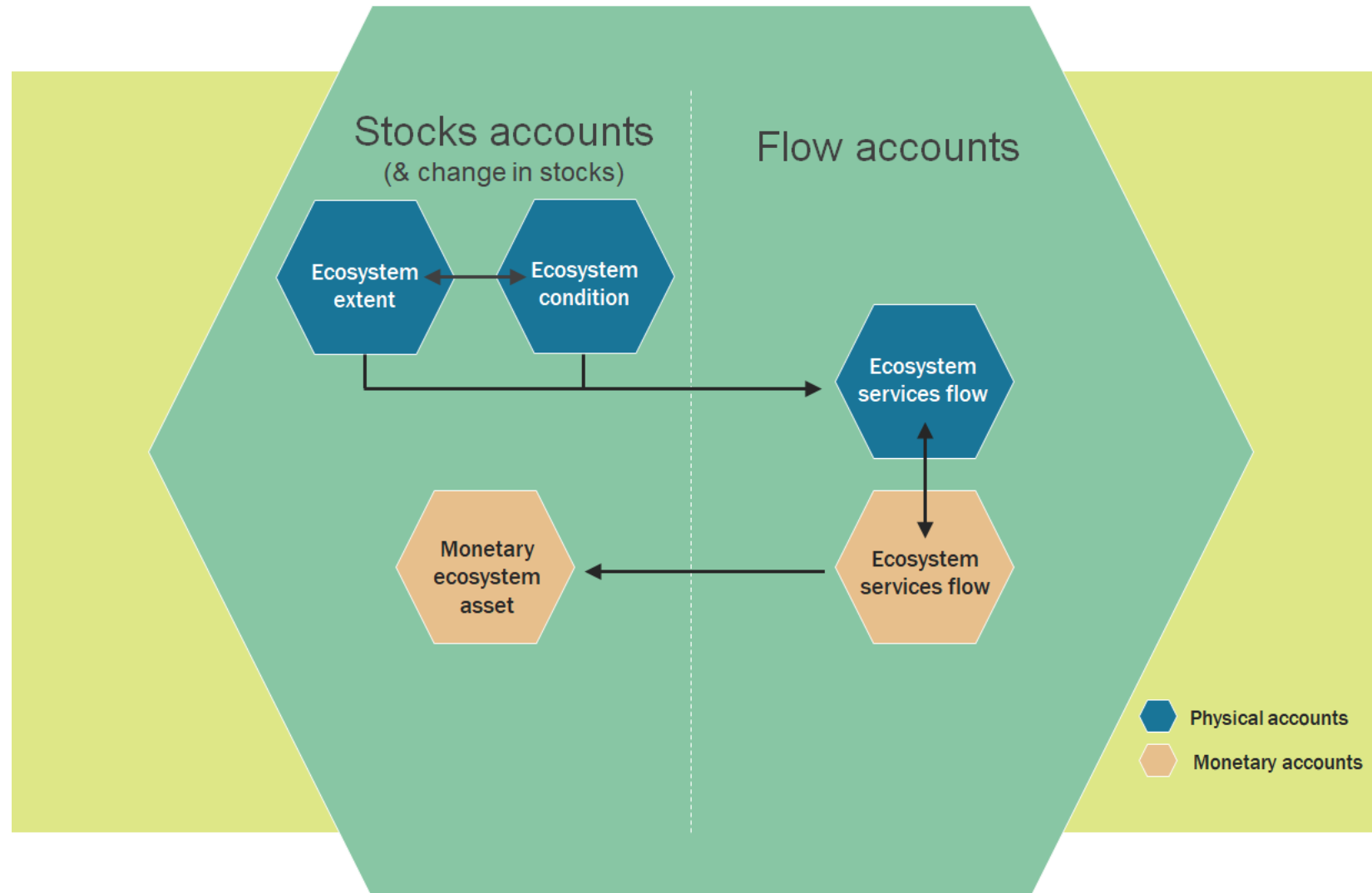
Joachim MAES

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29/11/2022



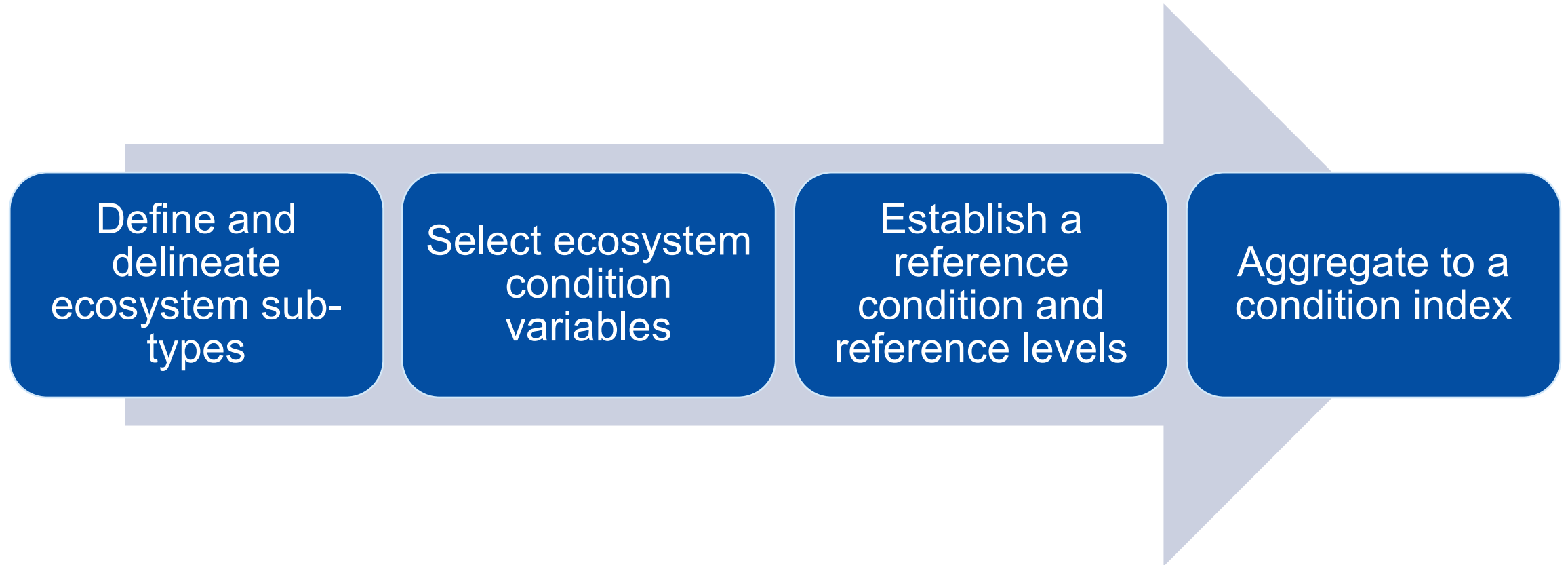
Ecosystem condition accounts in the SEEA EA framework



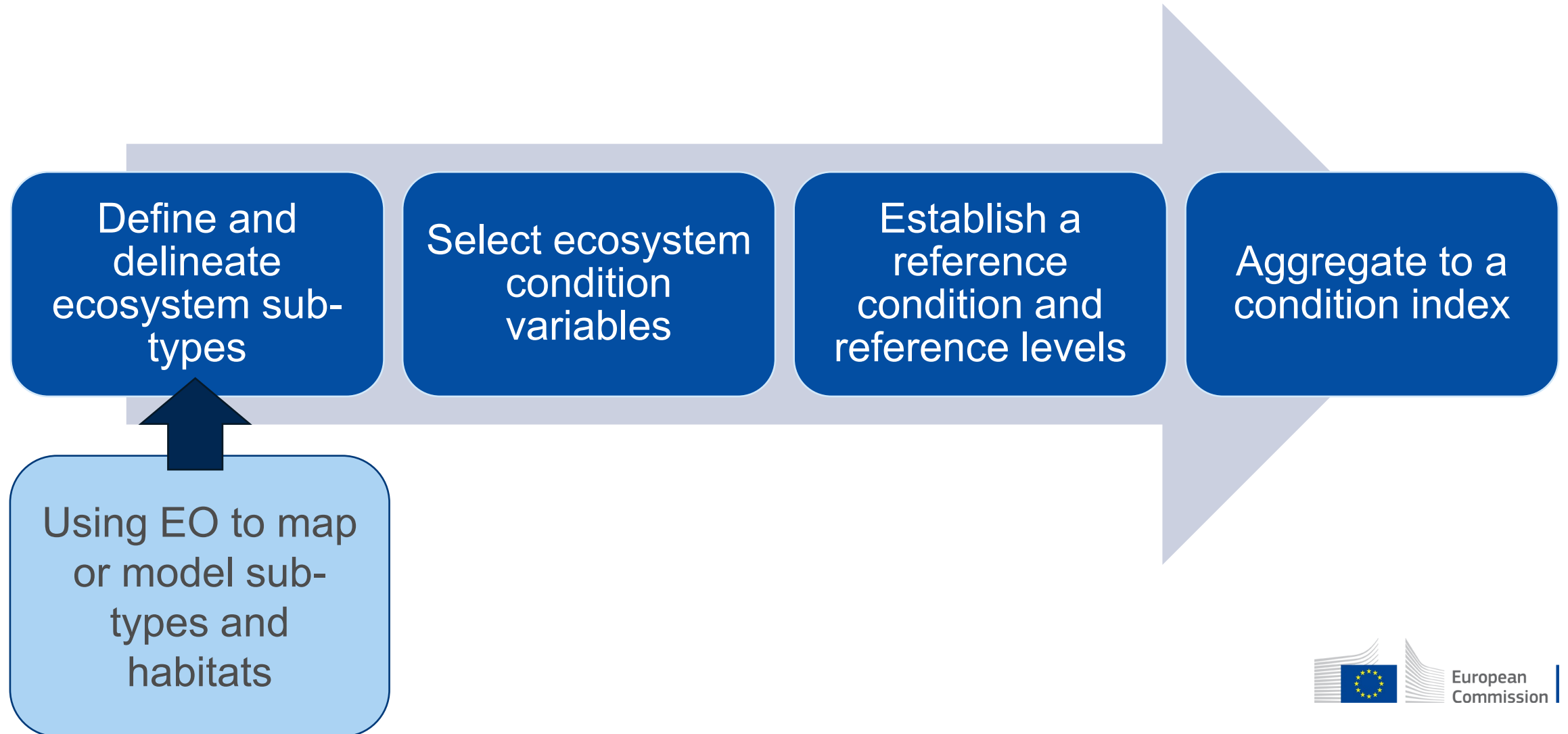
Key principles of ecosystem condition accounting

- Ecosystem condition is **spatially-explicit** and should be measured at local scale.
- The practical basis for assessing ecosystem condition is to measure the similarity or distance of a current ecosystem to a reference or least-disturbed ecosystem.

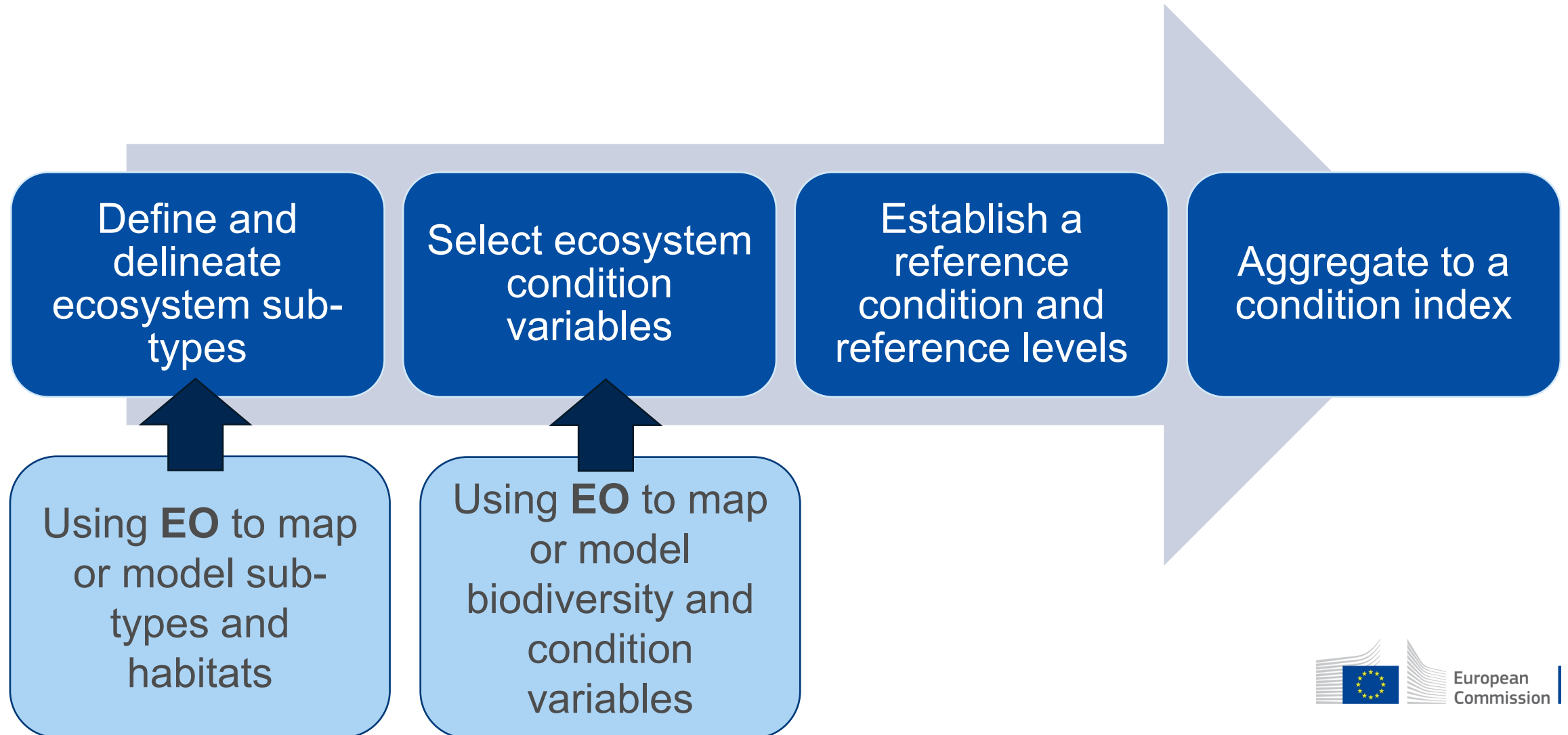
SEEA EA guidance to condition accounting



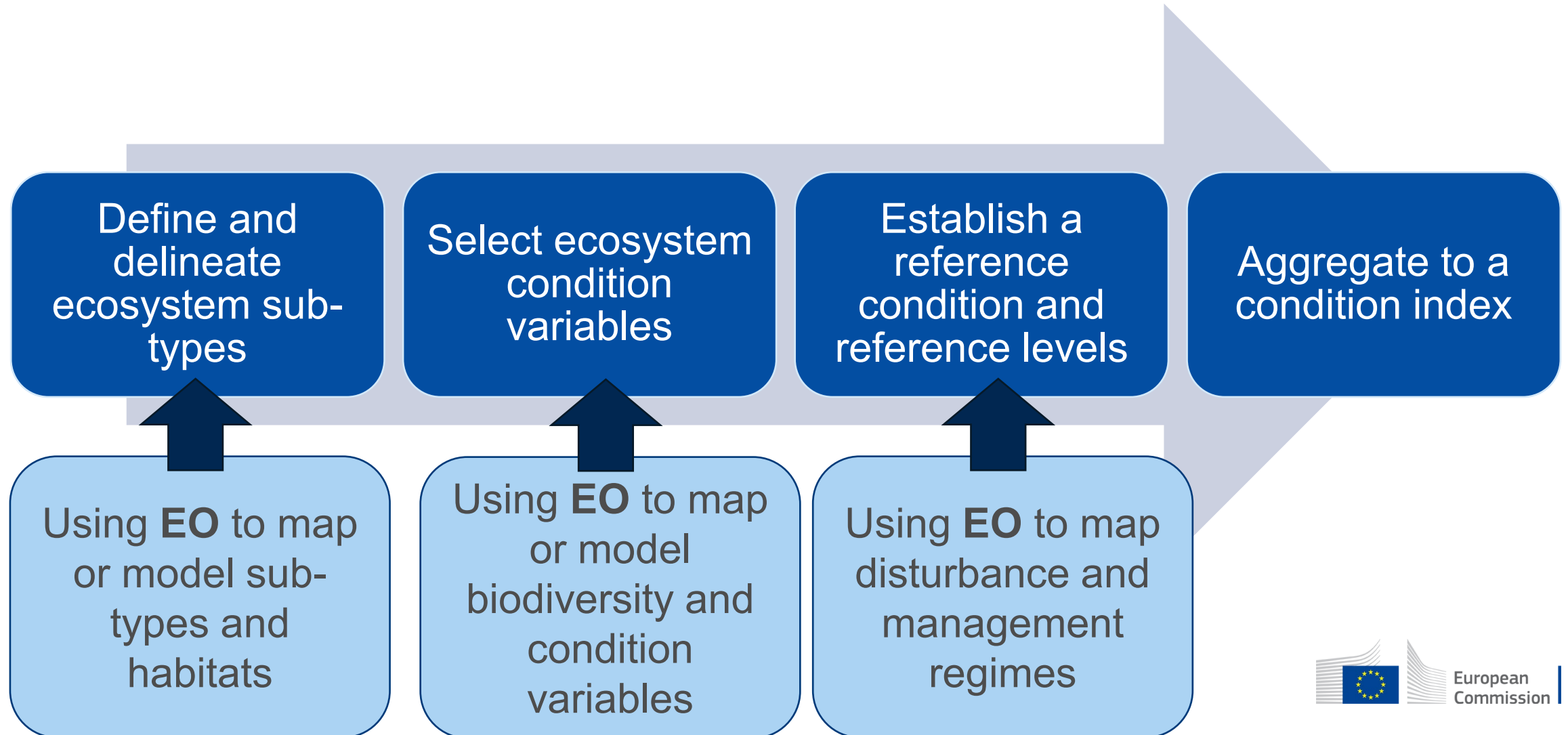
SEEA EA guidance to condition accounting



SEEA EA guidance to condition accounting



SEEA EA guidance to condition accounting



Reference conditions

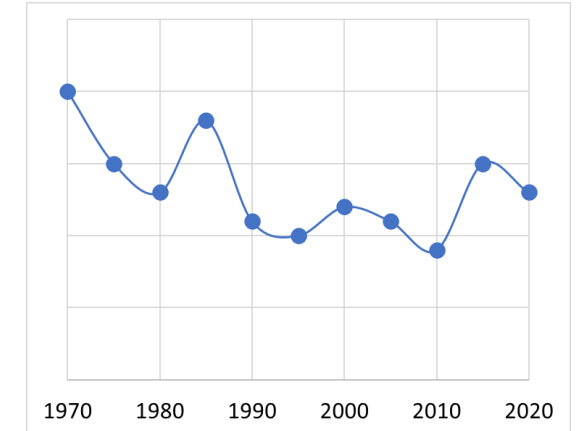
Undisturbed or
minimally-disturbed condition



Historical condition



Contemporary condition



Least-disturbed condition



Best-attainable condition



Modelled condition

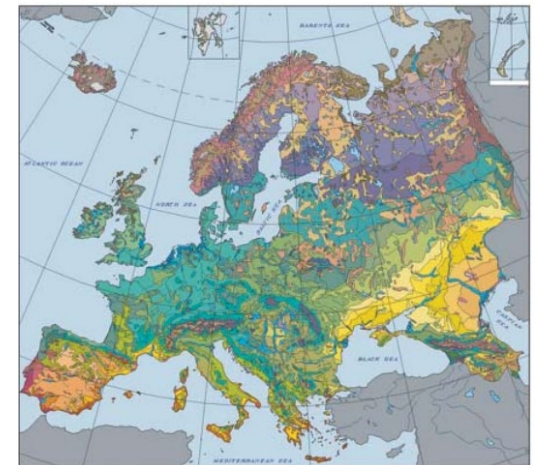


Photo by [Roma Ryabchenko](#) on [Unsplash](#)



Earth observation for ecosystem accounting

- How can we increase the use of EO data ecosystem condition accounting through better coupling with in-situ observations?
- How can we enhance the use of EO data to map biodiversity, habitat and species distributions?
- What are the opportunities of using EO data to define undisturbed reference sites, or managed versus natural ecosystems?
- Are there any potential or newly emerging technologies in EO to increase the thematic resolution to support ecosystem condition accounting?

Thank you



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