

EO 4 Ecosystem Accounting 2022



Ecosystem condition accounting and earth observation

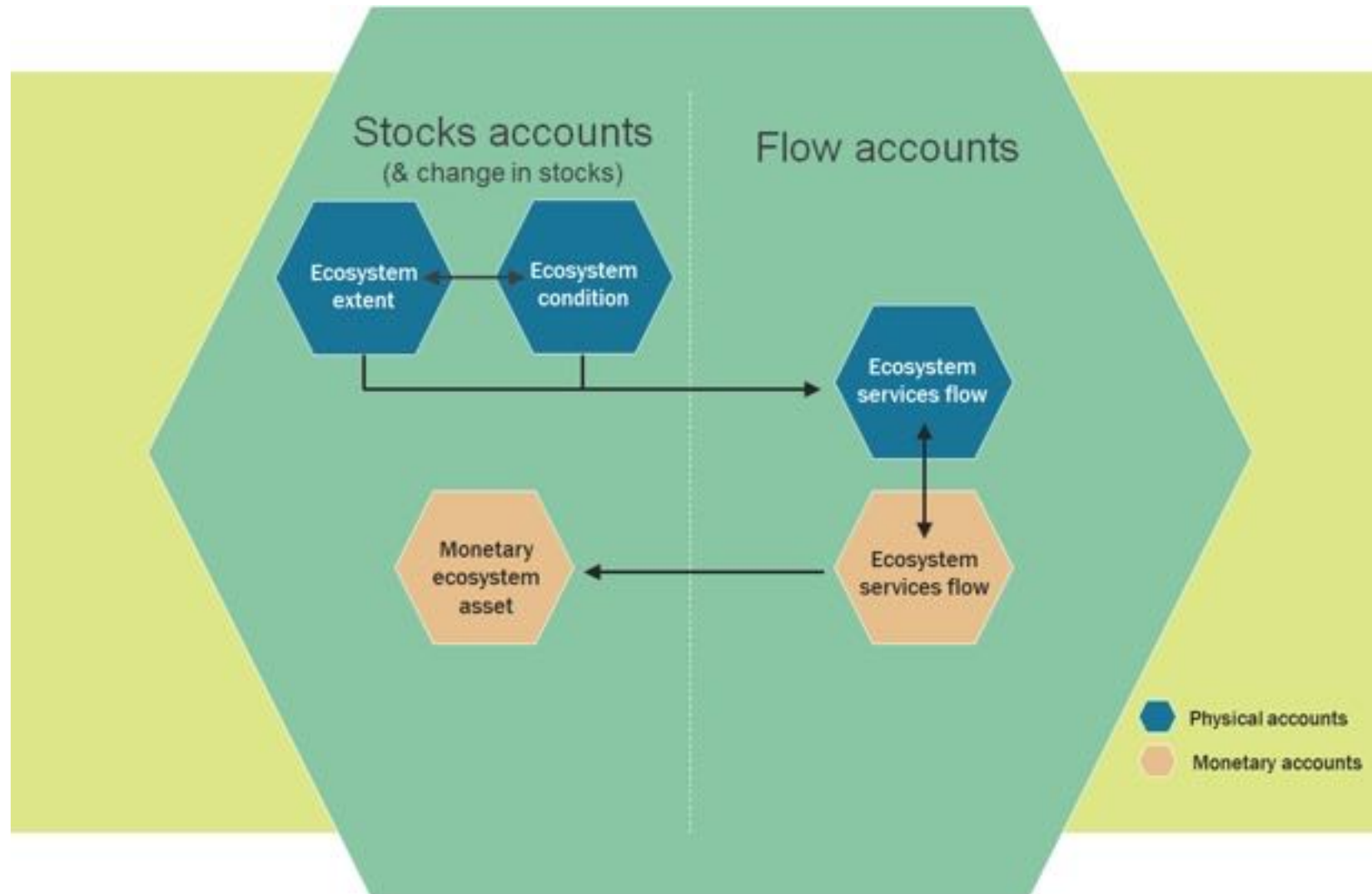
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29/11/2022



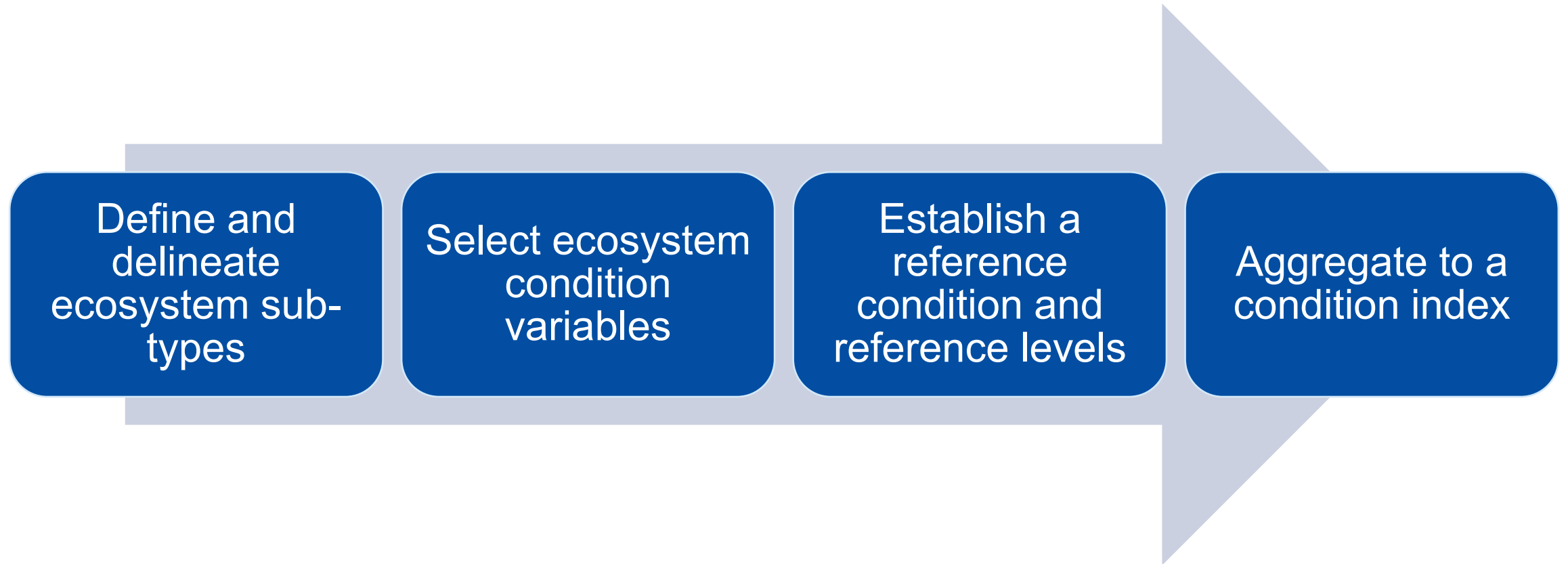
Ecosystem condition accounts in the SEEA EA framework



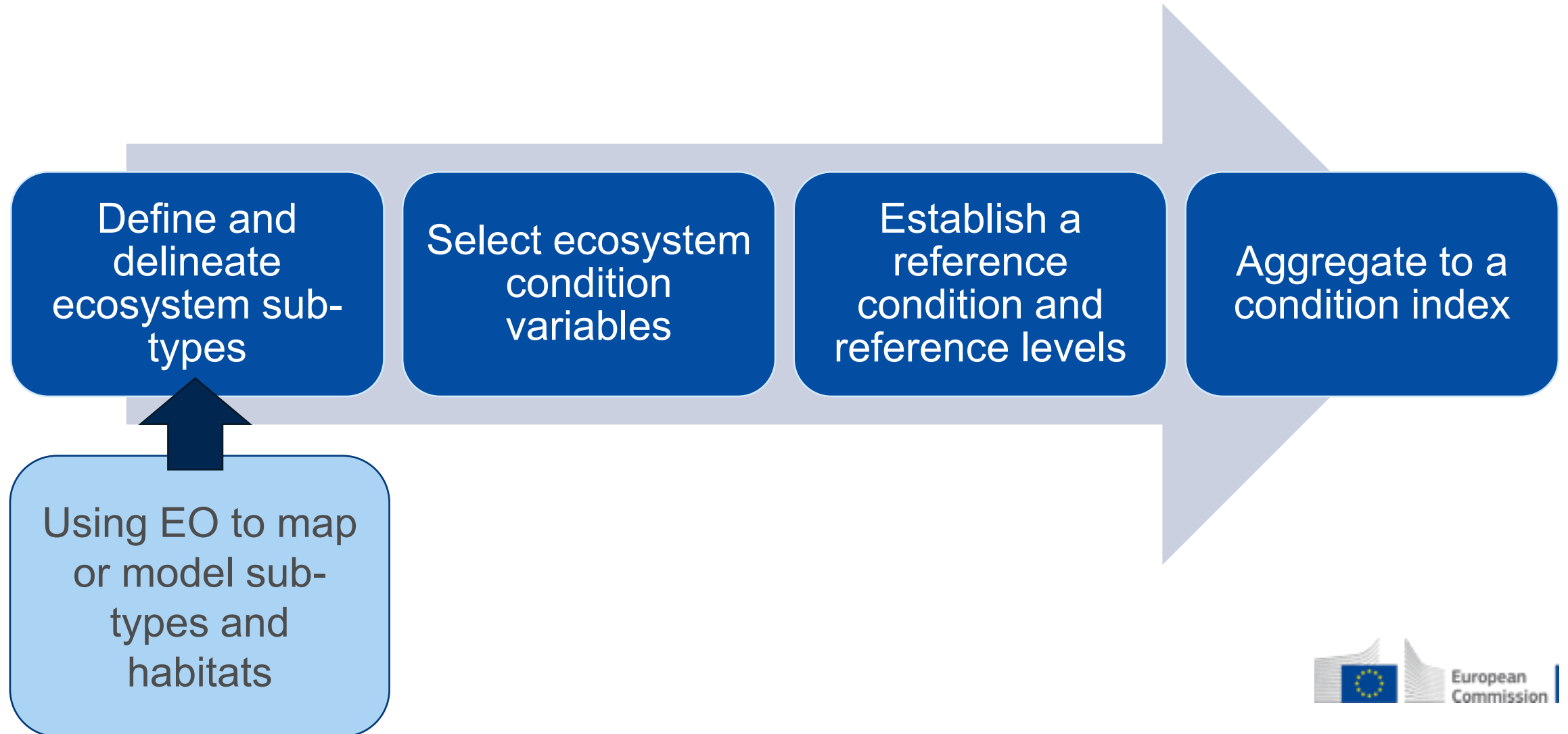
Key principles of ecosystem condition accounting

- 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.

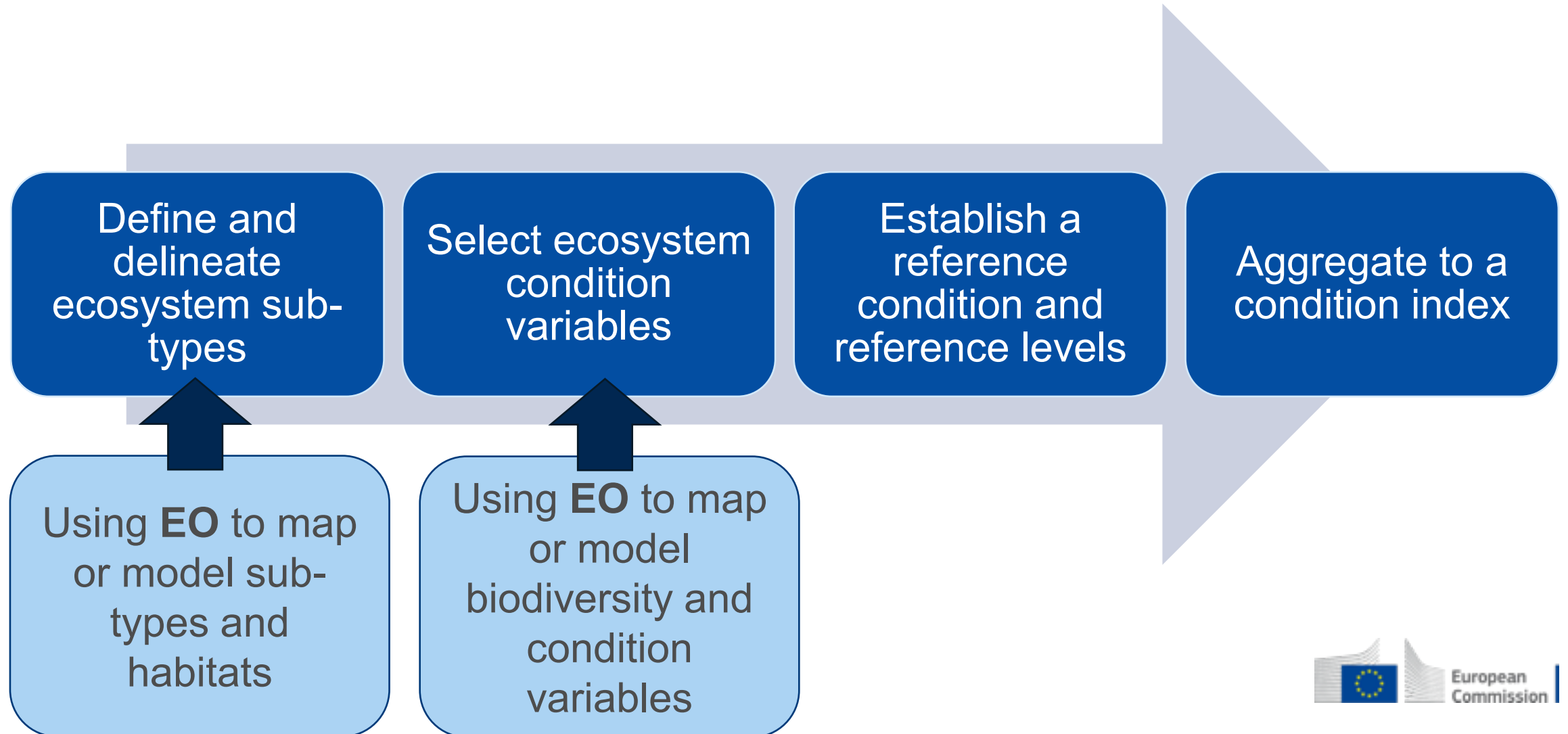
SEEA EA guidance to condition accounting



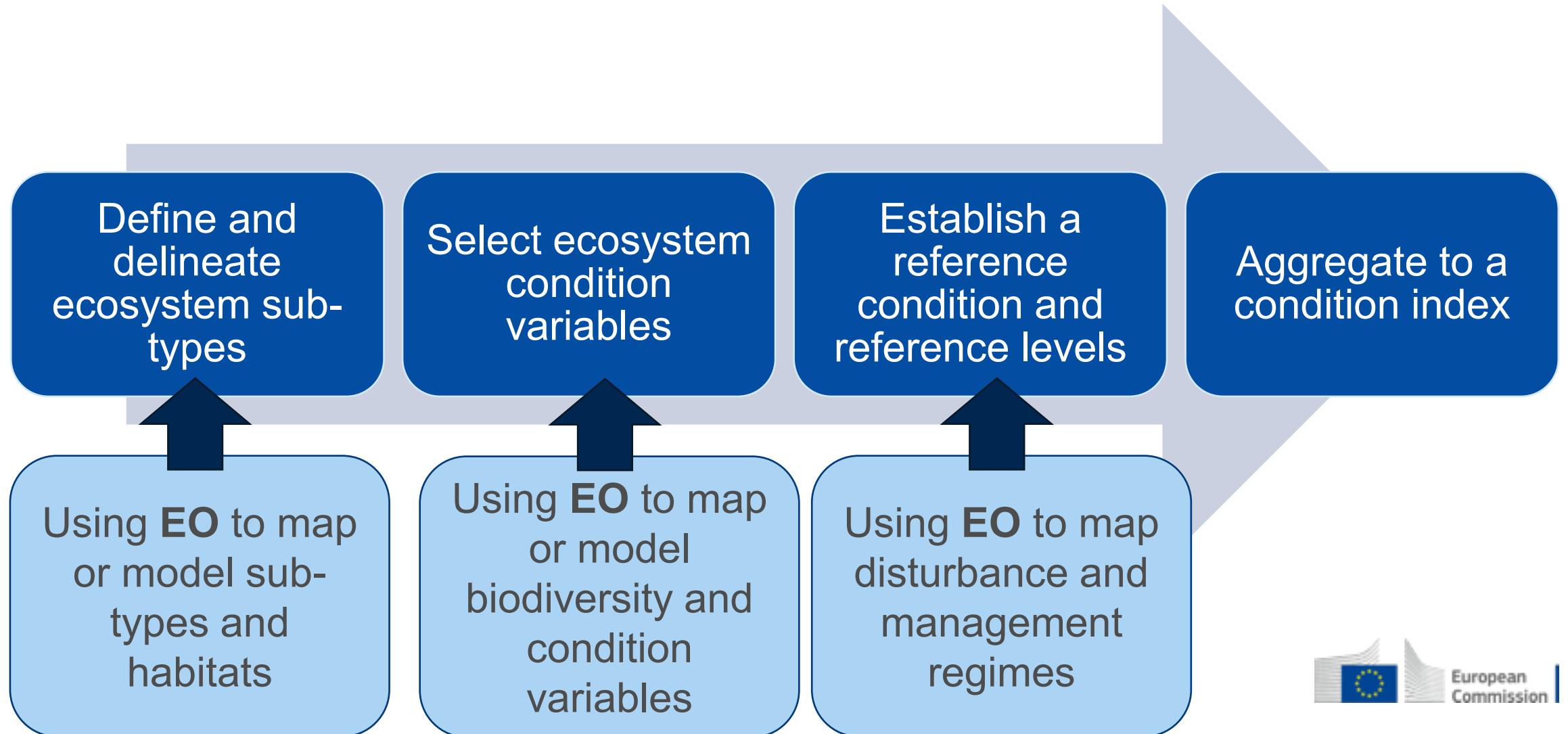
SEEA EA guidance to condition accounting



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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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