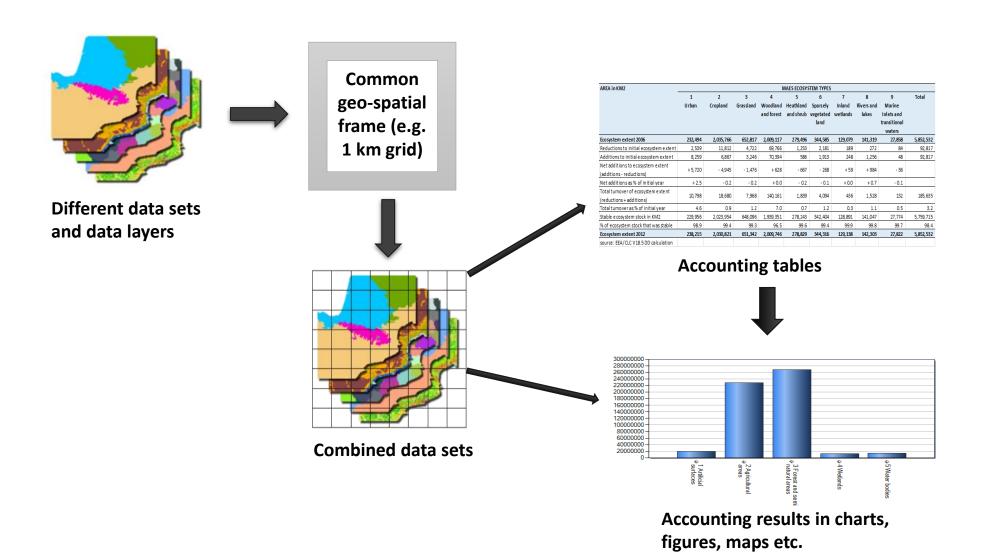
Developing a Shared Spatial Data Platform for Ecosystem Accounting in the EU

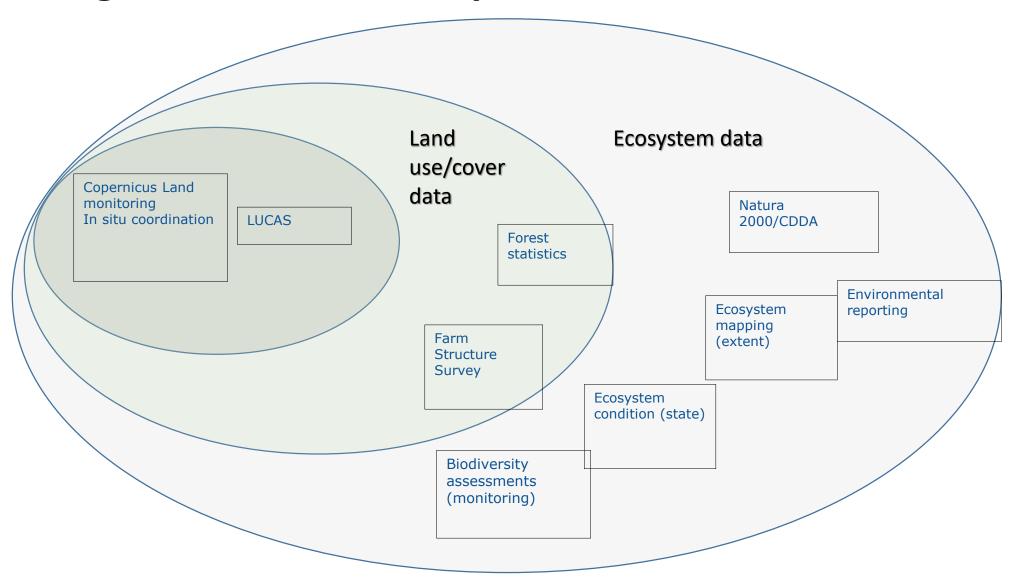
Jan-Erik Petersen (EEA)

20 June 2018

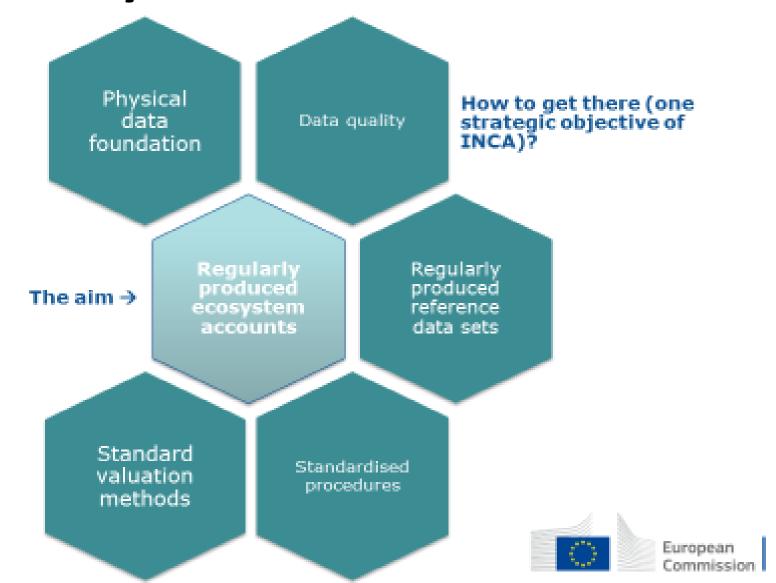
Goal: Sharing data via one (virtual) system



Starting point: many data relevant to ecosystem accounting but not in same spatial frame



Elements for a regular production of ecosystem accounts in the EU



What do we need – identifying functionalities

Potential functionalities (by order of difficulty):

- a) Documenting data sources and workflows for account production
- b) Providing structured and easy access to all existing data sets
- c) Development of shared spatial reference data on natural capital
- d) Enabling more efficient (machine-based) production of accounts in future

Sharing & using input data sets – key challenges

- Who are data suppliers? Is current set-up efficient for data access?
- How do we ensure common geometry and other key data standards for efficient data sharing and integration into different analytical tools.
- How to ensure there is only one master version per data set, how is that maintained/updated? Governance of that process?

- ⇒ We probably can build on past and current investments to enable access to data across the KIP INCA partners
- ⇒ Substantial investment is likely required if we want to achieve (more) automated regular production of accounts in the future

Developing shared spatial reference data

- 1) Identifying priority data sets (current work includes downscaled agricultural land use, 'integrated biodiversity data', landscape elements)
- 2) Where existing efforts/creative data combinations still leave gaps:
 - Are current EU plans likely to close identified gaps (e.g. via Copernicus)
 - O Do we need new monitoring or data collection schemes?
- 3) Where we create NCA reference data sets by joining forces: How to organise that? How to achieve regularity and future resourcing?

=> This is probably where KIP INCA can make a substantial difference

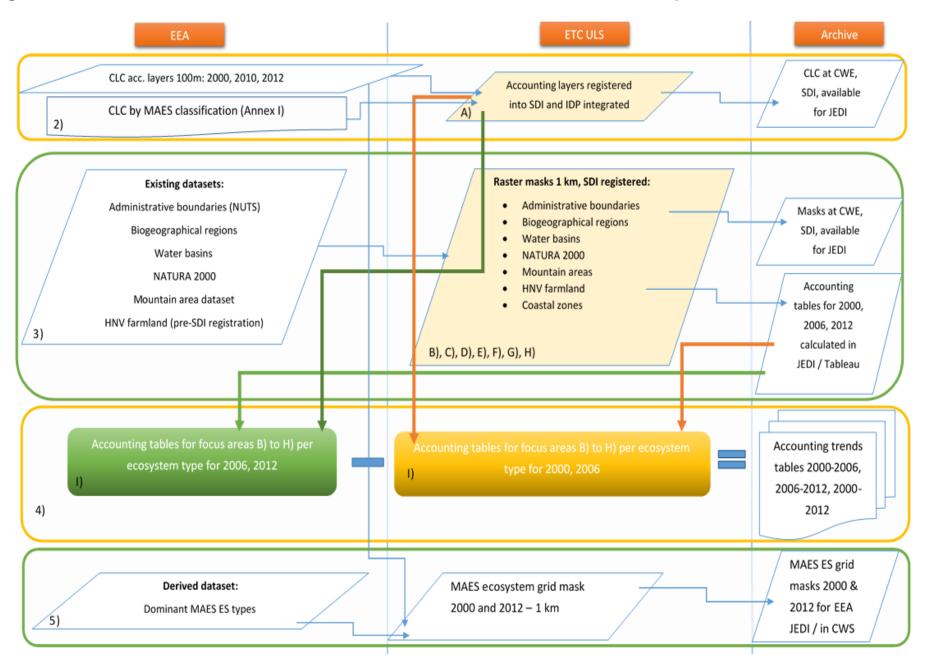
Ongoing work to identify useful functionalities

• KIP INCA Workshop on spatial data platform in March 2018, see:

https://projects.eionet.europa.eu/ecosystem-capital-accounting/library/workshop-kip-inca-spatial-data-platform

- Review and identification of priority natural capital data sets
- Survey of selected EU countries on national set-up for compiling and managing input data for ecosystem accounting
- Developing 'data architecture test cases' for individual ecosystem accounts

Example of data architecture test case (extent accounts)



Outlook and next steps

- Complete ongoing review in coming months
- Final proposal for technical design of spatial platform by autumn 2018, for review and resource decisions at management level
- Further development and roll-out of agreed elements in 2019
- Demonstrate full functionality of system during 2020 (on basis of integrating CLC 2018 data set and other refreshed or new data sets).

Thank you for your attention!