



# **ARIES for SEEA: a solution for NCA compilation**

Using natural capital data, tools and analysis to inform/support  
policies for nature protection

Nairobi, 7 September 2023  
African NCA CoP Policy forum



<https://swat.tamu.edu/software/plus/>



<https://naturalcapitalproject.stanford.edu/software/invest>



<https://aries.integratedmodelling.org/get-started/>



<https://ecosystemsknowledge.net/resources/tool-assessor/>



<https://naturebraid.org/>



EnSym

<https://www.environment.vic.gov.au/.../ensym-native-vegetation-regulations-tool>



<https://ecosystem-accounts.jrc.ec.europa.eu/about-inca>



- Programming & GIS skills required to run models



Applications to produce NCA results for pilot countries in the European Union.

- ✓ No programming skills to run the model
- GIS software plug-in
- Only available for Europe



Models based on production functions defining how changes in ecosystem structure & function affect ecosystem service flows & values across land- & seascapes.

- ✓ No programming skills to run the models
- ✓ Standalone application
- Intermediate GIS software skills required
- Need GIS mapping software to visualize results

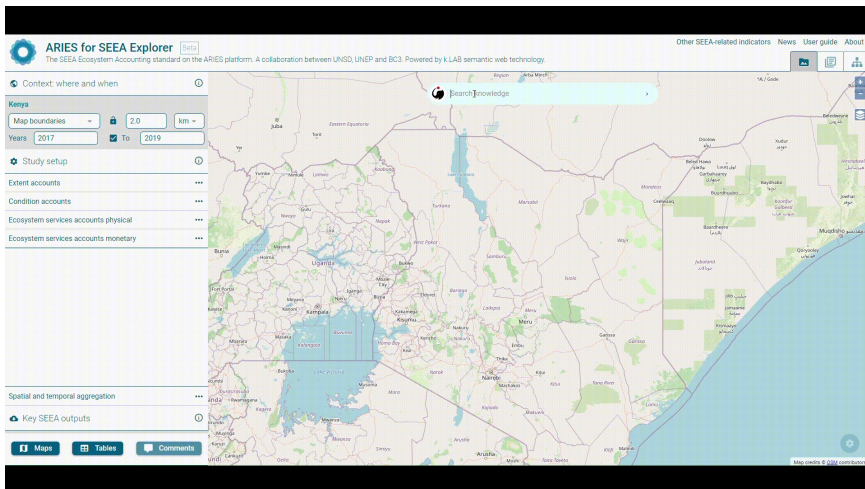


Online library of environment & sustainability models & data; Wikipedia-like archive of models grows in value to the scientific community with increasing use.

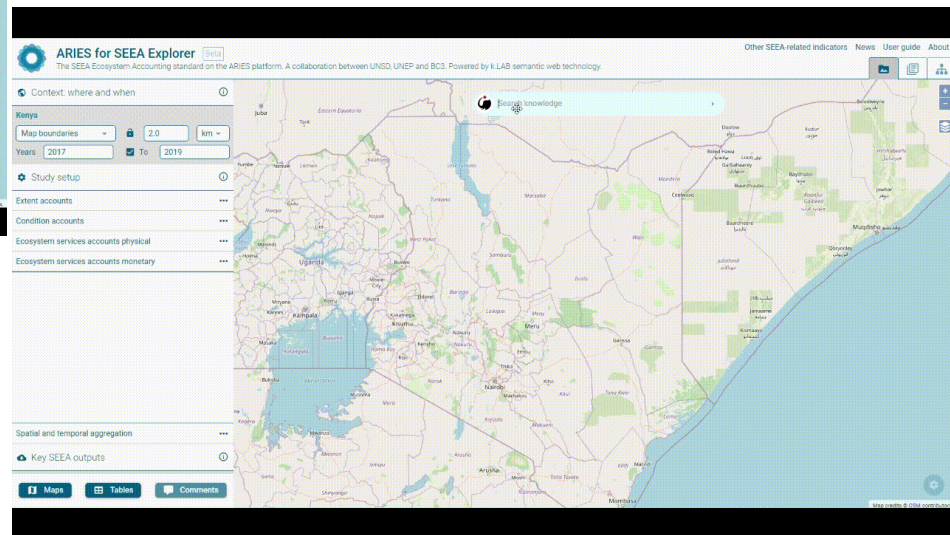
- ✓ Online free-access
- ✓ No programming skills to run the models, nor mapping software (GIS) to visualize results
- ✓ Integrated modelling platform: allows integration of other tools' models & data

Higher to lower barriers to entry

## Ecosystem type extent account



## Carbon regulation account

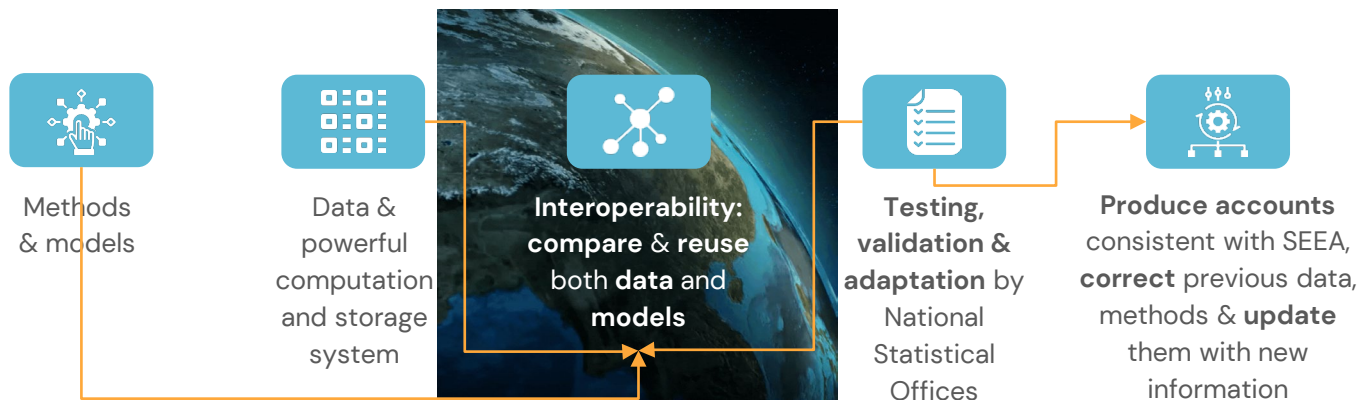


# ARIES for SEEA for rapid, standardized account creation

- Global, customizable (modular and holistic) models approach enables **SEEA EA compilation**<sup>1</sup>
- **Automate production** of accounting tables, maps & reports (automated but based on experts' input)
- Support adoption of SEEA EA providing an **easy-to-use application**:
  - I. help to jump-start NCA accounting in data-scarce contexts or countries with less experience
  - II. provide a tier 1 option on which countries can build upon adding local data & expertise
- Infrastructure for the SEEA community to **share & reuse** interoperable data & models



2021  
**AN INTEROPERABILITY  
STRATEGY FOR THE  
NEXT GENERATION OF  
SEEA ACCOUNTING**





**Thank you!**



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[www.aries.integratedmodelling.org](http://www.aries.integratedmodelling.org)