













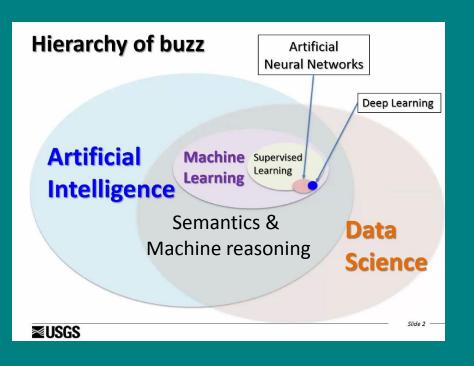


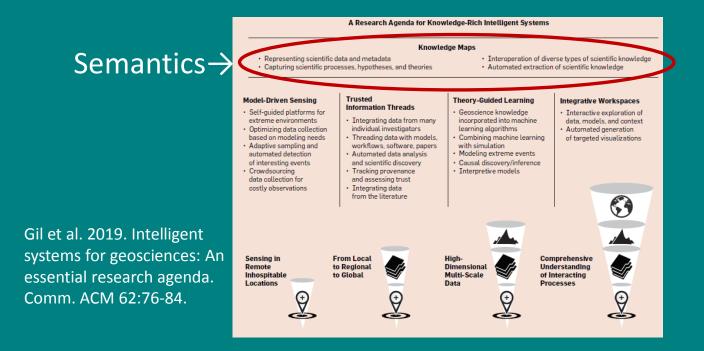






Artificial Intelligence for Environment & Sustainability (ARIES)





Reasoning algorithms

Decision rules

Multidisciplinary semantics

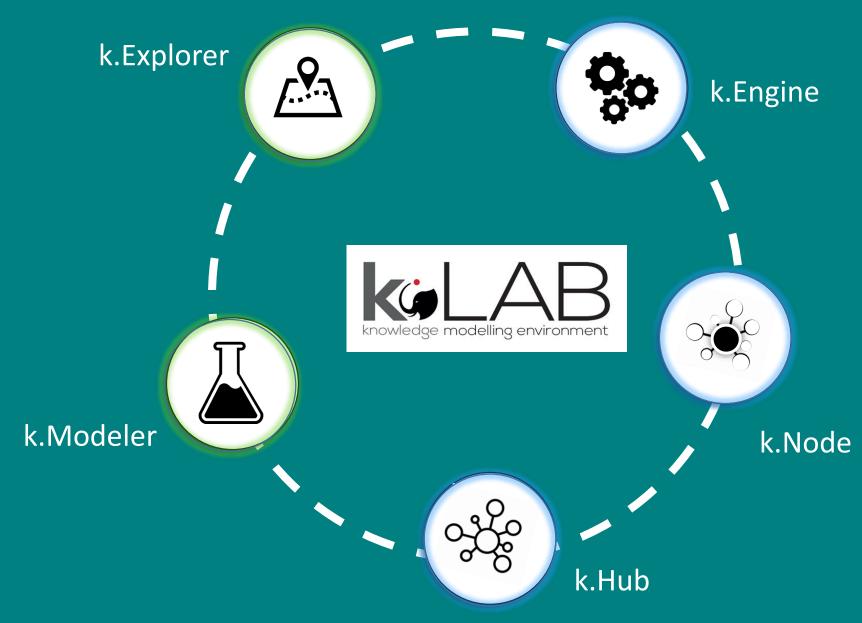
Open data & models

Open-source software

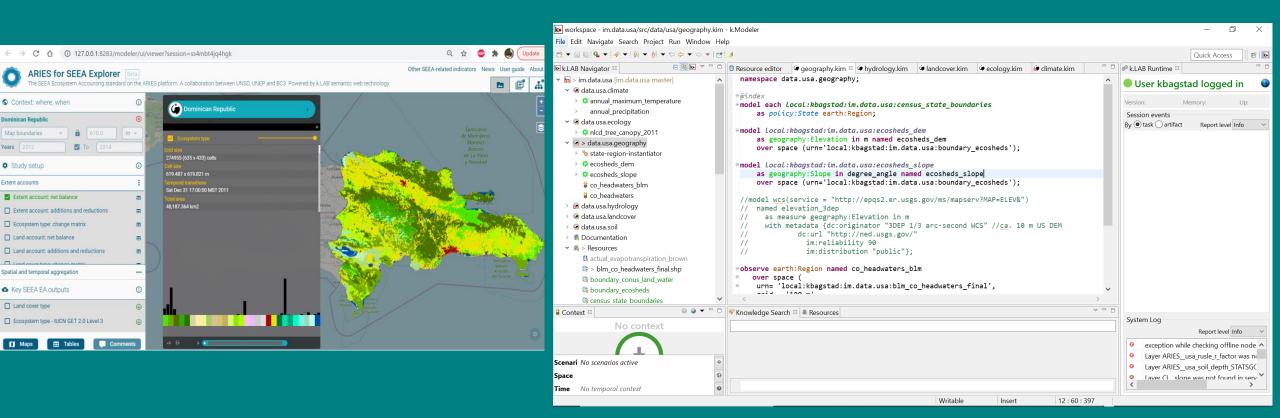
Fast, FAIR multidisciplinary modeling

The k.LAB stack: support for a semantic web of observations

Includes the k.IM language, the modeling engine and API, the node API, authentication hub, the modeler's IDE and user-end web tooling



Interfaces for nontechnical & technical users

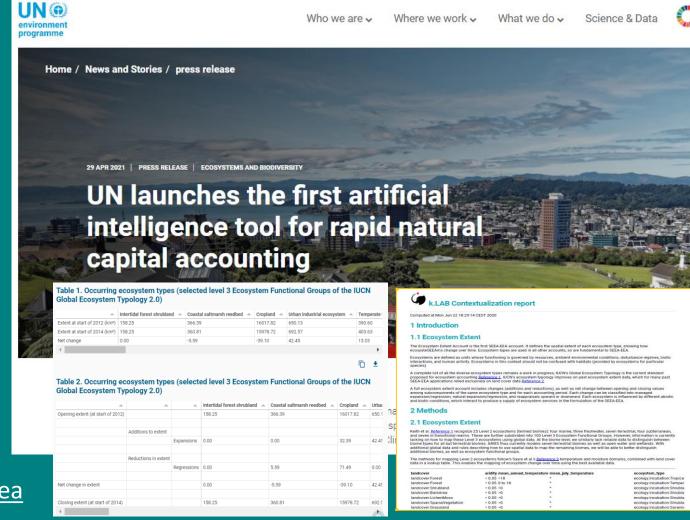


Access & run scientific models in minutes through a web browser, using cloud-based data, anywhere on Earth

Contribute & semantically annotate new data & model resources for reuse by scientific community & public

ARIES for SEEA: Rapid, standardized environmental-economic accounting

- Global, customizable models approach enables SEEA EA compilation anywhere & improvement with local data where available
 - Fast & easy to learn
- Automate production of maps & tabular output
- Infrastructure for the community to share & reuse interoperable data & models



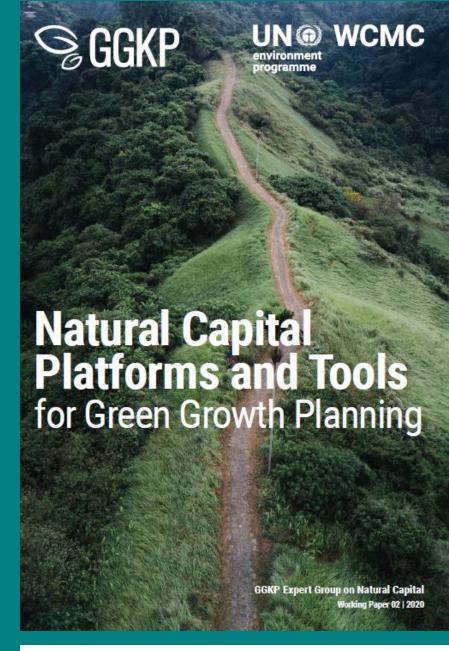
https://seea.un.org/content/aries-for-seea

Toward a shared vision

SEEA accounts & related indicators will be:

- 1. rapidly recompilable as new science emerges,
- quickly produced to show the most recent trends as new annual data become available, with
- robust international comparisons possible from common global data, while country-specific customization is still easily done.

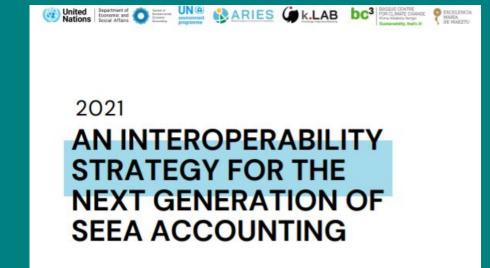
This vision moves high-quality, meaningful information from scientists into the hands of decision makers, the public, and the media as quickly as possible.





SEEA interoperability strategy

- 1. Current state of interoperability & vision for the future
- 2. Roles & responsibilities (data providers, modelers, institutions incl. NSOs)
- 3. Implementing the strategy (pilot testing, engaging key stakeholders, governance, training/capacity building)
- 4. Conclusions





https://seea.un.org/sites/seea.un.org/files/interoperability_strategy_draft.pdf