Semantics & environmental-economic accounts of ecosystem services

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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,

2. quickly produced to show the most recent trends as new annual data become available, with

3. 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