



B1 “Services provided by ecosystems”

Experiences of Statistics Netherlands

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Expert Group Meeting SEEA related GBF indicators; feb 10–12, 2026

Institutional arrangements: context

- Stage 1: Initial development of SEEA ecosystem accounts funded by consortium of three ministries:
 - Ministry of Economic Affairs
 - Ministry of Infrastructure and Water Management
 - Ministry of Agriculture, Fisheries, Food Security and Nature
- Stage 2: Further development funded by just one ministry
 - Ministry of Agriculture, Fisheries, Food Security and Nature
- Stage 3: Ecosystem accounting part of Eurostat regulation
 - Core accounts: StatNL / Ministry of Economic Affairs
 - R&D and policy applications: Ministry of Agriculture, Fisheries, Food Security and Nature



Institutional arrangements

CBD Focal point: *Ministry of Agriculture, Fisheries, Food Security and Nature*

- Statistics Netherlands pro-actively contacted the ministry to highlight the links between the GBF and (SEEA conforming) statistics
- Development of GBF indicators was secured in our annual working plan for the ministry
- The Ministry commissioned the compilation of the report to “Wageningen University & Research, Statutory Research Tasks Unit for Nature & the Environment”.
- The Task Unit asked StatNL to provide the SEEA-related indicators (including A2 and B1)

Status

- Complete set of SEEA ecosystem accounts
 - Extent: annual ecosystem type map
 - Condition: Eurostat indicators developed
 - Ecosystem services
 - 13+ services (biophysical and monetary)
 - Supply and Use tables
 - Time series from 2013 (now: 2016) onward
 - Ecosystem Asset Account
 - Misc. experimental / one-off accounts
 - Biodiversity account
 - Carbon account
 - Ocean account (Dutch North Sea)
- Indicators A2 and B1 have been compiled and shared with Wageningen Research
- Final report almost ready to submit to CBD



Provisional ecosystem services

- Crop production (mass)
 - Agricultural Statistics; agricultural satellite accounts; parcel-scale crop maps
- Fodder/grass production (mass)
 - Agricultural Statistics; parcel-scale crop maps
- Timber production (volume)
 - National forest inventories; literature (FAWS/NAWS), itself based on NFI
- https://www.cbs.nl/-/media/natuurlijk-kapitaal/nca_nl-technical-report-2025.pdf

Regulating ecosystem services

- Water purification (volume)
 - (National Groundwater Register); annual extraction data from sector organization
- Air filtration (mass)
 - PM2.5 concentration maps; climate statistics; ecosystem type map; literature
- Carbon sequestration (mass C):
 - Ecosystem type maps; literature
- Carbon retention (mass C)
 - Soil carbon map; (3D geological model of the Netherland)
- Rainwater regulation (vol. / hr);
 - Ecosystem type map; vegetation structure; literature.
- Coastal protection (Area);
 - Ecosystem type map; location of primary coastal defences
- Pollination (mass)
 - Ecosystem type map; parcel-scale crop map; literature
- (Local climate regulation / UHI mitigation)
- (Pest control)

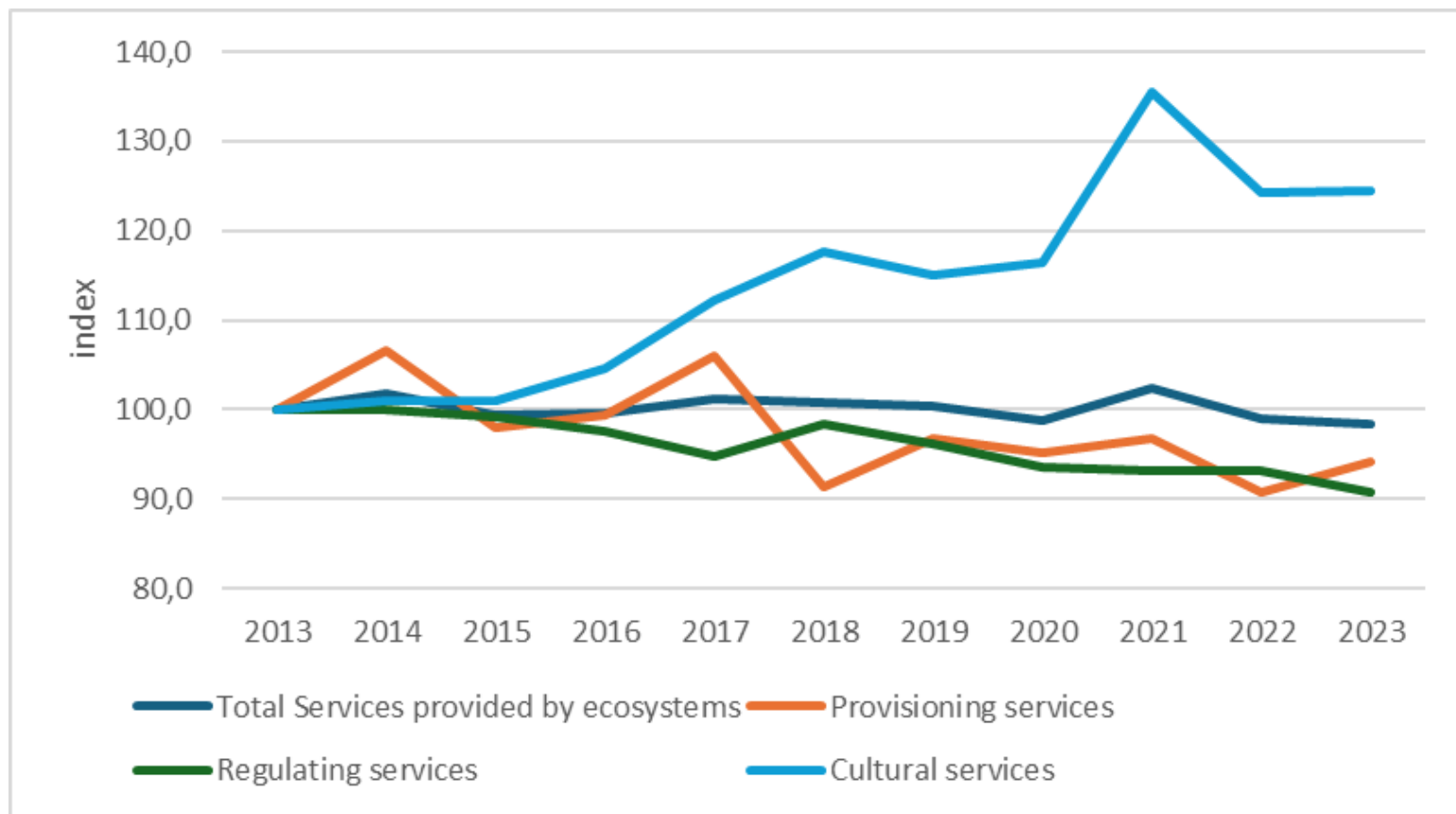


Cultural ecosystem services

- Nature-oriented tourism
 - Survey data; tourism satellite accounts; ecosystem type map
- Nature-oriented recreation (hiking)
 - Survey data; ecosystem type map; population density map; road and path network maps
- Amenity service
 - Real estate value data; ecosystem type map; locations of high-value / other nature



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Challenges and lessons learnt

- Sustainable use
 - All ecosystem types and services;
 - Actual use recorded
 - No feedback with condition/ pressures
 - Final ES does not always reflect ecosystem contribution
 - Example: crop provisioning.
- Sometimes less is more
 - Example: air filtration)
- Overseas territories
- the reporting exercise has clarified key needs for improved capacity, data alignment and indicator development
- [clarified] the importance of differentiated approaches within the Kingdom.
- Awareness that institutional basis for the Caribbean part of the Kingdom is limited.



Facts that matter