



# Natural Capital Accounting for the Sustainable Development Goals

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# How can NCA support the SDGs?

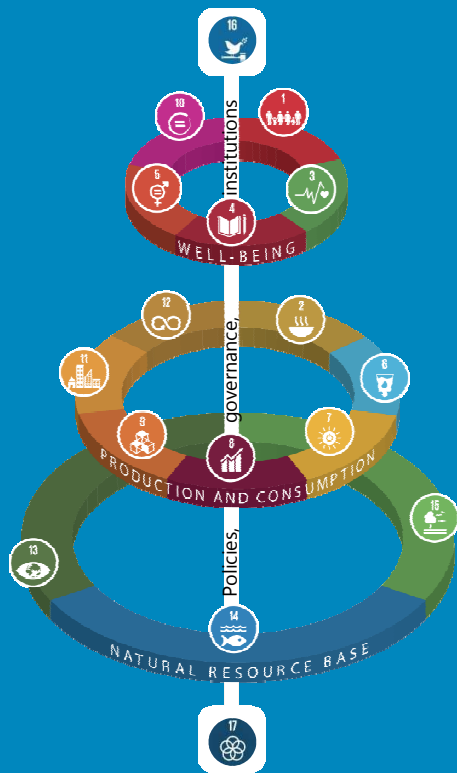
- What are current and potential uses of NCA?
- How does NCA support evidence-based SDG policies?
- Which institutional hurdles prevent an enabling SDG environment?





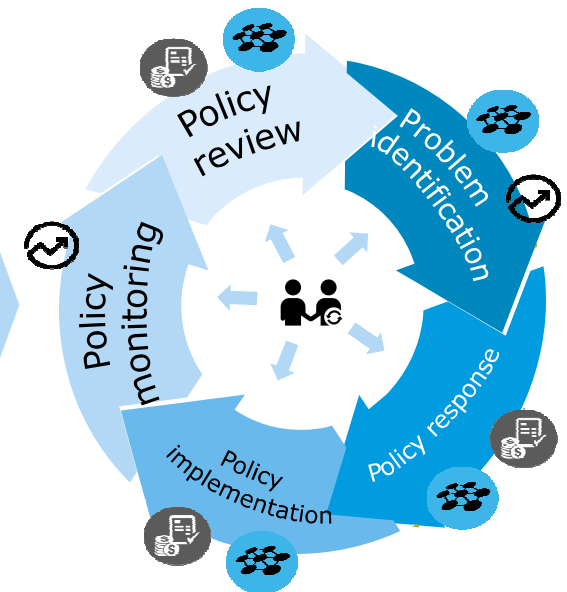


# Clusters of Sustainable Development Goals



## SDG related policy issues

- Status and trends
- Understand synergies / trade-offs
- Analyse governance/ policy alternatives
- Institutional embedding



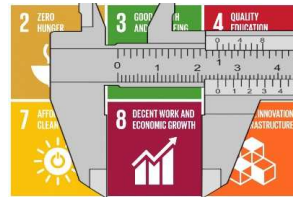




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# 1: FOCUS ON MONITORING STATUS AND TRENDS










- Most attention goes to measuring progress.



- NCA is helpful for a broad range of indicators.





Account	2 ZERO HUNGER 	6 CLEAN WATER AND SANITATION 	7 AFFORDABLE AND CLEAN ENERGY 	8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	11 SUSTAINABLE CITIES AND COMMUNITIES 	12 RESPONSIBLE CONSUMPTION AND PRODUCTION 	14 LIFE BELOW WATER 	15 LIFE ON LAND 
Land	sustainable agriculture					land use, built up area		protected areas	green cover index
Energy			energy access / intensity		energy intensity		fossil fuel subsidies		
Water		sanitation services, water use							
Materials		water bodies with quality problems	carbon intensity	resource productivity	material use per VA	solid waste collected	material footprint, recycling	nitrogen use efficiency	
Aquatic resources								sustainable fish stock	
Agric., forest. and fisheries	production per labour unit							fisheries as % of GDP	
Environm. Activities						budget for natural heritage	fossil fuel subsidies	fishery subsidies	
Ecosystems		change in wetland extent							land degradation
SNA	agricultural orientation	water use efficiency	energy intensity	GDP from tourism	energy intensity, CO <sub>2</sub> -emission		fossil fuel subsidies		





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# 1: Focus on Monitoring status and trends

- › Most attention goes to measuring progress.



- › NCA is helpful for a broad range of indicators.



- › Monitoring seems to be more top-down than bottom-up





	Decision making phase	1. Identification of issues	2. Policy response	3. Policy implementation	4. Policy monitoring	5. Policy review
<-- Increasing level of integration <--	Indicators					
	Network analysis					
	Trend analysis					
	Extrapolations					
	Footprint analysis					
	Scenario Analysis					
	Integrated assessment					
	Business case					
	Cost-Benefit Analysis					
	Econometric analysis					
	Input Output Analysis					
	Partial Equilibrium models					
	General equilibrium models					

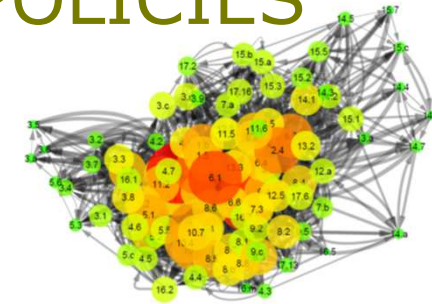




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## 2: NCA IS HELPFUL FOR PREPARING SDG POLICIES

- There is increasing attention for interlinkages.
- Methods currently used pay little attention to NCA.
- Methods closely related to NCA receive little attention.







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### 3: NCA ENFORCES ENABLING INSTITUTIONAL CONDITIONS

- NCA brings rigour to foundational SDG data
- System-based framework
- Collaboration beyond departmental boundaries.







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## CONCLUSIONS

- Unexploited potential to use NCA for the SDGs.
- Move beyond monitoring, but also look at synergies and trade-offs.
- Let policy-analysts participate.







Thank you for your attention

Arjan Ruijs





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# How can NCA support the SDGs?

## Natural Capital Accounting

- Integrated approach
- Economic role of natural capital
- Data for estimating indicators
- Shows synergies and trade-offs
- Requires data-sharing

## Sustainable Development Goals

- Integrated policy agenda
- Economy, society and environment
- Monitoring goals and targets
- Searches for synergies
- Requires a joint policy process

