





Berlin Brussels Vienna Washington DC



IN-STREAM WP 2 Qualitative evaluation of indicators

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WP 2 – Main research objectives

- Methodological and institutional issues of selected indicators
- Suitability of indicators to implementation in the EU policy context
- Modifications to and uses for indicators that will improve their usefulness





Indicator selection

Filters

- Relevance to EU policy
- Bridging of SD/economic divide
- Feasibility of analysis
- Progress beyond the state-of-the-art
- Little overlap with other efforts

Criteria

- Quantifiable vs. non-quantifiable
- Stock vs. flow
- Social vs. environmental
- Mix of indicator types





Indicators analysed under WP 2

- Gross domestic product (GDP)
- Adjusted Net Savings (ANS)
- The System of Integrated Environmental and Economic Accounting (SEEA-2003)
- Basket of resource indicators (EF, EMC, HANPP, LEP)
- Common bird index
- Favourable Conservation Status (FCS)
- Marine Trophic Index (MTI)
- Red List index
- Potentially Disappeared Fraction (PDF)
- GDP GHG intensity
- GDP Energy intensity
- Per capita waste generation and energy from waste
- Human Development Index
- Happy Planet Index
- National Accounts of Well-being

 \rightarrow Evaluations in D2.1 and D2.2 (forthcoming)



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Evaluation method applied: RACER Analysis

- Relevant i.e. closely linked to the objectives to be reached
- Accepted e.g. by staff and stakeholders
- Credible for non experts, unambiguous and easy to interpret
- **Easy to monitor** e.g. data collection should be possible at low cost
- **Robus**t e.g. against manipulation



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Example: Potentially Disappeared Fraction (PDF)

- Meaures biodiversity loss in terms of number of species (vascular plants) missing due to land use change
- Unit of measurement: ratio relative difference between # species in reference condition (S ref) and after land use conversion (S use) PDF = 1 - S use
 - S ref
- Data: CORINE land use maps & data on vascular plant itineraries + database on restoration costs. Recalculated for each project that uses it





The EU's post-2010 biodiversity strategy

- Objectives:
 - Halting the loss of biodiversity and ecosystem services in the EU by 2020;
 - Restoring them in so far as feasible;
 - Stepping up the EU contribution to averting global biodiversity loss.
- Evaluation of policy options
- Impact assessment





PDF – Racer Analysis (carried out by IEEP)

Relevant	 + incorporates indirect measures of pollution (acidification, eutrophication), can track changes through time, ready for implementation in EU - Comparison with baseline rather than target, no forecast
Accepted	+ Used by UNEP - Not used in EU
Credible	 + theory unambiguous, transparent methodology - S ref data collection involves subjectivity
Easy	+ species richness techniques are well understood, data available for major EU biomes
Robust	- Simplistic assumptions, spatio-temporal generalisation, does not recognise nonlinearity of ES, potentially unreliable data for S res, focus on vascular plants only

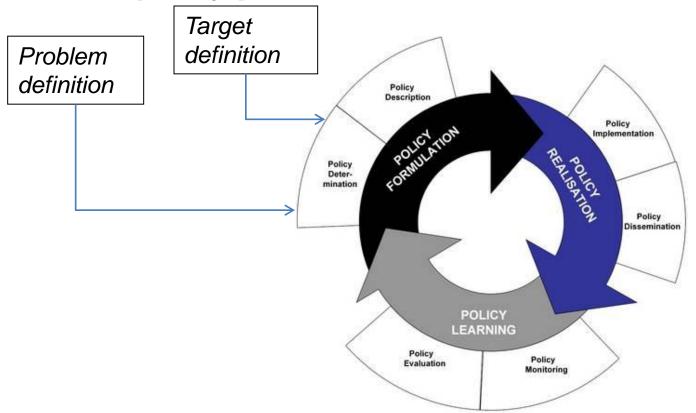


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RACER in the policy process







Thank you!

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