



A comprehensive monitoring system for the BioEconomy

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General principles

- The aim: A sustainable circular BioEconomy
- Sustainability: environmental, social, economic
- Monitoring: show trends, allow checking that the BioEconomy moves in the right direction



JRC approach

- Don't re-invent the wheel: use existing indicators
- Examples:
 - SDGs and related indicators (select)
 - Circular Economy: Eurostat develops indicators
 - Food first BioEconomy: FAO develops indicators
 - Some MS developing indicators



JRC approach

- Dashboard: set of indicators; user selects
 - Example SDG dashboard: http://www.sdgsdashboard.org/
- Systems level approach:
 - BE includes and touches many sectors
 - Positive & negative interactions: Synergies & Trade-Offs



The monitoring system will be accessible via the Commission's Knowledge Centre on BioEconomy; it will:

- be developed for EU level, MS as smallest unit:
 - EU monitoring system must be compatible with MS monitoring systems;
 - MS monitoring systems must be compatible with regional monitoring systems
- cover TRADE to monitor importing and exporting socioeconomic and environmental impacts through our consumption
- cover all three dimensions of sustainability
 - Environmental
 - Social
 - Economic
- focus on synergies and trade-offs as main difference between a BioEconomy approach and a sectoral approach, looking at separate economic sectors somehow related to the production and use of biomass.



Rural regions

- BioEconomy plays a significant role in many rural regions
- Developing the rural BioEconomy makes sense
 - New business opportunities and jobs
 - Higher part of value added remains in the rural region
 - Exploiting competitive advantage like biomass potential
 - Synergies between environment and biomass use are possible but require knowledge and thinking out-of-the box



Rural regions Which data & indicators?

- Which data are available describing the BioEconomy?
- Which data are available to describe the state of
 - The social fabric (population density, age distribution,...)
 - The economic situation (jobs, value added, income, ...)
 - The environmental situation (biodiversity, soil status, ...)
- Which indicators are used by
 - Local & regional planner / decision maker
 - Investors;
 - Citizen judging the quality of life.



JRC dialog with Stakeholder

- Collaboration with MS and other stakeholder
- Survey (also to ERDN-BioEconomy?)
 - Expectation for the monitoring system
 - Indicators currently in use
 - Data availability



Contact in the JRC



