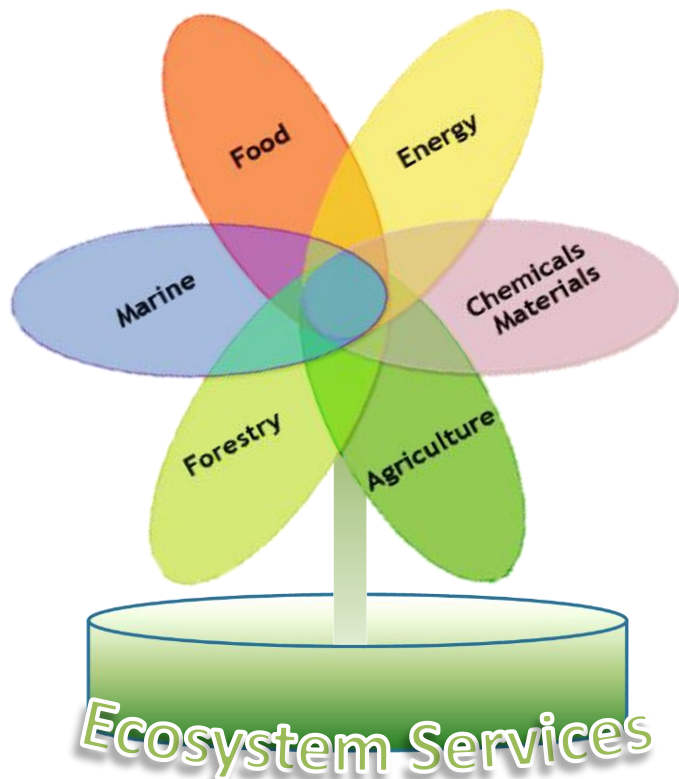


Bioeconomy from a SCAR and EU member state perspective

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Scope



- * Bio-economy is a broad field ranging from Agriculture, forestry, food and marine life to production of non-food materials.
- * All bio-economy areas already have their own strategy, actions and innovation.
- * Bioeconomy is in transition;
 - * More bio based opposite petrol based
 - * Circular opposite linear
 - * Climate smart
 - * More sustainable
 - * Better business cases
- * Key message 1: Balanced attention is required for all the (knowledge) demands in the bioeconomy. As areas influence each other, added value is in cross-overs and in an integrated approach.

Results of SCAR work: joint questionnaire

Results 18 responding Member States:

- * 4 countries have one integrated strategy, 5 have some kind bio-economy policy, many countries still show work in progress. 2/3 of the countries use a definition similar to the Commission's.
- * public policies/national strategies have different drivers. Most common are: Societal challenges; new business opportunities/employment and of course sustainability.
- * Different language, strategies, instruments chosen to support innovation and research. A good overview on innovation instruments is missing.
- * Common principles are developed in different countries: food demands take priority over other demands, cascade use of biomass needed, market driven approach, equal benefits in the value chain. Also see the foresight.
- * More info on Scope, drivers and barriers on the website <https://www.scar-swg-sbgb.eu/> or observatory website: <http://ec.europa.eu/research/bioeconomy/observatory>

Key message 2: Agree on common principles. Role of SCAR in supporting this discussion.

KIA : research needed?

Biomass and cross overs

Focus in research & innovation agenda on biomass production and cross overs.

Biomass:

- * Produce more biomass with less inputs given available land;
- * Use available biomass more efficiently (larger part of the product, use “waste” and by-products, prevent losses);
- * Develop new biomass potential.

Focus on opportunities in the cross overs of the areas

- * All societal challenges/areas should create space for bio-economy research and opportunities;
- * Cross overs between areas are very interesting but difficult to organise : bottom up, not address specific amount of budget;
- * Connect the different areas and stimulate this as MS and Commission.

[Key message 3: stimulate research cross overs between areas of bio-economy. See leaflet](#)

sustainability : Integrated Indicators needed ?



- * Define indicators of biomass sustainability in consensus
- * Seek inspiration in other schemes
- * Align with the PEF (Product Environmental Footprint) on the environmental area
- * Include also social and economic aspects
- * Allow for a differentiated thresholds in sustainability assessments
- * Develop general criteria and specific criteria adapted to local context or field
- * Focus on connections between fields in the bioeconomy

Instruments

Stimulate innovation:

- * A market driven approach, regarding the whole chain and fair distribution of benefits within the chain;
- * Working on the cascade principles;
- * interactive innovation approach: working with PPP, multi-actor innovation and learning networks;
- * Capacity building, knowledge networks and dissemination needed: EIP-Agriculture?
- * Joint use pilot facilities ?

Sound policy needs targeted research:

- * Reality difference from models, need different kind of research;
- * More attention to good examples, smart solutions, etc.

[Key message 4](#) adopt the interactive innovation approach already developed and invest in capacity building and give attention to type of research needed for sound policy.

Governance

1. Governance: within the bioeconomy there is no level playing field, difference in speed of innovation, variation in supply,
2. Need to align the regulations in this new context.
3. Need for better interaction between different fields in the bioeconomy, f.i. bioeconomy council, global network ?
4. Use same terminology, clear drivers, find targets.

Bioeconomy Manifest launched

- * Last April in Utrecht a Bioeconomy manifest was launched. See website:
<http://www.bioeconomyutrecht2016.eu/>
- * It is a stakeholders Manifest, gives stakeholders opinion and actions they will do themselves
- * Challenges and opportunities/ guiding principles / actions