

Joint Research Centre

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JRC Biomass Assessment study

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EUBCE 2017 - Stockholm, 13 June 2017



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The biomass mandate

Mandate to JRC on global and EU biomass supply and demand on a long term basis

Overarching JRC study on biomass

Approved (2015) by 12 policy DGs at Directors level

RTD, SG, AGRI, CLIMA, DEVCO, ENER, ENV, GROW, MARE, MOVE, REGIO and TRADE

ISG Biomass chaired by RTD

Scope of the JRC biomass study

Assessment of EU and global biomass **supply, demand, flows and sustainability** (incl. gaps and uncertainties)

Scenarios and projections for biomass supply and demand and their respective impacts (2020-2030-2050)

Covering **all sources** of biomass and **all uses**

Addressing **impacts** linked with production and use of biomass, **competition and synergies** between sectors for biomass resources

Long-term institutional commitment

JRC Directorates and Units involved

D. Sustainable Resources	C. Energy, Transport and Climate
<u>D1. Bioeconomy</u>	C2. Energy Efficiency & Renewables
D2. Water & Marine Resources	C4. Sustainable Transport
D4. Economics of Agriculture	C7. Knowledge for Energy Union
D5. Food Security	
D6. Knowledge for Sustainable Development & Food Security	

Building blocks 1 and 2

Block 1 - Literature review and existing datasets

Taking stock of recent studies and available datasets on biomass supply, uses, flow, prices and costs



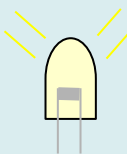
Grey literature



Peer-reviewed literature



Datasets



Existing knowledge

- Taking stock of the existing
- Bio-physical assessment
- Reference database

Block 2 - Assessment of current biomass supply and potential

Bio-physical assessment of **current** EU and global biomass **availability and potentials**; setting up of **reference databases**



Forestry



Agriculture

Harmonise datasets



Biomass resources



Fisheries and aquaculture



Algae

Waste



European
Commission

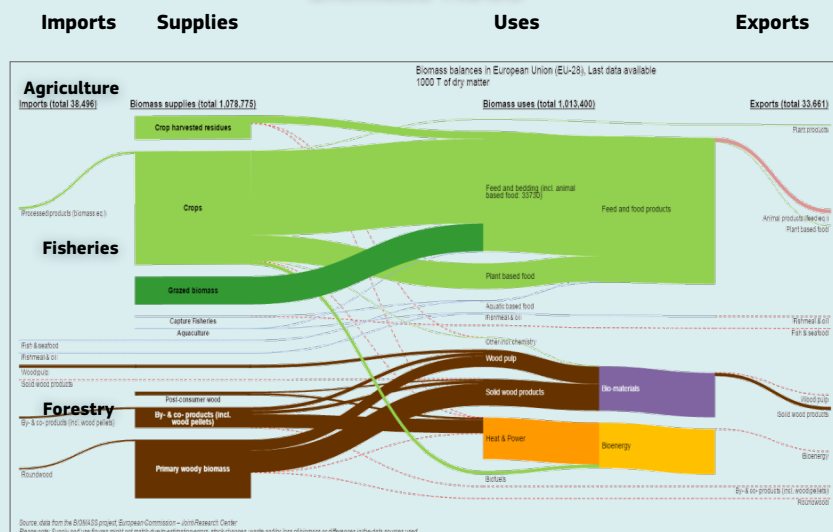
Building blocks 3 and 4

Supply chains end products & demands

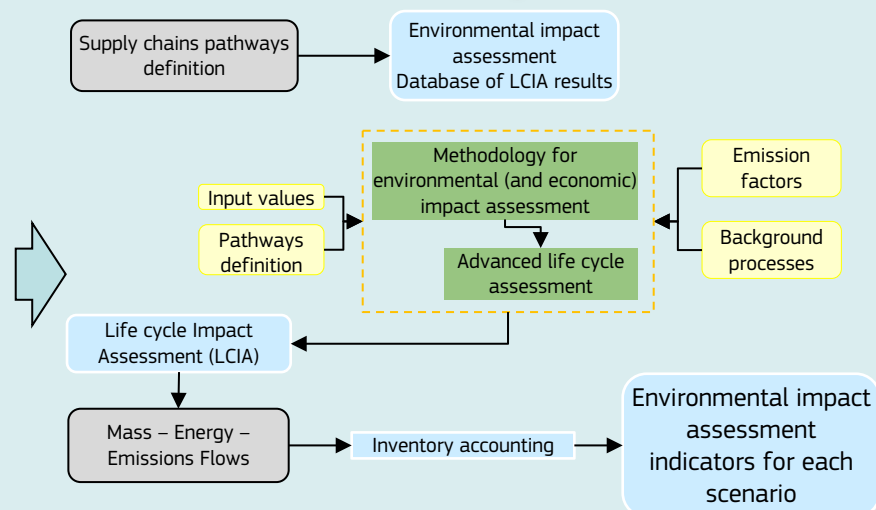
Analysis of current EU and global biomass **supply chains** of primary and secondary products; biomass flows, cost analysis, environmental **impacts and sustainability assessments**

Analysis of **current** EU and global **demands** of biomass end products; trends, prices, competitions and synergies among sectors and uses

Biomass flows



Environmental impacts

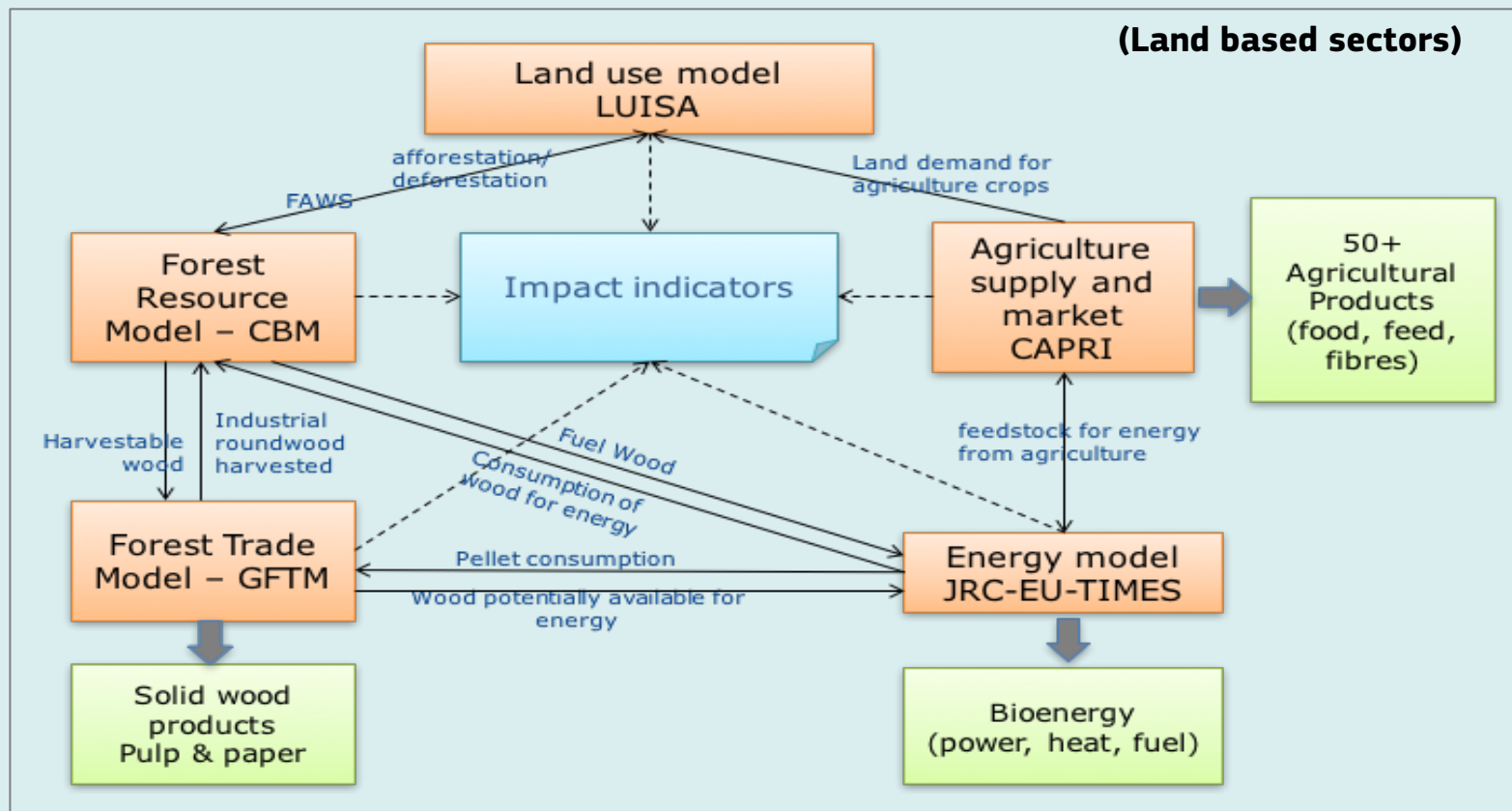


Social and economic dimensions to be addressed

Building block 5

Modelling and future prospects

Set up and implementation of the modelling framework for the **prospective analysis** of future biomass supply and demand and their respective impacts with time perspectives 2020-2030-2050



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THANK YOU

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