



Delivery of sustainable supply of non-food biomass to support a “resource-efficient” bio-economy in Europe

S2Biom Toolset

**AN EXPLANATION OF HOW TO EXPLORE
THE DATA SETS AND USE THE
PLANNING TOOLS**



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www.s2biom.eu

About S2Biom Toolset

The **S2Biom project** has developed sophisticated but still user friendly **computerised toolset** which is intended to aid research, industry and policy makers in their work. This service is free of charge and open to everyone.

S2Biom covers data for EU28, Western Balkans, Moldova, Turkey and Ukraine.

What types of biomass are included?

S2Biom provides data on **lignocellulosic biomass**:

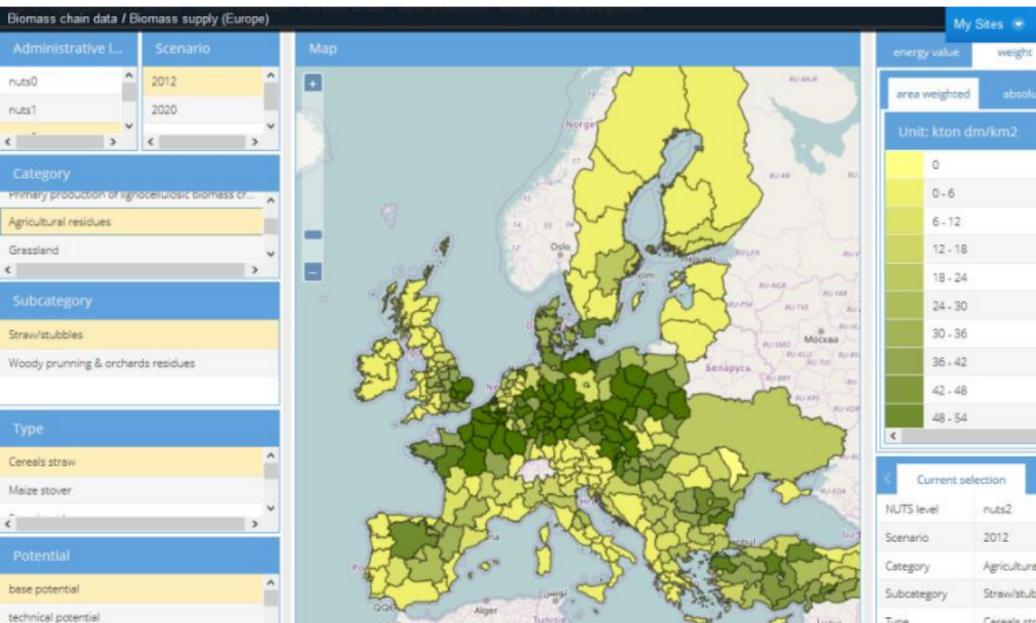
- **Forest biomass** from primary forestry production
- **Forest industry residues**
- **Agricultural biomass** from primary field activities
- **Agricultural residues**
- **Biowaste and post-consumer wood**
- **Dedicated perennial crops**

Who will use the S2Biom toolset?

- **Researchers**
- **Policy makers**
- **Regional and development planners**
- **Investors and biomass project developers**



The Biomass Supply & Cost tool



Use this tool to find out:

- Where is biomass found?
- What is sustainable potential of biomass for 2030?
- Which biomass and how much is available in your region?
- How much does it cost?

Biomass supply and cost information is spatially detailed up to regional (**NUTS3**) level.



Biomass & Technology matching tool 'Bio2Match'

Use this tool to find out:

- Which conversion pathways are appropriate for biomass in your region?
- Is there a need for biomass pre-treatment?

The screenshot displays the Bio2Match interface. On the left, there are two columns for selecting biomass types and conversion technologies. The 'Columns - Biomass types' includes categories like 'Production from forests', 'Agricultural residues', and 'Secondary residues from wood industries'. The 'Rows - Conversion technologies' includes 'Syngas platform', 'Gasification technologies', 'Anaerobic digestion', 'Biochemical treatment', and 'Fast pyrolysis'. The central 'Match' table shows compatibility for various biomass types across different technologies. The 'Matching overview' table below provides a detailed comparison of 'Cereals straw' biomass with 'Grate boiler with wood chips' conversion, listing properties like ash content, bulk density, and chlorine content, along with their match status (Physical match, Fundamental match, No match, or Not taken into consideration).

'Bio2Match' works using two databases:

- Database of biomass properties
- Database of conversion technologies

Both databases can be used independently as comprehensive information sources. They contain data about typical properties of various biomass types and factsheets of more than 50 conversion technologies.



The Biomass Policy tool

About S2BIOM

Catalogue of Instruments & Measures

Search Instruments & Measures by information fields

Search here in a targeted way for Instruments & Measures that foster the development of regional bioeconomies. You can filter your search based on a set of differentiating information fields. For each Instrument & Measure a detailed factsheet will be provided. *Some examples of how the tool can be used.*



Country/Region
European Union
- None -

Type of Instrument or Measure
- None -

Sector/Topic targeted
- Any -

Feedstock type targeted
- None -

Product type targeted
- Any -

Value Chain
- Any -

Search Terms

Advanced options

Apply Reset

Use this tool to find out:

- Which policies are used in individual countries to support biomass use for energy and the bio-based economy?
- What policies are used in other countries?

Other S2Biom tools

BeWhere: used to identify optimal locations of biomass conversion plants in any particular region.

LocaGIStics: used to develop optimal biomass logistic chains at a local level.



Access the tools free of charge at
www.biomass-tools.eu

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