

Guidance for SAHYOG Project Inventory



How to use the database?

Criteria

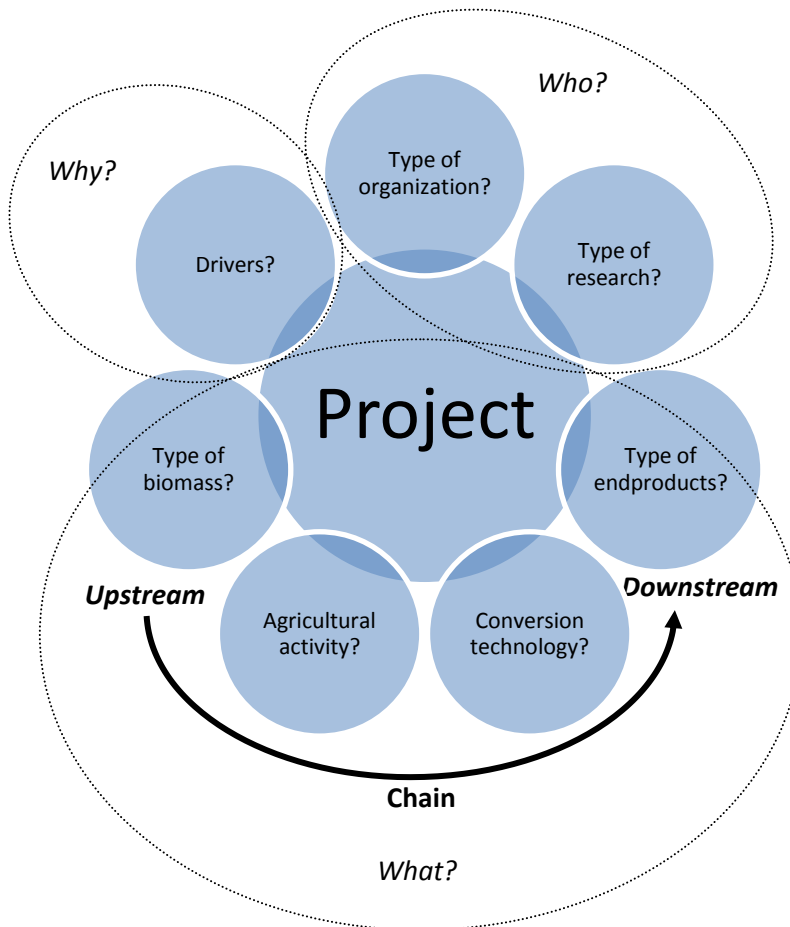
This database is compiled out of different sources. These sources include databases from Cordis and StarColibri. Projects are selected based on their connection to the biobased economy, their end date and their total budget. Projects are included with a clear link to the biobased economy, so projects concerning food and pharmaceuticals are not included. The focus in this database is on research on the substitution of fossil resources with organic ones, food and pharmaceuticals excluded for this reason. The other criteria are: end date of projects after 2007 and a budget above €500.000. The selected projects can be organized (filtered) using different categories (topics).

How to filter projects

There are two options to select projects in the database. The first one is to use the option 'search database.' You can use one or multiple search (separated by a blank space) terms including years, search words, etc. The second option is to use the different categories.

You can select one category, for example: 'Downstream' under 'Upstream/Downstream/Whole Chain' and click on the button: browse topics. You can also combine different categories for further filtering of your data.

After your search, you will find a list of short summaries of your results. Click on one of them for further information. If you have selected one result, more details are presented. A link to either the project website or to a Google search for the project is presented at the bottom of the page. You can use this link to get in contact with the project participants.



Categories

Topic 1: Upstream/ Downstream/ Whole Chain

- *Upstream: production of biomass*
- *Downstream: processing of biomass*
- *Whole Chain: production- and processing of biomass included in focus of research*

Topic 2: Agricultural Activity

- *Agricultural (water/nutrients): activities related to cultivation*
- *Harvesting: harvesting of the biomass*
- *Plant improvement: improvement of the crops (through breeding programs and/or biotechnology)*
- *Pre-treatment: preparation of biomass to conversation step*
- *Other/ not specified*

Topic 3: Product (as the expected output of the chain)

- *Chemicals*
- *Electrical Power*
- *Feed*
- *Food (Some projects with food as a product have been included, because they link to the biobased economy)*
- *Gas*
- *Heat*
- *Liquid fuels*
- *Materials*
- *Not specified*
- *More than one of the above*
- *Other*

Topic 4: Organization type (Main organization performing the research, though often a consortium is involved)

- *Government*
- *Industry*
- *NGO*
- *R&D institution*
- *Consortium of two or more of the above*
- *Other*

Topic 5: Type of Biomass (that is used in this research project)

- *Agricultural: biomass originating from agricultural sources*
- *Aquatic: originating from aqueous environment*
- *Forestry: originating from forestry*
- *Not specified*
- *Waste and residues*
- *Other*
- *Several of the above*

Topic 6: Biomass conversion technology

- *Anaerobic digestion: decay process by microorganisms*
- *Biocatalysis: enzymatic process*
- *Combustion: co-firing or direct combustion*
- *Fermentation*
- *Gasification: thermo chemical conversion process*
- *Nanotechnology*
- *Not specified*
- *Pyrolysis: thermo chemical conversion process*
- *More than one from above*
- *Other*

Topic 7: Type of research

- *Applied: research involving practical application of science*
- *Fundamental: understanding basic principles of science*
- *Pilot/ demonstration project: demonstrating viability of technology*
- *Socio-economic studies: research involving social processes and economic activity*
- *More than of the above*
- *Other*

Type 8: Drivers: (drivers to carry out the research, why do we do this?)

- *Biodiversity conservation*
- *Climate change*
- *Economic benefits*
- *Networking*
- *Resource security*
- *Rural development*