

National monitoring of biogenic residues, by-products and wastes in Germany part 1: basic data on biomass potentials

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As part of the development of a systematic monitoring of the bioeconomy in Germany¹, the research project „Arbeitsgruppe Biomassereststoff-Monitoring (AG BioRestMon, FKZ: 22019215)“ carried out a cross-sectoral assessment of biomass potentials and the current use of 77 biogenic residues, by-products and wastes. The work is documented in several publications (see links) and the results are permanently and publically available in the DBFZ resource database². The data provision in the database as well as its functionalities are continuously improved through further projects. Through the projects „Begleitforschung Energiewende im Verkehr“ (BEniVer, FKZ: 03EIV116C) and „Bioressourcen und Wasserstoff zu Methan als Kraftstoff – Konzeptionierung einer Anlage im Pilotmaßstab“ (Pilot-SBG³, financed by BMVI) numerous resource properties and selected conversion paths were integrated into the evaluations. The necessary information and data sets are made available within the framework of two data publications. The "part 1: basic data on biomass potentials" published here consists of one data set and includes 262 parameters (e.g. dry matter content) for 77 biomasses. The corresponding readme file contains explanations of the data used and references. The aim is to update this data publication regularly and in ongoing versions through continuous expansion and optimisation of the database.

Links

Biomass categorisation:

- <https://www.sciencedirect.com/science/article/pii/S0961953416303415>

Monitoring system:

- <https://www.sciencedirect.com/science/article/pii/S0961953419302247>
- <https://www.fnr-server.de/ftp/pdf/berichte/22019215.pdf>

Data publication part 2: resource properties and conversion factors

- https://www.openagrar.de/receive/openagrar_mods_00065551

¹ https://www.openagrar.de/receive/openagrar_mods_00060990

² <http://webapp.dbfz.de/>

³ <https://www.dbfz.de/projektseiten/pilot-sbg>