

Annex 6. Detailed list of variables MN-02

No.	Package	Variable/question	Basic grouping	List of admissible answers to questions	Measurement unit	Type of variable	Observation period
1	Research and experimental development	Financing R&D in firms	Expenditures on areas of biotechnology application Expand grouping		thousand PLN	Quantitative variable	year
2	Research and experimental development	Financing R&D in firms	Funds received from foreign entities Expand grouping		thousand PLN	Quantitative variable	year
3	Research and experimental development	Financing R&D in firms	Funds received from national entities Expand grouping		thousand PLN	Quantitative variable	year
4	Research and experimental development	Financing R&D in firms	Own funds Expand grouping		thousand PLN	Quantitative variable	year
5	Research and experimental development	Financing R&D in firms	Biotechnology expenditures Expand grouping		thousand PLN	Quantitative variable	year
6	Research and experimental development	Financing R&D in firms	Intramural expenditures actually incurred Expand grouping		thousand PLN	Quantitative variable	year
7	Biotechnology	Patents in biotechnology granted by the foreign patent offices			unit	Quantitative variable	year
8	Biotechnology	Patent applications in biotechnology filled with foreign patent offices			unit	Quantitative variable	year
9	Biotechnology	Patents in biotechnology granted by the Patent Office of the Republic of Poland			unit	Quantitative variable	year
10	Biotechnology	Planned submission of patent applications in biotechnology to foreign patent offices			unit	Quantitative variable	year
11	Biotechnology	Activities undertaken by an entity in relation to COVID-19 Expand grouping	Activities undertaken in relation to COVID-19	yes/no		Qualitative variable	year
12	Respondent burden	Time dedicated to transferring data			minute	Quantitative variable	filling in a questionnaire
13	Biotechnology	Patent application in biotechnology filled with the Patent Office of the Republic of Poland			unit	Quantitative variable	year
14	Biotechnology	Purchase of biotechnology patents and licences Expand grouping	Source of purchase		unit	Quantitative variable	year
15	Biotechnology	Factors constituting a barrier to commercialisation of biotechnology products		Type of factor		Qualitative variable	year
16	Biotechnology	Factors constituting a barrier to biotechnology R&D		Type of factor		Qualitative variable	year
17	Biotechnology	Research co-operation in biotechnology R&D Expand grouping	Sector		unit	Quantitative variable	year

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No.	Package	Variable/question	Basic grouping	List of admissible answers to questions	Measurement unit	Type of variable	Observation period
18	Biotechnology	Value of sales of biotechnology products	Type of manufactured product Direction of sales Expand grouping		thousand PLN	Quantitative variable	year
19	Biotechnology	Financing biotechnology in firms	Expenditures on areas of biotechnology application Expand grouping		thousand PLN	Quantitative variable	year
20	Biotechnology	Financing biotechnology in firms	Funds received from foreign entities Expand grouping		thousand PLN	Quantitative variable	year
21	Biotechnology	Closed circle economy in biotechnology firms		yes/no		Qualitative variable	year
22	Biotechnology	Financing biotechnology in firms	Funds received from national entities Expand grouping		thousand PLN	Quantitative variable	year
23	Biotechnology	Financing biotechnology in firms	Own funds Expand grouping		thousand PLN	Quantitative variable	year
24	Biotechnology	Financing biotechnology in firms	Biotechnology expenditures Expand grouping		thousand PLN	Quantitative variable	year
25	Biotechnology	Financing biotechnology in firms	Intramural expenditures actually incurred Expand grouping		thousand PLN	Quantitative variable	year
26	Persons employed, including employees	Financing biotechnology in firms	Full-time equivalent Personnel by type of activity Expand grouping		headcount	Quantitative variable	year
27	Persons employed, including employees	Personnel in biotechnology firms	Education level Personnel by type of activity Sex Expand grouping		headcount	Quantitative variable	31 grudnia
28	Biotechnology	Biotechnology	Area of biotechnology application Expand grouping	Type of activity		Qualitative variable	year
29	Biotechnology	Biotechnology	Type of applied biotechnology techniques Expand grouping	Type of activity		Qualitative variable	year
30	Research and experimental development	Financing biotechnology R&D conducted outside a reporting unit	Funds transferred to entities Expand grouping		thousand PLN	Quantitative variable	year
31	Respondent burden	Time dedicated to collecting data to be transferred			minute	Quantitative variable	filling in a questionnaire