

## Annex 7. Detailed list of variables PNT-05

No.	Package	Variable/question	Basic grouping	List of admissible answers to questions	Measurement unit	Type of variable	Observation period
1	Nanotechnology	Revenue from sales of nanotechnology R&D results				Quantitative variable	year
2	Nanotechnology	Persons employed in R&D who dedicate less than 50% of working time to nanotechnology			headcount	Quantitative variable	year
3	Research and experimental development	Intramural expenditures on nanotechnology R&D	Intramural expenditures actually incurred <a href="#">Expand grouping.</a>		thousand PLN	Quantitative variable	year
4	Nanotechnology	Nanotechnology R&D personnel	Nanotechnology R&D personnel by function groups <a href="#">Expand grouping.</a>		headcount	Quantitative variable	31 December
5	Respondent burden	Time dedicated to transferring data			minute	Quantitative variable	year
6	Respondent burden	Time dedicated to collecting data to be transferred			minute	Quantitative variable	year
7	Nanotechnology	Purchase of patents and licences in nanotechnology	Purchased patents and licences <a href="#">Expand grouping.</a>		unit	Quantitative variable	year
8	Nanotechnology	Purchase of patents and licences in nanotechnology	Purchased patents and licences <a href="#">Expand grouping.</a>		unit	Quantitative variable	year
9	Nanotechnology	Persons employed in R&D who dedicate at least 50% of working time to nanotechnology			headcount	Quantitative variable	year
10	Nanotechnology	Awarded academic degrees in nanotechnology	Academic degree Age (years) Academic degrees in nanotechnology by fields of science Sex <a href="#">Expand grouping.</a>		unit	Quantitative variable	year
11	Nanotechnology	Patents in nanotechnology granted by the foreign patent offices			unit	Quantitative variable	year
12	Nanotechnology	Patents in nanotechnology granted by the Patent Office of the Republic of Poland			unit	Quantitative variable	year
13	Nanotechnology	Patent application in nanotechnology filed with foreign patent offices			unit	Quantitative variable	year
14	Nanotechnology	Planned submission of patent applications in nanotechnology to foreign patent offices			unit	Quantitative variable	year
15	Nanotechnology	Patent application in nanotechnology filed with the Patent Office of the Republic of Poland			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
16	Research and experimental development	Research (partner) co-operation in nanotechnology R&D	Areas of nanotechnology applications Partner institutions by sectors <a href="#">Expand grouping.</a>		unit	Quantitative variable	year
17	Nanotechnology	Scientific publications in nanotechnology			unit	Quantitative variable	year
18	Research and experimental development	Research (partner) co-operation in nanotechnology R&D		Agreement on research co-operation in R&D		Qualitative variable	year
19	Research and experimental development	Extramural expenditures on nanotechnology R&D	Funds transferred to entities <a href="#">Expand grouping.</a>		thousand PLN	Quantitative variable	year
20	Research and experimental development	Intramural expenditures on nanotechnology R&D	Intramural expenditures on areas of nanotechnology application <a href="#">Expand grouping.</a>		thousand PLN	Quantitative variable	year
21	Research and experimental development	Intramural expenditures on nanotechnology R&D	Funds on a type of research <a href="#">Expand grouping.</a>		thousand PLN	Quantitative variable	year
22	Research and experimental development	Intramural expenditures on nanotechnology R&D	Funds received from foreign entities <a href="#">Expand grouping.</a>		thousand PLN	Quantitative variable	year
23	Research and experimental development	Intramural expenditures on nanotechnology R&D	Funds received from national entities <a href="#">Expand grouping.</a>		thousand PLN	Quantitative variable	year
24	Research and experimental development	Intramural expenditures on nanotechnology R&D	Own funds on intramural expenditures <a href="#">Expand grouping.</a>		thousand PLN	Quantitative variable	year
25	Nanotechnology	Intellectual property related to nanotechnology	Type of intellectual property instruments <a href="#">Expand grouping.</a>		unit	Quantitative variable	year
26	Nanotechnology	Intellectual property instruments related to nanotechnology		YES/ NO		Qualitative variable	year
27	Nanotechnology	Having a local office or a branch in which nanotechnology R&D was conducted		YES / NO		Qualitative variable	year
28	Nanotechnology	Nanotechnology R&D personnel	Education level Headcount <a href="#">Expand grouping.</a>		headcount	Quantitative variable	year
29	Research and experimental development	Nanotechnology R&D	Area of nanotechnology application Funds on a type of research <a href="#">Expand grouping.</a>	Type of conducted research		Qualitative variable	year
30	Research and experimental development	Nanotechnology R&D		Selection		Qualitative variable	year