

Overview of the trend questions in the Scientists Surveys 2023 und 2019 (Core Questionnaire) and the corresponding (non-anonymized) variables

2023			2019		
Question	Variable	Variable label	Question	Variable	Variable label
wb1	wb1a	Institution: University	wb1	wb1a	Institution: University
	wb1b	Institution: University of Applied Sciences		wb1b	Institution: University of Applied Sciences
	wb1c	Institution: Non-university research institution		wb1c	Institution: Non-university research institution
	wb1d	Institution: Other		wb1d	Institution: Other
	wb1e	Institution: Not employed		wb1e	Institution: Not employed
wb2/wb5	posi	Status group (3 categories)	wb2/wb5	stgroup	Status group
wb4	wb4	Grade level	wb4	wb4	Grade level
wb6	wb6	Habilitation	wb7	wb7	Habilitation
wb8	aage_hsa	Academic age based on university degree, only predocs	wb6	aage_hsa	Academic age based on university degree, only predocs
	wb8a2_r	Academic CV: university degree: country, aggregated ¹⁾		wb6a2_r	University degree country, cat.
	aage_prom	Academic age based on doctorate		aage_prom	Academic age based on doctorate
	wb8b2_r	Academic CV: doctorate: country, aggregated ¹⁾		wb6b2_r	Doctorate country, cat.
	wb8c1_r	Academic CV: first appointment: year, aggregated		wb6c1_r	First appointment year, cat.
wb8c2_r	Academic CV: first appointment: country, aggregated ¹⁾	wb6c2_r	First appointment country, cat.		
wb9	dfg10	DFG10 subject classification: research area, engineering sciences aggregated	wb8	dfg10	Research area according to DFG, 10 categories
	dfg5	DFG5 subject classification: scientific disciplines, humanities separately		dfg5	Research area according to DFG, 5 categories
	dfg4	DFG4 subject classification: scientific disciplines		dfg4	DFG scientific disciplines
wb10	wb10	Career goal	wb9	wb9	Career goal
wb11a	wb11a	Functional role: university self-government	wb10	wb10a	Functional role: university self-government
	wb11b	Functional role: representative in professional association		wb10b	Functional role: representative in professional association
	wb11d	Functional role: experts and advisory bodies		wb10d	Functional role: experts and advisory bodies
fb2	fb2	Temporary contract research associates	fb2	fb2	Temporary contract research associates
fb3	fb3	Fixed-term contract professors	fb3	fb3	Fixed-term contract professors
fb4	fb4_r	Duration of contract, aggregated	fb4	fb4_r	Duration of contract, aggregated
fb5	fb5	Reason for time limit	fb5	fb5	Reason for time limit
fb6	fb6_r	Number of fixed-term contracts, top-coded	fb6	fb6_r	Number of fixed-term contracts, top-coded
fb7	fb7_r	Weekly working hours: contractual, rounded	fb7	fb7_r	Weekly working hours: contractual, rounded
fb8	fb8_r	Weekly working hours: actual, rounded	fb8	fb8_r	Weekly working hours: actual, rounded
fb9	fb9	Teaching responsibility	fb9	fb9	Teaching responsibility
fb10	fb10a	Percentage of work time: research	fb10	fb10a	Percentage of work time: research
	fb10b	Percentage of work time: reviews		fb10b	Percentage of work time: reviews
	fb10c	Percentage of work time: teaching		fb10c	Percentage of work time: teaching
	fb10d	Percentage of work time: supervision of young scientists		fb10d	Percentage of work time: supervision of young scientists
	fb10e	Percentage of work time: acquisition third-party funds		fb10e	Percentage of work time: acquisition third-party funds
	fb10f	Percentage of work time: institutional committees/self-government		fb10f	Percentage of work time: institutional committees/self-government
	fb10g	Percentage of work time: management		fb10g	Percentage of work time: management
	fb10h	Percentage of work time: other		fb10h	Percentage of work time: other
fb11	fb11a	Satisfaction with profession: teaching activity	fb11	fb11a	Satisfaction with profession: teaching activity
	fb11b	Satisfaction with profession: research activity		fb11b	Satisfaction with profession: research activity
	fb11c	Satisfaction with profession: relationship to colleagues		fb11c	Satisfaction with profession: relationship to colleagues
	fb11d	Satisfaction with profession: achieved position		fb11d	Satisfaction with profession: achieved position
	fb11e	Satisfaction with profession: professional perspectives		fb11e	Satisfaction with profession: professional perspectives
	fb11f	Satisfaction with profession: realization of ideas		fb11f	Satisfaction with profession: realization of ideas
	fb11g	Satisfaction with profession: overall		fb11g	Satisfaction with profession: overall
fa1	fa1	Assessment of field: international significance	fa1	fa1	Assessment of field: international significance
fa8	fa8	Assessment of field: funding opportunities through external funding	fa8	fa8	Assessment of field: funding opportunities through external funding
fa2	fa2	Assessment of field: influence of science policy	fa2	fa2	Assessment of field: influence of science policy
fa3	fa3	Assessment of field: performance requirements through evaluations	fa3	fa3	Assessment of field: performance requirements through evaluations
fa4	fa4	Assessment of field: application effort	fa4	fa4	Assessment of field: application effort
fa6	fa6	Assessment of field: compulsion to raise external funding	fa6	fa6	Assessment of field: compulsion to raise external funding
fa7	fa7	Assessment of field: pressure to publish	fa7	fa7	Assessment of field: pressure to publish
fa9	fa9	Assessment of field: proportion of research cooperation with industry/business	fa9	fa9	Assessment of field: proportion of research cooperation with industry/business
fa5	fa5	Assessment of field: competition among professional colleagues	fa5	fa5	Assessment of field: competition among professional colleagues
fa10	fa10	Assessment of field: filling of postdoctoral positions	fa10	fa10	Assessment of field: filling of postdoctoral positions
fa11	fa11	Assessment of field: reliability of scientific knowledge	fa11	fa11	Assessment of field: reliability of scientific knowledge
fp1	fp1a	Research practice: theoretical	fp1	fp1a	Research practice: theoretical
	fp1b	Research practice: empirical		fp1b	Research practice: empirical
	fp1c	Research practice: in teams		fp1c	Research practice: in teams
	fp1d	Research practice: technical infrastructures		fp1d	Research practice: technical infrastructures
wn1	wn1_r	Supervision of PhD students total: number, top-coded	wn1	wn1_r	Supervision of PhD students: number, top-coded
wn2	wn2_r	First-time supervision of PhD students: number, top-coded	wn2	wn2_r	First-time supervision of PhD students: number, top-coded
wn3	wn3a	Quality of dissertations: generally satisfied with formal/substantive quality ²⁾	wn3	wn3a	Quality of dissertations: formal quality
wn6	wn6a	Situation of young scientists: impairment of independence	wn6	wn6a_r12	Situation of young scientists: impairment of independence
	wn6b	Situation of young scientists: lack of supervision		wn6b_r12	Situation of young scientists: lack of supervision
	wn6c	Situation of young scientists: duration of qualification		wn6c_r12	Situation of young scientists: duration of qualification
	wn6d	Situation of young scientists: uncertain prospects		wn6d_r12	Situation of young scientists: uncertain prospects
	wn6e	Situation of young scientists: income opportunities		wn6e_r12	Situation of young scientists: income opportunities
ff1	ff1a_r	Number of applications submitted: DFG, agg.	ff1	ff1a_r	Number of applications: DFG, agg.
	ff1b_r	Number of applications submitted: excellence strategy, agg.		ff1b_r	Number of applications: excellence strategy, agg.
	ff1c_r	Number of applications submitted: BMBF, agg.		ff1c_r	Number of applications: BMBF, agg.
	ff1d_r	Number of applications submitted: Europ. Union, agg.		ff1d_r	Number of applications: Europ. Union, agg.
	ff1e_r	Number of applications submitted: national non-profit foundations, agg.		ff1e_r	Number of applications: national non-profit foundations, agg.
	ff1f_r	Number of applications submitted: other sponsors from industry/business, agg.		ff1f_r	Number of applications: other sponsors from industry/business, agg.
ff1g_r	Number of applications submitted: other, agg.	ff1g_r	Number of applications: other, agg.		
ff2a	ff2a	Application effort: DFG	ff2a_r21	ff2a_r21	Application effort: DFG
ff2	ff2b	Application effort: BMBF	ff2	ff2b_r21	Application effort: BMBF
	ff2c	Application effort: Europ. Union		ff2c_r21	Application effort: Europ. Union
	ff3a	Procedure DFG: professional quality		ff3a_r21	Procedure DFG: professional quality
ff3	ff3b	Procedure DFG: transparency	ff3	ff3b_r21	Procedure DFG: transparency
	ff3c	Procedure DFG: comprehensibility		ff3c_r21	Procedure DFG: comprehensibility
	ff3d	Procedure DFG: matter of luck		ff3d_r21	Procedure DFG: matter of luck
	ff3e	Procedure DFG: political considerations		ff3e_r21	Procedure DFG: political considerations
ff4a	ff4a	Procedure BMBF: professional quality	ff4a_r21	ff4a_r21	Procedure BMBF: professional quality
ff4b	ff4b	Procedure BMBF: transparency	ff4b_r21	ff4b_r21	Procedure BMBF: transparency
ff4	ff4c	Procedure BMBF: comprehensibility	ff4c_r21	ff4c_r21	Procedure BMBF: comprehensibility

	ff4d	Procedure BMBF: matter of luck		ff4d_r21	Procedure BMBF: matter of luck
	ff4e	Procedure BMBF: political considerations		ff4e_r21	Procedure BMBF: political considerations
ff5	ff5a	Procedure ERC: professional quality		ff5a_r21	Procedure ERC: professional quality
	ff5b	Procedure ERC: transparency		ff5b_r21	Procedure ERC: transparency
	ff5c	Procedure ERC: comprehensibility	ff5	ff5c_r21	Procedure ERC: comprehensibility
	ff5d	Procedure ERC: matter of luck		ff5d_r21	Procedure ERC: matter of luck
	ff5e	Procedure ERC: political considerations		ff5e_r21	Procedure ERC: political considerations
ff6	ff6	Development of quality of reviews	ff6	ff6	Development of quality of reviews
ff7	ff7a	Assessment DFG: exploitation of ideas		ff7a	Assessment DFG: exploitation of ideas
	ff7b	Assessment DFG: number of national neutral reviewers		ff7b	Assessment DFG: number of national neutral reviewers
	ff7c	Assessment DFG: same group of people		ff7c	Assessment DFG: same group of people
	ff7d	Assessment DFG: renowned researchers	ff7	ff7d	Assessment DFG: renowned researchers
	ff7e	Assessment DFG: review by competitors		ff7e	Assessment DFG: review by competitors
	ff7f	Assessment DFG: previous work		ff7f	Assessment DFG: previous work
	ff7g	Assessment DFG: prestigious universities		ff7g	Assessment DFG: prestigious universities
	ff7h	Assessment DFG: collaborative research		ff7h	Assessment DFG: collaborative research
os1	os1	Percentage of research met through base funding/basic endowment	os1	os1_r	Proportion of basic funding: percentage of research financed by basic funding
os2	os2a	Basic funding dependent on number of publications		os2a	Basic funding dependent on: number of publications
	os2b	Basic funding dependent on citation indicators		os2b	Basic funding dependent on: citation indicators
	os2c	Basic funding dependent on JIFs		os2c	Basic funding dependent on: JIFs
	os2d	Basic funding dependent on number of doctoral exams	os2	os2d	Basic funding dependent on: doctoral exams
	os2e	Basic funding dependent on third-party funding		os2e	Basic funding dependent on: third-party funding
	os2f	Basic funding dependent on teaching evaluation		os2f	Basic funding dependent on: teaching evaluation
	os2g	Basic funding dependent on peer evaluation		os2g	Basic funding dependent on: peer evaluation
	os2h	Basic funding dependent on other criteria		os2h	Basic funding dependent on: other
pu1	pu1a_r1	Number of publications: original articles, agg. (prof + postdoc) ³⁾		pu1a_r	Number of publications: original articles, agg.
	pu1a_r2	Number of publications: original articles, agg. (predoc) ³⁾		pu1b_r	Number of publications: review articles, agg.
	pu1b_r	Number of publications: review articles, agg.		pu1c_r	Number of publications: monographs, agg.
	pu1c_r	Number of publications: monographs, agg.		pu1d_r	Number of publications: book contributions, agg.
	pu1d_r1	Number of publications: book contributions, agg. (prof + postdoc) ³⁾	pu1	pu1d_r	Number of publications: book contributions, agg.
	pu1d_r2	Number of publications: book contributions, agg. (predoc) ³⁾		pu1e_r	Number of publications: special issues, agg.
	pu1e_r	Number of publications: special issues, agg.		pu1f_r	Number of publications: commentaries, agg.
	pu1f_r	Number of publications: commentaries, agg.		pu1g_r	Number of publications: editorials, agg.
	pu1g_r	Number of publications: editorials, agg.		pu1h_r	Number of publications: manuals, agg.
	pu1h_r	Number of publications: manuals, agg.			
pu2	pu2a	Criteria journal: reputation		pu2a	Criteria journal: reputation
	pu2b	Criteria journal: JIF		pu2b	Criteria journal: JIF
	pu2c	Criteria journal: probability of acceptance		pu2c	Criteria journal: probability of acceptance
	pu2d	Criteria journal: time until publication		pu2d	Criteria journal: time until publication
	pu2e	Criteria journal: free for author		pu2e	Criteria journal: free for author
	pu2f	Criteria journal: wide audience	pu2	pu2f	Criteria journal: wide audience
	pu2g	Criteria journal: acceptance despite pre-publication		pu2g	Criteria journal: acceptance despite pre-publication
	pu2h	Criteria journal: free for readers		pu2h	Criteria journal: free for readers
	pu2i	Criteria journal: specific audience		pu2i	Criteria journal: specific audience
	pu2j	Criteria journal: peer review		pu2j	Criteria journal: peer review
	pu2k	Criteria journal: quality of peer review		pu2k	Criteria journal: quality of peer review
pu3	pu3	Percentage of open access publications	pu3	pu3	Percentage of open access publications
pu7	pu7	Development of quality of manuscript reviews	pu7	pu7	Development of quality of manuscript reviews
pu8	pu8a_r	Assessor activity: journal articles, agg.		pu8a_r	Assessor activity: journal articles, agg.
	pu8b_r	Assessor activity: grant applications, agg.		pu8b_r	Assessor activity: grant applications, agg.
	pu8c_r	Assessor activity: participation in evaluation procedures, agg.		pu8c_r	Assessor activity: participation in evaluation procedures, agg.
	pu8d_r	Assessor activity: participation in accreditation procedures, agg.	pu8	pu8d_r	Assessor activity: participation in accreditation procedures, agg.
	pu8e_r	Assessor activity: appeal procedures, agg.		pu8e_r	Assessor activity: appeal procedures, agg.
	pu8f_r	Assessor activity: doctoral theses, agg.		pu8f_r	Assessor activity: doctoral theses, agg.
wt1	wt1a	Collaboration: colleagues of my field		wt1a	Collaboration: colleagues of my field
	wt1b	Collaboration: colleagues from other disciplines	wt1	wt1b	Collaboration: colleagues from other disciplines
	wt1c	Collaboration: non-scientists		wt1c	Collaboration: non-scientists
wt3	wt3	Change of discipline so far	wt3	wt3	Biographical: Interdisciplinary
wt4	wt4	Worked outside science since graduation	wt4	wt4	Biographical: Worked outside of science
wp1	wp1a	Condition of science system: autonomy & freedom of research		wp1a	Condition of science system: autonomy & freedom of research
	wp1b	Condition of science system: innovative capacity		wp1b	Condition of science system: innovative capacity
	wp1c	Condition of science system: performance equity	wp1	wp1c	Condition of science system: performance equity
	wp1d	Condition of science system: relationship between teaching and research		wp1d	Condition of science system: relationship between teaching and research
wp2	wp2a	Condition of science system 2: social relevance		wp2a	Condition of science system 2: social relevance
	wp2b	Condition of science system 2: cohesion of scientific community	wp2	wp2b	Condition of science system 2: cohesion of scientific community
	wp2c	Condition of science system 2: appreciation by society		wp2c	Condition of science system 2: appreciation by society
wp3	wp3a	Reform proposals: changeover to department structure		wp3a	Reform proposals: changeover to department structure
	wp3b	Reform proposals: permanent positions below professorship	wp3	wp3b	Reform proposals: permanent positions below professorship
	wp3c	Reform proposals: creation of teaching professorships		wp3c	Reform proposals: creation of teaching professorships
wp4	wp4	Right to award doctorates to universities of applied sciences	wp4	wp4	Right to award doctorates to universities of applied sciences
de1	de1_r	Gender, without diverse	de1	de1_r	Gender, without diverse
de6	de6	Partnership status	de6	de6	Permanent partnership/marriage
de10	de10_r	Children: number, aggregated	de10	de10_r	Children: number, categorized
de11	de11_r	Children: age, aggregated	de11	de11_r	Children: age, categorized
de12	de12	Satisfaction with work-life balance	de12	de12	Satisfaction with work-life balance

¹⁾ Caution when comparing aggregated country variables between 2023 and 2019:

In 2023, categories 2 and 3 are labeled "EC/EU" and "Europe without EC/EU" and the assignment made was based on the specific accession years of the countries.

In 2019, categories 2 and 3 are labeled "EU" and "Europe without EU" and the assignment made was based on the assignment at the time of the survey/data preparation, i.e. without including the accession years.

For comparisons, the two categories of the variables should therefore first be aggregated into one category "Europe".

Furthermore, the following two points should be noted:

- In 2019, the countries Armenia, Azerbaijan, Georgia and Kazakhstan were assigned to the category "Europe without EU", for 2023, they were assigned to Asia - in accordance with the Federal Statistical Office's classification of states and territories - and thus to the category "Other". (Concerns a maximum of 5 cases per variable)

- In 2019, the countries Czechoslovakia and Yugoslavia were assigned to the category "Other", for 2023 they were assigned to the category "Europe without EC/EU". (Concerns a maximum of 5 cases per variable)

²⁾ In 2023, significant change in item wording and response scale.

³⁾ In 2023, there are two aggregated variables for original articles and book contributions: one for professors and postdocs, one for predocs. In 2019, there was only one aggregated variable for all status groups. The categories correspond to those of the variables for professors and postdocs in 2023.