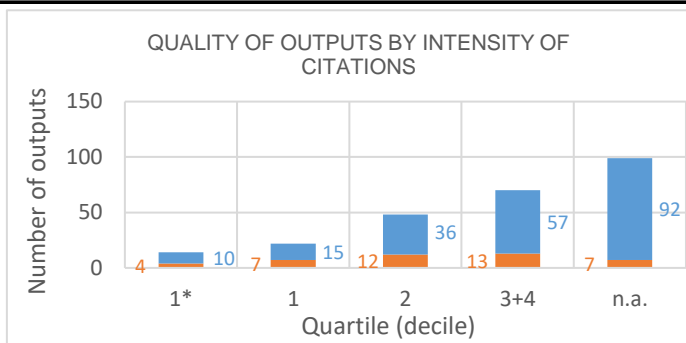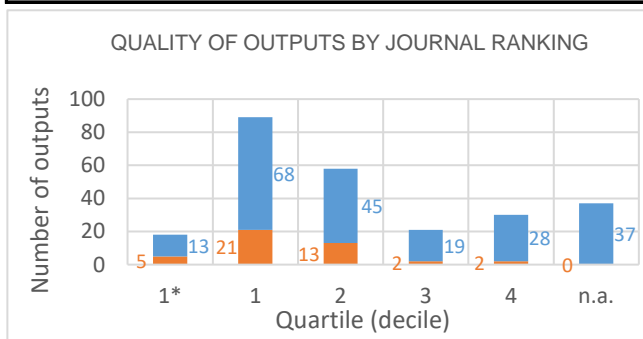# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Astronomical Institute of the CAS, v. v. i.
Team: Department of Solar Physics - Team 1
Head: Miroslav Bárta
Field: Physical sciences
Total number of outputs: 253 **Evaluated outputs:** 43

QUALITY OF OUTPUTS BY JOURNAL RANKING

QUALITY OF OUTPUTS BY INTENSITY OF CITATIONS

TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	1	12
B		8
B1	4	10
C	7	70
C1	22	50
D	2	51
D1	7	8
E		
n.a.		1
Without affiliation		
A1+B1+C1+D1	34	80
B+C+D+E	9	129

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Astronomy Astrophysics	42	194
Physics Fluids Plasmas	1	6
Meteorology Atmospheric Sciences	1	4
Geochemistry Geophysics		4
Geosciences Multidisciplinary	1	3
Physics Multidisciplinary		3
Computer Science Artificial Intelligence		2
Engineering Aerospace	1	1
Instruments Instrumentation		2
Optics		2
Computer Science Interdisciplinary A		1
Engineering Electrical Electronic		1
Mathematics Interdisciplinary Applica		1
Medicine General Internal		1
Physics Applied		1
Physics Mathematical		1

Total number of outputs: outputs of the team published during the evaluated period 2015-2019.
Evaluated outputs: selected outputs submitted by the team to the Phase I of evaluation.
Outputs used for bibliometry: subset of all outputs registered in the Web of Science; document type: article, review or proceedings paper.
Quality of outputs by journal ranking: number of outputs in top decile (1*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; orange: outputs from the Phase I, blue: the other outputs of the team.
Quality of outputs by intensity of citations: number of outputs in the top decile (1*) and in quartiles (1, 2, 3+4) determined from the list of outputs ordered by the number of citations (downloaded from the Web of Science at the beginning of evaluation) for each subject category, year, and type of output; n. a. – the data are not robust enough for relevant judgement; orange: outputs from the Phase I, blue: the other outputs of the team.
Types of collaboration: outputs created exclusively in a particular institute are marked by A1, outputs created within national cooperation by max. 5 organizations are marked by B, outputs created within international cooperation by max. 5 organizations are marked C, outputs created within large collaboration exceeding 5 organizations are marked D, outputs created within large international collaboration are marked E. It is distinguished by marking B1/B, C1/C and D1/D whether the output has/does not have a corresponding author from a particular team.
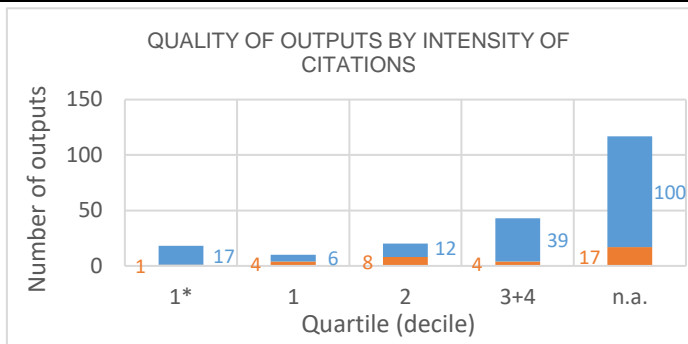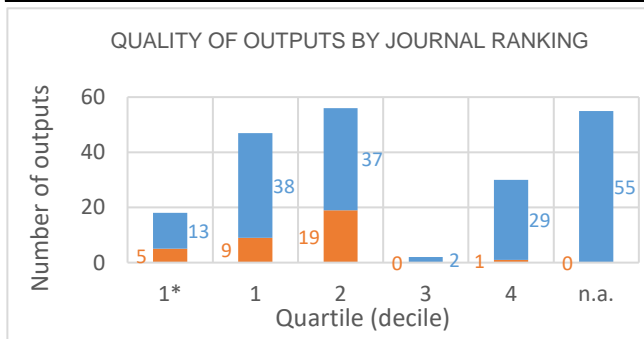**Field structure of outputs:** number of outputs of the team in different subject categories (subfields); if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of outputs by journals ranking) is taken; the table shows up to 20 fields.
Detailed explanation of the indicators is provided in the Methodology of evaluation, Annex 2 – Bibliometrics.

Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute:	Astronomical Institute of the CAS, v. v. i.
Team:	Department of Stellar Physics - Team 2
Head:	Brankica Kubátová
Field:	Physical sciences
Total number of outputs: 208	**Evaluated outputs:** 34

QUALITY OF OUTPUTS BY JOURNAL RANKING

QUALITY OF OUTPUTS BY INTENSITY OF CITATIONS

TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	1	7
B	5	10
B1	3	23
C	2	39
C1	6	20
D	4	65
D1	13	7
E		1
n.a.		1
Without affiliation		1
A1+B1+C1+D1	23	57
B+C+D+E	11	115

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Astronomy Astrophysics	33	158
Optics		6
Engineering Electrical Electronic		4
Computer Science Interdisciplinary A|		3
Engineering Aerospace		3
Geosciences Multidisciplinary		3
Meteorology Atmospheric Sciences		3
Physics Applied		3
Computer Science Artificial Intelligenc		2
Computer Science Information Syster		2
Engineering Multidisciplinary		2
Multidisciplinary Sciences	1	1
Spectroscopy		2
Automation Control Systems		1
Computer Science Theory Methods		1
Engineering Industrial		1
Instruments Instrumentation		1
Medical Informatics		1
n.a.		1
Physics Multidisciplinary		1

Total number of outputs: outputs of the team published during the evaluated period 2015-2019.

Evaluated outputs: selected outputs submitted by the team to the Phase I of evaluation.

Outputs used for bibliometry: subset of all outputs registered in the Web of Science; document type: article, review or proceedings paper.

Quality of outputs by journal ranking: number of outputs in top decile (1*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; orange: outputs from the Phase I, blue: the other outputs of the team.

Quality of outputs by intensity of citations: number of outputs in the top decile (1*) and in quartiles (1, 2, 3+4) determined from the list of outputs ordered by the number of citations (downloaded from the Web of Science at the beginning of evaluation) for each subject category, year, and type of output; n. a. – the data are not robust enough for relevant judgement; orange: outputs from the Phase I, blue: the other outputs of the team.

Types of collaboration: outputs created exclusively in a particular institute are marked by A1, outputs created within national cooperation by max. 5 organizations are marked by B, outputs created within international cooperation by max. 5 organizations are marked C, outputs created within large collaboration exceeding 5 organizations are marked D, outputs created within large international collaboration are marked E. It is distinguished by marking B1/B, C1/C and D1/D whether the output has/does not have a corresponding author from a particular team.
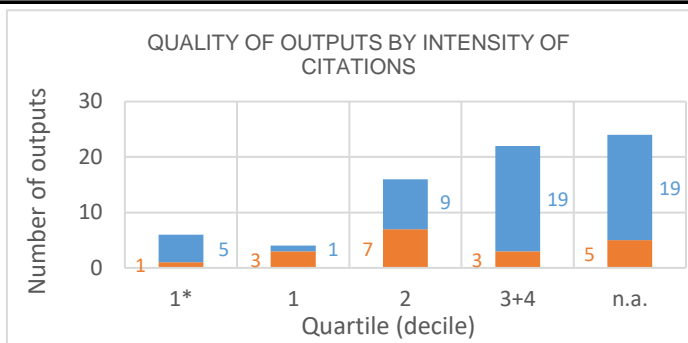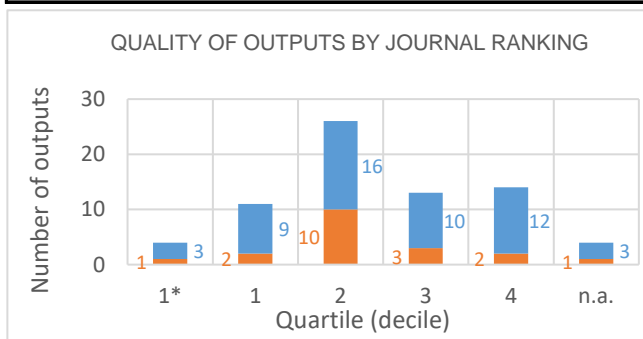
Field structure of outputs: number of outputs of the team in different subject categories (subfields); if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of outputs by journals ranking) is taken; the table shows up to 20 fields.

Detailed explanation of the indicators is provided in the Methodology of evaluation, Annex 2 – Bibliometrics.

Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019
BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute:	Astronomical Institute of the CAS, v. v. i.
Team:	Department of Interplanetary Matter - Team 3
Head:	Pavel Spurný
Field:	Physical sciences
Total number of outputs: 72	**Evaluated outputs:** 19

QUALITY OF OUTPUTS BY JOURNAL RANKING

QUALITY OF OUTPUTS BY INTENSITY OF CITATIONS

TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	2	7
B		2
B1	1	2
C	3	11
C1	5	
D	1	29
D1	6	2
E		
n.a.	1	
Without affiliation		
A1+B1+C1+D1	14	11
B+C+D+E	4	42

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Astronomy Astrophysics	16	45
Geochemistry Geophysics	2	5
Geosciences Multidisciplinary		5
Engineering Aerospace		4
Meteorology Atmospheric Sciences		4
Multidisciplinary Sciences		2
Engineering Electrical Electronic		1
Chemistry Analytical		1
Instruments Instrumentation		1
n.a.	1	

Total number of outputs: outputs of the team published during the evaluated period 2015-2019.

Evaluated outputs: selected outputs submitted by the team to the Phase I of evaluation.

Outputs used for bibliometry: subset of all outputs registered in the Web of Science; document type: article, review or proceedings paper.

Quality of outputs by journal ranking: number of outputs in top decile (1*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; orange: outputs from the Phase I, blue: the other outputs of the team.

Quality of outputs by intensity of citations: number of outputs in the top decile (1*) and in quartiles (1, 2, 3+4) determined from the list of outputs ordered by the number of citations (downloaded from the Web of Science at the beginning of evaluation) for each subject category, year, and type of output; n. a. – the data are not robust enough for relevant judgement; orange: outputs from the Phase I, blue: the other outputs of the team.

Types of collaboration: outputs created exclusively in a particular institute are marked by A1, outputs created within national cooperation by max. 5 organizations are marked by B, outputs created within international cooperation by max. 5 organizations are marked C, outputs created within large collaboration exceeding 5 organizations are marked D, outputs created within large international collaboration are marked E. It is distinguished by marking B1/B, C1/C and D1/D whether the output has/does not have a corresponding author from a particular team.
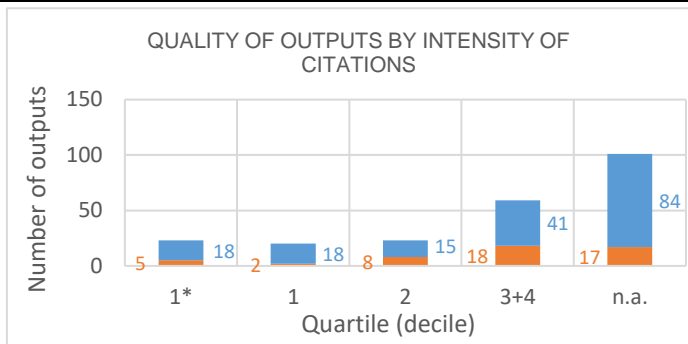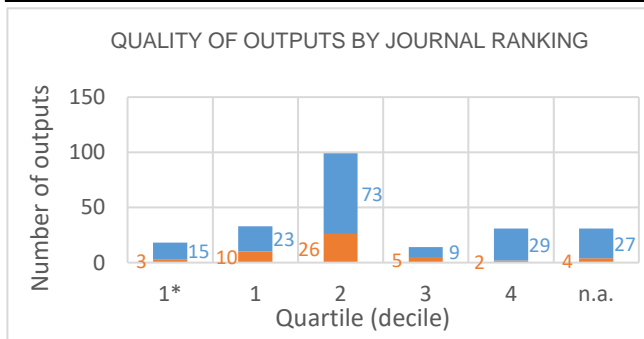
Field structure of outputs: number of outputs of the team in different subject categories (subfields); if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of outputs by journals ranking) is taken; the table shows up to 20 fields.

Detailed explanation of the indicators is provided in the Methodology of evaluation, Annex 2 – Bibliometrics.

Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Astronomical Institute of the CAS, v. v. i.
Team: Department of Galaxies and Planetary Systems - Team 4
Head: Richard Wünsch
Field: Physical sciences
Total number of outputs: 226   **Evaluated outputs:** 50

QUALITY OF OUTPUTS BY JOURNAL RANKING

QUALITY OF OUTPUTS BY INTENSITY OF CITATIONS

TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	11	10
B		9
B1	5	12
C	4	54
C1	19	25
D	5	58
D1	3	4
E		1
n.a.	3	3
Without affiliation		
A1+B1+C1+D1	38	51
B+C+D+E	9	122

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Astronomy Astrophysics	43	138
Geochemistry Geophysics	2	13
Geosciences Multidisciplinary	1	13
Physics Particles Fields	4	7
Mining Mineral Processing	1	6
Physics Multidisciplinary	1	6
Engineering Aerospace	1	5
Meteorology Atmospheric Sciences	1	5
n.a.	3	3
Optics		5
Instruments Instrumentation		4
Multidisciplinary Sciences	1	1
Computer Science Interdisciplinary Ap	1	
Ecology		1
Engineering Multidisciplinary		1
Environmental Sciences	1	
Geography Physical		1
Limnology	1	
Marine Freshwater Biology	1	
Mathematics Applied		1

Total number of outputs: outputs of the team published during the evaluated period 2015-2019.

Evaluated outputs: selected outputs submitted by the team to the Phase I of evaluation.

Outputs used for bibliometry: subset of all outputs registered in the Web of Science; document type: article, review or proceedings paper.

Quality of outputs by journal ranking: number of outputs in top decile (1*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; orange: outputs from the Phase I, blue: the other outputs of the team.

Quality of outputs by intensity of citations: number of outputs in the top decile (1*) and in quartiles (1, 2, 3+4) determined from the list of outputs ordered by the number of citations (downloaded from the Web of Science at the beginning of evaluation) for each subject category, year, and type of output; n. a. – the data are not robust enough for relevant judgement; orange: outputs from the Phase I, blue: the other outputs of the team.

Types of collaboration: outputs created exclusively in a particular institute are marked by A1, outputs created within national cooperation by max. 5 organizations are marked by B, outputs created within international cooperation by max. 5 organizations are marked C, outputs created within large collaboration exceeding 5 organizations are marked D, outputs created within large international collaboration are marked E. It is distinguished by marking B1/B, C1/C and D1/D whether the output has/does not have a corresponding author from a particular team.

Field structure of outputs: number of outputs of the team in different subject categories (subfields); if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of outputs by journals ranking) is taken; the table shows up to 20 fields.

Detailed explanation of the indicators is provided in the Methodology of evaluation, Annex 2 – Bibliometrics.