

# Statistics for the National Science Centre's calls 2013



NATIONAL SCIENCE CENTRE  
POLAND

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Terms and introductory remarks

National Science Centre (NCN) – Poland’s government executive agency set up to fund basic research (cf. basic research)

Call for proposals – selection procedure launched to choose research proposals for funding on a competitive basis

Funding scheme – a programme addressed to applicants at different stages of their research career, with different research goals; launched by the NCN in the form of a call for proposals once or twice yearly

The following funding schemes can be distinguished:

- **OPUS** – addressed to a wide range of applicants; the research proposal submitted under this scheme may include the purchase or construction of research equipment necessary for the completion of the project;
- **PRELUDIUM** – designed for researchers without a doctorate, at the beginning of their path in research;
- **SONATA** – aimed at researchers with a doctoral degree obtained within five years of submitting the proposal;
- **SONATA BIS** – addressed to researchers with a doctoral degree obtained within 2-12 years prior to the submission of the proposal, wanting to establish a new research team;
- **HARMONIA** – for researchers wanting to carry out research projects in international cooperation;
- **MAESTRO** – designed for advanced researchers wanting to conduct pioneering research, including interdisciplinary research, which is important for the advancement of science, that surpasses the current state of knowledge and is highly conducive to discovery;

- **SYMFONIA** – intended for exceptional, established researchers wanting to carry out cross-domain research in collaboration with teams representing different areas of research;
- **ETIUDA** – doctoral scholarships for PhD candidates;
- **FUGA** – post-doctoral internships designed to facilitate the mobility of researchers in Poland;
- **TANGO** – enabling scientists, engineers and scholars to turn their projects in basic research into solutions and products that may benefit populations and economies in a direct way.

Basic research – basic research is original, experimental or theoretical research work undertaken primarily to acquire new knowledge of the underlying foundations of phenomena and observable facts

Proposal – a form containing the details of proposed research submitted under the NCN calls for proposals

Applicant – an entity (host institution) or an individual applying for financing research under the NCN calls for proposals

Individual – a natural person who applies for funding of research under NCN calls; they cannot be employed by the host institution of their research project, post-doc internship or scholarship

Beneficiary – the host institution to receive the NCN grant. The beneficiary of the FUGA calls is the host institution of the internship. The beneficiary of the ETIUDA calls is the academic unit where the recipient of the scholarship is based.

Awardee – the Principal Investigator of a successful proposal

**Research Domain** – one of three general domains of research to which discipline panels are assigned: Arts, Humanities and Social Sciences (HS), Physical Sciences and Engineering (ST) and Life Sciences (NZ)

**Expert Team** – a group of peers, appointed by the NCN, with expertise in the relevant research panels, who meet with the Expert Panel to assess research proposals

**Expert Reviewer** – a member of the Expert Team, selected to review the research project and discuss its merit at panel meetings

**External Reviewer** – a reviewer who performs a peer-review of proposals on a remote basis, not affiliated to the NCN (cf. Expert Team)

**Panel** – in the NCN, basic research is divided into 25 panels: groups of disciplines covering all research disciplines come under the 3 general research domains of HS, NZ, ST. A list of all NCN panels and disciplines at the end of 2013 can be found in the annex, in table 19.

**Panel meeting** – a session held by the Expert Team to discuss and assess research proposals

**Success rate** – an index showing the ratio of the proposals qualified for funding to the proposals submitted

**Financial success rate** – an index showing the ratio of the funding

granted to the funding applied for in all proposals submitted to the call  
The information presented in this publication has been retrieved from the data entered by applicants and staff of the NCN in the OSF electronic submissions system. Some tables may present partial values that significantly differ from their sum; this is due to the rounding off of the actual figures.

This publication deals with the **National Science Centre's calls concluded in 2013**: MAESTRO 3, HARMONIA 3, OPUS 4, PRELUDIUM 4, SONATA 4, SONATA BIS 2, MAESTRO 4, HARMONIA 4, FUGA 2, ETIUDA 1, SYMFONIA 1, OPUS 5, PRELUDIUM 5, SONATA 5. The sum of proposals recommended for funding in 2013 is the sum of all research projects, internships and scholarships that were granted financial support by the NCN. The point of reference for the data included in this publication is the ranking list published on conclusion of each NCN call.

In the sections concerned with resources requested and granted, all amounts are presented in Polish zlotys (PLN). The average exchange rate of the euro at the end of the year 2013 was 4.15 PLN.

# Introduction

Introduction

In 2013, the National Science Centre concluded 14 calls for proposals: MAESTRO 3, HARMONIA 3, OPUS 4, PRELUDIUM 4, SONATA 4, SONATA BIS 2, MAESTRO 4, HARMONIA 4, FUGA 2, ETIUDA 1, SYMFONIA 1, OPUS 5, PRELUDIUM 5, SONATA 5.

The number of submitted proposals totalled 10,564 and the sum of funding sought by applicants exceeded 4.4 billion PLN.<sup>1</sup> 2,433 projects were recommended for funding. The overall success rate in the calls concluded in 2013 equated to 23%.

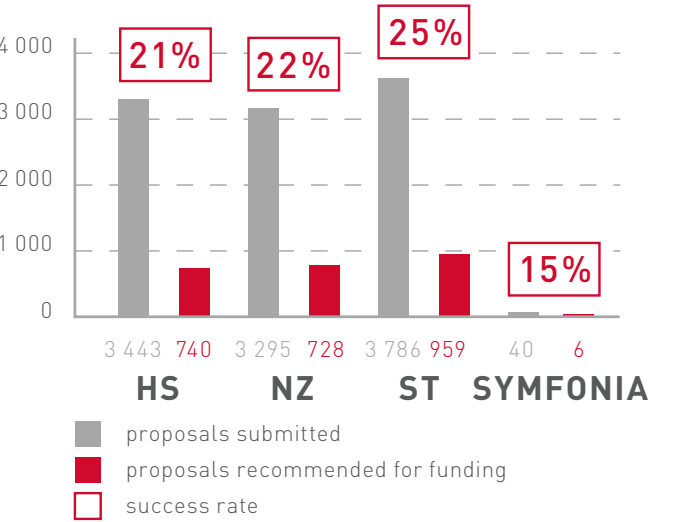
General statistics of NCN calls concluded in 2013:

- 13 launched calls;
- 14 concluded calls;
- 10 564 submitted proposals;
- 1 002 261 376 PLN in funding granted in calls concluded in 2013;
- 2 433 proposals recommended for funding.

<sup>1</sup> The number of proposals recommended for funding as quoted in this publication may slightly differ from the actual number of research projects, internships and scholarships funded by the NCN due to subsequent resignations, withdrawals and successful appeals.

In 2013, the National Science Centre launched 13 calls for proposals: OPUS 5, PRELUDIUM 5, SONATA 5, HARMONIA 5, MAESTRO 5, SONATA BIS 3, OPUS 6, PRELUDIUM 6, SONATA 6, FUGA 3, ETIUDA 2, SYMFONIA 2, TANGO 1. Detailed information on the NCN calls for proposals can be viewed in table 1. Basic statistics of the submitted and qualified proposals are presented in chart 1.

Chart 1.  
Number of proposals submitted to the NCN and proposals recommended for funding in calls concluded in 2013, with a breakdown into 3 research domains, the SYMFONIA 1 call and success rate<sup>2</sup>



<sup>2</sup>The SYMFONIA 1 call has been set apart from other calls due to its cross-domain nature, where dividing proposals into three critical research areas has no application.

In addition, in 2013 the NCN announced calls for proposals under four international programmes launched in cooperation with agencies funding research abroad:

- as a member of JPI Cultural Heritage (Joint Programming Initiative on Cultural Heritage) – *Increasing understanding of cultural values, valuation, interpretation, ethics and identity around all forms of cultural heritage (tangible, intangible and digital heritage)*;
- as a member of the Infect-ERA (ERA-NET on Human Infectious Diseases) consortium, in two research fields: (1) *Microbes’ environment and infection including the metabolism of microbes, molecular mechanisms and strategies of their pathogenicity* and (2) *The host-microbe interaction, co-infection, microorganisms transmissibility and host susceptibility factors*;
- as a member of the CHIST-ERA (European Coordinated Research on Long-term Challenges in Information and Communication Sciences & Technologies ERA-Net) consortium, in two research areas: *Adaptive Machines in Complex Environments (AMCE)* and *Heterogeneous Distributed Computing (HDC)*;
- as a member of the JPND (EU Joint Programme – Neurodegenerative Disease Research) consortium – *Cross-Disease Analysis of Pathways related to Neurodegenerative Diseases*.

Table 1.

Information on NCN calls published and concluded in 2013<sup>3</sup>

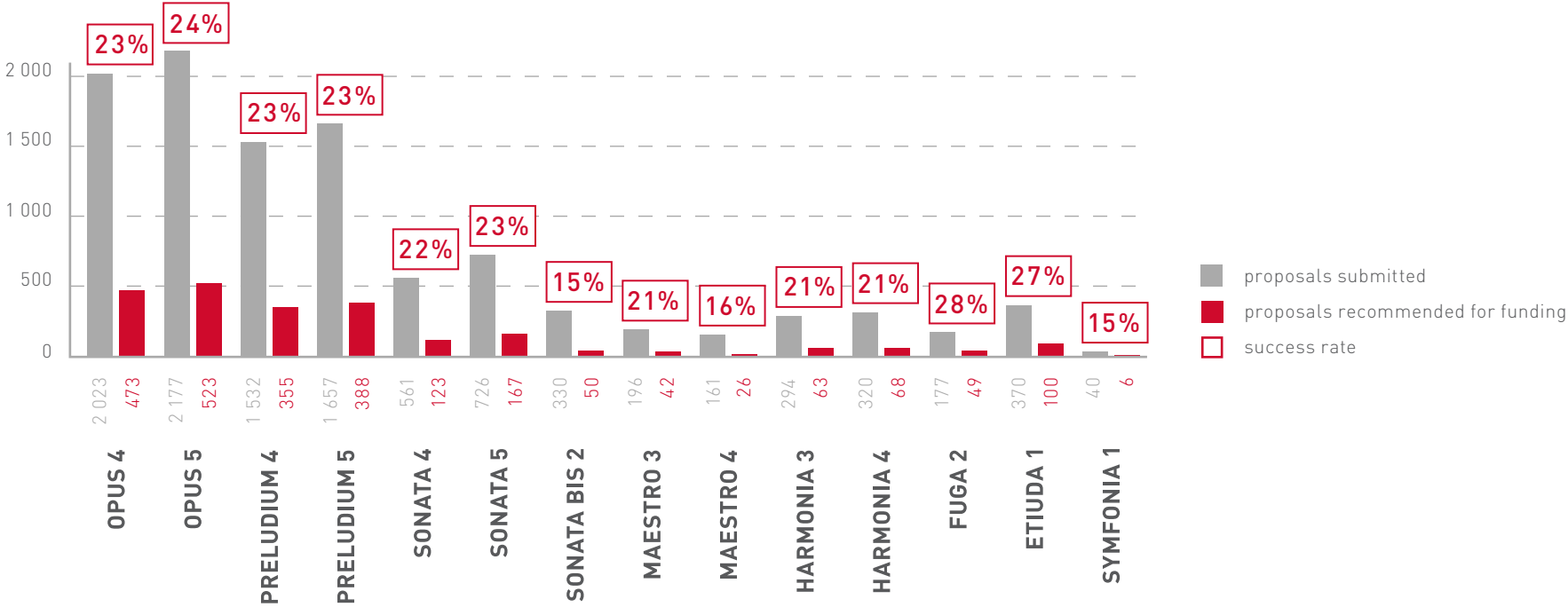
CALL	ANNOUNCED	DEADLINE	RESULTS	PROPOSALS SUBMITTED	FUNDING REQUESTED (PLN)	PROPOSALS RECOMMENDED FOR FUNDING	FUNDING GRANTED (PLN)	SUCCESS RATE	FINANCIAL SUCCESS RATE
MAESTRO 3	15 JUN 2012	15 SEP 2012	21 JAN 2013	196	408 697 746	42	95 687 493	21%	23%
HARMONIA 3	15 JUN 2012	15 SEP 2012	21 JAN 2013	294	196 524 319	63	38 163 258	21%	19%
OPUS 4	15 SEP 2012	15 DEC 2012	29 APR 2013	2 023	902 745 700	473	211 652 273	23%	23%
PRELUDIUM 4	15 SEP 2012	15 DEC 2012	29 APR 2013	1 532	151 929 929	355	36 428 010	23%	24%
SONATA 4	15 SEP 2012	15 DEC 2012	29 APR 2013	561	181 099 209	123	42 096 441	22%	23%
SONATA BIS 2	15 SEP 2012	15 DEC 2012	29 APR 2013	330	236 786 750	50	54 987 442	15%	23%
MAESTRO 4	15 DEC 2012	15 MAR 2013	2 JUL 2013	161	373 997 309	26	65 576 700	16%	18%
HARMONIA 4	15 DEC 2012	15 MAR 2013	2 JUL 2013	320	223 013 243	68	58 100 294	21%	26%
FUGA 2	15 DEC 2012	15 MAR 2013	2 JUL 2013	177	76 027 474	49	21 614 835	28%	28%
ETIUDA 1	15 DEC 2012	15 MAR 2013	2 JUL 2013	370	29 502 325	100	8 200 988	27%	28%
SYMFONIA 1	15 NOV 2012	15 MAR 2013	23 JUL 2013	40	201 866 462	6	30 245 136	15%	15%
OPUS 5	15 MAR 2013	17 JUN 2013	8 NOV 2013	2 177	1 052 841 915	523	246 112 662	24%	23%
PRELUDIUM 5	15 MAR 2013	17 JUN 2013	8 NOV 2013	1 657	165 334 185	388	39 824 802	23%	24%
SONATA 5	15 MAR 2013	17 JUN 2013	8 NOV 2013	726	238 458 743	167	53 571 042	23%	22%
HARMONIA 5	15 JUN 2013	16 SEP 2013	23 JAN 2014	290	230 173 030	54	43 646 168	19%	19%
MAESTRO 5	15 JUN 2013	16 SEP 2013	23 JAN 2014	142	330 574 308	9	24 684 965	6%	7%
SONATA BIS 3	15 JUN 2013	16 SEP 2013	23 JAN 2014	371	316 109 105	52	61 131 340	14%	19%
OPUS 6	16 SEP 2013	16 DEC 2013	JUNE 2014	2 372	1 248 592 492	N/A	N/A	N/A	N/A
PRELUDIUM 6	16 SEP 2013	16 DEC 2013	JUNE 2014	1 695	174 587 656	N/A	N/A	N/A	N/A
SONATA 6	16 SEP 2013	16 DEC 2013	JUNE 2014	942	337 915 434	N/A	N/A	N/A	N/A
FUGA 3	16 DEC 2013	17 MAR 2014	17 SEP 2014	N/A	N/A	N/A	N/A	N/A	N/A
ETIUDA 2	16 DEC 2013	17 MAR 2014	17 SEP 2014	N/A	N/A	N/A	N/A	N/A	N/A
SYMFONIA 2	16 DEC 2013	17 MAR 2014	17 SEP 2014	N/A	N/A	N/A	N/A	N/A	N/A
TANGO 1	16 DEC 2013	17 MAR 2014	N/A <sup>4</sup>	N/A	N/A	N/A	N/A	N/A	N/A

<sup>3</sup> The grey area of the table covers calls concluded in 2013. This presentation is concerned with these calls. Detailed information on NCN calls concluded in 2013 can be found in tables 17 and 18, in the annex.

<sup>4</sup> Final evaluation of proposals submitted under the TANGO calls is carried out by the National Centre for Research and Development (NCBR).

Chart 2.

Proposals submitted versus proposals recommended for funding under calls for proposals concluded in 2013, and the success rate for each call



**NCN funding  
opportunities for calls  
concluded in 2013**

NCN funding opportunities for calls concluded in 2013

**OPUS** – a funding opportunity for research projects that may include purchase or construction of research equipment

- In 2013, two OPUS calls for proposals were concluded (OPUS 4, OPUS 5), with 4,200 proposals submitted, requesting ca. 1.96 billion PLN in funding.
- As a result of the two 2013 calls, as many as 996 research projects were recommended for funding (23% of all proposals submitted under these calls) worth more than 458 million PLN.

Chart 3.  
Proposals submitted versus proposals recommended for funding in the OPUS 4 call, with breakdown into research domains

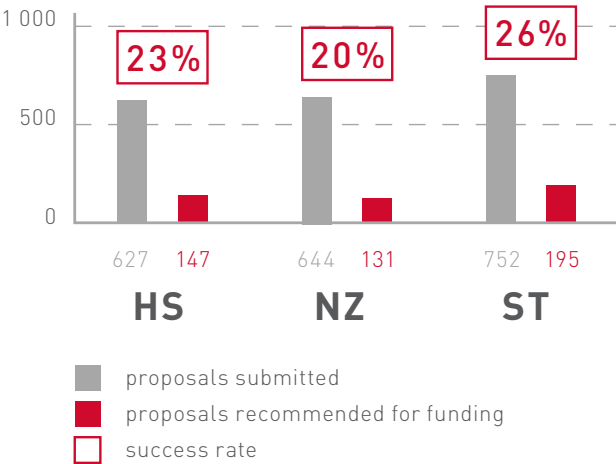
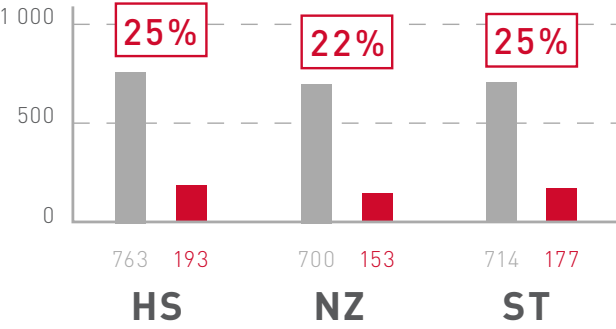


Chart 4.  
Proposals submitted versus proposals recommended for funding in the OPUS 5 call, with breakdown into research domains



OPUS calls concluded in the years 2011-2013:

- 12,830 proposals submitted;
- 3,027 research projects awarded funding;
- 24% – overall success rate;
- over 1.2 billion PLN granted;
- 22% – overall financial success rate.

Chart 5.  
Proposals submitted versus proposals recommended for funding in calls under the OPUS funding scheme concluded in the years 2011-2013

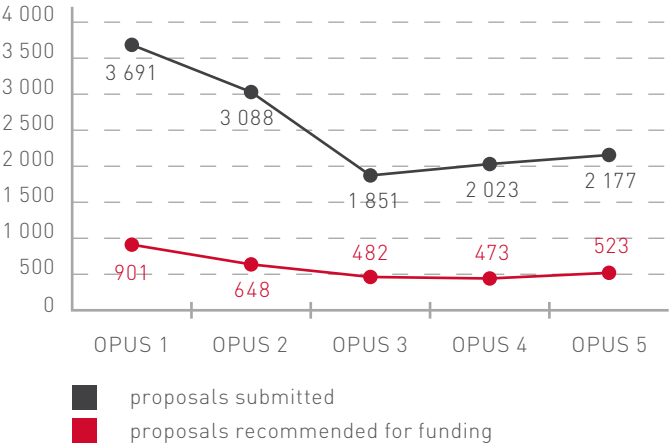
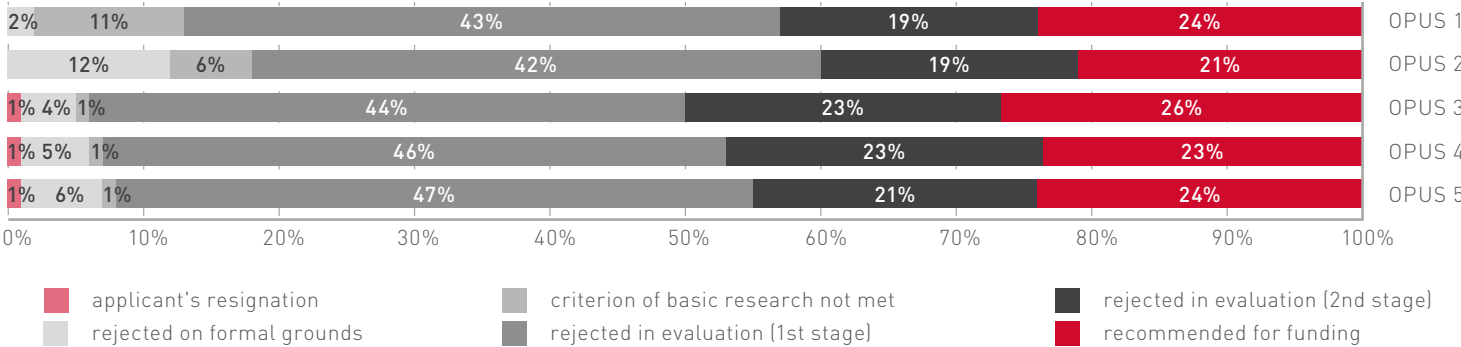


Chart 6.  
Results of the proposal evaluation process in the OPUS calls concluded in the years 2011-2013

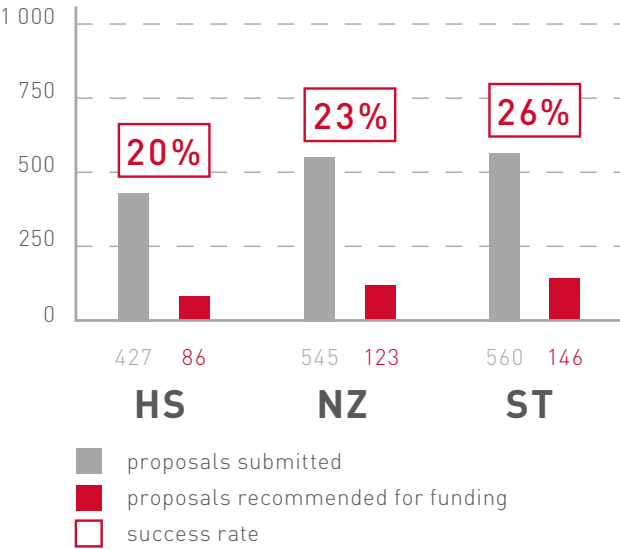




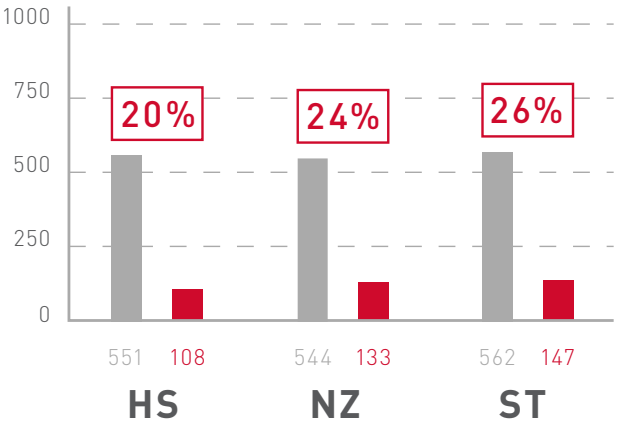
**PRELUDIUM** – a funding opportunity for research projects carried out by individuals at the beginning of their path in research

- In 2013, two PRELUDIUM calls were concluded (PRELUDIUM 4, PRELUDIUM 5), with 3,189 proposals submitted, requesting over 317 million PLN in funding.
- As a result of the two 2013 calls, as many as 743 research projects were recommended for funding (23% of all proposals submitted under these calls) worth over 76 million PLN.

**Chart 7.**  
Proposals submitted versus proposals recommended for funding in the PRELUDIUM 4 call, with breakdown into research domains



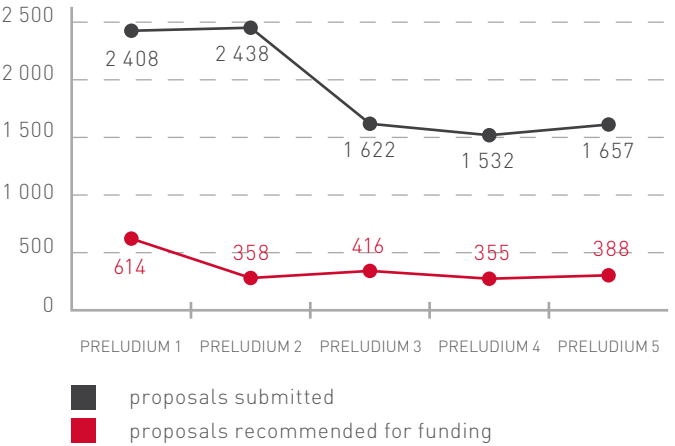
**Chart 8.**  
Proposals submitted versus proposals recommended for funding in the PRELUDIUM 5 call, with breakdown into research domains



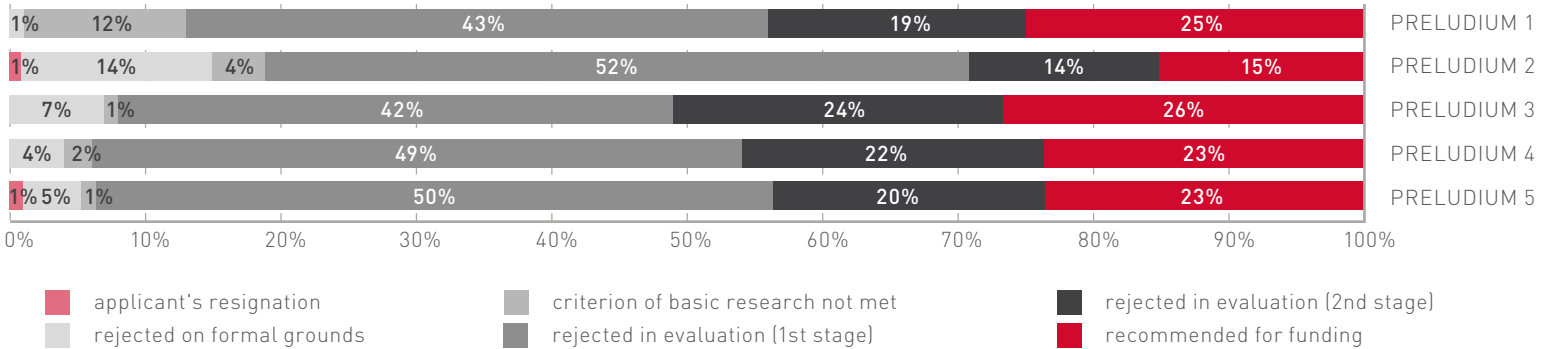
PRELUDIUM calls concluded in the years 2011-2013:

- 9,657 research proposals submitted;
- 2,131 research projects awarded funding;
- 22% – overall success rate;
- over 230 million PLN granted;
- 20% – overall financial success rate.

**Chart 9.**  
Proposals submitted versus proposals recommended for funding in calls under the PRELUDIUM funding scheme concluded in the years 2011-2013



**Chart 10.**  
Results of the proposal evaluation process in the PRELUDIUM calls concluded in the years 2011-2013



**SONATA** – a funding opportunity for projects carried out by researchers at the beginning of their career in research, with a doctorate

- In 2013, two SONATA calls were concluded (SONATA 4, SONATA 5), with 1,287 proposals submitted, requesting nearly 419.6 million PLN in funding.
- As a result of the two 2013 calls, as many as 290 research projects were recommended for funding (23% of all proposals submitted under these calls) worth ca. 95.7 million PLN.

Chart 11.  
Proposals submitted versus proposals recommended for funding in the SONATA 4 call, with breakdown into research domains

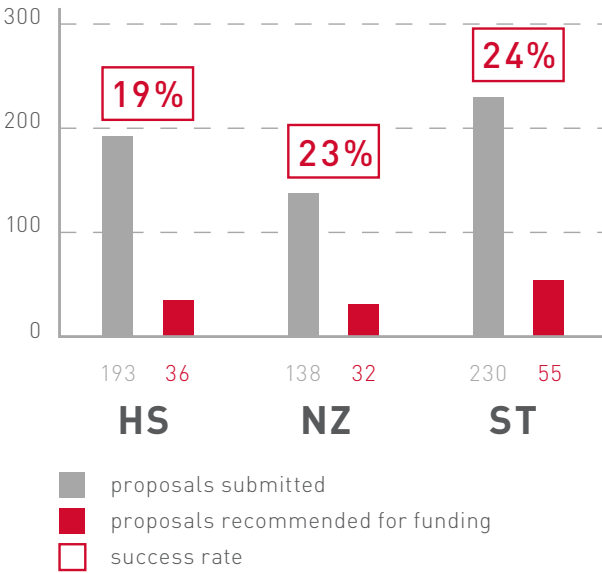
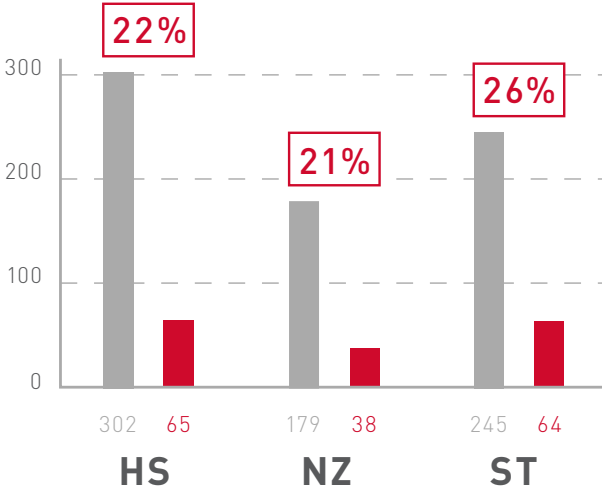


Chart 12.  
Proposals submitted versus proposals recommended for funding in the SONATA 5 call, with breakdown into research domains



SONATA calls concluded in the years 2011-2013:

- 4,220 proposals submitted;
- 904 research projects awarded funding;
- 21% – overall success rate;
- over 334 million PLN granted;
- 21% – overall financial success rate.

Chart 13.  
Proposals submitted versus proposals recommended for funding in calls under the SONATA funding scheme concluded in the years 2011-2013

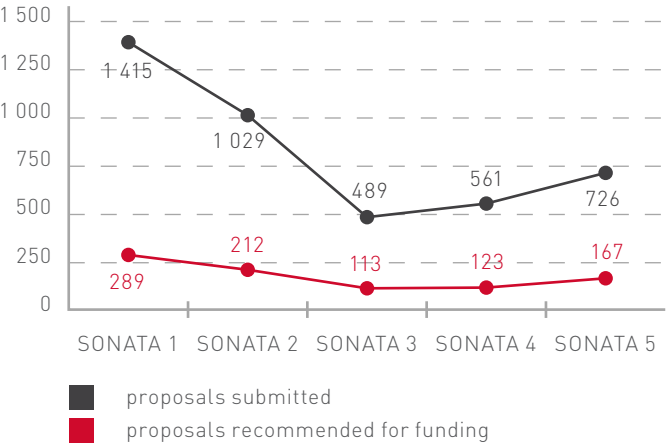
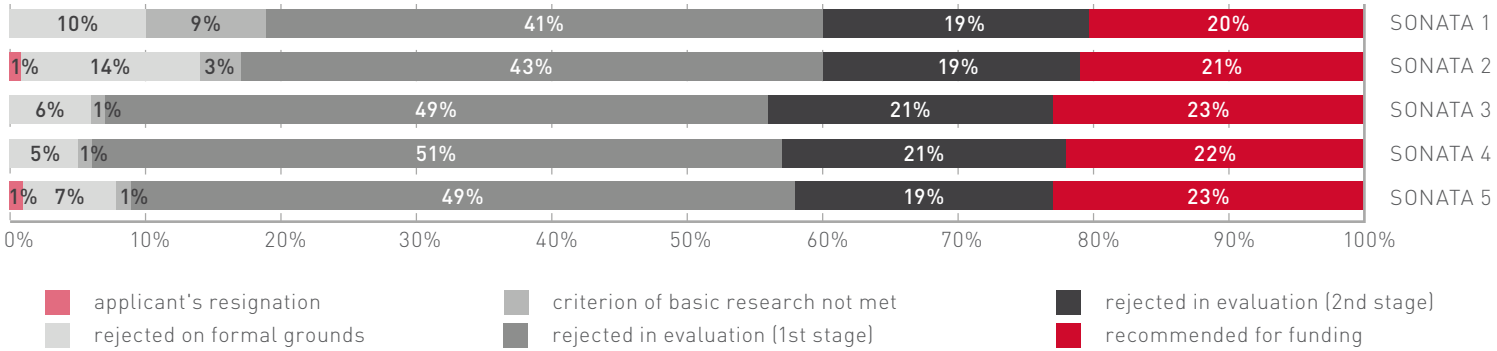


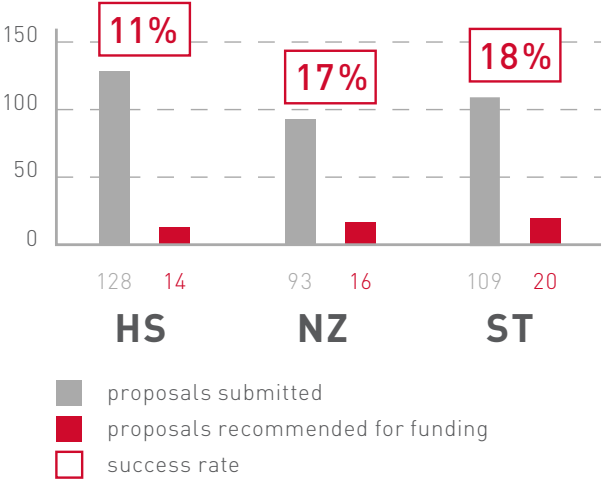
Chart 14.  
Results of the proposal evaluation process in the SONATA calls concluded in the years 2011-2013



**SONATA BIS** – a funding opportunity addressed to researchers with a doctoral degree obtained within 2-12 years of submission of the proposal, wanting to establish a new research team

- In 2013, one SONATA BIS call was concluded (SONATA BIS 2), with 330 proposals submitted, requesting nearly 236.8 million PLN in funding.
- As a result of the two 2013 calls, as many as 50 research projects were recommended for funding (15% of all proposals submitted under these calls) worth ca. 55 million PLN.

Chart 15.  
Proposals submitted versus proposals recommended for funding in the SONATA BIS 2 call, with breakdown into research domains



SONATA BIS calls concluded in the years 2011-2013:

- 600 proposals submitted;
- 111 research projects awarded funding;
- 19% – overall success rate;
- ca.114 million PLN granted;
- 26% – overall financial success rate.

Chart 16.  
Proposals submitted versus proposals recommended for funding in calls under the SONATA BIS funding scheme concluded in the years 2011-2013

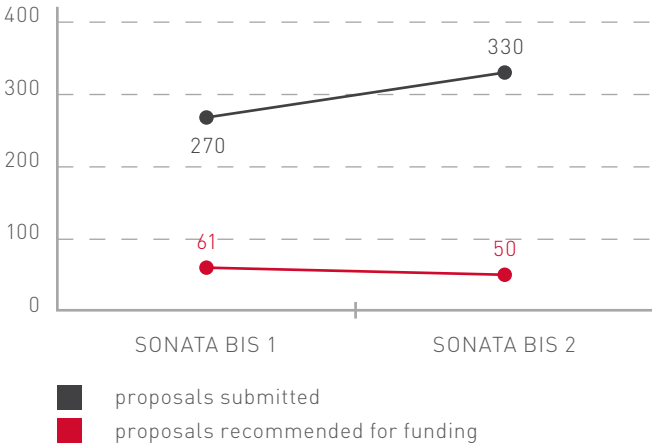
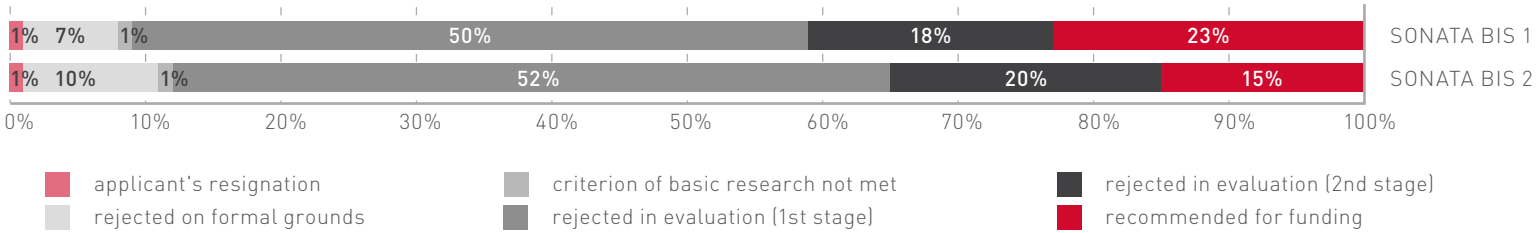


Chart 17.  
Results of the proposal evaluation process in the SONATA BIS calls concluded in the years 2011-2013



**MAESTRO** – a funding opportunity designed for advanced researchers wanting to conduct pioneering research, including interdisciplinary research, which is important for the development of science, surpassing the current state of knowledge, leading to the creation of a new paradigm, or forging pathways to new frontiers in that field

- In 2013, two MAESTRO calls were concluded (MAESTRO 3, MAESTRO 4), with 357 proposals submitted, requesting nearly 782.7 million PLN in funding.
- As a result of the two 2013 calls, as many as 68 research projects were recommended for funding (19% of all proposals submitted under these calls) worth over 161.3 million PLN.

Chart 18.  
Proposals submitted versus proposals recommended for funding in the MAESTRO 3 call, with breakdown into research domains

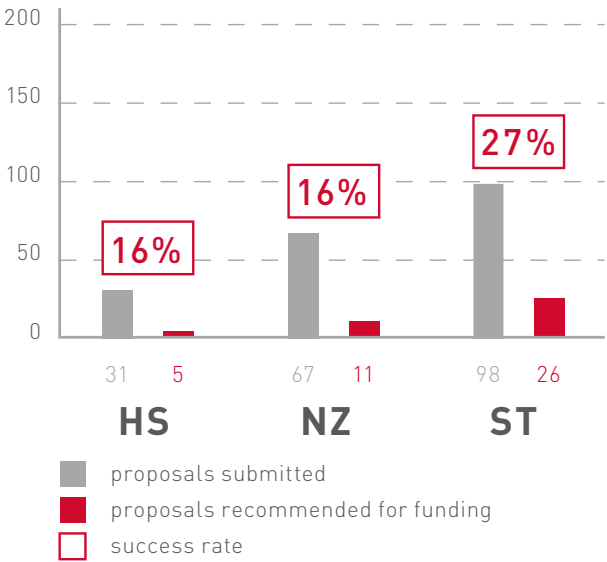
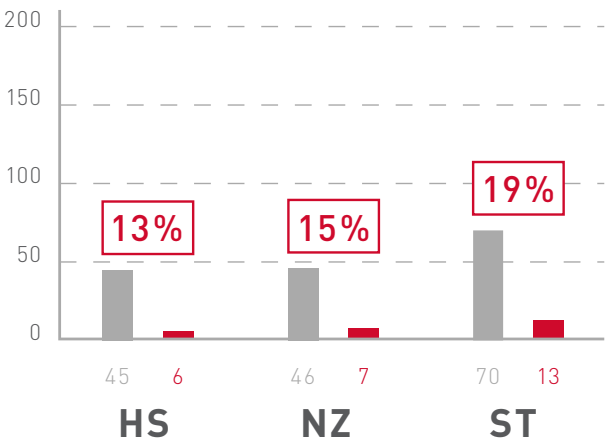


Chart 19.  
Proposals submitted versus proposals recommended for funding in the MAESTRO 4 call, with breakdown into research domains



MAESTRO calls concluded in the years 2011-2013:

- 1,112 proposals submitted;
- 167 research projects awarded funding;
- 15% – overall success rate;
- over 396 million PLN granted;
- 17% – overall financial success rate.

Chart 20.  
Proposals submitted versus proposals recommended for funding in calls under the MAESTRO funding scheme concluded in the years 2011-2013

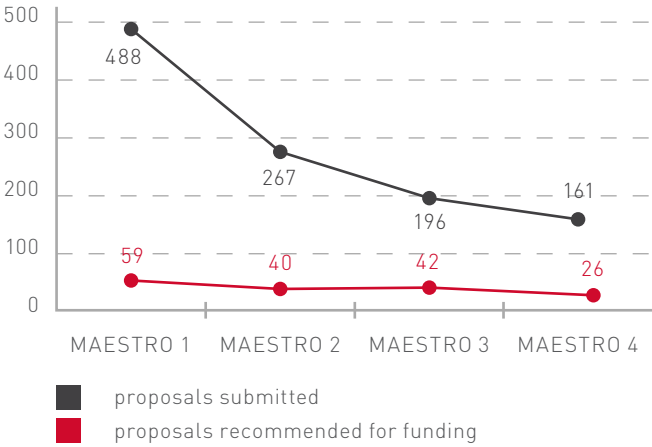
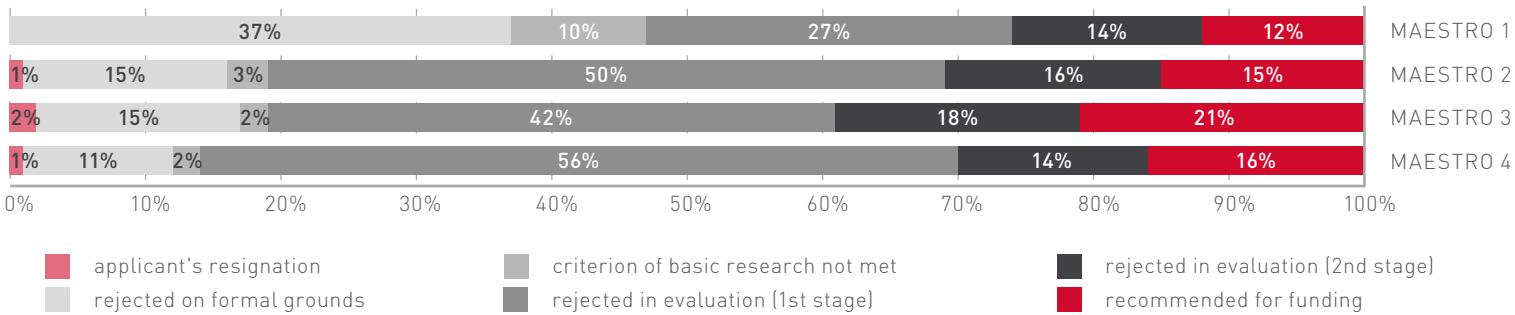


Chart 21.  
Results of the proposal evaluation process in the MAESTRO calls concluded in the years 2011-2013



**HARMONIA** – a funding opportunity for researchers wanting to carry out projects in international cooperation

- In 2013, two HARMONIA calls were concluded (HARMONIA 3, HARMONIA 4), with 614 proposals submitted, requesting 419.5 million PLN in funding.
- As a result of the two 2013 calls, as many as 131 research projects were recommended for funding (19% of all proposals submitted under these calls) worth over 96 million PLN.

Chart 22.  
Proposals submitted versus proposals recommended for funding in the HARMONIA 3 call, with breakdown into research domains

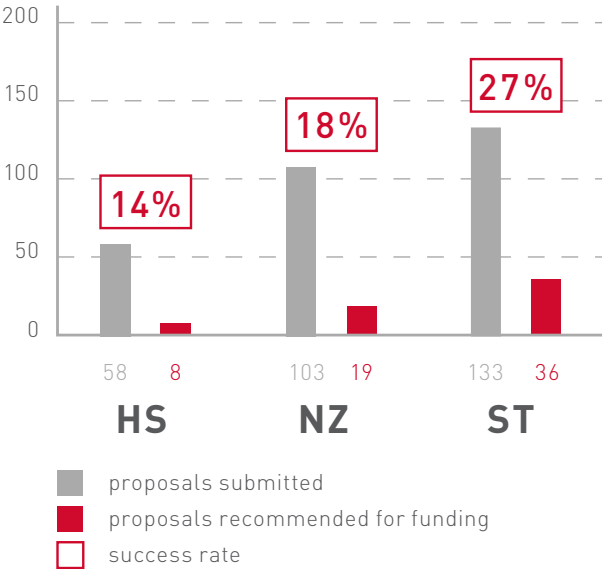
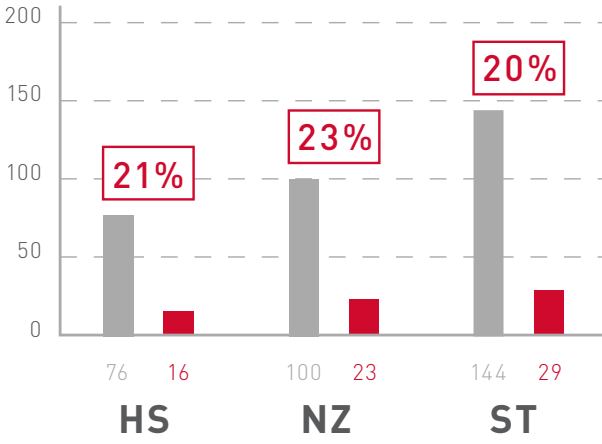


Chart 23.  
Proposals submitted versus proposals recommended for funding in the HARMONIA 4 call, with breakdown into research domains



HARMONIA calls concluded in the years 2011-2013:

- 1,209 proposals submitted;
- 249 research projects awarded funding;
- 21% – overall success rate;
- nearly 176 million PLN granted;
- 21% – overall financial success rate.

Chart 24.  
Proposals submitted versus proposals recommended for funding in calls under the HARMONIA funding scheme concluded in the years 2011-2013

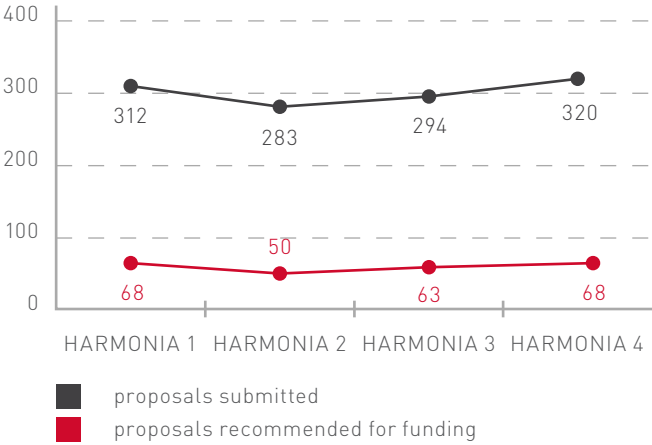
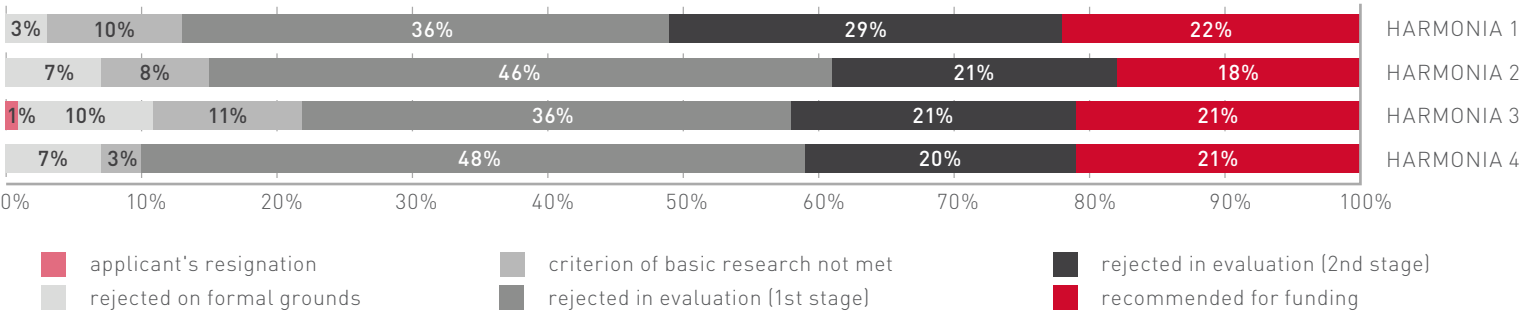


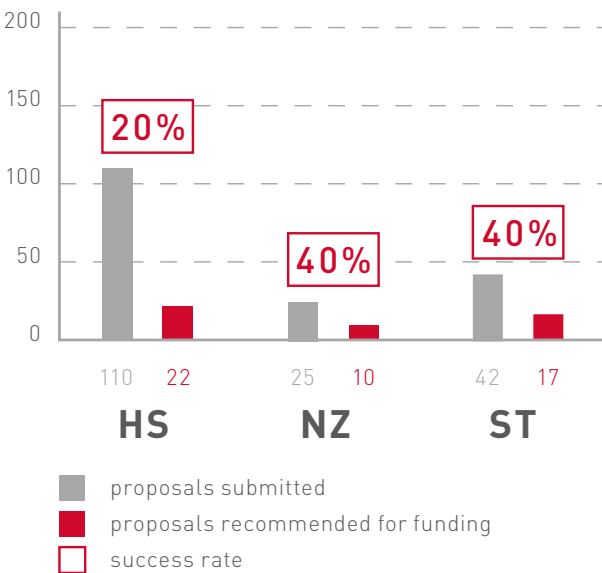
Chart 25.  
Results of the proposal evaluation process in the HARMONIA calls concluded in the years 2011-2013



**FUGA** – a funding opportunity for researchers interested in post-doctoral internships in research institutions in Poland

- In 2013, one FUGA call was concluded, with 177 proposals submitted, requesting over 76 million PLN in funding.
- As a result of the FUGA 2 call, as many as 49 research projects were recommended for funding (28% of all proposals submitted under these calls) worth more than 21.6 million PLN.

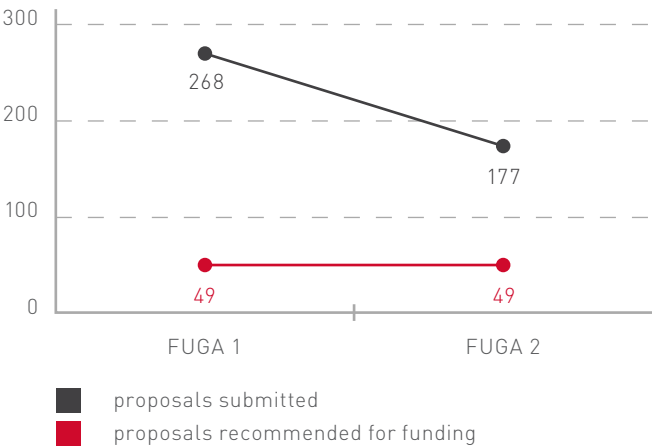
**Chart 26.**  
Proposals submitted versus proposals recommended for funding in the FUGA 2 call, with breakdown into research domains



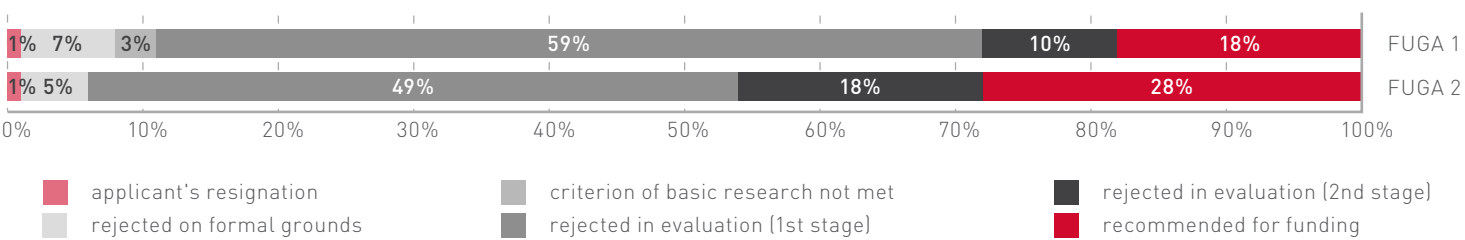
With regard to all calls under the FUGA scheme concluded in the years 2011-2013:

- 445 proposals submitted;
- 98 research projects awarded funding;
- 22% – overall success rate;
- ca. 42 million PLN granted;
- 23% – overall financial success rate.

**Chart 27.**  
Proposals submitted versus proposals recommended for funding in calls under the FUGA funding scheme concluded in the years 2011-2013



**Chart 28.**  
Results of the proposal evaluation process in the FUGA calls concluded in the years 2011-2013



**🎵 ETIUDA** – a funding opportunity in the form of scholarships for PhD candidates

- In 2013, one ETIUDA call was concluded, with 370 proposals submitted, requesting over 29.5 million PLN in funding.
- As a result of the ETIUDA 1 call, as many as 100 research projects were recommended for funding (27% of all proposals submitted under these calls) worth over 8.2 million PLN.
- Financial success rate for ETIUDA 1 equated to 28%.

Chart 29.  
Proposals submitted versus proposals recommended for funding in the ETIUDA 1 call, with breakdown into research domains

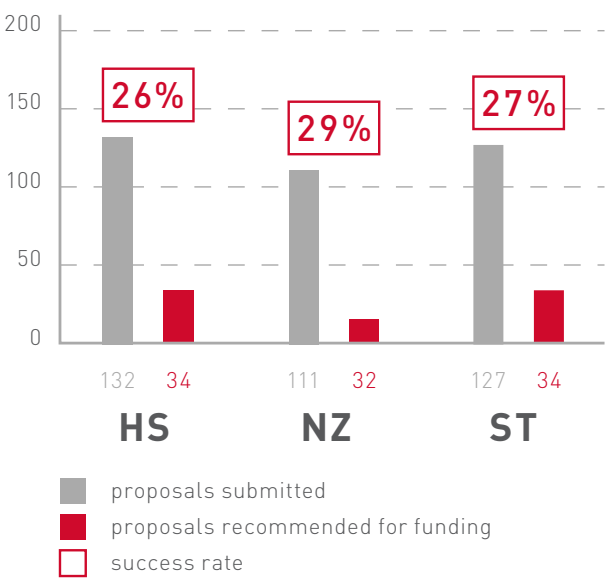
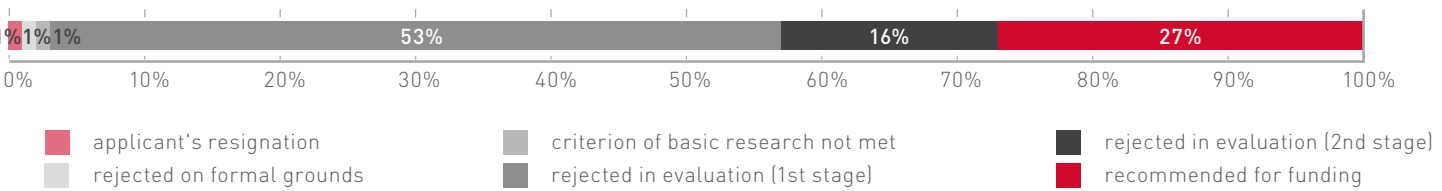


Chart 30.  
Results of the proposal evaluation process in the ETIUDA 1 call



**🎵 SYMFONIA** – a funding opportunity intended for exceptional, established researchers wanting to carry out interdisciplinary or cross-domain research in collaboration with teams representing different areas of research

- In 2013, the NCN launched a call for proposals under the SYMFONIA scheme for the first time, receiving 40 proposals, requesting funding in excess of 199.3 million PLN.
- As a result of the SYMFONIA 1 call, 6 research projects were recommended for funding (15% of all proposals submitted under these calls) worth over 30.2 million PLN.
- Financial success rate for SYMFONIA 1 equated to 15%.

Chart 31.  
Proposals submitted versus proposals recommended for funding in the SYMFONIA 1 call, with breakdown into research domains

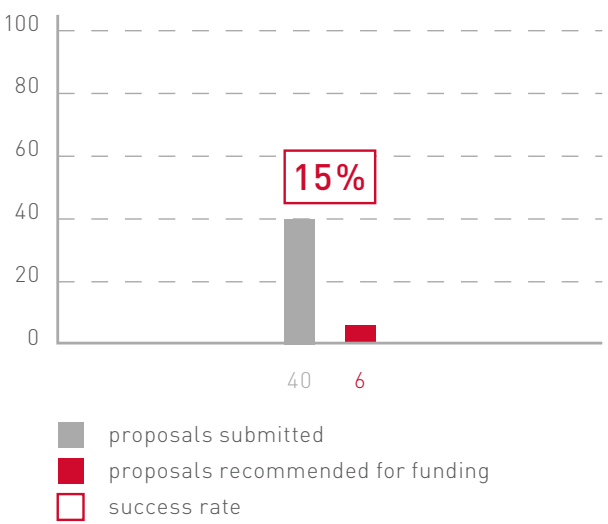
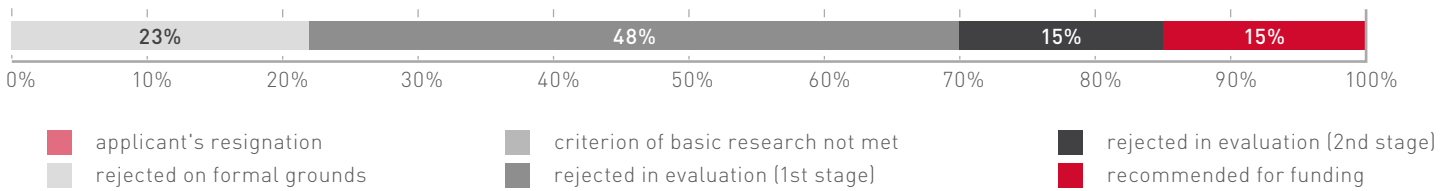


Chart 32.  
Results of the proposal evaluation process in the SYMFONIA 1 call



**Beneficiaries  
of NCN calls  
concluded in 2013**



Beneficiaries of NCN calls concluded in 2013

Chief beneficiaries of NCN calls concluded in 2013 (by type):

- public and non-public institutions of higher education [70% of the total];
- institutes of the Polish Academy of Sciences [24%];
- research institutes [5%].

Chart 33.  
The amount of funding given to respective categories of beneficiaries of NCN calls concluded in 2013

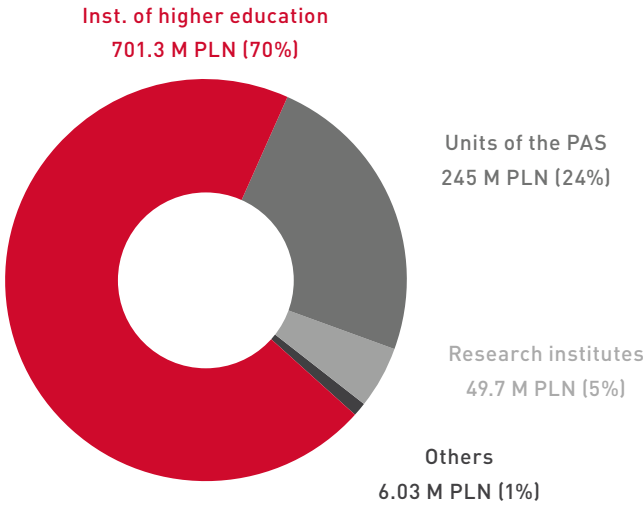


Table 2.  
Beneficiaries of NCN funding in calls concluded in 2013

TYPE OF UNIT	PROJECTS RECOMMENDED FOR FUNDING	AMOUNT OF FUNDING (PLN)	PERCENTAGE OF RECOMMENDED PROJECTS	PERCENTAGE OF THE TOTAL FUNDING
institution of higher education	1 858	701 308 486	76%	70%
institute of the polish academy of sciences	447	245 021 398	18%	24%
research institute*	107	49 669 982	4%	5%
others**	21	6 261 510	1%	1%
TOTAL	2 433	1 002 261 376	100%	100%

\* including the International Institute of Molecular and Cell Biology  
\*\* including, among others, hospitals, foundations, societies and entrepreneurs

The ranking list of beneficiaries of the funding opportunities concluded by the NCN in 2013 was, similar to the previous year, topped by two public universities: the University of Warsaw and Jagiellonian University. The University of Warsaw was granted resources amounting to over 108 M PLN to finance 280 research projects, scholarships and internships. Jagiellonian University received nearly 155.5 M PLN in funding to finance 263 research projects, scholarships and post-doc internships (see table 3).

Table 3.  
Ranking list of the top ten host institutions who received funding for the largest number of research projects, scholarships and internships in NCN calls concluded in 2013

NO.	UNIT	PROJECTS RECOMMENDED FOR FUNDING	AMOUNT OF FUNDING (PLN)
1	University of Warsaw	280	108 016 954
2	Jagiellonian University*	263	115 497 162
3	Adam Mickiewicz University, Poznań	129	43 969 843
4	University of Wrocław	89	33 121 948
5	Wroctaw University of Technology	63	27 481 164
6	Warsaw University of Technology	63	25 080 067
7	AGH University of Science and Technology, Kraków	61	23 629 991
8	Nicolaus Copernicus University	60	21 058 072
9	University of Łódź	58	17 360 475
10	University of Gdańsk	56	20 554 024

\* Including Jagiellonian University Medical College

Again, as in the previous year, the most successful in NCN calls were host institutions from the Mazowieckie Voivodeship, followed by those from the Małopolskie Voivodeship, the Wielkopolskie Voivodeship and the Śląskie Voivodeship (see table 4, figure 1).

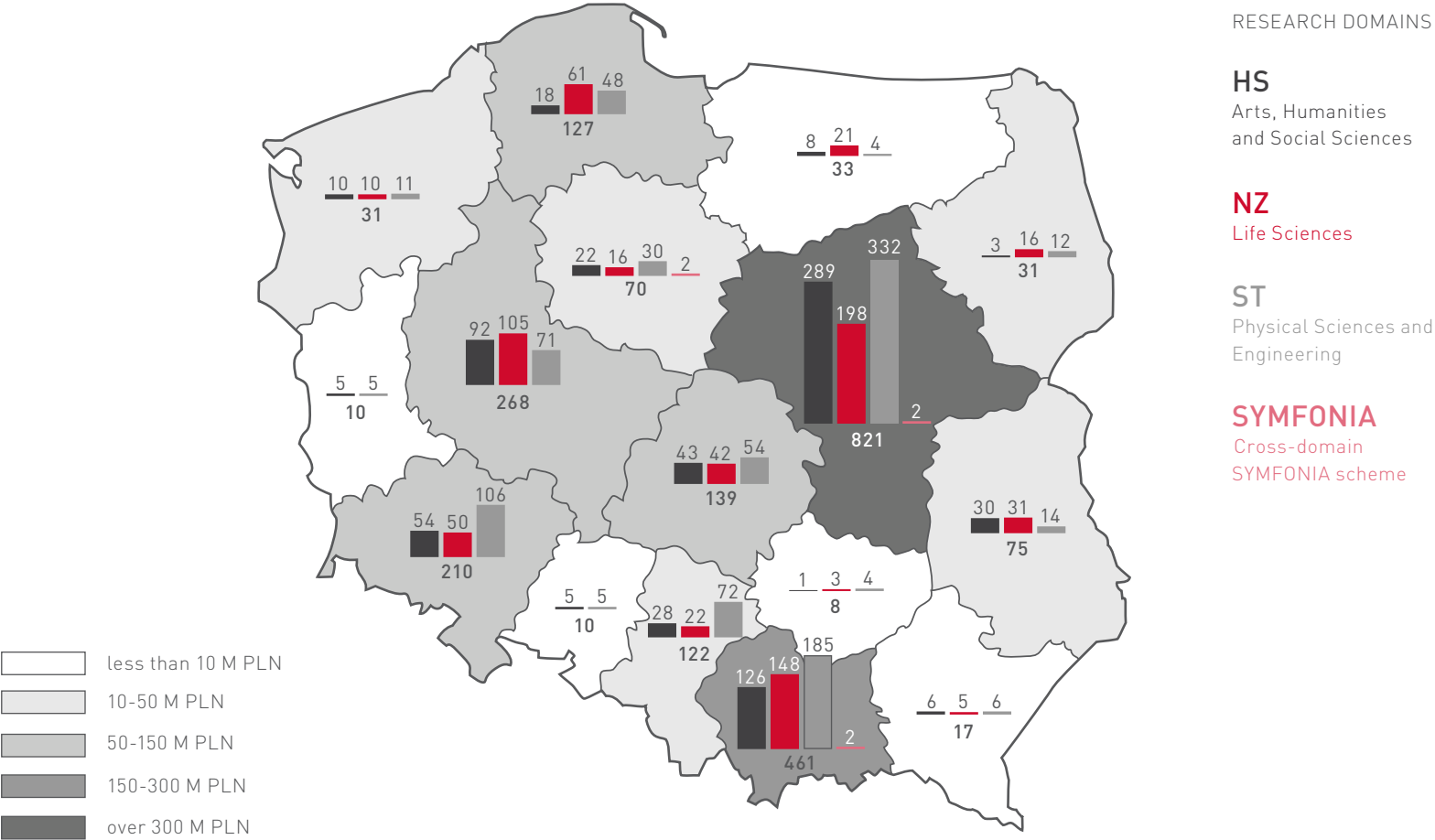
Table 4.

Voivodeships of Poland, in order of total funding granted to institu-  
tions on their territory as a result of NCN calls concluded in 2013 (with  
breakdown into research areas – HS, NZ, ST – and the SYMFONIA 1  
cross-domain call)

VOIVODESHIP	PROPOSALS RECOMMENDED	RECEIVED FUNDING	PROPOSALS RECOMMENDED HS	FUNDING HS (PLN)	PROPOSALS RECOMMENDED NZ	FUNDING NZ (PLN)	PROPOSALS RECOMMENDED ST	FUNDING ST (PLN)	PROPOSALS RECOMMENDED SYMFONIA 1	FUNDING SYMFONIA 1 (PLN)
mazowieckie	821	347 338 683	289	78 457 366	198	101 636 258	332	156 245 059	2	11 000 000
małopolskie	461	210 600 199	126	27 236 487	148	81 319 325	185	89 044 387	2	13 000 000
wielkopolskie	268	109 463 972	92	15 921 267	105	51 798 658	71	41 744 047	0	0
dolnośląskie	210	79 178 927	54	12 097 751	50	22 975 366	106	44 105 810	0	0
łódzkie	139	62 080 074	43	9 592 964	42	19 673 658	54	32 813 452	0	0
pomorskie	127	50 652 085	18	2 990 337	61	28 312 785	48	19 348 963	0	0
śląskie	122	46 811 626	28	6 803 481	22	8 115 590	72	31 892 555	0	0
lubelskie	75	26 943 925	30	7 701 198	31	11 786 833	14	7 455 894	0	0
kujawsko- pomorskie	70	23 615 571	22	2 826 058	16	6 067 788	30	8 476 589	2	6 245 136
zachodnio- pomorskie	31	13 018 712	10	1 017 727	10	2 917 121	11	9 083 864	0	0
podlaskie	31	10 710 066	3	675 563	16	5 095 963	12	4 938 540	0	0
warmińsko- mazurskie	33	8 290 613	8	882 277	21	6 155 086	4	1 253 250	0	0
podkarpackie	17	4 685 865	6	952 910	5	2 120 695	6	1 612 260	0	0
świętokrzyskie	8	3 320 086	1	53 937	3	743 829	4	2 522 320	0	0
opolskie	10	3 216 664	5	998 780	0	0	5	2 217 884	0	0
lubuskie	10	2 334 308	5	864 760	0	0	5	1 469 548	0	0
TOTAL	2 433	1 002 261 376	740	169 072	728	348 718 955	959	454 224 422	6	30 245 136

Figure 1.

Number of proposals recommended for funding and the amount of  
funding in NCN calls concluded in 2013, with breakdown into voivode-  
ships and research areas (HS, NZ, ST)



**Principal Investigators  
in proposals submitted and  
awarded funding under NCN  
calls for proposals  
concluded in 2013**

Principal Investigators in proposals submitted and awarded funding under NCN calls for proposals concluded in 2013

- Of the total of 10,564 proposals submitted under NCN calls concluded in 2013, 46% were submitted by women (4,883 proposals).
- Among the awardees of the funding opportunities, 41% were women (991 proposals) (see chart 34).

Chart 34.  
Female and male Principal Investigators in proposals submitted and proposals recommended for funding

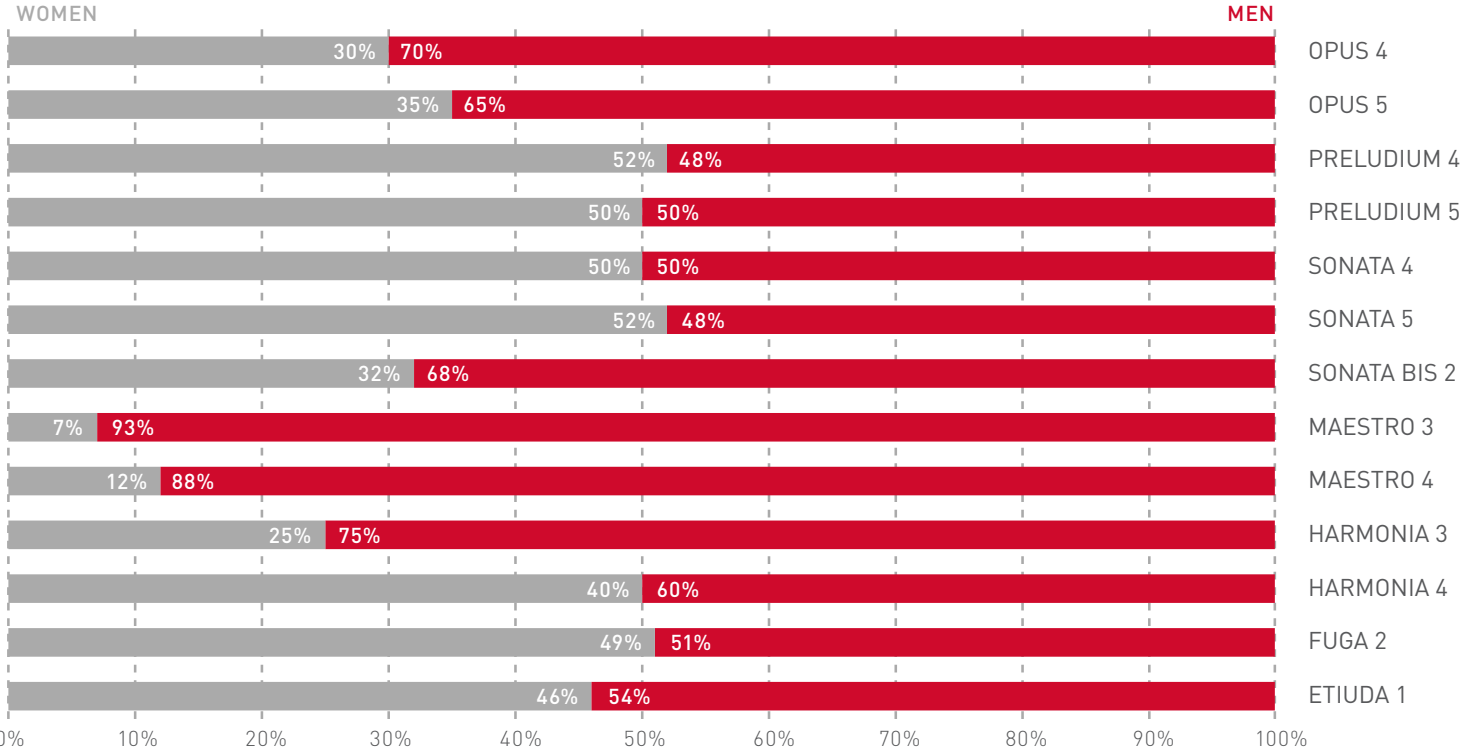


The highest percentage of women among Principal Investigators in projects recommended for funding (52%) was found in the PRELUDIUM 4 and SONATA 5 calls. The lowest percentage – in calls under the MAESTRO scheme (in MAESTRO 3, women accounted for only 7% of all Principal Investigators, whereas in MAESTRO 4 – 12%) (cf. table 5, chart 35).

Table 5.  
Proposals submitted and projects recommended for funding under NCN calls concluded in 2013 and the sex of the Principal Investigator

CALL	PROPOSALS SUBMITTED		AMOUNT OF FUNDING REQUESTED (PLN)		PROJECTS RECOMMENDED FOR FUNDING		AMOUNT OF FUNDING (PLN)	
	WOMEN	MEN	WOMEN	MEN	WOMEN	MEN	WOMEN	MEN
OPUS 4	797	1 226	329 244 842	573 500 858	141	332	62 168 522	149 483 751
OPUS 5	871	1 306	388 077 037	664 764 878	185	338	83 478 544	162 634 118
OPUS (TOTAL)	1 668	2 532	717 321 879	1 238 265 736	326	670	145 647 066	312 117 869
PRELUDIUM 4	873	659	87 941 607	63 988 322	185	170	19 911 472	16 516 538
PRELUDIUM 5	936	721	94 949 729	70 384 456	195	193	20 595 678	19 229 124
PRELUDIUM (TOTAL)	1 809	1 380	182 891 336	134 372 778	380	363	40 507 150	35 745 662
SONATA 4	278	283	88 693 780	92 405 429	62	61	21 229 887	20 866 554
SONATA 5	381	345	125 064 293	113 394 450	87	80	29 223 522	24 347 520
SONATA (TOTAL)	659	628	213 758 073	205 799 879	149	141	50 453 409	45 214 074
SONATA BIS 2	148	182	96 770 629	140 016 121	16	34	17 514 871	37 472 571
MAESTRO 3	44	152	85 353 461	323 344 285	3	39	7 147 550	88 539 943
MAESTRO 4	21	140	50 815 596	323 181 713	3	23	8 082 248	57 494 452
MAESTRO (TOTAL)	65	292	136 169 057	646 525 998	6	62	15 229 798	146 034 395
HARMONIA 3	107	187	68 155 306	128 369 013	16	47	9 969 133	28 194 125
HARMONIA 4	130	190	83 855 651	139 157 592	27	41	24 853 481	33 246 813
HARMONIA (TOTAL)	237	377	152 010 957	267 526 605	43	88	34 822 614	61 440 938
FUGA 2	82	95	36 112 878	39 914 596	25	24	11 263 143	10 351 692
ETIUDA 1	208	162	16 463 002	13 039 323	46	54	3 671 760	4 529 228
SYMFONIA 1	7	33	33 365 286	165 956 290	0	6	0	30 245 136
TOTAL	4 883	5 681	1 584 863 097	2 851 417 326	991	1 442	319 109 811	683 151 565

Chart 35.  
Percentage of women and men among the awardees of NCN calls  
concluded in 2013<sup>5</sup>



The largest proportion of women among awardees of NCN calls was found within the panels NZ3: *Cellular and developmental biology* (65%) and NZ4: *Biology of tissues, organs and organisms* (also 65%). A similar pattern could be observed among awardees of NCN calls concluded in 2012. The lowest share of women among awardees was found within the panels of ST6: *Computer science and informatics*

[5%] and ST7: *Systems and telecommunications engineering* [8%] (cf. table 6, chart 36).

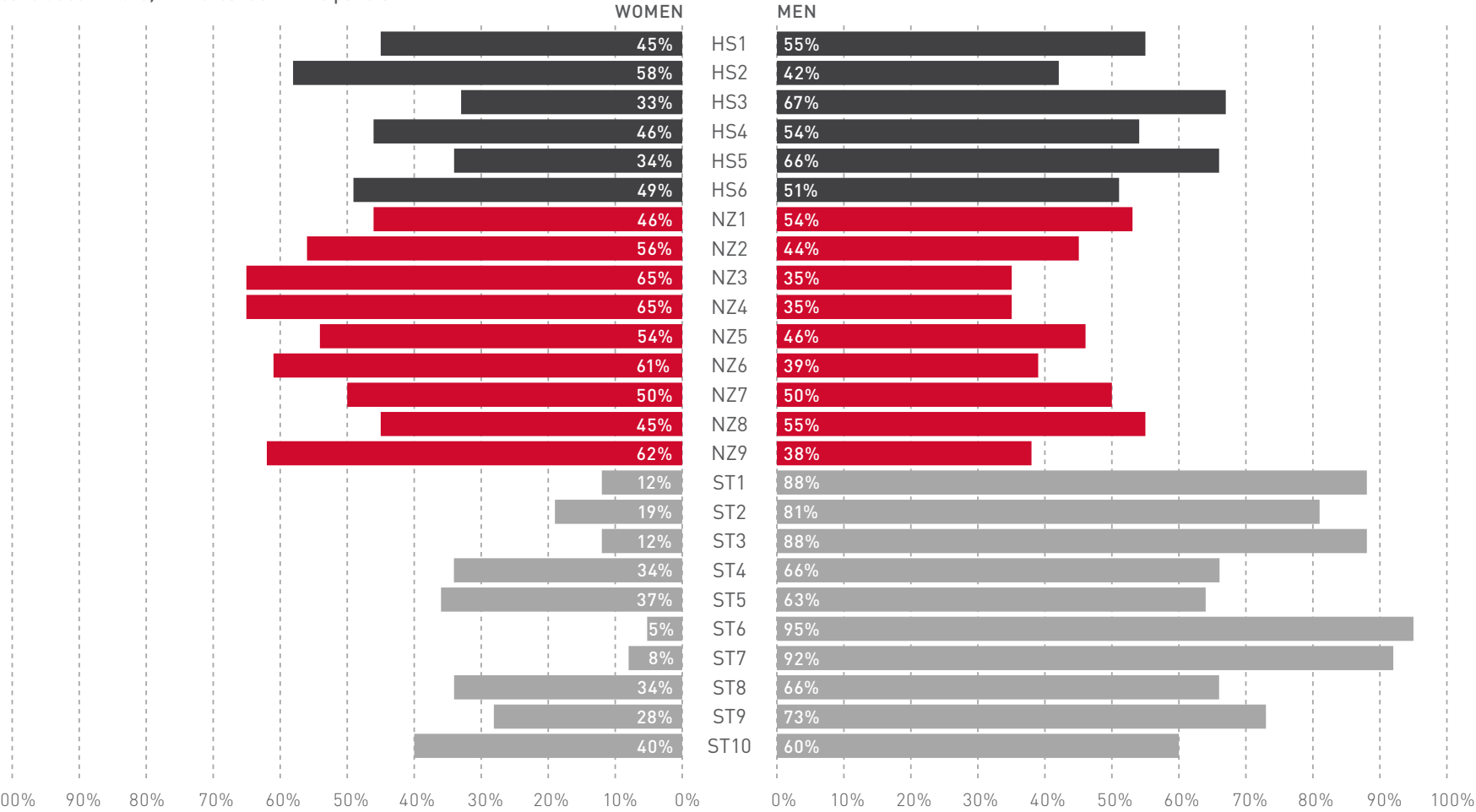
<sup>5</sup> Chart 35 omits the SYMFONIA 1 call due to the marginal number of proposals recommended as a result of this call.

Table 6.  
Proposals submitted and projects recommended for funding under  
NCN calls concluded in 2013, with regard to the sex of the Principal  
Investigator and the discipline panel<sup>6</sup>

NCN PANEL	PROPOSALS SUBMITTED		AMOUNT OF FUNDING REQUESTED (PLN)		PROJECTS RECOMMENDED FOR FUNDING		AMOUNT OF FUNDING (PLN)	
	WOMEN	MEN	WOMEN	MEN	WOMEN	MEN	WOMEN	MEN
HS1	99	179	16 352 040	36 612 786	27	33	3 254 942	5 437 935
HS2	428	238	83 371 886	81 385 791	85	61	16 945 743	16 952 262
HS3	198	331	37 963 661	85 523 415	41	82	8 820 467	19 776 270
HS4	475	435	95 873 262	108 093 359	83	97	18 011 605	23 289 898
HS5	206	298	31 325 123	74 982 947	41	79	5 431 510	14 679 297
HS6	328	228	71 884 901	86 465 309	54	57	12 914 343	23 558 591
NZ1	180	126	80 750 078	101 281 419	38	45	19 331 311	45 261 126
NZ2	107	100	49 895 029	61 798 946	29	23	10 997 047	10 321 463
NZ3	197	115	84 184 341	82 265 643	55	29	29 472 830	20 553 302
NZ4	198	139	78 901 482	86 259 405	51	27	19 551 137	14 103 957
NZ5	214	193	90 920 129	120 819 394	38	32	14 299 246	20 451 121
NZ6	135	72	51 356 865	56 053 496	23	15	7 800 395	11 004 981
NZ7	370	237	133 632 088	135 937 583	57	57	21 276 216	29 169 266
NZ8	175	144	50 716 741	58 315 876	35	42	9 552 209	15 602 681
NZ9	381	212	141 984 822	98 562 619	82	50	28 525 435	21 445 232
ST1	44	191	8 435 061	67 358 399	9	69	1 392 680	27 528 598
ST2	22	141	21 204 586	106 917 536	13	56	9 205 376	36 523 084
ST3	44	167	17 337 557	113 235 558	7	53	2 187 934	34 133 814
ST4	157	172	60 147 488	88 635 718	32	61	11 126 832	31 686 298
ST5	372	416	139 787 294	258 986 593	73	124	23 551 265	75 491 219
ST6	33	277	8 889 890	115 251 435	4	77	2 037 500	30 700 389
ST7	32	284	18 211 242	166 658 994	6	69	2 965 068	29 595 854
ST8	246	604	106 441 363	303 631 157	60	114	23 505 157	54 550 128
ST9	33	75	11 386 726	48 875 920	11	29	5 275 976	16 549 790
ST10	203	273	60 544 156	141 551 738	37	55	11 677 587	24 539 873

<sup>6</sup> Table 6 does not present data for the SYMFONIA 1 call due to the scheme's interdisciplinary nature, with proposals assessed by a cross-domain Expert Team.

Chart 36.  
Women and men as a percentage of the awardees of NCN calls concluded in 2013, with breakdown into panels<sup>7</sup>



<sup>7</sup> Chart 36 does not include data for the SYMFONIA 1 call due to the above mentioned interdisciplinary nature of the scheme.

In NCN calls concluded in 2013, proposals submitted by researchers aged 35 and younger amounted to 48% of the total. The share of the same age group among awardees of the 2013 calls was even higher – 50% (see table 7). Information on the age of the Principal Investigators was retrieved using the PESEL number, and therefore individuals without a PESEL (foreigners) have not been included in the statistics. Thus, figures quoted are approximate figures. Nevertheless, it should be noted that proposals submitted by foreigners amount to ca. 1% of all proposals recommended for funding in the calls concluded in 2013.

The considerable percentage of Principal Investigators from the ≤35 age group is partly the result of the profile of the NCN offer of opportunities, with a number of funding schemes addressed specifically to individuals at the beginning of their path in research, who typically fall into said age groups.

Among the Principal Investigators in proposals submitted under the PRELUDIUM 4 and PRELUDIUM 5 schemes, individuals aged 35 or below totalled 94%; in proposals actually awarded funding, this age category was represented by 97% of the successful Principal Investigators. Under SONATA 4 and SONATA 5, proposals were submitted in 76% of cases by individuals aged 35 or below, and the awardees representing that age group amounted to 83%. In the call under the FUGA scheme, the figure of 80% represents both the percentage of applicants and awardees who were 35 years of age or younger. In the case of the ETIUDA 1 call, all awardees, but one, were individuals aged 35 or below (cf. table 8).

Table 7.  
Proposals submitted and projects recommended for funding in NCN calls concluded in 2013 and the age of the Principal Investigator

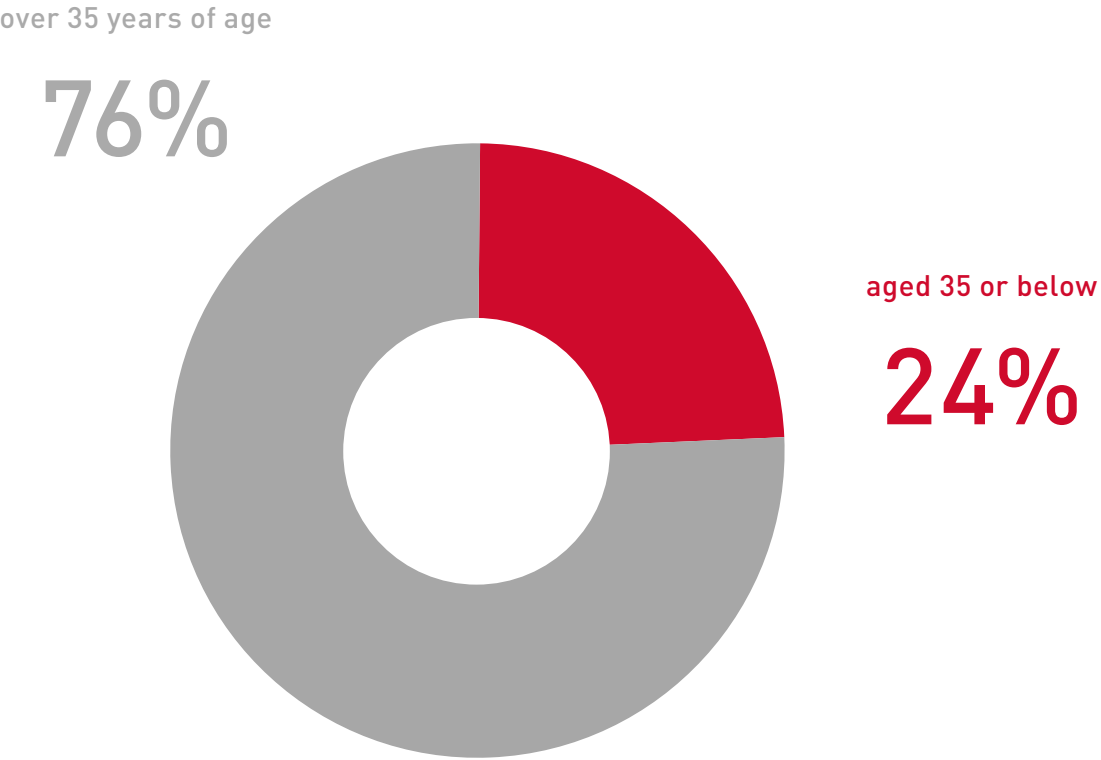
PRINCIPAL INVESTIGATOR'S AGE (AGE CATEGORIES)	PROPOSALS SUBMITTED	SHARE OF THE GIVEN AGE CATEGORY	RESEARCH PROJECTS RECOMMENDED FOR FUNDING	SHARE OF THE GIVEN AGE CATEGORY
below 25	534	5.1%	114	4.7%
26-30	2 781	26.5%	719	29.7%
31-35	1 758	16.7%	381	15.8%
36-40	1 526	14.5%	315	13.0%
41-50	1 661	15.8%	360	14.9%
51-60	1 212	11.5%	292	12.1%
61-70	903	8.6%	215	8.9%
71-80	114	1.1%	22	0.9%
over 80	13	0.1%	1	below 0.1%
TOTAL	10 502	100%	2 419	100%

Table 8.  
Proposals submitted and research projects recommended for funding in NCN calls for proposals concluded in 2013 and the age of the Principal Investigators (PIs)

CALL	PROPOSALS SUBMITTED		PROJECTS RECOMMENDED FOR FUNDING	
	PIs AGED 35 AND BELOW (PERCENTAGE)	PIs OVER 35 YEARS OF AGE (PERCENTAGE)	PIs AGED 35 AND BELOW (PERCENTAGE)	PIs OVER 35 YEARS OF AGE (PERCENTAGE)
OPUS 4	266 [13%]	1 748 [87%]	49 [10%]	422 [90%]
OPUS 5	185 [9%]	1 981 [91%]	42 [8%]	479 [92%]
OPUS TOTAL	451 [11%]	3 729 [89%]	91 [9%]	901 [91%]
PRELUDIUM 4	1 456 [95%]	69 [5%]	346 [98%]	7 [2%]
PRELUDIUM 5	1 548 [94%]	92 [6%]	371 [97%]	10 [3%]
PRELUDIUM TOTAL	3 004 [95%]	161 [5%]	717 [98%]	17 [2%]
SONATA 4	437 [78%]	120 [22%]	104 [85%]	19 [15%]
SONATA 5	541 [75%]	180 [25%]	137 [82%]	30 [18%]
SONATA TOTAL	978 [77%]	300 [23%]	241 [83%]	49 [17%]
SONATA BIS 2	86 [26%]	244 [74%]	14 [28%]	36 [72%]
MAESTRO 3	1 [1%]	193 [99%]	0 [0%]	41 [100%]
MAESTRO 4	0 [0%]	157 [100%]	0 [0%]	26 [100%]
MAESTRO TOTAL	1 [below 1%]	350 [100%]	0 [0%]	67 [100%]
HARMONIA 3	38 [13%]	255 [87%]	9 [14%]	54 [86%]
HARMONIA 4	27 [8%]	293 [92%]	4 [6%]	64 [94%]
HARMONIA TOTAL	65 [11%]	548 [89%]	13 [10%]	118 [90%]
FUGA 2	140 [80%]	36 [20%]	39 [80%]	10 [20%]
ETIUDA 1	347 [94%]	22 [6%]	99 [99%]	1 [1%]
SYMFONIA 1	1 [3%]	39 [97%]	0 [0%]	6 [100%]

Chart 37.  
Share of the resources granted to projects by researchers aged 35 or below in regards to the total funding distributed by the NCN in 2013

Resources allocated to projects by researchers aged 35 or below amounted to 24% of the total funding distributed in NCN calls for proposals in 2013 (see chart 37).

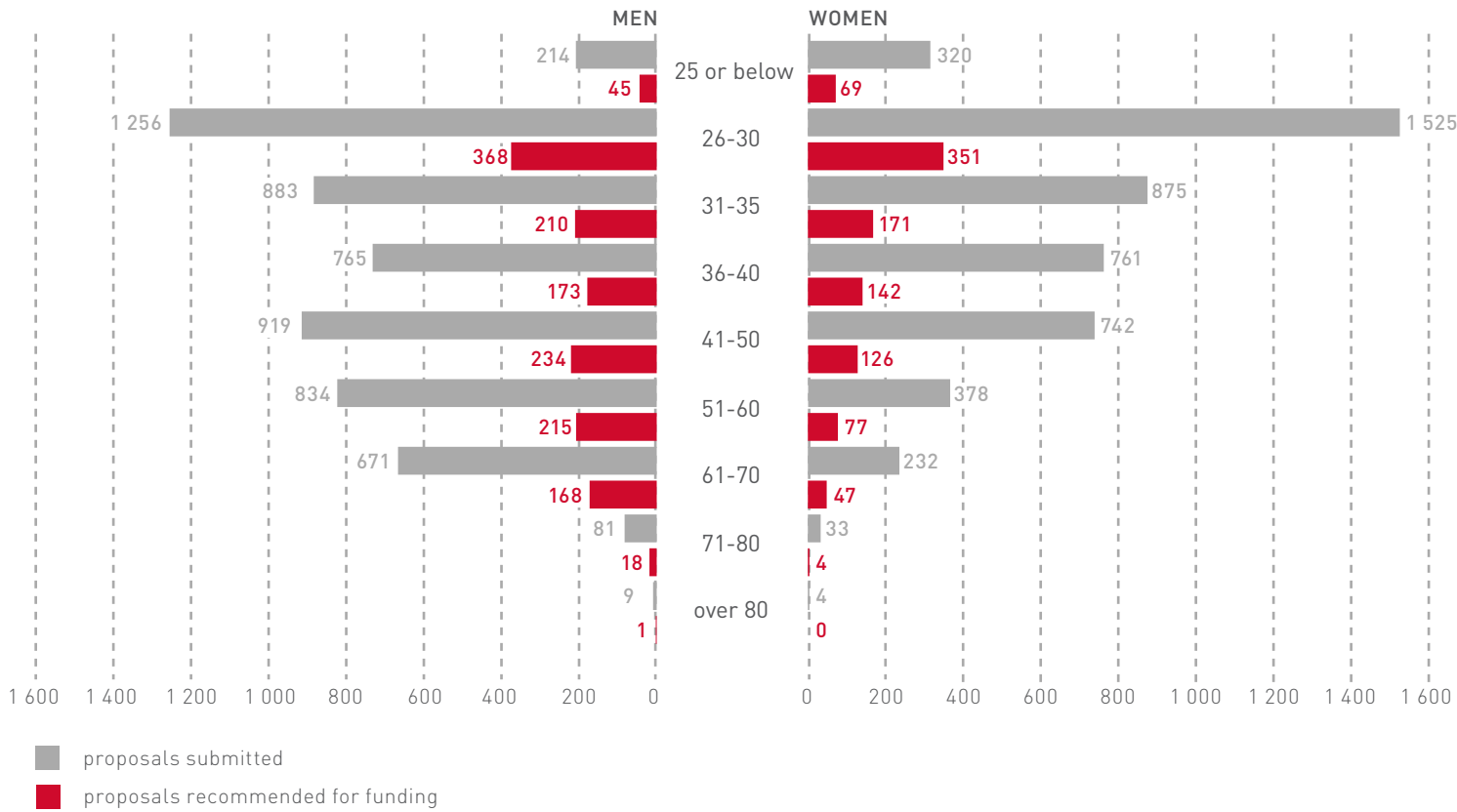


With regard to Principal Investigators over 50 years of age, men dominate the statistics of both submitted and awarded proposals. This pattern has also been observed in the case of men and women as Principal Investigators in proposals submitted and awarded in the NCN calls of 2012 (see table 9, chart 38).

Table 9.  
Women and men as Principal Investigators in proposals submitted and awarded under NCN calls concluded in 2013

PRINCIPAL INVESTIGATOR'S AGE (AGE CATEGORIES)	PROPOSALS SUBMITTED		RESEARCH PROJECTS RECOMMENDED FOR FUNDING	
	WOMEN (PERCENTAGE)	MEN (PERCENTAGE)	WOMEN (PERCENTAGE)	MEN (PERCENTAGE)
below 25	320 (60%)	214 (40%)	69 (61%)	45 (39%)
26-30	1 525 (55%)	1 256 (45%)	351 (49%)	368 (51%)
31-35	875 (50%)	883 (50%)	171 (45%)	210 (55%)
36-40	761 (50%)	765 (50%)	142 (45%)	173 (55%)
41-50	742 (45%)	919 (55%)	126 (35%)	234 (65%)
51-60	378 (31%)	834 (69%)	77 (26%)	215 (74%)
61-70	232 (26%)	671 (74%)	47 (22%)	168 (78%)
71-80	33 (29%)	81 (71%)	4 (18%)	18 (82%)
over 80	4 (31%)	9 (69%)	0 (0%)	1 (100%)
TOTAL	4 870	5 632	987	1 432

Chart 38.  
Proposals submitted versus proposals recommended for funding in NCN calls concluded in 2013 with regard to sex and age of the Principal Investigator





**Supporting individuals  
at the beginning of their  
path in research**

Supporting individuals  
at the beginning of their path in research

The National Science Centre runs several schemes addressed solely to individuals at the beginning of their independent path in research, i.e. researchers without a doctorate or those who have been granted a degree no more than 5 years before the date of submitting the proposal to the NCN.

In 2013, under the PRELUDIUM, SONATA, FUGA and ETIUDA funding schemes, 1182 research projects were recommended for funding worth 201 million PLN, which accounted for 20% of the total funding awarded to grantees in 2013 (see table 10).

Table 10.  
Proposals submitted and recommended for funding with the amounts of funding granted to individuals at the beginning of their path in research under calls concluded in 2013

CALL	PROPOSALS SUBMITTED	FUNDING REQUESTED (PLN)	PROPOSALS AWARDED FUNDING	AMOUNT OF FUNDING (PLN)
PRELUDIUM 4 PRELUDIUM 5	3 189	317 264 114	743	76 252 812
SONATA 4 SONATA 5	1 287	419 557 952	290	95 667 483
FUGA 2	177	76 027 474	49	21 614 835
ETIUDA 1	370	29 502 325	100	8 200 988
TOTAL	5 023	842 351 865	1 182	201 736 118

Characteristics of  
proposals recommended  
for funding in NCN calls  
concluded in 2013

Duration of research projects, scholarships and post-doc internships

Research proposals, submitted to three research areas divided into 25 panels, are diverse with respect to their topic, duration (chart 39), the number of investigators engaged and the funding requested.

As concerns the average time planned for the completion of a research project:

- the longest-running projects are carried out under the MAESTRO scheme (4.2 years on average), SONATA BIS scheme (4.3 years on average) and SYMFONIA scheme (4.3 years on average);
- the shortest projects are carried out under the PRELUDIUM funding scheme (ca. 2 years on average) or as post-doc internships carried out by awardees of the FUGA 2 call (2.6 on average) and as scholarships by the awardees of the ETIUDA 1 call (ca. 1 year on average).

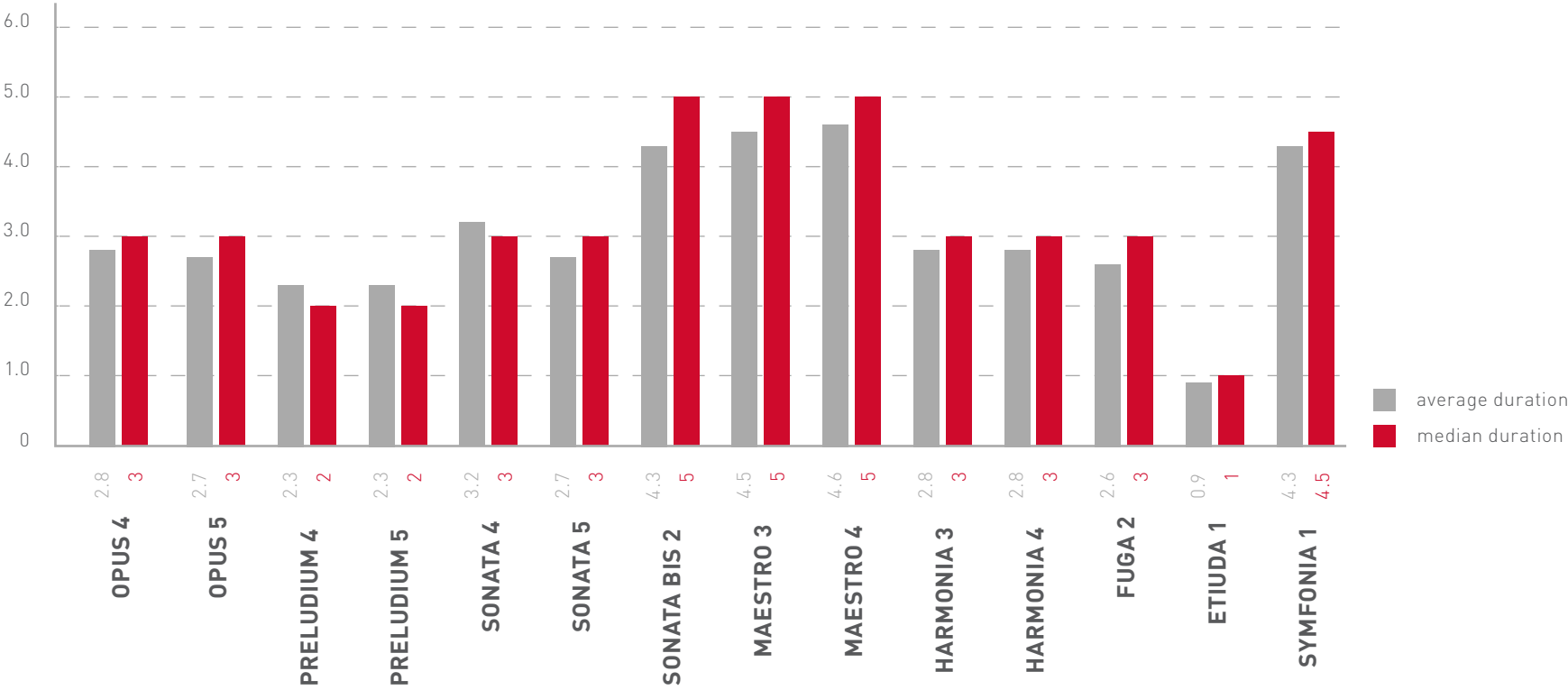
The terms of each call for proposal concluded by the NCN in 2013 had specified a maximum duration for the research projects, scholarships and post-doc internships. The timeline for projects recommended for funding in the two MAESTRO calls as well as SONATA 4, SONATA BIS 2 and SYMFONIA 1, must not exceed 60 months. Research projects awarded under other schemes may not exceed 36 months, while scholarships must be concluded within 12 months.

Each of the HARMONIA, OPUS and PRELUDIUM calls concluded in 2013, as well as the SONATA 5 and FUGA 2 calls require that the minimal duration of a project or internship be 12 months. In other calls (SONATA 4, SONATA BIS 2, MAESTRO 3 and 4, and SYMFONIA 1), the duration of a research project must be at least 36 months. It should be

noted that the SONATA 4, SONATA BIS 2, SYMFONIA 1 and MAESTRO 3 and 4 may consist of two stages, of which, the first may be 36 months long with the second stage 24 months long. In order for a project to continue into the second stage, it is a prerequisite that it receives a positive opinion on evaluation by the NCN Expert Team after 30 months of its duration.<sup>8</sup>

<sup>8</sup> Table 14 in the annex section shows the chief differences between terms specified for different calls with regard to eligible duration, amount of funding, purchase of research equipment and the eligible spending on indirect costs.

Chart 39. Average duration of a research project, scholarship and post-doc internship (respectively) in NCN calls concluded in 2013 (average values and medians in years)



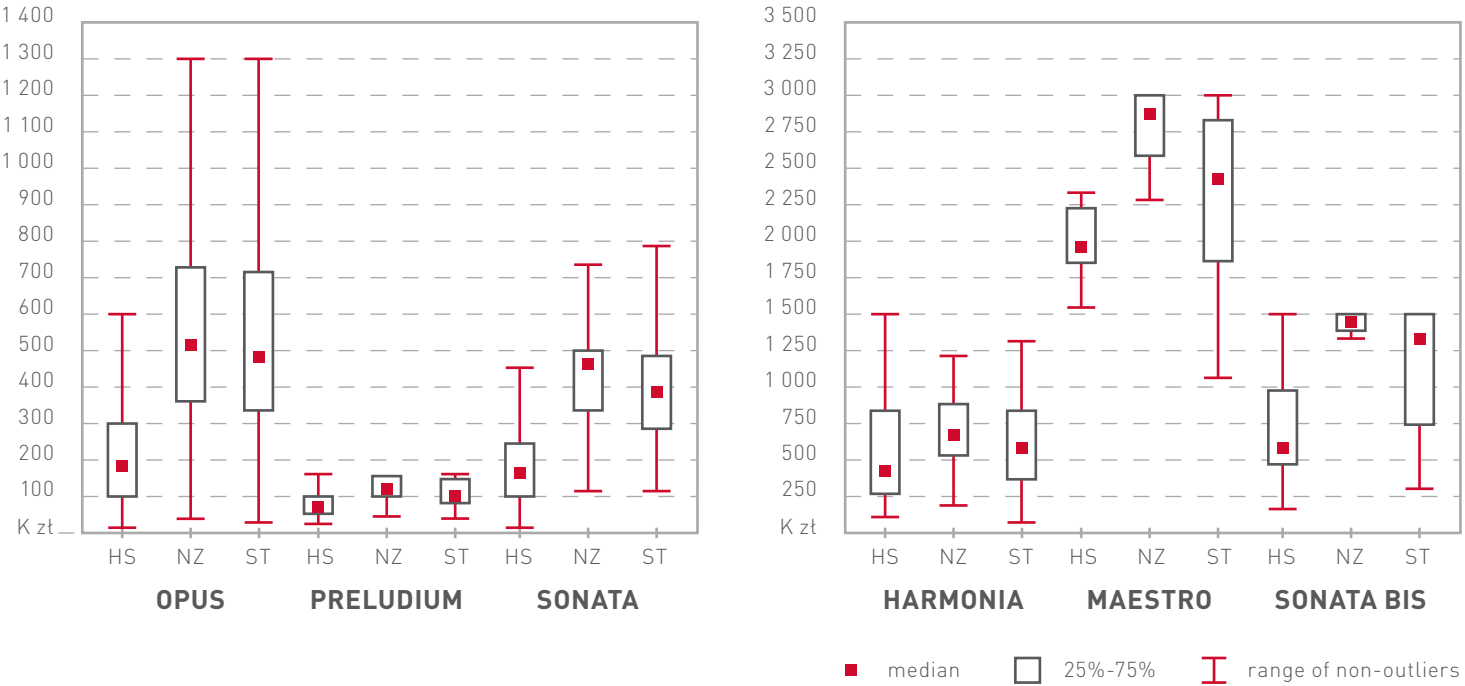
**Budgets of research projects, post-doc internships and scholarships funded by the NCN**

HARMONIA 3, HARMONIA 4, OPUS 4, OPUS 5 and SONATA 5 have no cap on funding, whereas the terms of other calls specify the upper limit of funding; MAESTRO 3 and 4, and SYMFONIA 1 are also subject to quotas of minimal funding per project. With the exception of SYMFONIA 1, the requested amount of funding cannot be modified.

Research project budgets in either of the two MAESTRO calls ranged from 500,000 PLN (HS) to 1 million PLN (NZ, ST). The budget of a single post-doc internship under the FUGA 2 call could reach 468,000 (HS) or 612,000 PLN (NZ, ST). Applicants in the ETIUDA 1 call could apply for the funding of a 12-month stipendiary scholarship of 3,000 PLN per month and 3-6 months allowance for a research visit to a research centre abroad, totalling 9,000 PLN per month and resources to cover the cost of travel (return) to the research centre abroad.<sup>9</sup> The ceiling of funding in the ETIUDA 1 call can reach ca. 130,000 PLN. A significant modification of the upper limit of funding has been introduced to the SONATA scheme, with SONATA 4's limit set at 500,000 PLN and no cup on funding in SONATA 5. At the same time, SONATA BIS was still operating with a cap on funding of 1.5 million PLN per project. Chart 40 shows distributions of funding awarded to recommended projects as a result of calls concluded in 2013. When interpreting particular distributions, the basic conditions and limitations described above should be taken into account.

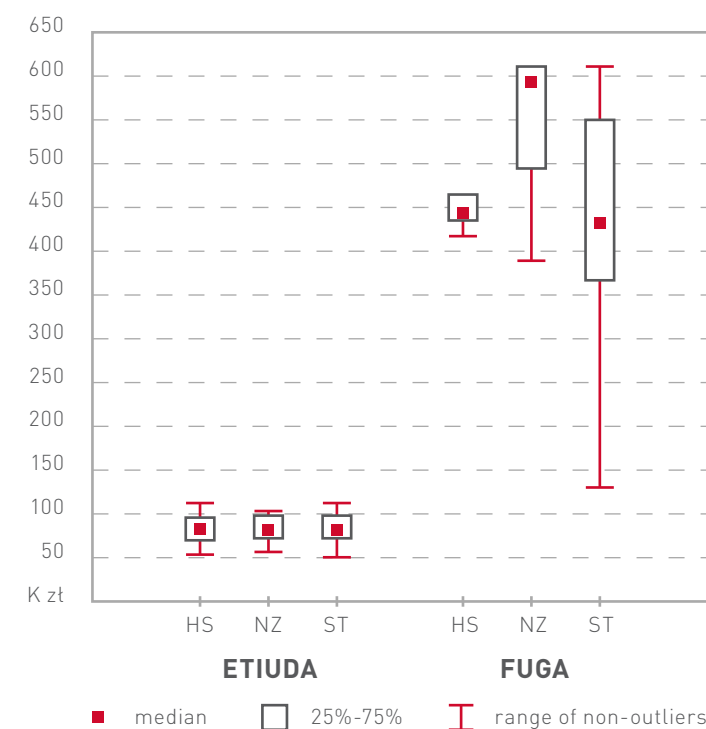
<sup>9</sup> Travel costs are operated with flat rates from 1,000 to 10,000 PLN, depending on the distance between the site of residence and the research centre abroad.

Chart 40.  
Distribution of funding in research projects, scholarships and post-doc internships recommended for funding in NCN calls for proposals concluded in 2013<sup>10</sup>



<sup>10</sup> To visualize the distribution of sums of funding awarded under different NCN calls concluded in 2013, box plot has been employed. In box plots the middle value is set by the median, which shows the exact location of the middle value in an ordered set, above and below which value is the same number of records. The top and bottom edges of the „boxes” are limited by the upper and lower quartile, respectively, and contain 50% of the given variable. The ends of the „whiskers” are determined by the highest and the lowest record that do not stand apart from the rest. Extreme and atypical values have been omitted. When interpret-

ing box plots, it is important to take into account the location and the size of the box: the higher the box on the vertical scale, the higher the average value of the variable (here: the amount of funding); the broader (higher) the box, the higher the diversity of values of the variable in the two middle quartiles; and the longer the whiskers, the greater the diversity in the extreme quartiles of the distribution. Detailed statistics of the funding awarded to proposals recommended under the calls concluded in 2013 can be consulted in table 15, in the annex.



With regard to the median value of the projects recommended for funding, it may be observed that:

- in both of the OPUS calls where no cap on funding was specified, the most expensive were projects from the NZ research area, followed by projects from the ST research area;
- similarly, projects given recommendation in both HARMONIA opportunities were most expensive in the NZ and ST funding areas;

The highest median value of the funding awarded to projects may be observed in the MAESTRO calls, which can be easily explained given the substantial sums apportioned to the scheme for distribution.

# International cooperation

International cooperation

In 2013, under the HARMONIA 3 and 4 calls, as many as 131 research proposals were recommended for funding, with the majority of projects planned in cooperation with researchers from Germany, the United Kingdom, France, the United States and Italy (see table 11).

Table 11.  
Proposals submitted and recommended for funding under the HARMONIA calls concluded in 2013, by countries whose researchers are most frequently invited to participate in projects as partners<sup>11</sup>

NO.	COUNTRY	HARMONIA	
		PROPOSALS SUBMITTED	PROPOSALS RECOMMENDED FOR FUNDING
1	Germany	112	31
2	The UK	68	22
3	France	71	21
4	The USA	79	21
5	Italy	50	13
6	Spain	36	9
	Switzerland	26	9
	Sweden	33	9
7	Austria	21	8
	The Czech Republic	33	8
	The Netherlands	23	8
8	Belgium	28	7

<sup>11</sup> In HARMONIA 3 and 4, applicants could cite in the proposal more than one foreign partner, depending on the form of international collaboration.

In 2013, six international research projects with contributions from Polish investigators received funding in international funding initiatives:

- four projects under the *Cultural Encounters* call announced by the NCN together with the HERA consortium (Humanities in the European Research Area),
- one project under the *Targeted R&D and design studies in view of realisation of future Astroparticle Physics research infrastructures* call by the ASPERA-2 network (AStroParticle ERAnet),
- one project under the *Increasing understanding of cultural values, valuation, interpretation, ethics and identity around all forms of cultural heritage (tangible, intangible and digital heritage)* call by the JPI CH (Joint Programming Initiative on Cultural Heritage).

Expert Reviewers

Expert Reviewers

In 2013, the evaluation of proposals submitted in response to the NCN calls was carried out by:

- 964 Expert Reviewers – members of the NCN Expert Teams,
- 7,271 external Expert Reviewers, including 2,937 foreigners, which amounted to 40% of the total number of external Expert Reviewers. External Reviewers completed 11,447 referee reports, of which 31% were performed by foreign reviewers.

In the NZ research area, at the second stage of project evaluation, it was foreign reviewers that submitted the largest portion of reviews (58%); they were also substantially represented in the ST research area (26%) whereas in the HS research area their contribution to the evaluation process amounted to only 6% of all reviews submitted. Similar proportions in all three research areas can be observed at the second stage of review by reviewers from abroad (cf. table 12).<sup>12</sup>

Compared to the NCN calls concluded in 2012, the number and percentage of reviews submitted by foreign experts have increased. Back in 2012 there were 1,348 foreign reviewers involved in the evaluation process, which accounted for nearly 20% of all external Expert Reviewers.

Table 12.  
External Expert Reviewers involved in the evaluation process, including foreigners, and the number of reviews submitted by foreigners

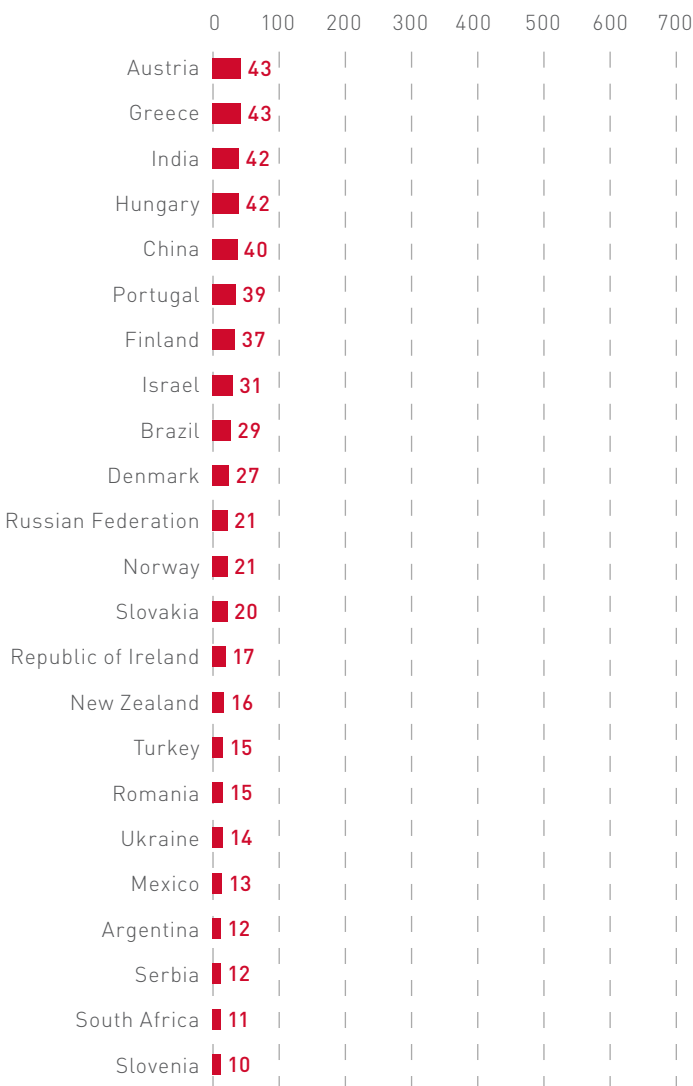
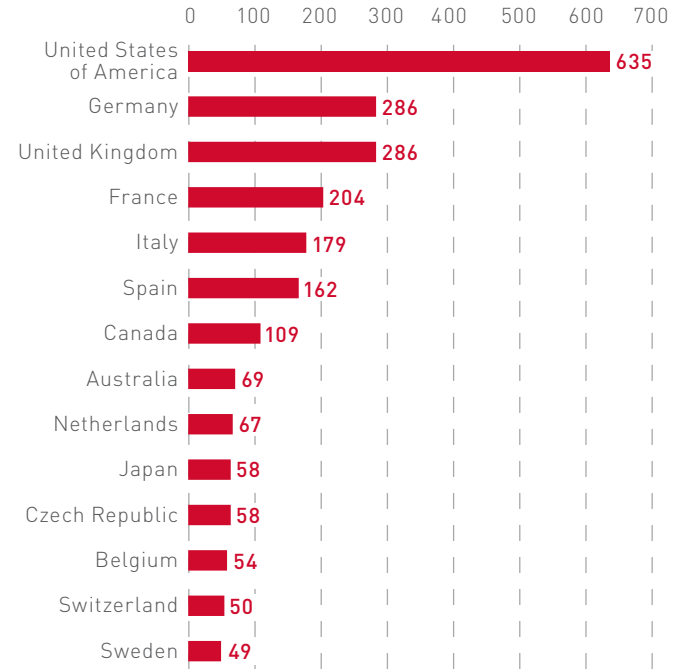
RESEARCH AREAS/ PANELS	REVIEWS SUBMITTED BY EXTERNAL EXPERT REVIEWERS	REVIEWS SUBMITTED BY FOREIGN EXPERT REVIEWERS	% OF REVIEWS AT THE 2ND STAGE SUBMITTED BY FOREIGN EXPERT REVIEWERS	EXTERNAL EXPERT REVIEWERS <sup>13</sup>	FOREIGN EXPERT REVIEWERS	% OF FOREIGN EXPERT REVIEWERS
HS	3 186	189	6%	1 755	136	8%
NZ	3 440	2 004	58%	2 676	1 761	66%
ST	4 770	1 262	26%	2 893	1 012	35%
SYMFONIA 1	51	50	98%	51	50	98%
TOTAL	11 447	3 505	31%	7 271	2 937	40%

<sup>12</sup> Table 16 in the annex presents the percentage of foreign reviewers and their reviews in the total number of reviews submitted by external Expert Reviewers, with breakdown into research areas and panels.

<sup>13</sup> The numbers of External Reviewers, including foreigners, reviewing proposals in particular research areas are higher than the total number of external Expert Reviewers as the latter does not account for repeated experts' operations. Some experts reviewed proposals submitted under different research areas.

Of all foreign expert reviewers, the largest contribution to the evaluation process was made by experts from the following countries: the United States, Germany, the United Kingdom, France, Italy and Spain. Chart 41 shows foreign expert reviewers by country of origin (countries represented by at least 10 reviewers).

Chart 41.  
Countries of origin of foreign expert reviewers active in the evaluation of proposals submitted under the calls concluded in 2013 (only countries with at least 10 active members have been included)



# Annex



Annex

Table 13.  
Research units awarded funding for the largest numbers of research projects, internships and scholarships, with breakdown into the NCN calls concluded in 2013, and the amounts of funding

UNIT	RESEARCH PROPOSALS RECOMMENDED	AMOUNTS OF FUNDING (PLN)
OPUS 4 & 5	996	457 764 935
University of Warsaw	98	37 684 021
Jagiellonian University*	94	43 168 244
Adam Mickiewicz University, Poznań	50	17 566 935
University of Wrocław	41	16 147 697
Warsaw University of Technology	30	15 723 779
PRELUDIUM 4 & 5	743	76 252 812
Jagiellonian University*	96	8 560 877
University of Warsaw	76	6 967 893
Adam Mickiewicz University, Poznań	40	4 154 783
AGH University of Science and Technology, Kraków	24	3 009 992
University of Wrocław	21	2 111 394
SONATA 4 & 5	290	95 667 483
University of Warsaw	45	14 154 919
Jagiellonian University*	21	7 601 805
Warsaw University of Technology	11	4 896 912
Adam Mickiewicz University, Poznań	11	3 578 844
University of Wrocław	11	2 573 441

\* Including Jagiellonian University Medical College

UNIT	RESEARCH PROPOSALS RECOMMENDED	AMOUNTS OF FUNDING (PLN)
SONATA BIS 2	50	54 987 442
University of Warsaw	13	12 777 083
Jagiellonian University*	5	4 869 930
Adam Mickiewicz University, Poznań	4	3 910 458
Institute of Pharmacology, Polish Academy of Sciences	3	4 045 574
Maria Curie-Skłodowska University	3	3 308 730
MAESTRO 3 & 4	68	161 264 193
Jagiellonian University*	11	26 501 938
University of Warsaw	8	20 296 006
Institute of Pharmacology, Polish Academy of Sciences	4	11 447 290
Adam Mickiewicz University, Poznań	4	9 523 500
HARMONIA 3 & 4	131	96 263 552
University of Warsaw	14	9 186 941
Jagiellonian University*	12	7 371 015
Henryk Niewodniczański Institute of Nuclear Physics, Polish Academy of Sciences	6	14 154 736
Nencki Institute of Experimental Biology, Polish Academy of Sciences	6	4 049 400
Adam Mickiewicz University, Poznań	5	3 295 040
University of Gdańsk	5	3 253 195
University of Wrocław	5	2 241 560
FUGA 2	49	21 614 835
University of Warsaw	13	5 802 370
Jagiellonian University*	7	3 125 400
University of Wrocław	4	2 110 272

\* Including Jagiellonian University Medical College

UNIT	RESEARCH PROPOSALS RECOMMENDED	AMOUNTS OF FUNDING (PLN)
<b>ETIUDA 1</b>	<b>100</b>	<b>8 200 988</b>
Jagiellonian University*	15	1 297 953
University of Warsaw	13	1 147 721
Adam Mickiewicz University, Poznań	13	1 014 683
Nicolaus Copernicus University	5	380 679
University of Gdańsk	5	380 394
Poznań University of Medical Sciences	5	378 450
Henryk Niewodniczański Institute of Nuclear Physics, Polish Academy of Sciences	5	369 162

\* Including Jagiellonian University Medical College

Table 14.  
Basic information on the terms of the NCN calls concluded in 2013

CALL	AMOUNT OF FUNDING	DURATION	NO. OF INVESTIGATORS	PURCHASE OF RESEARCH EQUIPMENT	INDIRECT COSTS
OPUS 4	without limit	12 to 36 months	without limit	cost of a single item of research equipment cannot exceed 500 000 PLN in the ST and NZ research areas, and 150 000 PLN in the HS research area	up to 30% of direct costs, not including the purchase of research equipment
OPUS 5	without limit	12 to 36 months	without limit	cost of a single item of research equipment cannot exceed 500 000 PLN in the ST and NZ research areas, and 150 000 PLN in the HS research area	up to 30% of direct costs, not including the purchase of research equipment
PRELUDIUM 4	max. 50 000 PLN for projects with the duration of 12 months, max. 100 000 PLN for projects with the duration of 24 months, max. 150 000 PLN for projects with the duration of 36 months	12 to 36 months	up to 3 individuals, including one researcher with habilitation or title of professor to serve as research supervisor	eligible, unless its cost exceeds 30% of the requested funding	up to 30% of direct costs, not including the purchase of research equipment

CALL	AMOUNT OF FUNDING	DURATION	NO. OF INVESTIGATORS	PURCHASE OF RESEARCH EQUIPMENT	INDIRECT COSTS
PRELUDIUM 5	max. 50 000 PLN for projects with the duration of 12 months, max. 100 000 PLN for projects with the duration of 24 months, max. 150 000 PLN for projects with the duration of 36 months	12 to 36 months	up to 3 individuals, including one researcher with habilitation or title of professor to serve as research supervisor	eligible, unless its cost exceeds 30% of the requested funding	up to 30% of direct costs, not including the purchase of research equipment
SONATA 4	max. 500 000 PLN	36 to 60 months	among investigators there may be more than one researcher with habilitation or title of professor (only as a co-investigator external to the institution that employs the principal investigator)	cost of a single item of research equipment cannot exceed 500 000 PLN in the ST and NZ research areas, and 150 000 PLN in the HS research area	up to 30% of direct costs, not including the purchase of research equipment
SONATA 5	without limit	36 to 60 months	among investigators there may be more than one researcher with habilitation or title of professor (only as a co-investigator external to the institution that employs the principal investigator)	total value of purchase cannot exceed 500 000 PLN in the ST and NZ research areas, and 150 000 PLN in the HS research area	up to 30% of direct costs, not including the purchase of research equipment
SONATA BIS 2	max. 1.5 M PLN	36 to 60 months	except for the principal investigator, among investigators there can be no researchers with habilitation or title of professor	cost of a single item of research equipment cannot exceed 500 000 PLN in the ST and NZ research areas, and 150 000 PLN in the HS research area	up to 30% of direct costs, not including the purchase of research equipment
MAESTRO 3	HS research area: 500 000-3 M PLN; NZ & ST research areas: 1-3 M PLN	36 to 60 months	without limit	cost of a single item of research equipment cannot exceed 500 000 PLN in the ST and NZ research areas, and 150 000 PLN in the HS research area	up to 30% of direct costs, not including the purchase of research equipment
MAESTRO 4	HS research area: 500 000-3 M PLN; NZ & ST research areas: 1-3 MPLN	36 to 60 months	projects must create full-time employment for at least one holder of PhD (or equivalent) and at least one doctoral candidate	cost of a single item of research equipment cannot exceed 500 000 PLN in the ST and NZ research areas, and 150 000 PLN in the HS research area	up to 30% of direct costs, not including the purchase of research equipment

CALL	AMOUNT OF FUNDING	DURATION	NO. OF INVESTIGATORS	PURCHASE OF RESEARCH EQUIPMENT	INDIRECT COSTS
HARMONIA 3	without limit	12 to 36 months	resources awarded for the project cannot be used to finance research tasks carried out by a foreign research institution	ineligible	up to 30% of direct costs
HARMONIA 4	without limit	12 to 36 months	resources awarded for the project cannot be used to finance research tasks carried out by a foreign research institution or salaries for such tasks	ineligible	up to 30% of direct costs
FUGA 2	HS – max. 468 000 PLN, NZ & ST – max. 612 000 PLN	12 to 36 months	applicant – the intern who is obliged to name their research supervisor at the research centre where they intend to be intern	the unit acting as host to the intern can receive funding for research conducted by the intern (including covering the costs of conferences, books, reagents, materials, small computer and office equipment, outsourced tasks etc.) totaling up to 24 000 PLN in the HS panels, and up to 72 000 in the ST & NZ panels, for every 12 months of the internship	N/A
ETIUDA 1	max. 127 000 PLN	12 months	applicant – recipient of scholarship	ineligible	N/A
SYMFONIA 1	2-7 M PLN	36 to 60 months	the total number of heads of teams and partners in a cross-domain research project cannot exceed four, with no limitation on the number of investigators working in the teams; projects must create full-time employment for at least two individuals with PhD (or equivalent) and at least four doctoral candidates	cost of a single item of research equipment cannot exceed 500 000 PLN in the ST and NZ research areas, and 150 000 PLN in the HS research area	up to 20% of direct costs, not including the purchase of research equipment

Table 15.  
Amounts of funding awarded to proposals recommended under calls concluded in 2013, with breakdown into calls

CALL	RESEARCH AREA	FUNDING AWARDED TO RECOMMENDED PROPOSALS (PLN)				
		SUM	AVERAGE	MEDIAN	MINIMUM	MAXIMUM
OPUS 4	HS	31 914 348	217 104	177 600	29 900	650 624
	NZ	75 967 789	579 907	569 280	131 950	1 475 140
	ST	103 770 136	532 155	490 750	70 000	1 429 900
OPUS 5	HS	44 279 058	229 425	186 000	31 200	1 041 003
	NZ	100 144 579	654 540	633 717	197 340	1 465 477
	ST	101 689 025	574 514	528 560	78 000	1 834 570
PRELUDIUM 4	HS	6 957 496	80 901	75 294	21 620	150 000
	NZ	14 532 753	118 152	129 000	45 500	150 000
	ST	14 937 761	102 313	99 475	37 800	150 000
PRELUDIUM 5	HS	8 883 544	82 255	77 415	29 400	150 000
	NZ	15 563 327	117 018	100 000	47 999	150 000
	ST	15 377 931	104 612	99 740	38 700	150 000
SONATA 4	HS	7 338 805	203 856	187 173	69 200	385 138
	NZ	13 289 719	415 304	462 700	180 200	499 851
	ST	21 467 917	390 326	440 374	88 600	499 992
SONATA 5	HS	10 332 449	158 961	145 840	34 200	419 840
	NZ	18 868 441	496 538	496 258	87 720	754 120
	ST	24 370 152	380 784	376 850	75 200	873 700
SONATA BIS 2	HS	10 148 090	724 864	598 718	162 190	1 499 960
	NZ	22 383 286	1 398 955	1 486 209	715 596	1 500 000
	ST	22 456 066	1 122 803	1 361 360	311 550	1 499 745
MAESTRO 3	HS	8 661 455	1 732 291	1 875 738	721 500	2 334 552
	NZ	30 401 080	2 763 735	2 861 200	2 290 030	3 000 000
	ST	56 624 958	2 177 883	2 183 780	1 071 480	3 000 000

CALL	RESEARCH AREA	FUNDING AWARDED TO RECOMMENDED PROPOSALS (PLN)				
		SUM	AVERAGE	MEDIAN	MINIMUM	MAXIMUM
MAESTRO 4	HS	13 075 668	2 179 278	2 058 300	1 854 020	3 000 000
	NZ	19 746 048	2 820 864	2 983 800	2 282 500	2 998 848
	ST	32 754 984	2 519 614	2 486 624	2 043 900	2 997 800
HARMONIA 3	HS	5 216 152	652 019	527 359	148 625	1 510 000
	NZ	12 280 698	646 353	633 490	190 060	1 045 200
	ST	20 666 408	574 067	453 865	152 880	1 947 525
HARMONIA 4	HS	10 345 642	646 603	383 271	99 190	3 451 360
	NZ	17 460 179	759 138	702 000	465 000	1 222 182
	ST	30 294 473	1 044 637	755 040	89 700	6 335 447
FUGA 2	HS	9 154 742	416 125	446 850	141 000	468 000
	NZ	5 463 600	546 360	596 500	388 000	612 000
	ST	6 996 493	411 558	431 300	129 000	611 843
ETIUDA 1	HS	2 765 414	81 336	80 016	52 630	112 576
	NZ	2 617 456	81 796	80 746	54 596	101 694
	ST	2 818 118	82 886	79 680	48 347	112 576
SYMFONIA 1		30 245 136	5 040 856	5 500 000	2 945 136	6 500 000
TOTAL		1 002 261 376	411 945	231 400	21 620	6 500 000

Table 16.  
Percentage of foreign reviewers and their reviews in the total number  
of reviews submitted by external Expert Reviewers, with breakdown  
into research areas and panels<sup>14</sup>

RESEARCH AREAS/ PANELS	REVIEWS SUBMITTED BY EXTERNAL EXPERT REVIEWERS	REVIEWS SUBMITTED BY FOREIGN EXPERT REVIEWERS	% OF REVIEWS AT THE 2ND STAGE SUBMITTED BY FOR- EIGN EXPERT REVIEWERS	EXTERNAL EXPERT REVIEWERS	FOREIGN EXPERT REVIEWERS	PERCENTAGE OF FOREIGN EXPERTS
HS1	281	26	9%	175	19	11%
HS2	617	45	7%	416	37	9%
HS3	489	31	6%	317	26	8%
HS4	767	25	3%	391	21	5%
HS5	526	30	6%	280	10	4%
HS6	506	32	6%	311	26	8%
HS	3 186	189	6%	1 755	136	8%
NZ1	418	308	74%	384	294	77%
NZ2	182	180	99%	179	177	99%
NZ3	368	320	87%	333	297	89%
NZ4	356	219	62%	299	192	64%
NZ5	359	149	42%	284	140	49%
NZ6	234	158	68%	200	137	69%
NZ7	549	183	33%	440	170	39%
NZ8	337	268	80%	296	244	82%
NZ9	637	219	34%	469	192	41%
NZ	3 440	2 004	58%	2 676	1 761	66%

<sup>14</sup> Differences between the share of reviews by foreign experts and the number of foreign experts results from the fact that one Expert Reviewer may have submitted more than one review.

RESEARCH AREAS/ PANELS	REVIEWS SUBMITTED BY EXTERNAL EXPERT REVIEWERS	REVIEWS SUBMITTED BY FOREIGN EXPERT REVIEWERS	% OF REVIEWS AT THE 2ND STAGE SUBMITTED BY FOR- EIGN EXPERT REVIEWERS	EXTERNAL EXPERT REVIEWERS	FOREIGN EXPERT REVIEWERS	PERCENTAGE OF FOREIGN EXPERTS
ST1	295	86	29%	223	84	38%
ST2	235	112	48%	183	103	56%
ST3	267	138	52%	207	108	52%
ST4	402	118	29%	312	102	33%
ST5	1 026	172	17%	606	150	25%
ST6	396	95	24%	275	82	30%
ST7	343	39	11%	245	34	14%
ST8	1 109	233	21%	662	144	22%
ST9	198	143	72%	152	116	76%
ST10	499	126	25%	351	118	34%
ST	4 770	1 262	26%	2 893	1 012	35%
SYMFONIA1	51	50	98%	51	50	98%
TOTAL	11 447	3 505	31%	7 271	2 937	40%

Table 17.  
Number of proposals submitted and recommended for funding alongside funding requested and funding awarded under the OPUS, PRELUDIUM and SONATA calls concluded in 2013, with breakdown into research areas and panels

PANEL	OPUS 4					OPUS 5				
	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE
HS	627	135 482	147	31 914	23%	763	192 247	193	44 279	25%
HS1	46	5 997	15	1 447	33%	67	11 118	16	2 271	24%
HS2	111	21 302	24	5 217	22%	125	35 423	30	8 609	24%
HS3	92	21 593	20	4 749	22%	95	27 880	27	6 723	28%
HS4	203	45 535	46	10 375	23%	239	56 042	58	12 931	24%
HS5	83	14 742	25	3 531	30%	130	30 536	42	7 027	32%
HS6	92	26 313	17	6 596	18%	107	31 249	20	6 718	19%
NZ	644	352 423	131	75 968	20%	700	436 879	153	100 145	22%
NZ1	65	35 065	13	9 238	20%	52	35 537	13	10 627	25%
NZ2	28	19 902	6	3 959	21%	35	27 257	8	6 413	23%
NZ3	53	32 480	14	8 663	26%	55	34 469	12	8 898	22%
NZ4	63	35 918	16	8 336	25%	73	48 230	14	9 847	19%
NZ5	77	44 879	14	7 865	18%	95	62 684	16	13 580	17%
NZ6	38	20 413	8	5 638	21%	53	38 717	9	7 033	17%
NZ7	140	74 844	21	13 594	15%	137	78 567	27	16 915	20%
NZ8	65	27 369	16	6 926	25%	67	31 277	19	8 583	28%
NZ9	115	61 554	23	11 747	20%	133	80 140	35	18 249	26%
ST	752	414 841	195	103 770	26%	714	423 716	177	101 689	25%
ST1	48	13 757	16	4 554	33%	51	13 400	15	4 163	29%

PANEL	OPUS 4					OPUS 5				
	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE
ST2	20	11 724	7	4 189	35%	31	16 334	10	3 968	32%
ST3	28	15 077	8	4 783	29%	36	25 102	8	6 773	22%
ST4	60	30 819	17	9 367	28%	69	35 960	17	10 318	25%
ST5	159	89 260	48	27 118	30%	140	87 890	29	19 404	21%
ST6	61	31 956	16	7 772	26%	54	29 131	15	7 543	28%
ST7	64	41 907	13	9 138	20%	58	40 850	16	10 134	28%
ST8	196	119 483	38	23 574	19%	158	106 591	40	26 454	25%
ST9	29	12 234	9	3 815	31%	24	11 120	7	3 345	29%
ST10	87	48 623	23	9 459	26%	93	57 338	20	9 586	22%
TOTAL	2 023	902 746	473	211 650	23%	2 177	1 052 842	523	246 113	24%

PANEL	PRELUDIUM 4					PRELUDIUM 5				
	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE
HS	427	32 623	86	6 957	20%	551	44 100	108	8 884	20%
HS1	26	1 518	6	320	23%	65	4 226	13	855	20%
HS2	102	7 346	21	1 620	21%	96	8 172	18	1 689	19%
HS3	85	7 552	19	1 725	22%	96	9 395	20	1 932	21%
HS4	92	6 848	15	1 357	16%	106	8 130	20	1 553	19%
HS5	48	3 422	11	773	23%	95	6 306	20	1 234	21%
HS6	74	5 937	14	1 164	19%	93	7 870	17	1 620	18%
NZ	545	62 239	123	14 533	23%	544	61 428	133	15 563	24%
NZ 1	40	4 487	11	1 062	28%	43	4 738	11	1 263	26%

PANEL	PRELUDIUM 4					PRELUDIUM 5				
	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE
NZ2	32	3 897	9	1 091	28%	38	4 380	11	1 215	29%
NZ3	48	5 545	12	1 402	25%	49	5 580	14	1 542	29%
NZ4	58	6 593	14	1 644	24%	53	5 827	13	1 430	25%
NZ5	67	8 091	11	1 373	16%	65	7 783	14	1 828	22%
NZ6	34	4 070	7	893	21%	31	3 432	7	823	23%
NZ7	92	9 931	19	2 300	21%	98	10 749	23	2 724	23%
NZ8	63	7 737	15	1 920	24%	61	7 640	15	1 925	25%
NZ9	111	11 889	25	2 848	23%	106	11 299	25	2 813	24%
ST	560	57 068	146	14 938	26%	562	59 806	147	15 378	26%
ST1	26	1 894	9	576	35%	29	1 838	9	584	31%
ST2	13	1 075	4	292	31%	19	1 741	8	651	42%
ST3	27	2 619	8	855	30%	31	2 843	9	839	29%
ST4	49	5 507	15	1 680	31%	45	5 133	13	1 383	29%
ST5	132	14 379	37	4 008	28%	118	13 319	27	3 180	23%
ST6	49	4 738	10	1 090	20%	47	4 717	14	1 374	30%
ST7	46	4 530	13	1 300	28%	41	4 791	14	1 581	34%
ST8	118	11 964	26	2 616	22%	126	13 750	33	3 526	26%
ST9	13	1 219	5	413	38%	11	1 131	5	371	45%
ST10	87	9 142	19	2 107	22%	95	10 543	15	1 889	16%
TOTAL	1 532	151 930	355	36 428	23%	1 657	165 334	388	39 825	23%



PANEL	SONATA 4					SONATA 5				
	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE
HS	193	37 125	36	7 339	19%	302	57 979	65	10 332	22%
HS1	3	629	1	218	33%	17	2 738	5	599	29%
HS2	39	7 343	7	1 118	18%	59	10 107	12	1 776	20%
HS3	24	4 283	4	1 104	17%	41	10 756	9	1 820	22%
HS4	78	14 237	15	2 922	19%	84	14 748	16	2 649	19%
HS5	22	4 132	4	756	18%	44	6 729	9	1 272	20%
HS6	27	6 502	5	1 221	19%	57	12 901	14	2 217	25%
NZ	138	57 386	32	13 290	23%	179	83 511	38	18 868	21%
NZ1	15	7 169	4	1 978	27%	15	8 418	4	1 923	27%
NZ2	7	2 998	3	1 438	43%	15	8 515	3	1 623	20%
NZ3	14	6 353	2	959	14%	18	9 164	4	2 181	22%
NZ4	21	9 093	5	2 359	24%	17	8 089	5	2 114	29%
NZ5	17	7 348	4	1 628	24%	23	9 907	5	2 616	22%
NZ6	6	2 622	0	0	0%	14	6 477	2	820	14%
NZ7	28	10 054	6	2 283	21%	36	15 172	7	3 504	19%
NZ8	12	4 443	3	933	25%	11	4 101	1	606	9%
NZ9	18	7 307	5	1 712	28%	30	13 668	7	3 483	23%
ST	230	86 588	55	21 468	24%	245	96 969	64	24 370	26%
ST1	13	2 822	4	640	31%	18	3 495	6	793	33%
ST2	6	2 206	2	824	33%	13	4 957	5	1 567	38%
ST3	7	3 376	2	999	29%	11	5 132	4	1 801	36%
ST4	17	6 967	5	2 288	29%	18	8 114	5	2 762	28%
ST5	42	15 993	12	4 989	29%	62	29 459	17	7 098	27%
ST6	34	10 813	10	2 764	29%	26	8 831	6	1 913	23%

PANEL	SONATA 4					SONATA 5				
	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE
ST7	17	7 379	4	1 732	24%	20	7 025	4	1 789	20%
ST8	65	26 811	12	5 260	18%	49	18 878	11	4 468	22%
ST9	5	1 768	1	500	20%	3	1 756	1	563	33%
ST10	24	8 454	3	1 472	13%	25	9 322	5	1 616	20%
TOTAL	561	181 099	123	42 096	22%	726	238 459	167	53 571	23%

Table 18.  
Number of proposals submitted and recommended for funding along-side funding requested and funding awarded under the SONATA BIS, MAESTRO, HARMONIA, ETIUDA, SYMFONIA and FUGA calls concluded in 2013, with breakdown into research areas<sup>15</sup>

RESEARCH AREA	SONATA BIS 2				
	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE
HS	128	57 963	14	10 148	11%
NZ	93	87 758	16	22 383	17%
ST	109	91 066	20	22 456	18%
TOTAL	330	236 787	50	54 987	15%

<sup>15</sup> Proposals submitted under the SONATA BIS, MAESTRO, HARMONIA, ETIUDA and FUGA schemes, for the purpose of evaluation were grouped by research area [HS, NZ, ST], without further breakdown into disciplines.

RESEARCH AREA	MAESTRO 3				
	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE
HS	31	47 341	5	8 661	16%
NZ	67	148 498	11	30 401	16%
ST	98	212 858	26	56 625	27%
TOTAL	196	408 698	42	95 687	21%

RESEARCH AREA	MAESTRO 4				
	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE
HS	45	92 408	6	13 076	13%
NZ	46	112 384	7	19 746	15%
ST	70	169 206	13	32 755	19%
TOTAL	161	373 997	26	65 577	16%

RESEARCH AREA	HARMONIA 3				
	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE
HS	58	22 067	8	5 216	14%
NZ	103	67 411	19	12 281	18%
ST	133	107 046	36	20 666	27%
TOTAL	294	196 524	63	38 163	21%

RESEARCH AREA	HARMONIA 4				
	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE
HS	76	36 062	16	10 346	21%
NZ	100	70 915	23	17 460	23%
ST	144	116 036	29	30 294	20%
TOTAL	320	223 013	68	58 100	21%

RESEARCH AREA	FUGA 2				
	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE
HS	110	44 060	22	9 155	20%
NZ	25	13 812	10	5 464	40%
ST	42	18 156	17	6 996	40%
TOTAL	177	76 027	49	21 615	28%

RESEARCH AREA	ETIUDA 1				
	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE
HS	132	10 378	34	2 765	26%
NZ	111	8 991	32	2 617	29%
ST	127	10 133	34	2 818	27%
TOTAL	370	29 502	100	8 201	27%

RESEARCH AREA	SYMFONIA 1				
	PROPOSALS SUBMITTED	FUNDING REQUESTED (thousands PLN)	PROPOSALS RECOMMENDED	FUNDING AWARDED (thousands PLN)	SUCCESS RATE
TOTAL	40	199 322	6	30 245	15%



Table 19.  
Research areas and NCN panels at the end of 2013

HS	ARTS, HUMANITIES AND SOCIAL SCIENCES
HS1	Fundamental questions of human existence and the nature of reality: philosophy, cognition, religious studies, theology
HS2	Cultures and cultural creativity: literary theory and comparative literature, history of literature, linguistics, library science, cultural studies, arts
HS3	The study of the human past: history, archaeology, ethnology, cultural anthropology
HS4	Individuals, institutions and markets: economics, finance, management, demography
HS5	Social norms and governance: law, political science, regional and social policy
HS6	Human nature and human society: psychology, education and sociology
NZ	LIFE SCIENCES
NZ1	Molecular and structural biology and biochemistry: molecular biology, biochemistry, biophysics, structural biology, biochemistry of signal transduction
NZ2	Genetics, genomics: genetics, molecular genetics, genomics, metabolomics, bioinformatics, computational biology, systems biology and genetic epidemiology
NZ3	Cellular and developmental biology: cell biology, developmental biology, ageing biology, neurobiology
NZ4	Biology of tissues, organs and organisms: morphology and functions of animal and human systems, organs and organisms, diagnostic and therapy methods, experimental medicine, experimental oncology, basics of neurology, pharmacology, pharmacotherapy
NZ5	Human and animal noninfectious diseases: mechanisms, diagnosis and treatment of diseases, poisonings and injuries
NZ6	Human and animal immunology and infection: immunity, immune disorders, immunotherapy, infectious and invasive diseases
NZ7	Public health: etiology, diagnosis and treatment of disease, public health, epidemiology, pharmacology, clinical medicine, regenerative medicine, medical ethics
NZ8	Evolutionary and environmental biology: evolution, ecology, population biology, biodiversity, biogeography
NZ9	Applied life sciences and biotechnology: agricultural, animal, fishery, forestry and food sciences; biotechnology, environmental biotechnology
ST	PHYSICAL SCIENCES AND ENGINEERING
ST1	Mathematics: all areas of mathematics, pure and applied, plus mathematical foundations of computer science, mathematical physics and statistics
ST2	Fundamental constituents of matter: particle, nuclear plasma, atomic, molecular, gas and optical physics
ST3	Condensed matter physics: structure, electronic properties, fluids, nanosciences
ST4	Analytical chemistry, chemical theory, physical chemistry
ST5	Materials and synthesis: materials synthesis, structure-properties relations, functional and advanced materials, molecular architecture, organic chemistry
ST6	Computer science and informatics: informatics and information systems, computer science, scientific computing, intelligent systems

ST7	Systems and telecommunications engineering: electronic, communication, optical systems engineering
ST8	Products and processes engineering: product design, process design and control, construction methods, civil engineering, energy systems, material engineering
ST9	Astronomy and space research: astro-physics/chemistry/biology; solar system, stellar, galactic and extragalactic astronomy, planetary systems, cosmology, space science, instrumentation
ST10	Earth system science: physical geography, geology, geophysics, atmospheric sciences, oceanography, climatology, ecology, global environmental change, biogeochemical cycles, natural resources management

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Illustrations

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