

FRANCE – ARGENTINA ECOS SOUTH ARGENTINA 20 YEARS ANNIVERSARY

Scientific impact of the program (2005-2015)

MESRI-MEIRIES / MEAE

2017



www.enseignementsup-recherche.gouv.fr



December 5th, 2017, Buenos Aires

General presentation of the programme

Creation : 1997

Total budget (France + Argentina) : around 540 000 / year

>> including budget from France : 269 000 € / year

>> including budget from Argentina : same € / year

Number of new projects per year : ~ 17

**From 2005-2015:
890 applications submitted
182 projects funded**



ECOS South Argentina committee

Information about applications to the ECOS South Argentina program

- List of mobilities (France to Argentina)

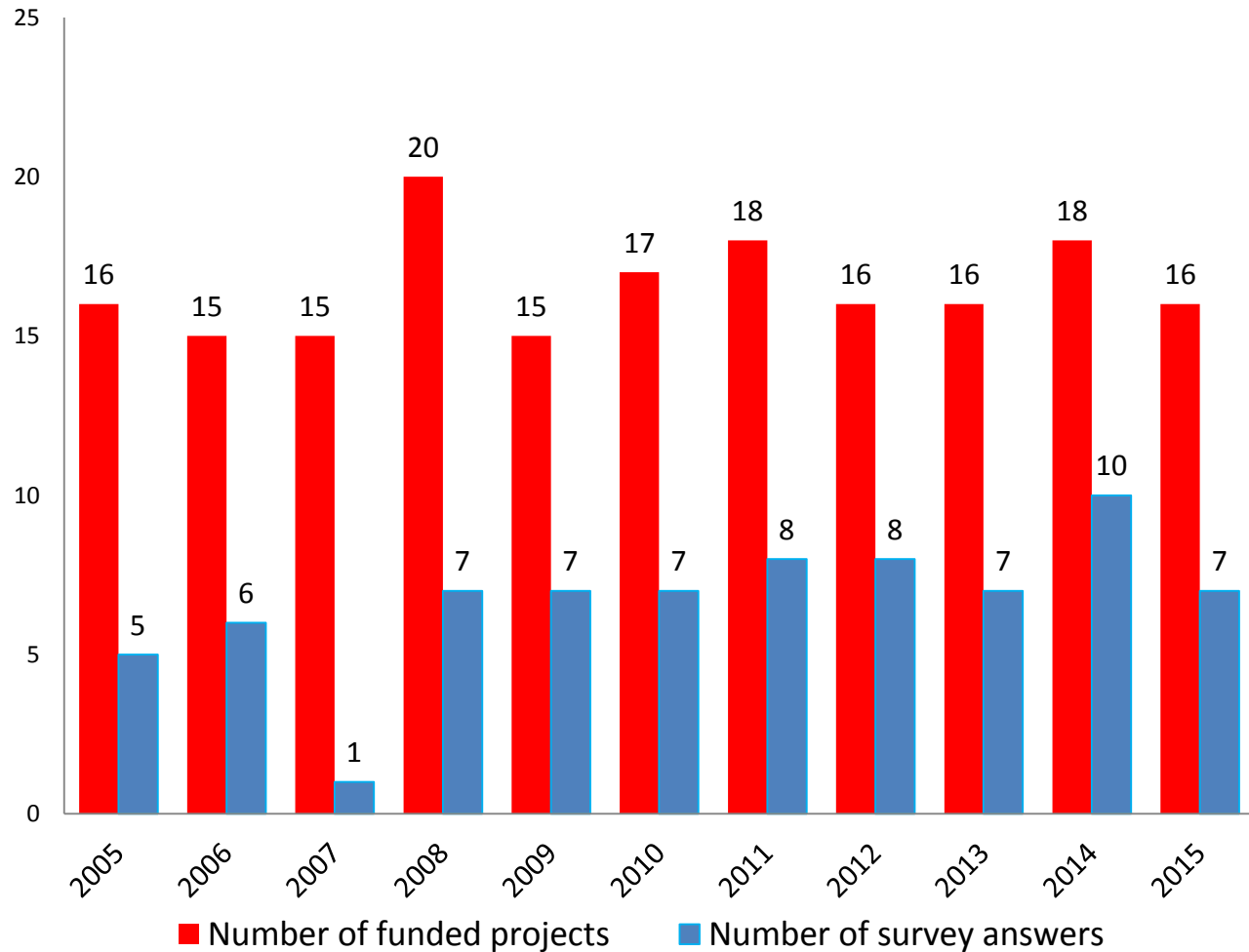
Survey *(conducted by the French Ministry of Higher Education, Research and Innovation)*

- Target : Principal Investigators of selected projects between 2005 and 2015
- Survey initiated in **September 2017** and ended in October 2017, focusing on the projects funded between 2005 and 2015
- **40%** response ratio *(73 respondents for 182 funded projects)*

Answers to the survey

73
answers
(40 %)

Average response rate to the survey : 40 % (73 answers)



Methodology (Survey)

After a common definition of an analysis framework with the Ministry for European and Foreign Affairs (MEAE), this survey was implemented jointly with the French embassy using the following structure:

- ✓ General information
- ✓ Scientific production
- ✓ Involvement of young researchers
- ✓ Mobility
- ✓ Perennity after the end of the project
- ✓ General opinion on the programme

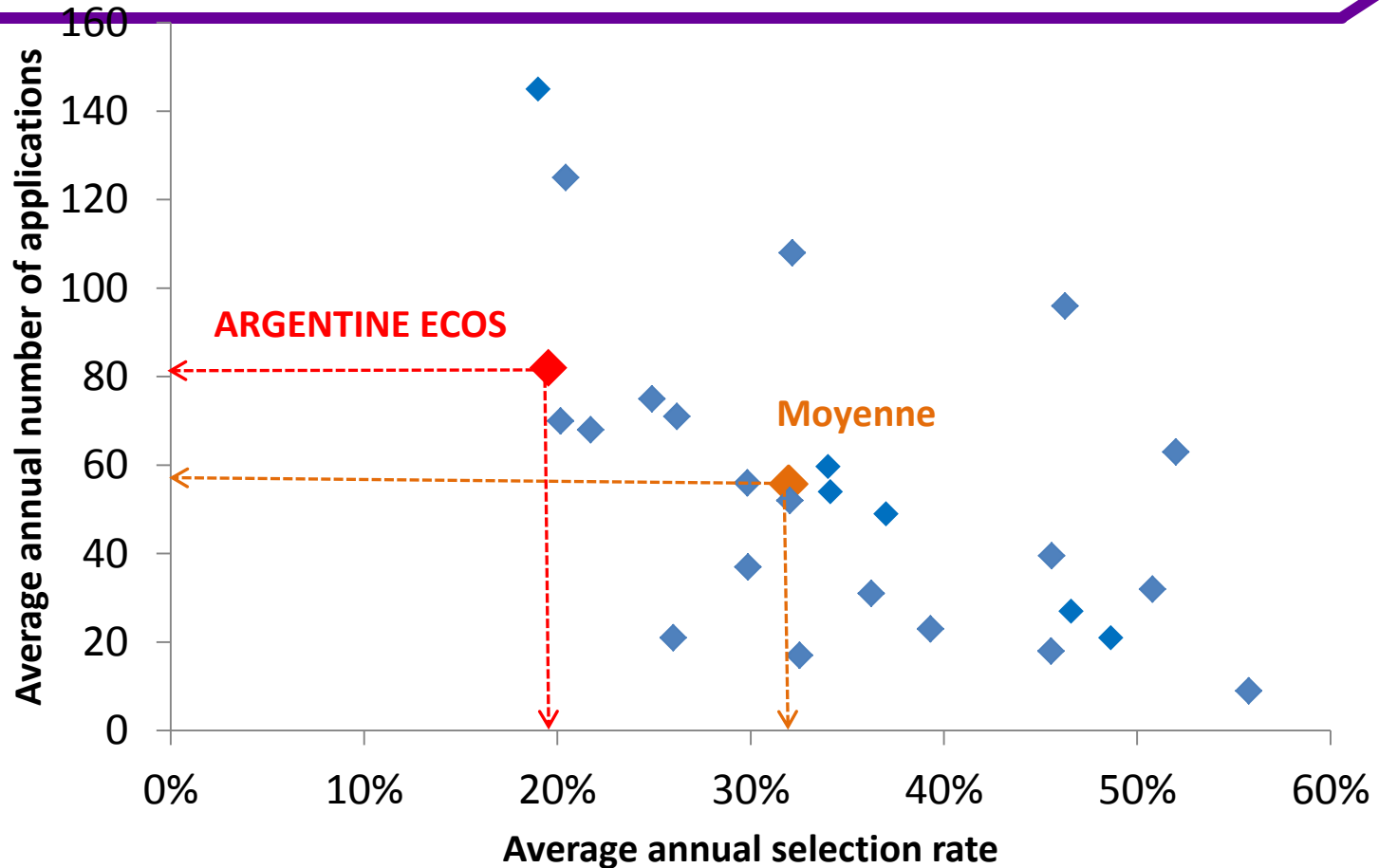
Respondents : French Principal Investigators in the projects.

Data was collected from September to October 2017.

2005-2015 Key Points



NUMBER OF APPLICATIONS VS SELECTION RATE (COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)

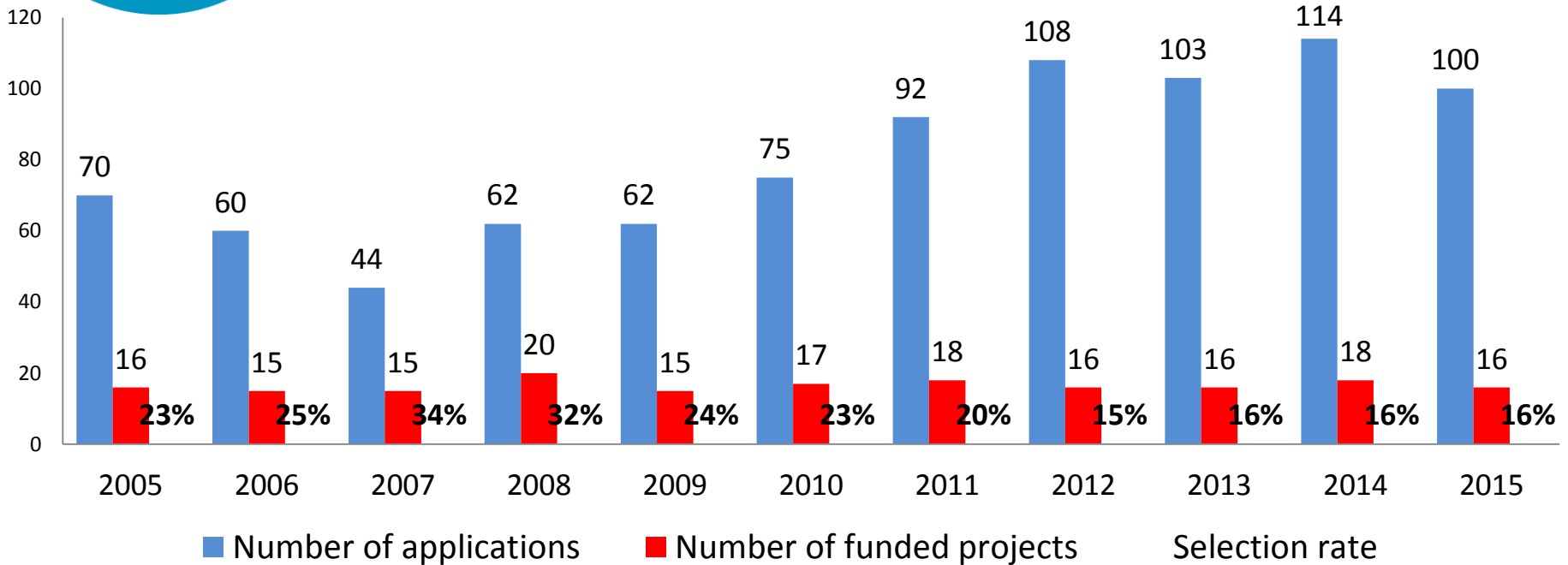


Average selection rate for 2005-2015 : 20% vs 32% mean
Average number of applications 2005-2015 : 82 vs 56 mean

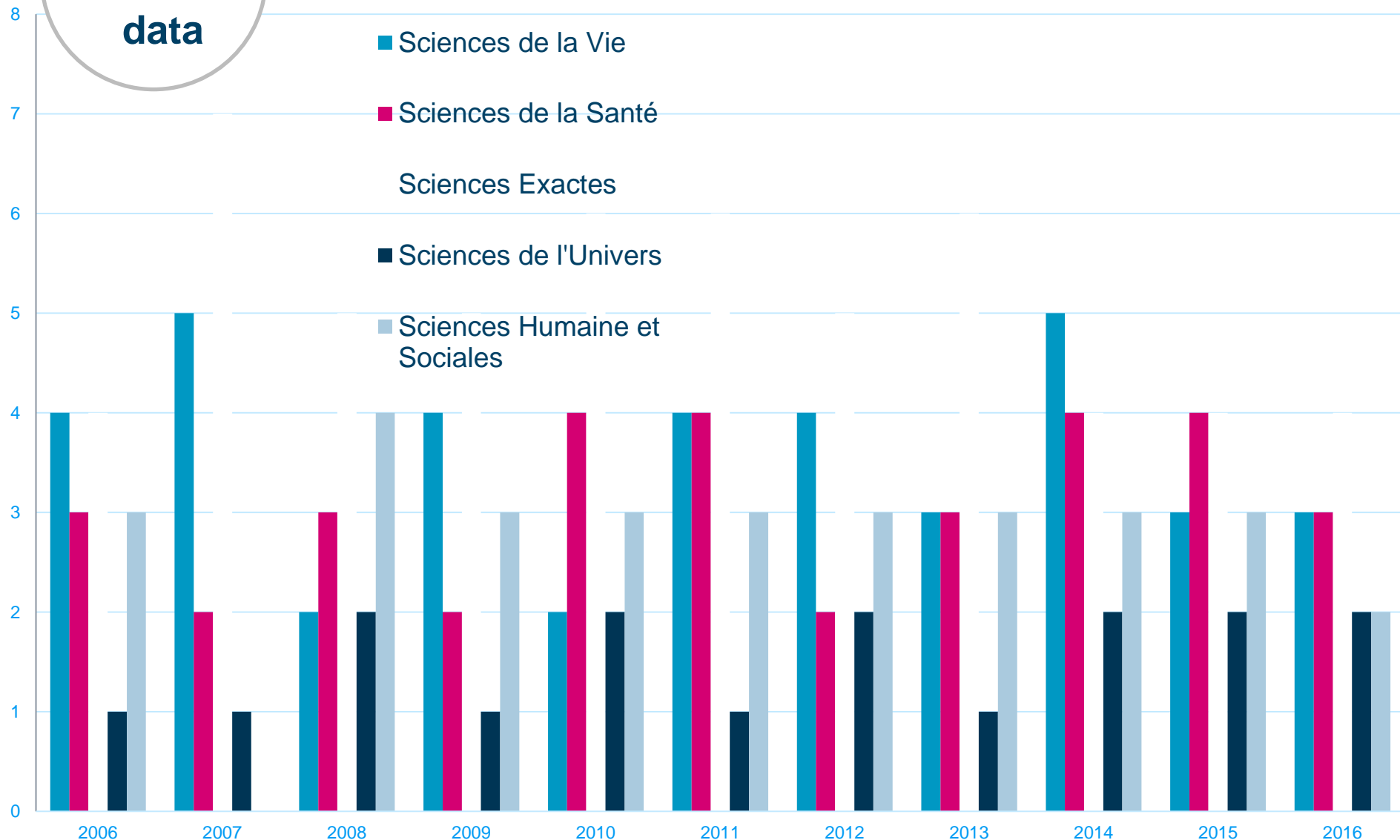
Success rate

**ECOS
Committee
data**

Average selection rate from 2005-2015: 20 %

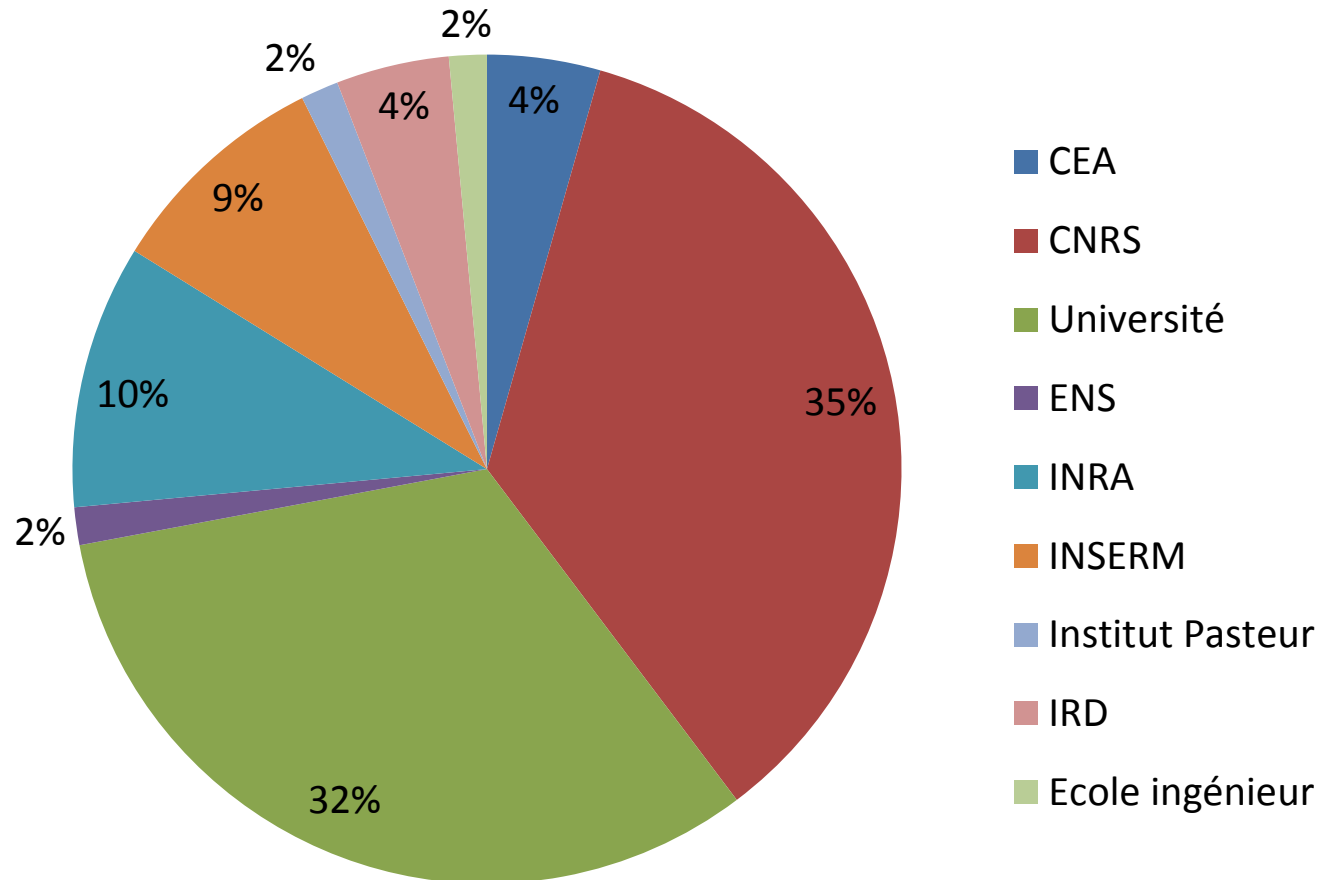


ECOS Committee data

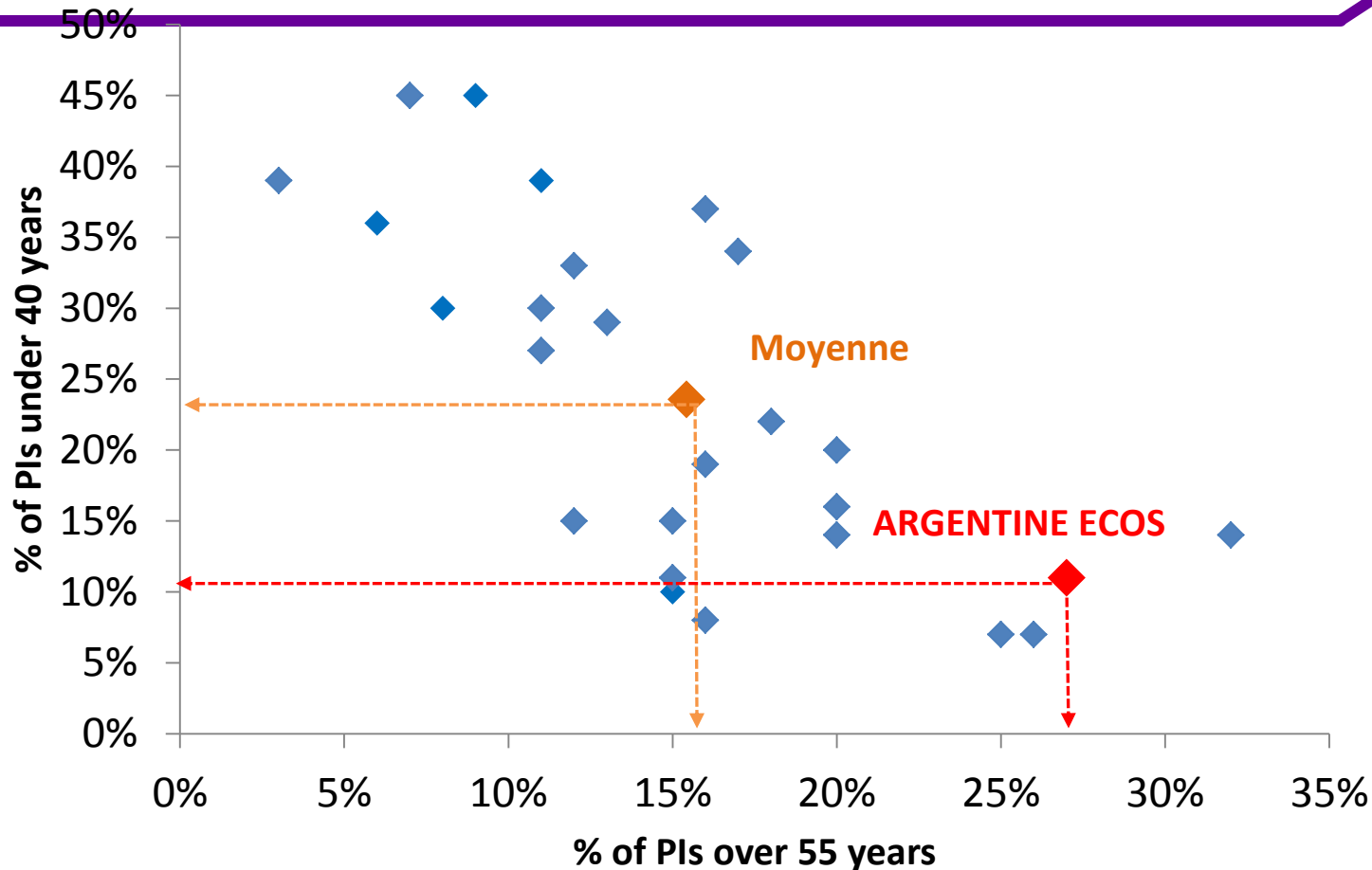


Main French participating institutions

Survey
data



AGE OF PRINCIPAL INVESTIGATORS (PI) (COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)

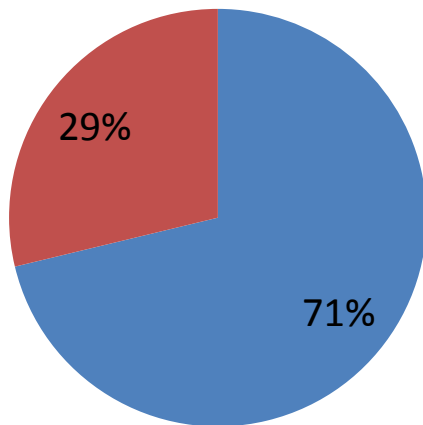


PIs under 40 years : 11% vs 24% mean
PIs over 55 years : 27% vs 15% mean
62% of the PIs are between 40 and 55 years

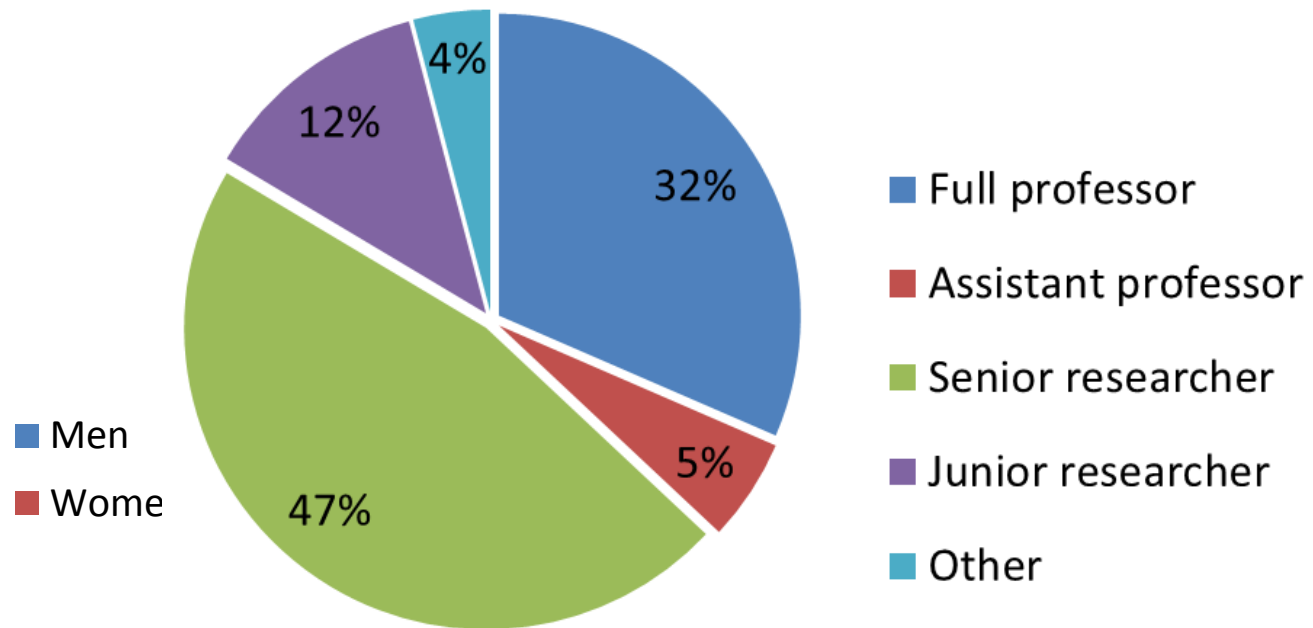
French PIs (principal investigators)

Survey data

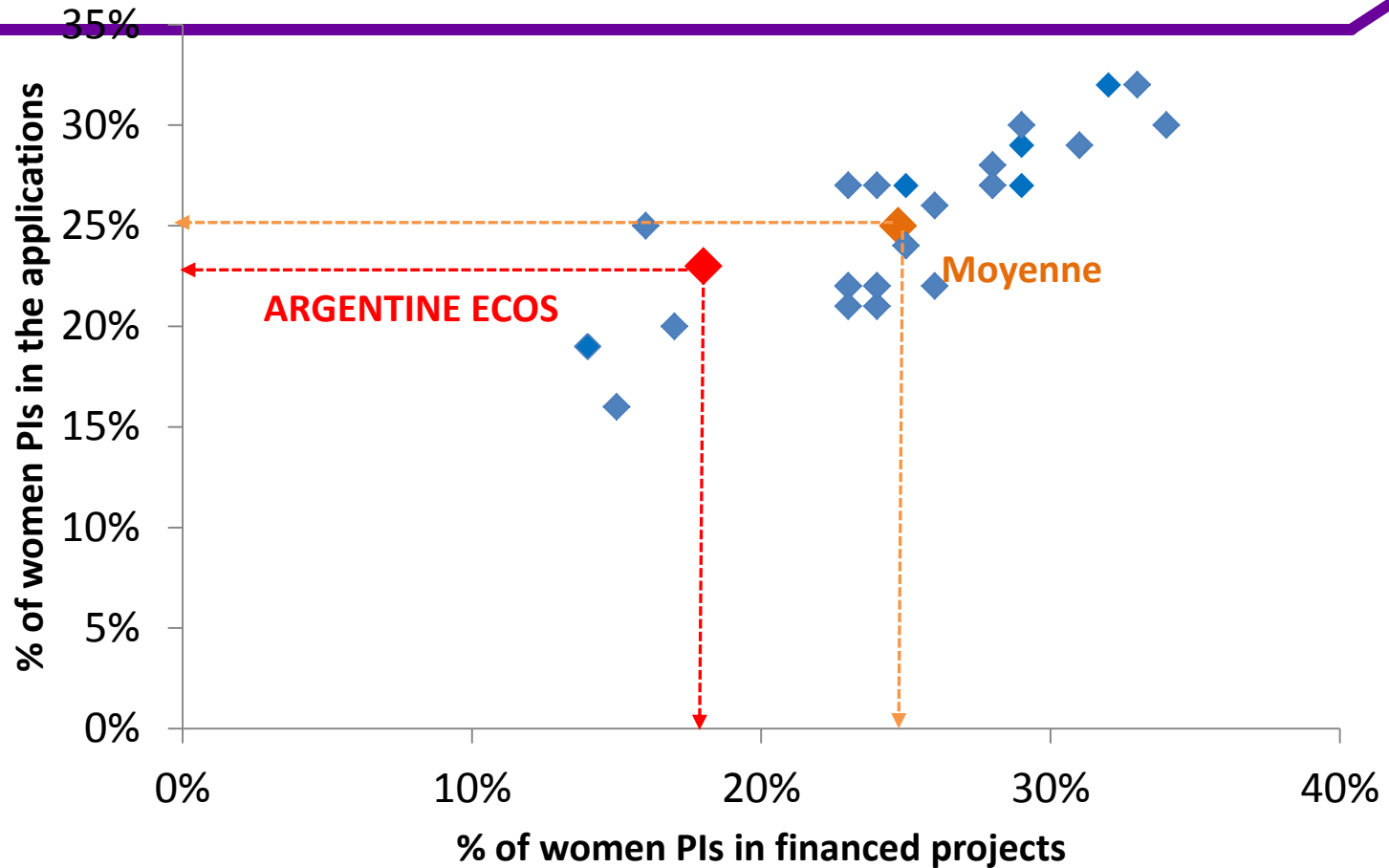
Gender



Professional status



IMPLICATION OF WOMEN (FRANCE) (COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)

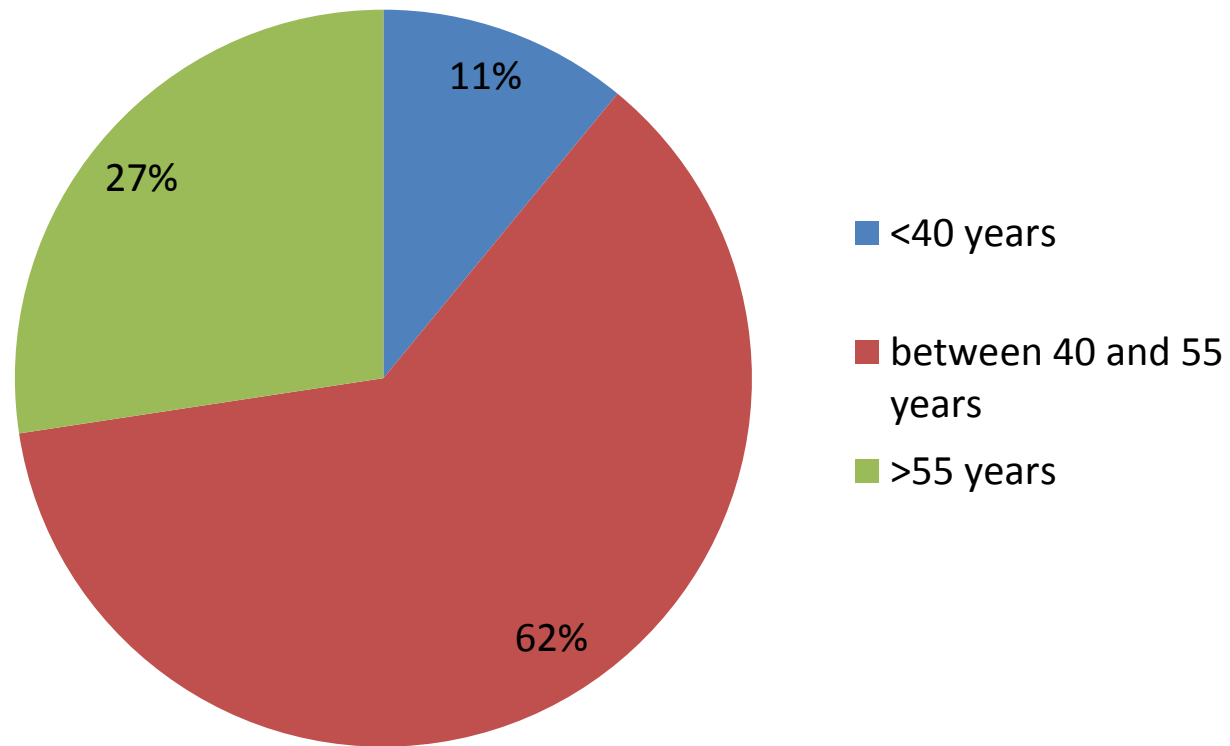


% of women PIs in the applications : 23% vs 25% mean
% of women PIs in the selected projects : 18% vs 25% mean

Participation of young researchers (1/3)

Survey
data

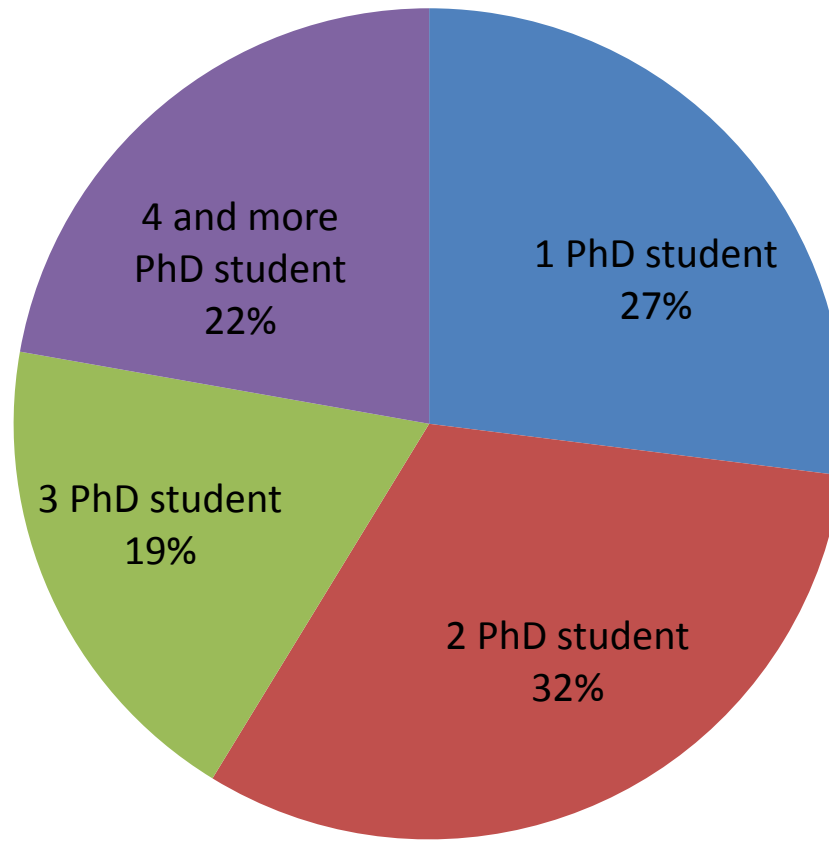
11 % of French PIs are young researchers



Participation of young researchers (2/3)

Survey
data

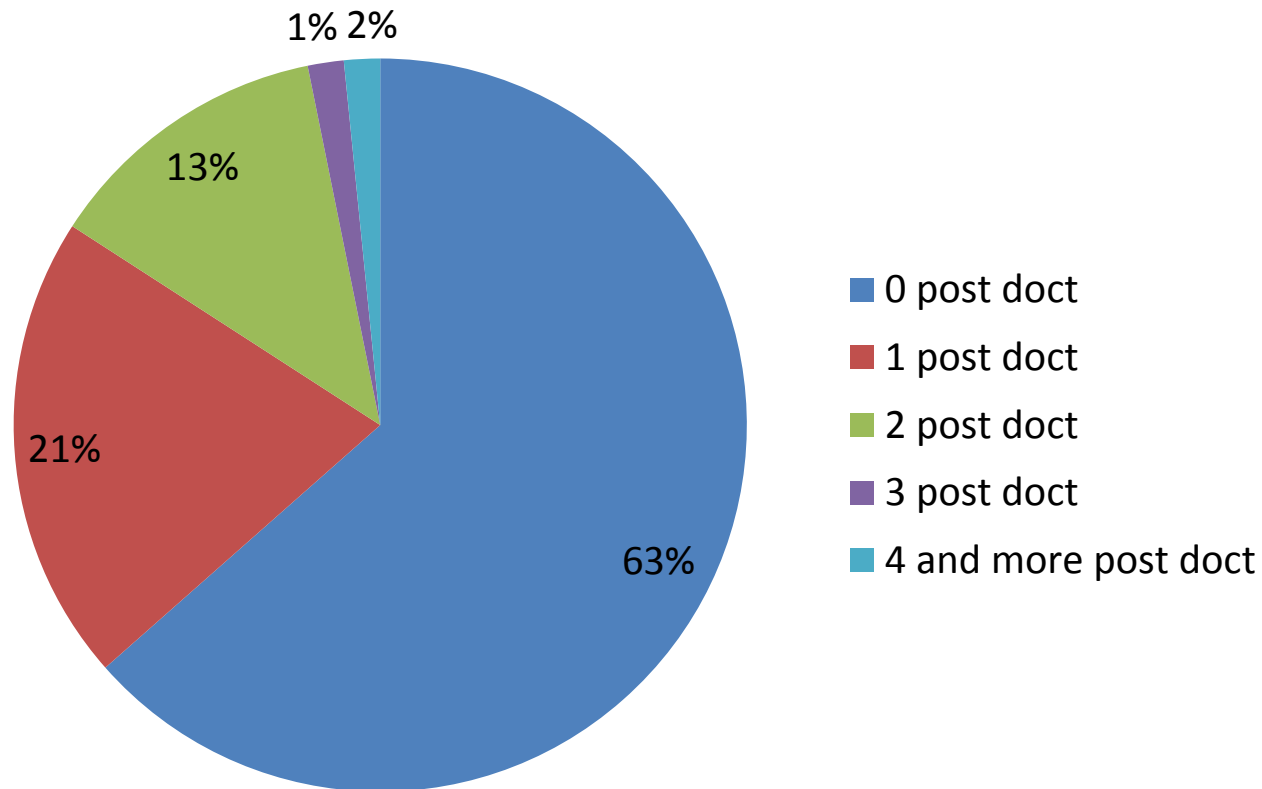
100 % of projects integrate PhD students



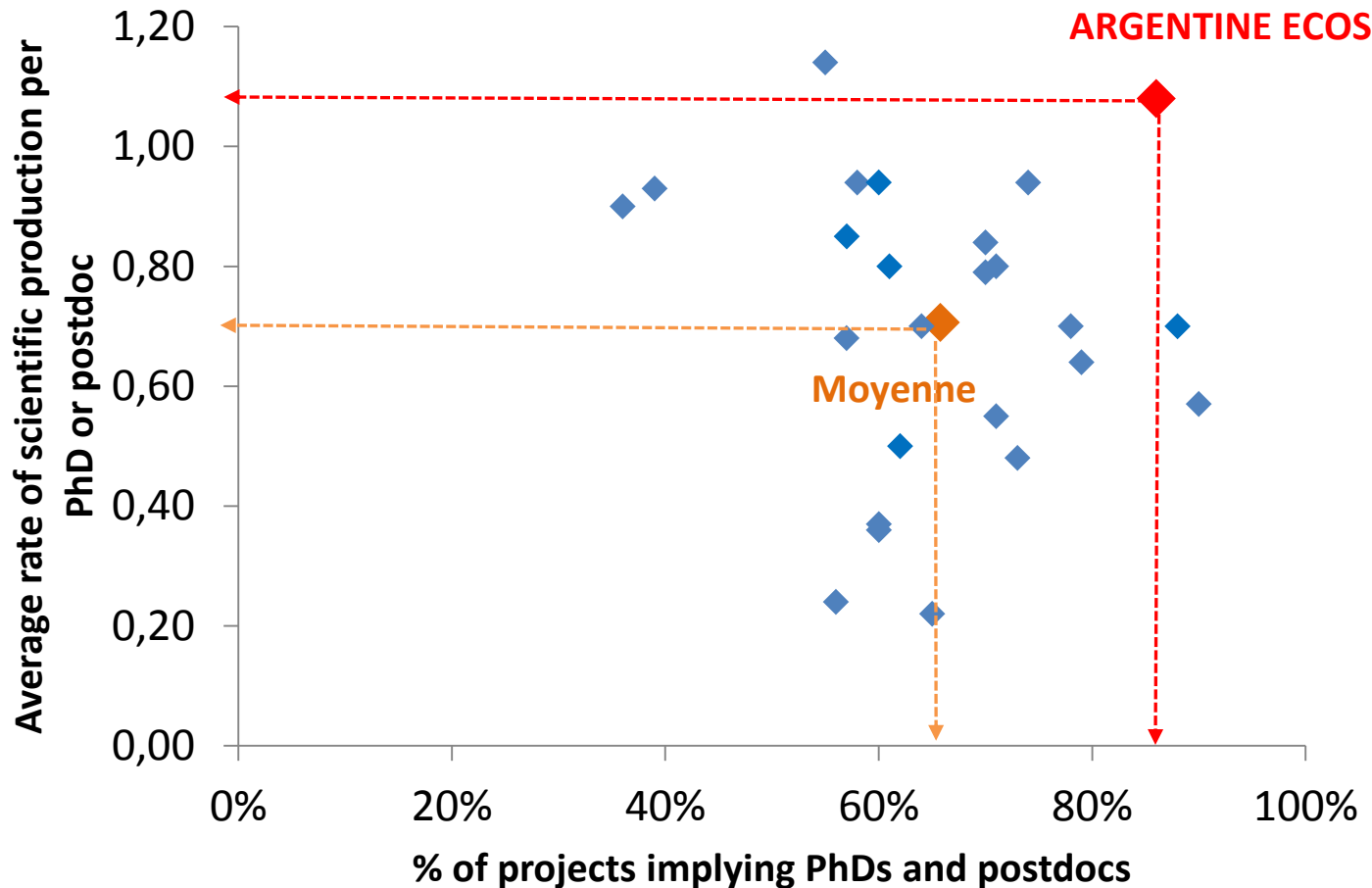
Participation of young researchers (3/3)

Survey
data

37 % of projects integrate post-doctoral researchers



IMPLICATION OF PhDs and Postdocs (COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)

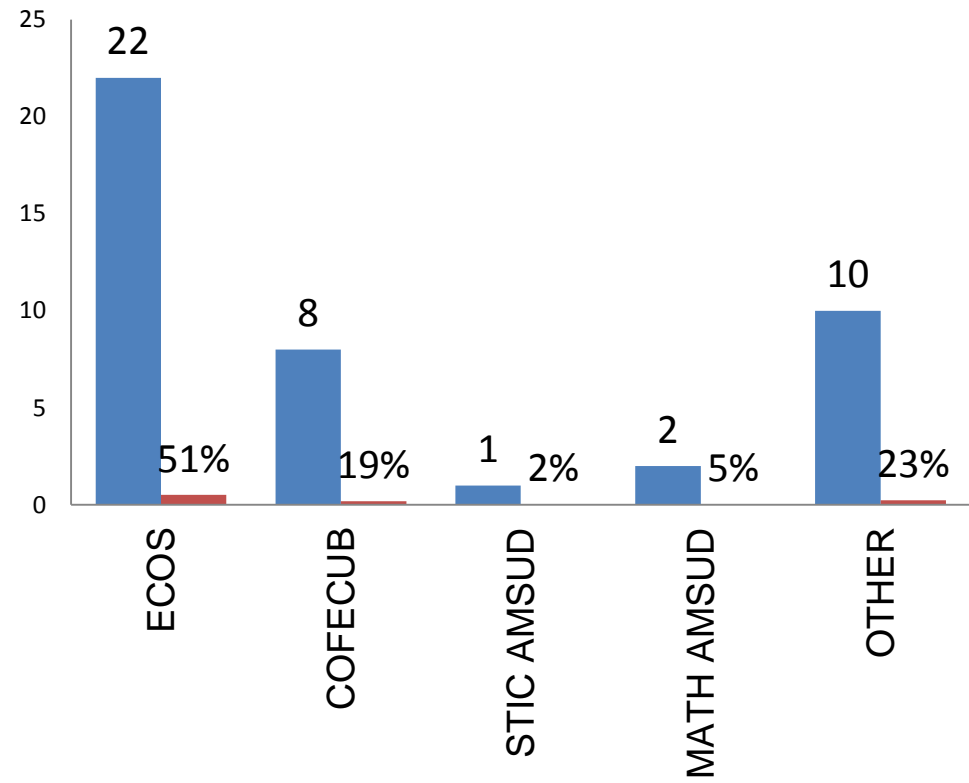
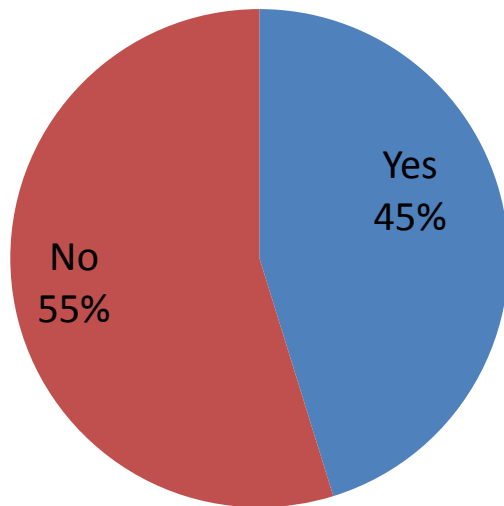


% of projects implying PhDs and Post-doc : 86% vs 66% mean
Average rate of scientific production per PhD : 1,08 vs 0,71

Before this ECOS South Argentina programme

Survey data

Participation to another cooperation program supported by France in Latin America before this ECOS South Argentina program



■ Number ■ Ratio



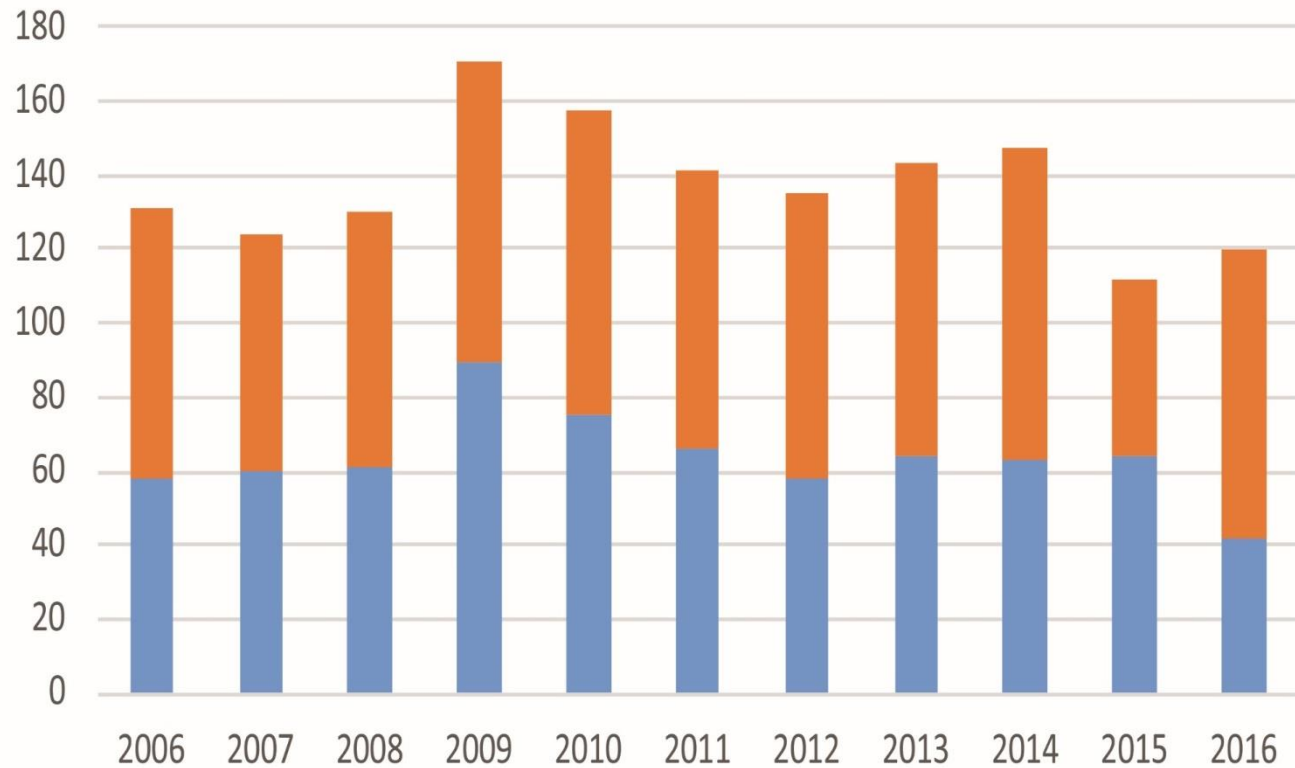
Mobility



Mobility

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Missions et séjours ECOS-Sud France-Argentine



Argentina >> Francia



France >> Argentina

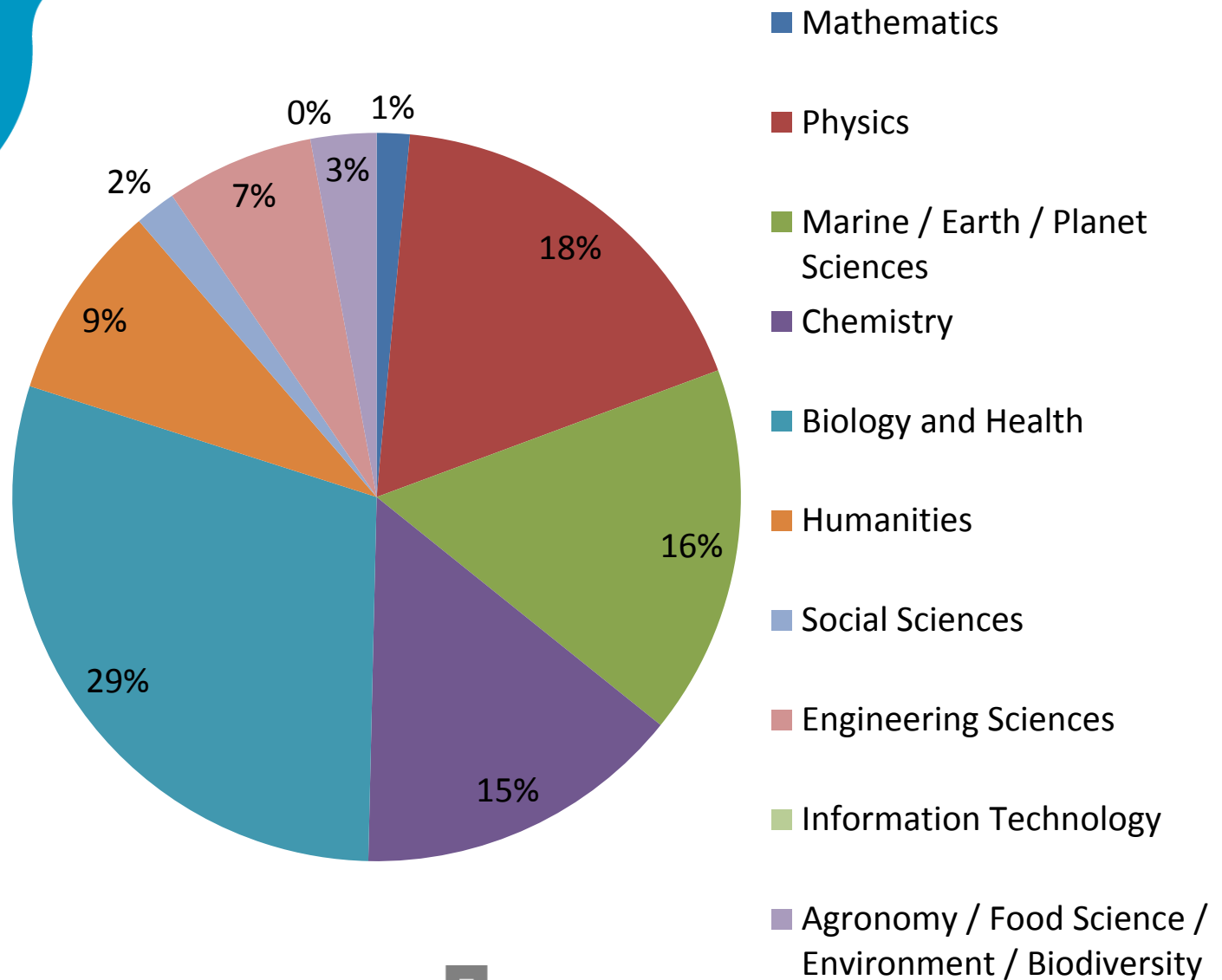


Scientific production



Scientific output (1 / 2)

Survey



Scientific output (2 / 2)

Survey

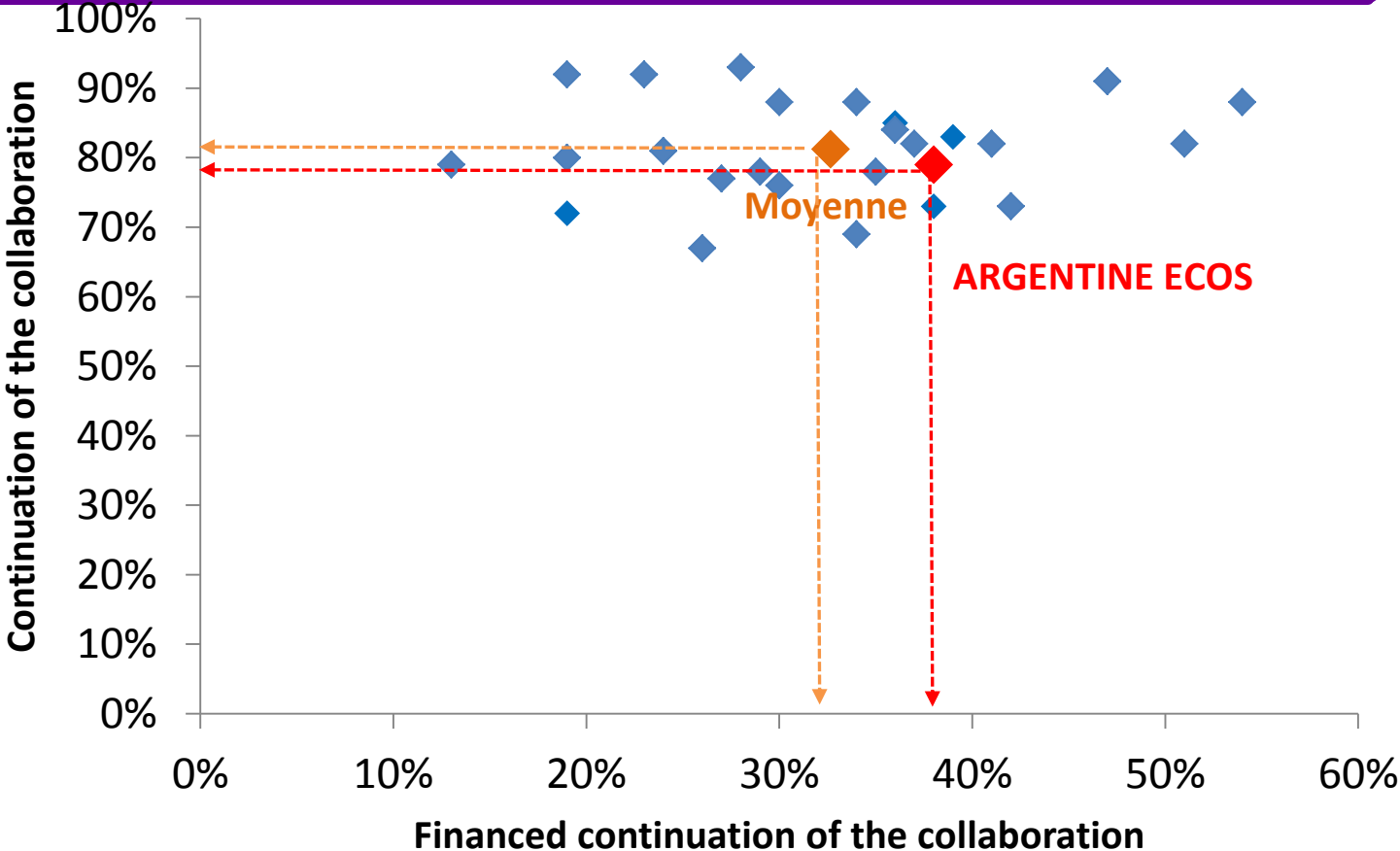
79% of projects have produced co-publications
78% including PHD & PostDoc

	Number of funded projects by thematic area	Ratio of funded projects by thematic area	Number of copublications	Ratio of copublications by thematic area	Intensity of copublication
Mathematics	3	4%	4	1%	1,3
Physics	13	18%	49	18%	3,8
Marine / Earth / Planet Sciences	6	8%	45	16%	7,5
Chemistry	10	14%	40	15%	4,0
Biology and Health	22	30%	81	30%	3,7
Humanities	7	10%	24	9%	3,4
Social Sciences	2	3%	5	2%	2,5
Engineering Sciences	5	7%	18	7%	3,6
Information Technology	0	0%	0	0%	0,0
Agronomy / Food Science / Environment / Biodiversity	5	7%	8	3%	1,6
TOTAL	73	100%	274	100%	3,8

What happens after a ECOS South Argentina Project ?



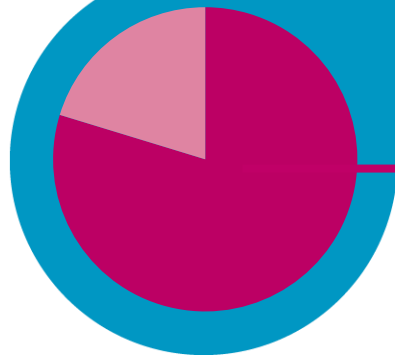
CONTINUATION OF THE COLLABORATION (COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)



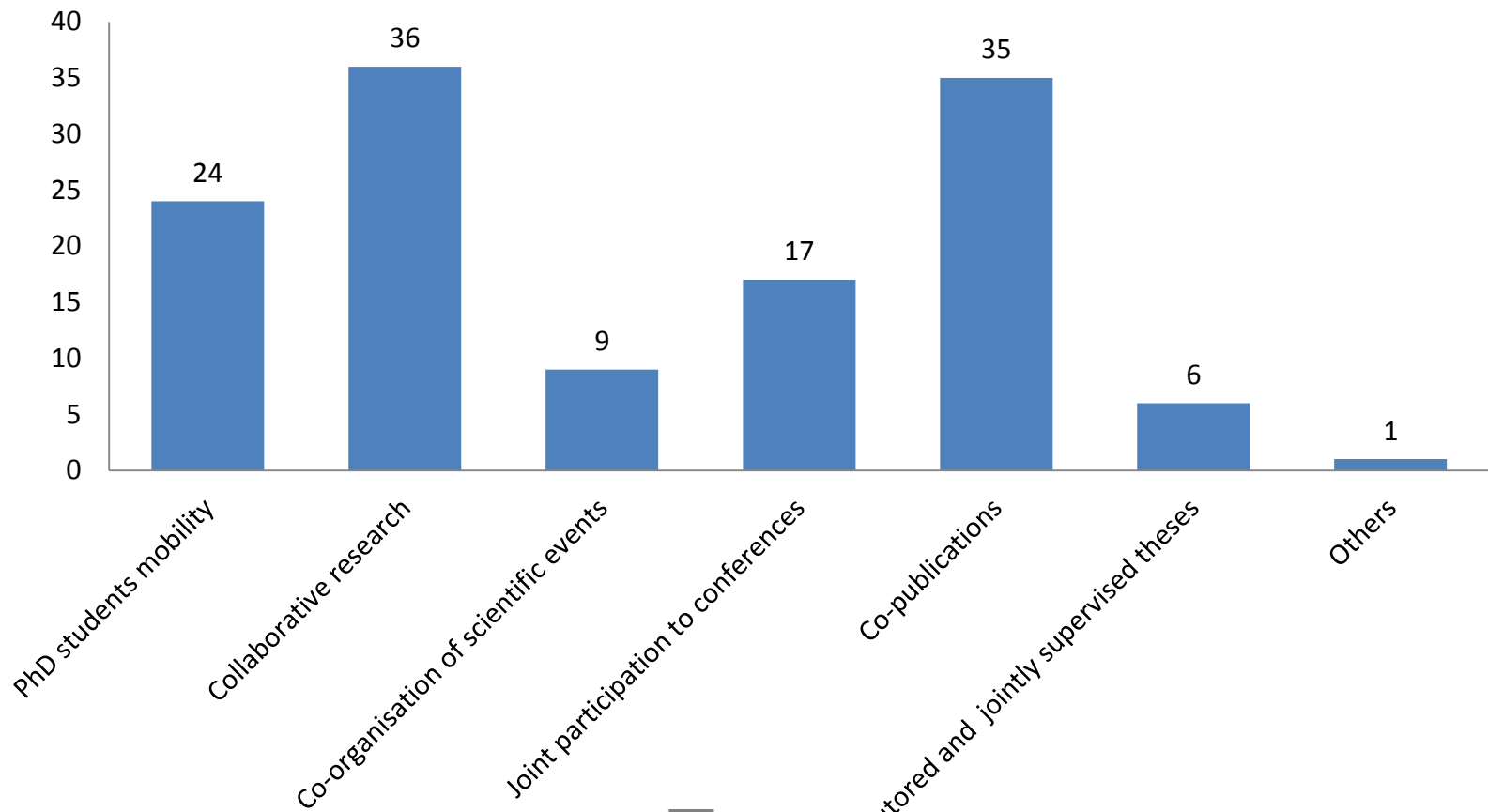
Continuation of the collaboration : 79% vs 81% mean

Continuation of the collaboration with other sources of subvention : 38% vs 33% mean

Continuation of the collaboration *(survey)*



79% of the collaborations continued after the ECOS

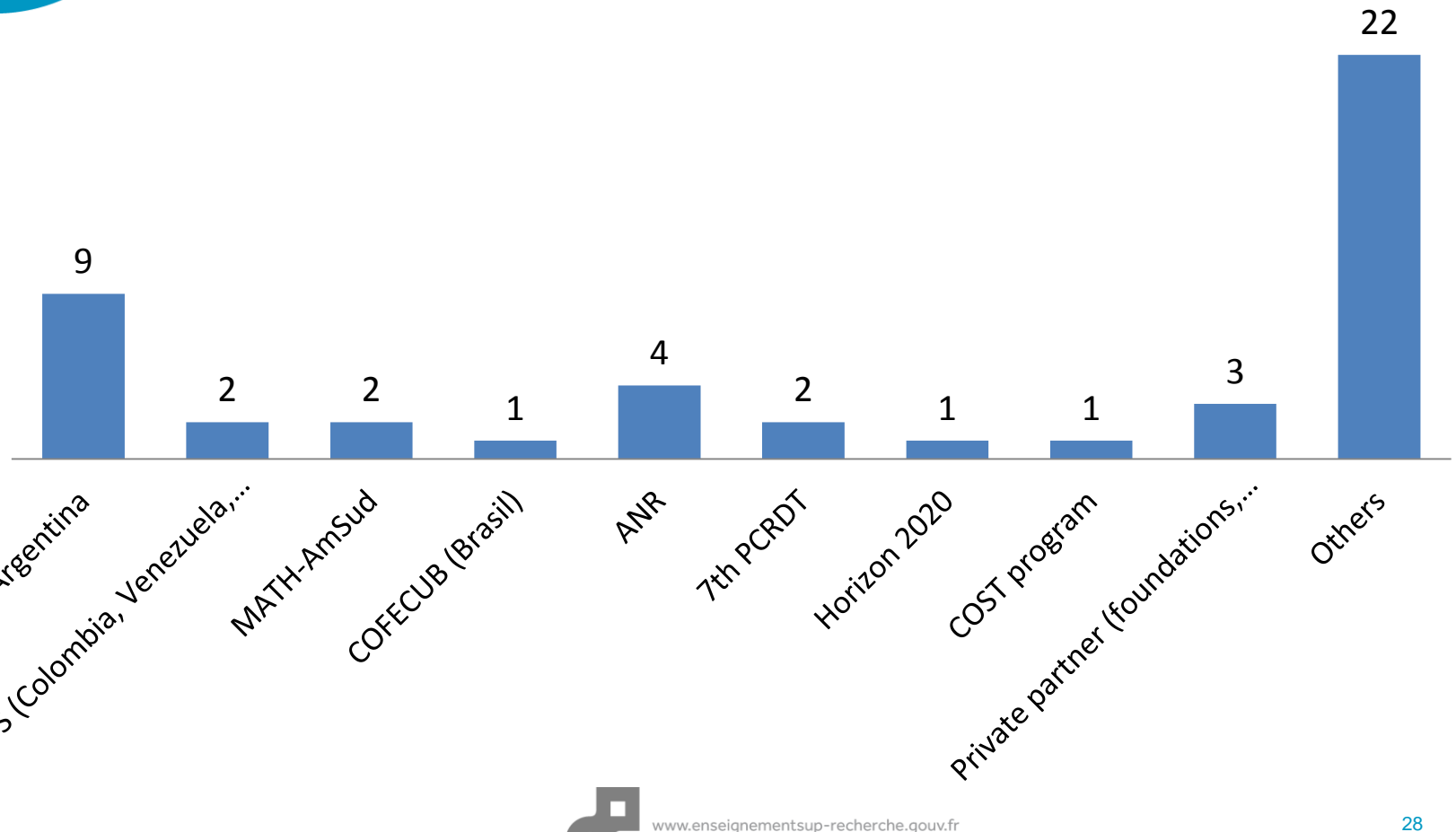


Continuation of the collaboration: funding

Survey
data

38% of funded collaborations after the ECOS

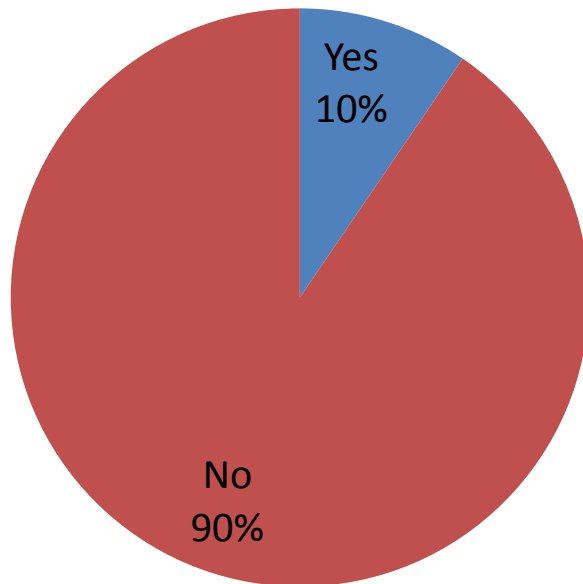
If yes, what kind of funding ? How many occurrences ?



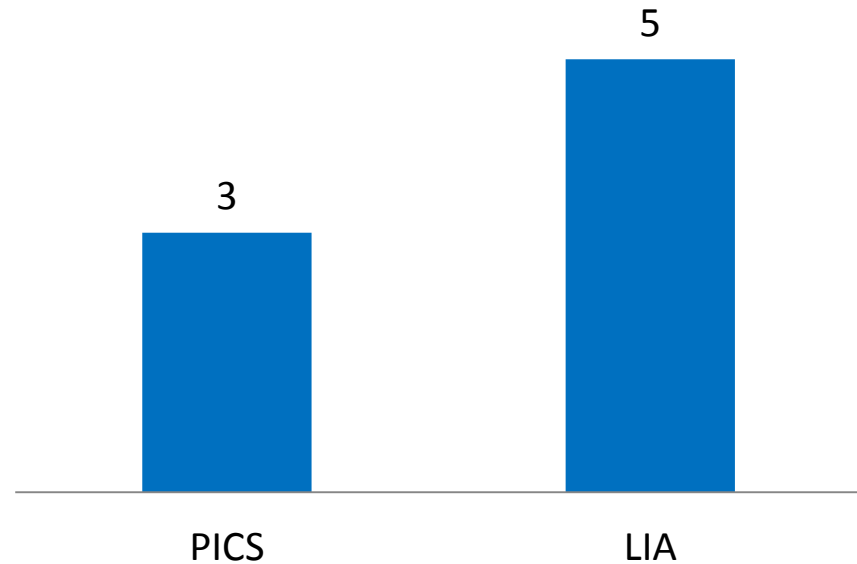
Continuation of the collaboration *(survey)*

Survey

% of projects where joint structures were created on the basis of the ECOS



Type of initiatives:



General opinion on the programme : word cloud (survey)

Survey
data



Preliminary Conclusions / Recommendations

CONCLUSIONS

- Top PHD student involvement (100 %)
- Mainly senior Principal Investigators (89 %)
- Good further scientific collaborations (79 %)
- Difficulties for obtaining financial support for further scientific collaborations (38 %)
- High level of scientific output (79%) including PHD students (79 %)

RECOMMENDATIONS

- ✓ Encourage NEW collaborations
- ✓ Promote young researchers applications
- ✓ Improve success ratio



CONCLUSIONS

French national authorities (MESRI / MEAE) will provide a complete analysis of the survey (incl. on the scientific impact) and provide this to recipients of the funding and participants in this symposium.

Preliminary conclusions suggest that the funding scheme is efficiently contributing to creating (maintaining) fruitful and long term cooperation, despite the relatively low financial support, which is to be considered as “seed money”.

Thank you for your attention



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