

FRANCE – ISRAEL PHC MAIMONIDE

Scientific impact of the program (2005-2015)

MESRI-DAEI / MEAE

2019

<http://www.enseignementsup-recherche.gouv.fr>

GENERAL PRESENTATION OF THE PROGRAMME

Creation : 2002

Total budget (France + Israel) : around 960 000 € / year

>> including budget from France : 480 000 € / year

>> including budget from Israel : 480 000 € / year

Annual average budget per project : 160 000 € / year

Number of new projects per year : around 6

Duration of the projects : 2 years

From 2005-2015:

202 applications submitted

92 projects funded

DATA SOURCES

Campus France

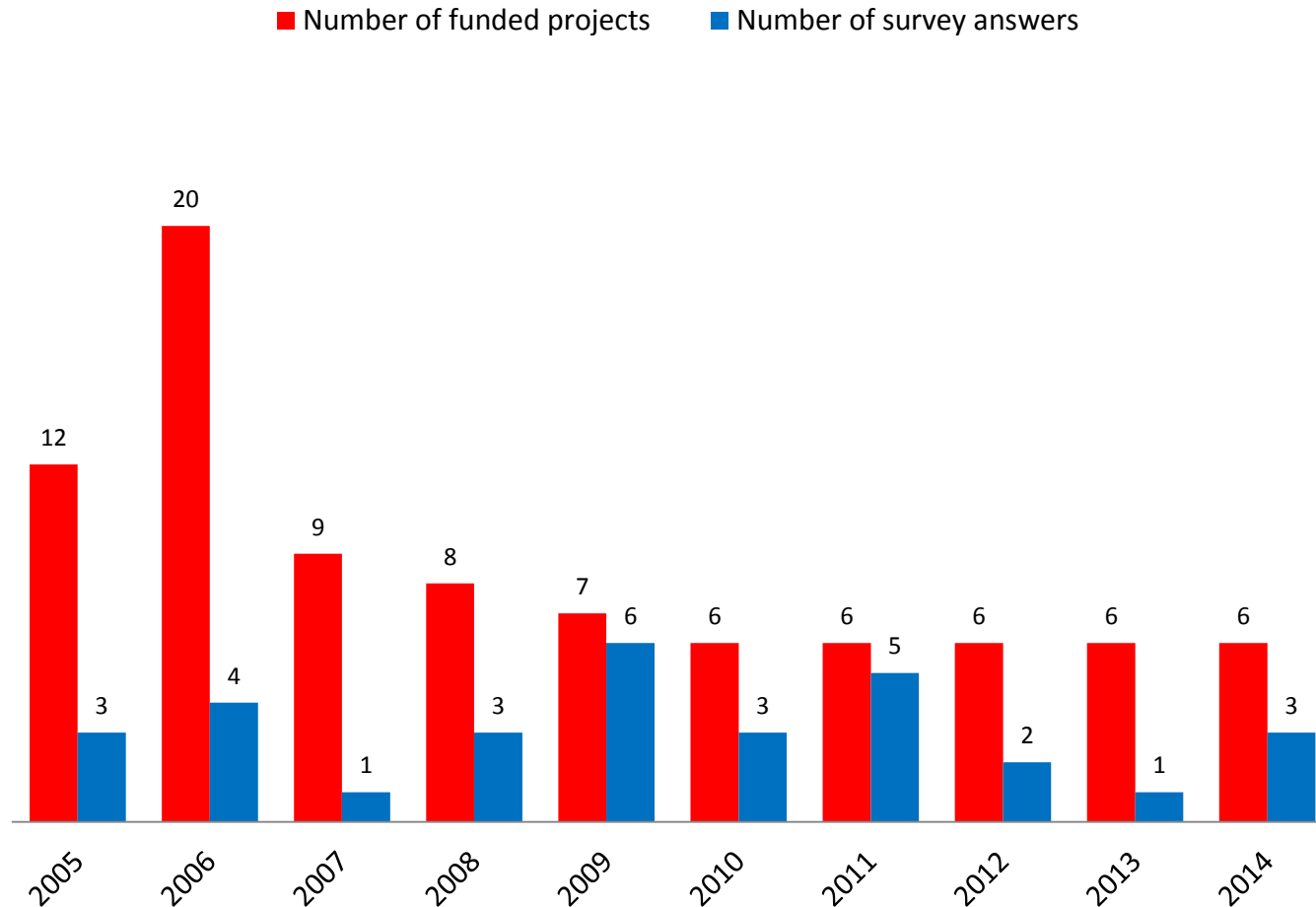
- Information about the PHC Maimonide program applications
- List of mobilities (from France to Israel)

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

- Target : Principal Investigators of selected projects between 2005 and 2015
- Survey duration : 6 weeks between **March and April 2016**
- **39%** response ratio *(31 respondents for 80 funded projects)*

ANSWERS TO THE SURVEY

Average response rate to the survey : **39 % (31 answers)**



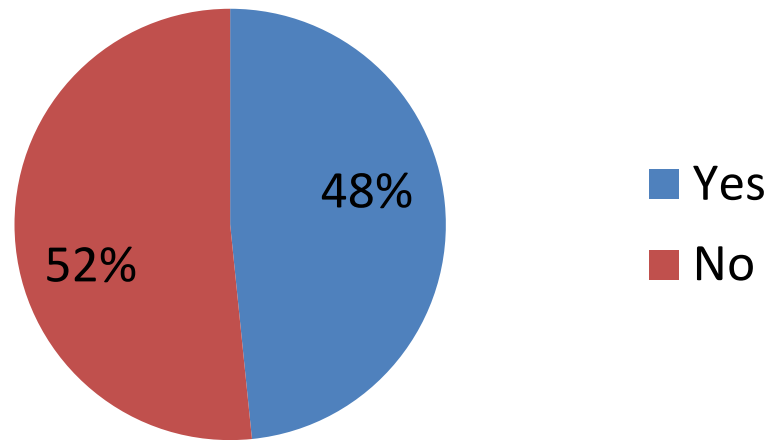
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2005-2015

Key Points

BEFORE THE PHC MAIMONIDE PROJECT

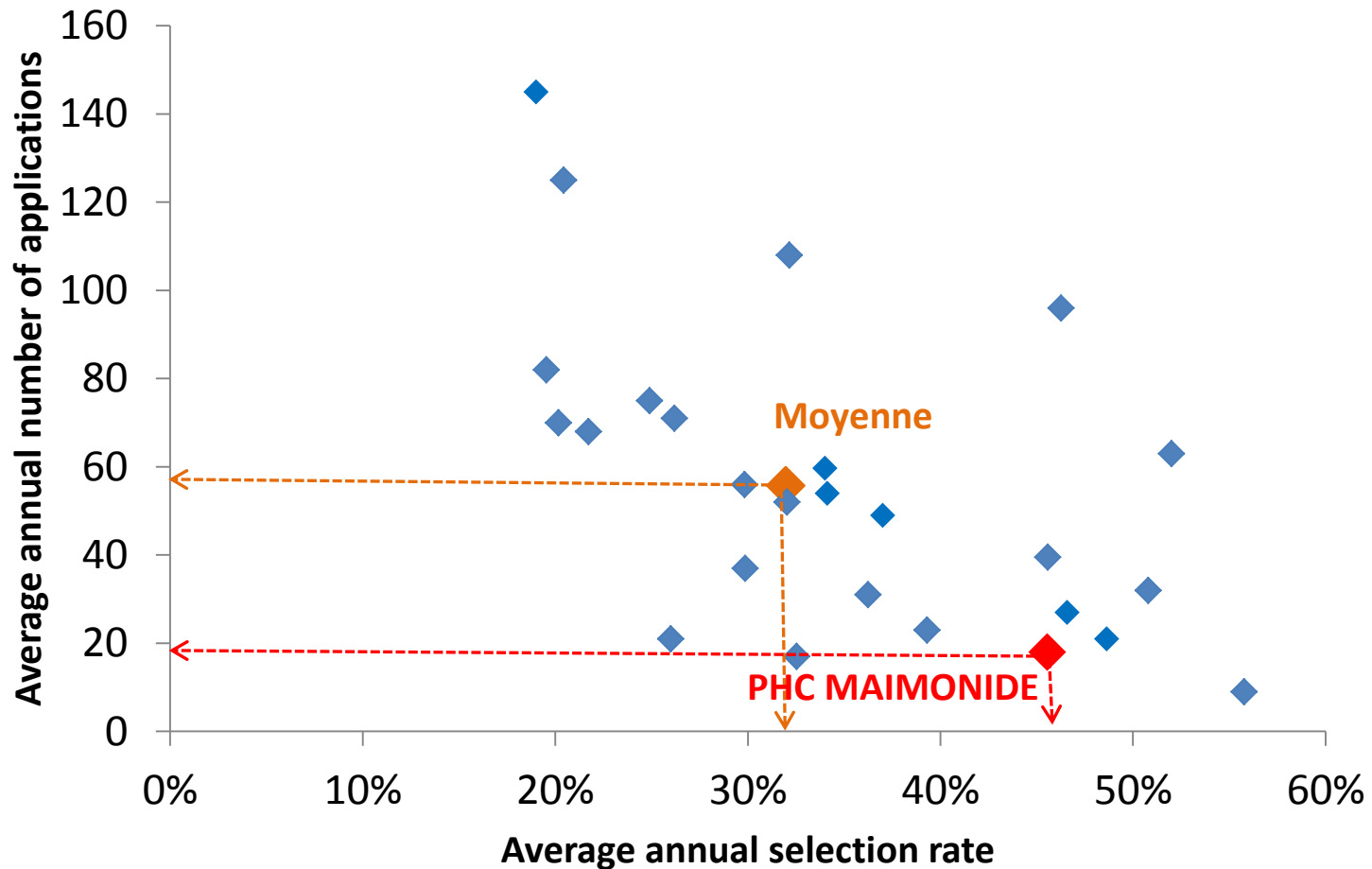
Have you already worked with this Israeli partner in the past?



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NUMBER OF APPLICATIONS VS SELECTION RATE

(COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)

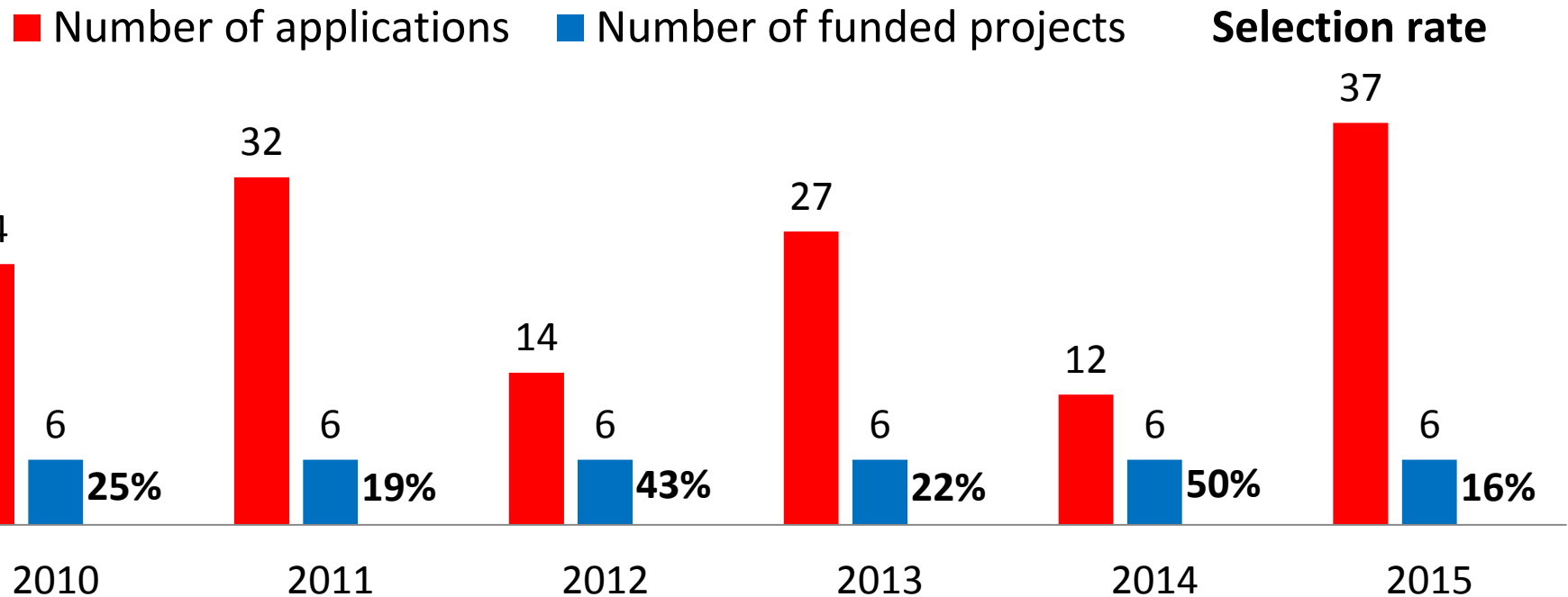


Average selection rate for 2005-2015 : 46% vs 32% mean

Average number of applications 2005-2015 : 18 vs 56 mean

SUCCESS RATE

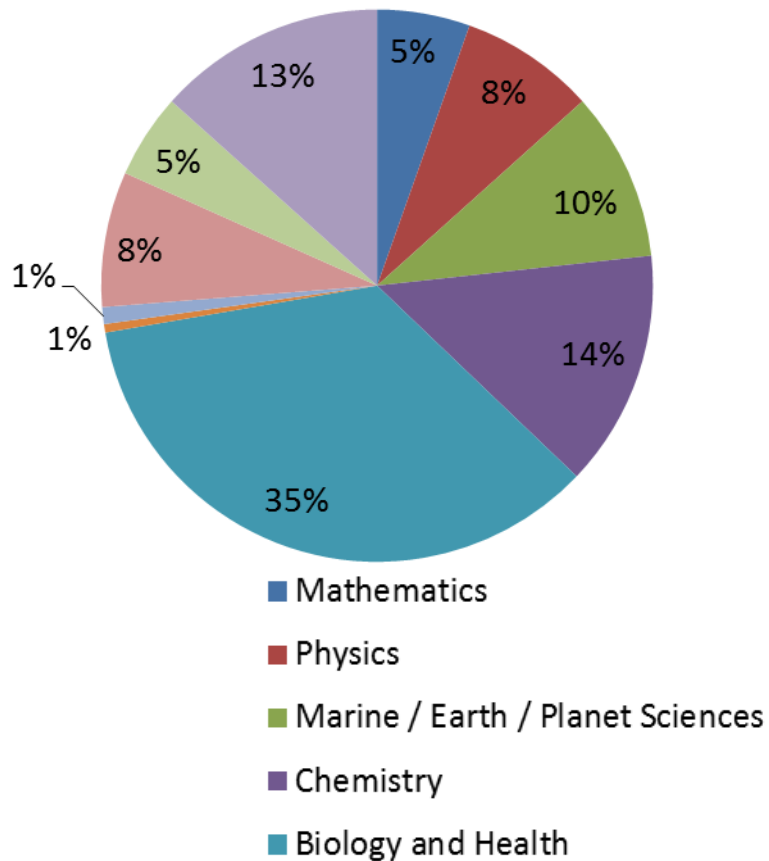
Average selection rate from 2010-2015: **25 %**



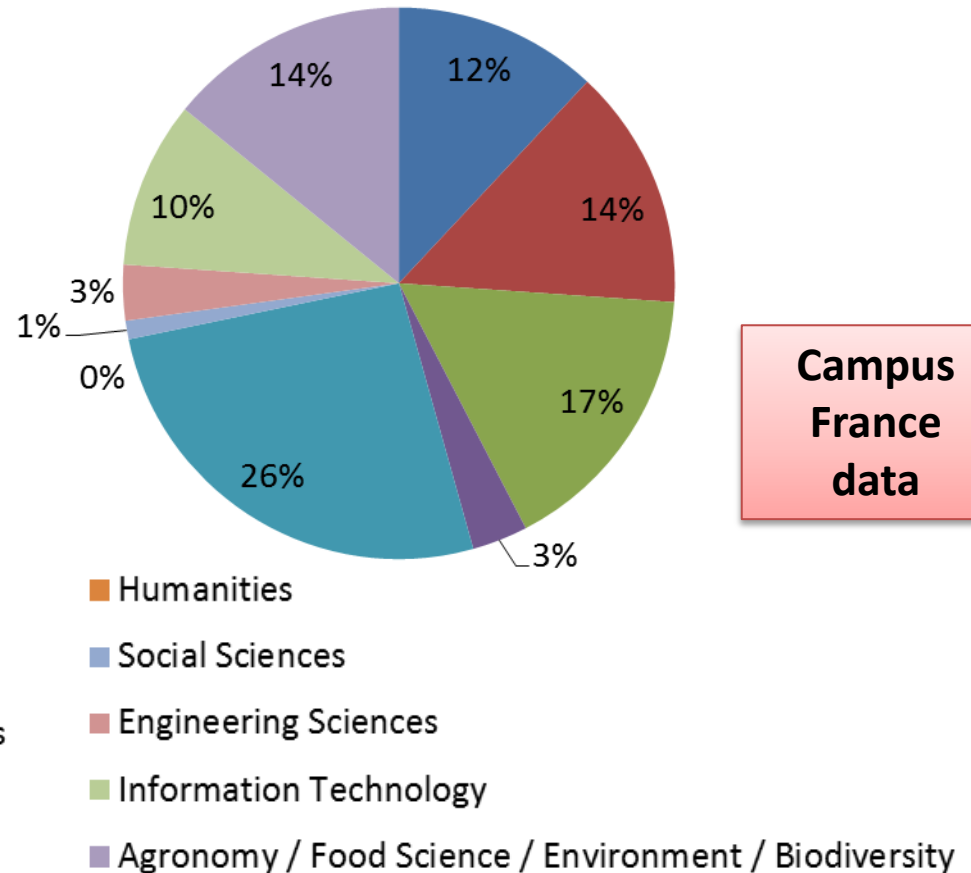
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SCIENTIFIC DOMAINS OF PROJECTS

Number of applications : **202**

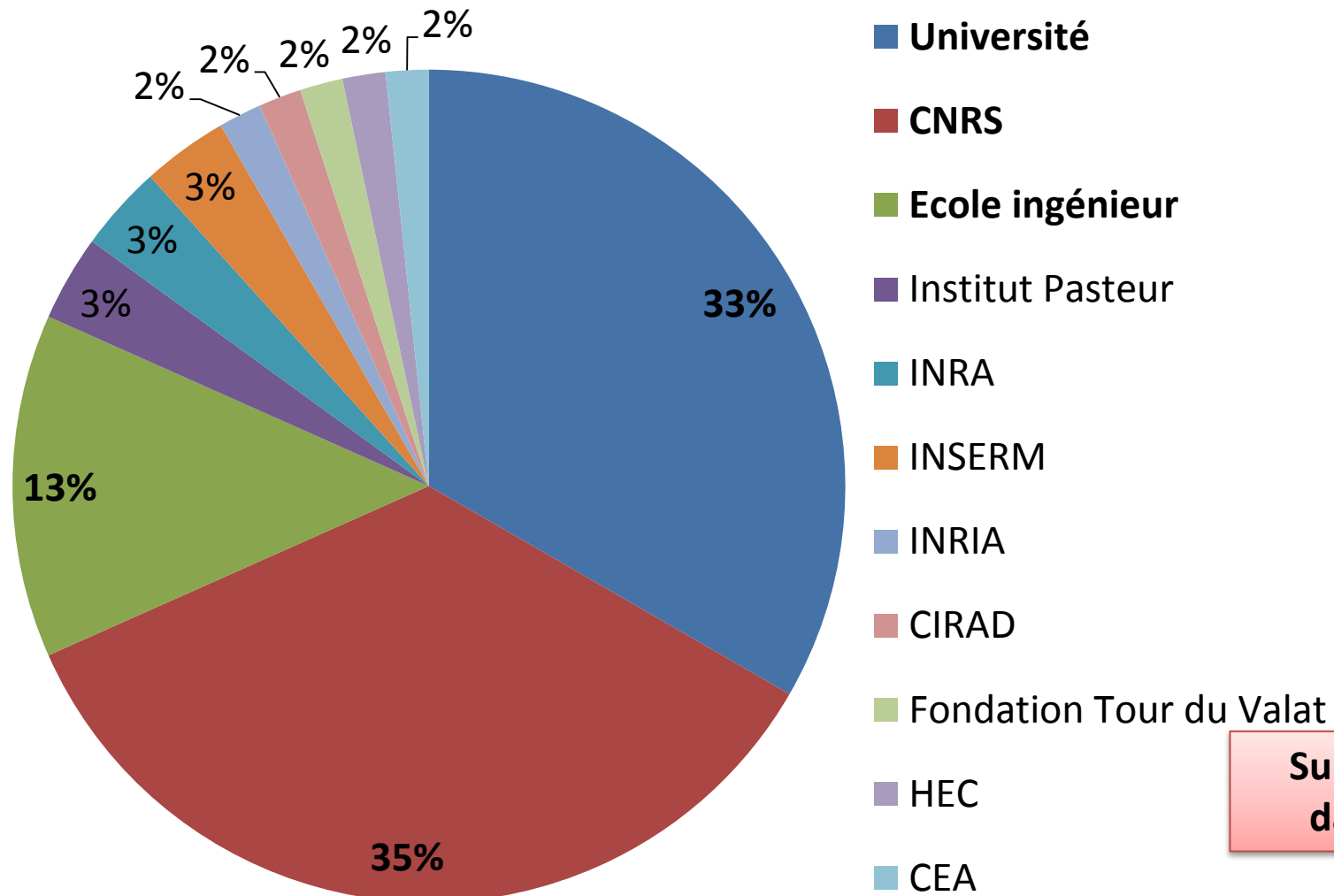


Number of funded projects : **92**



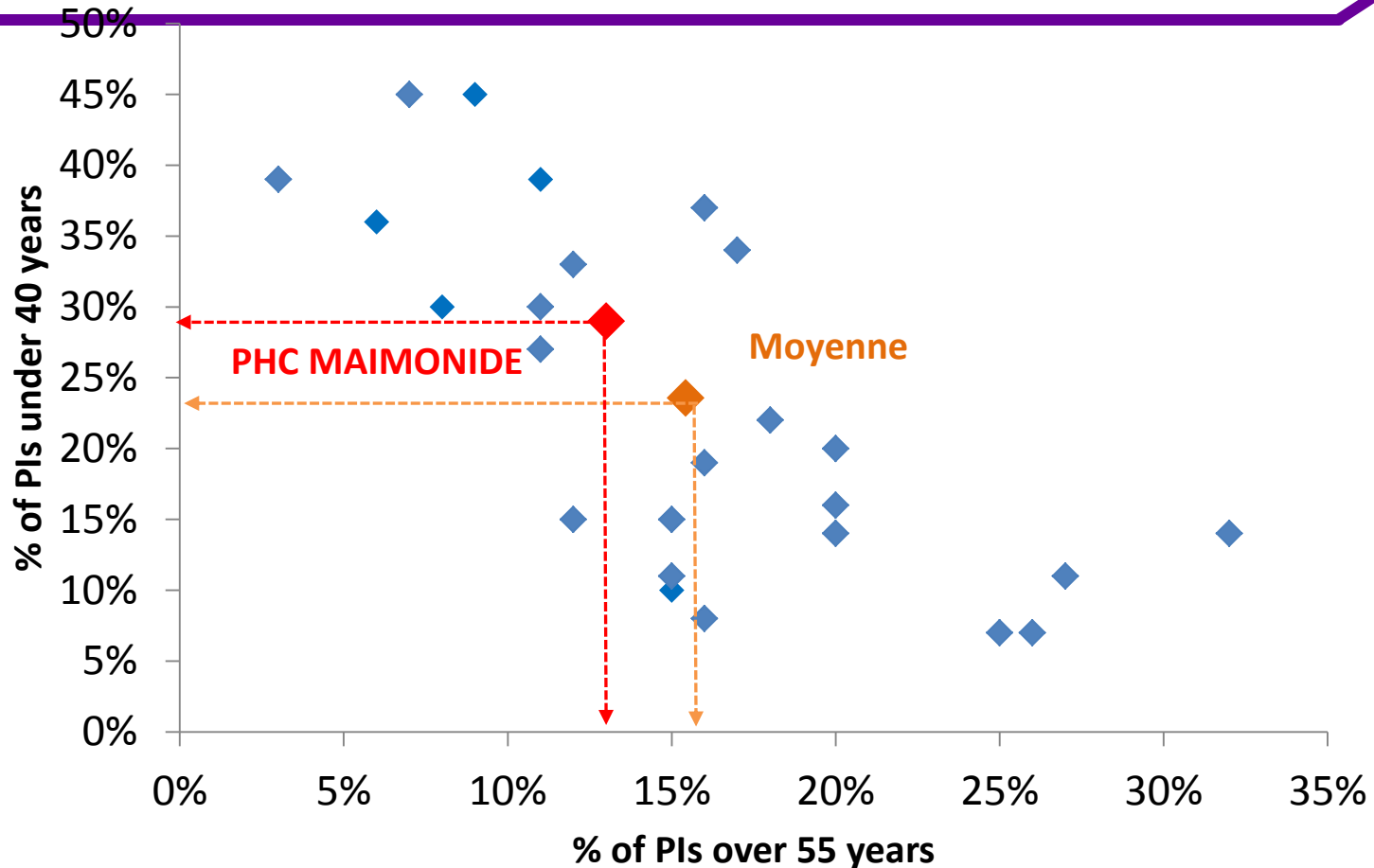
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FRENCH PARTICIPATING INSTITUTIONS



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



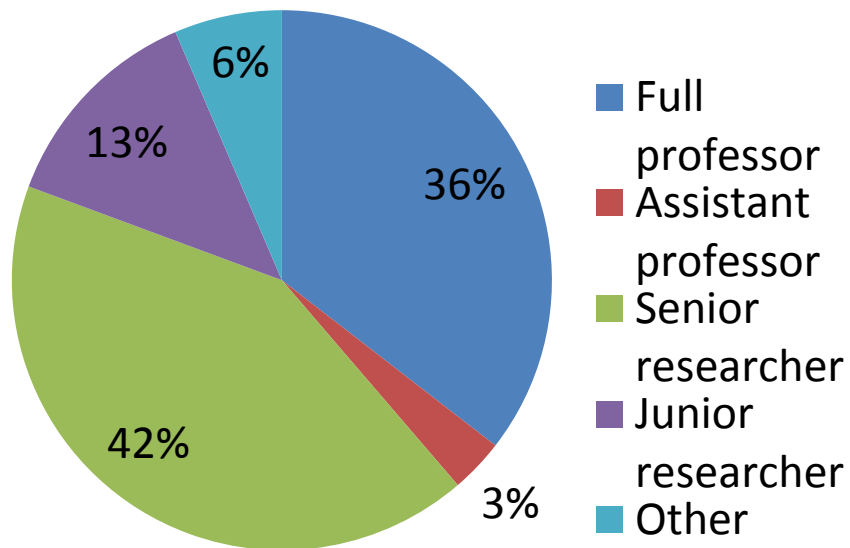
PIs under 40 years : **29% vs 24% mean**

PIs over 55 years : **13% vs 15% mean**

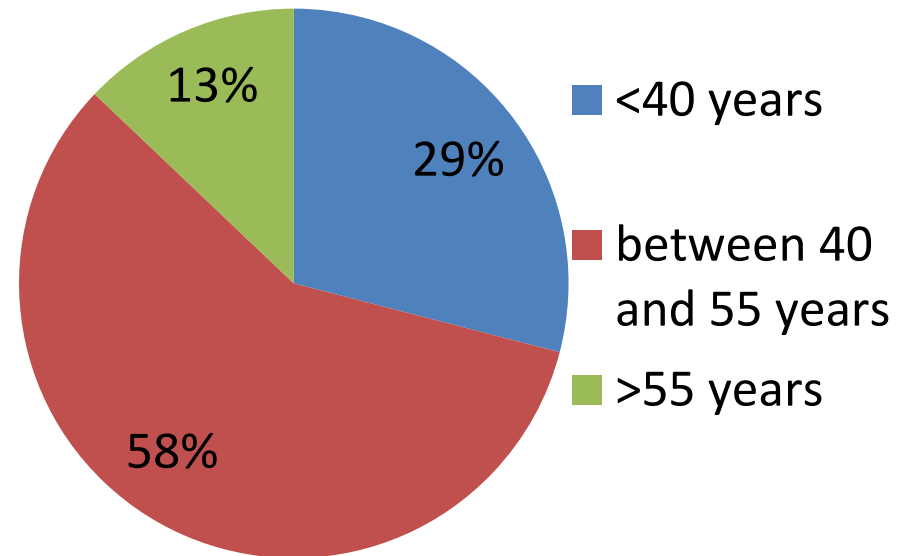
58% of the PIs are between 40 and 55 years

FRENCH PIS (PRINCIPAL INVESTIGATORS) : STATUS AND AGE

Current professional status



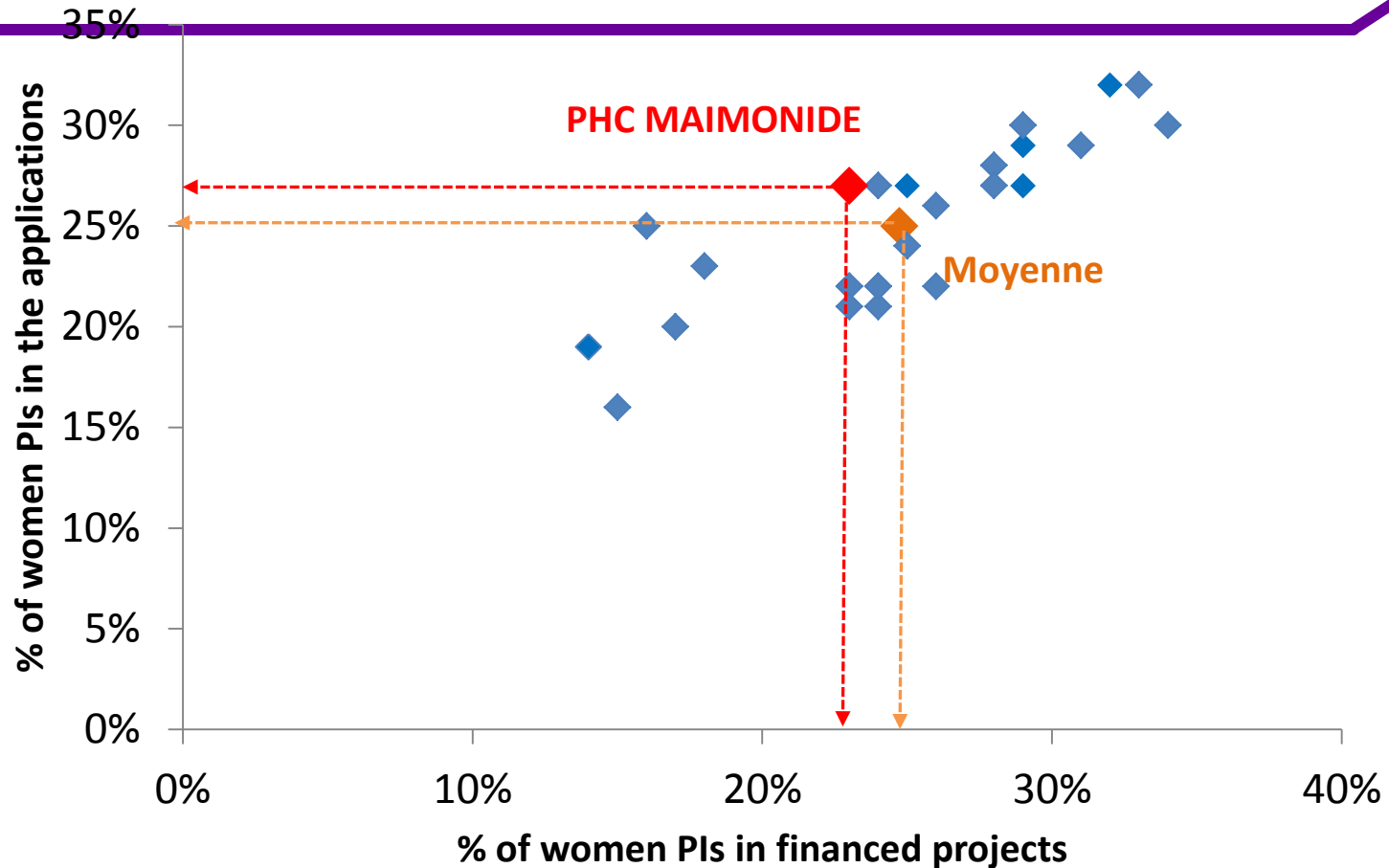
29 % of French PIs are young researchers



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IMPLICATION OF WOMEN (FRANCE)

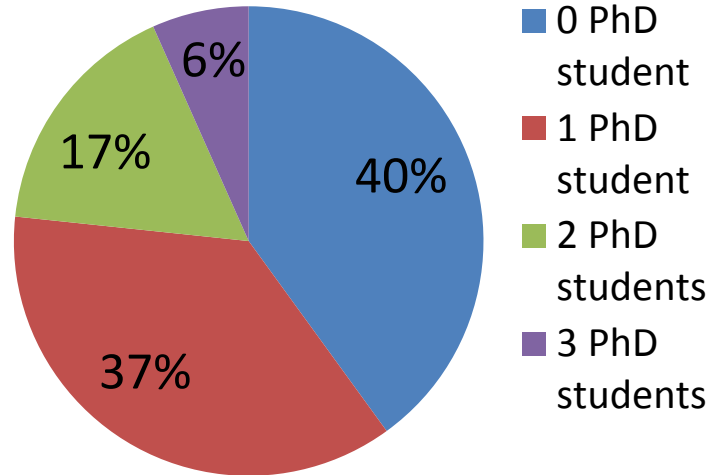
(COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)



% of women PIs in the applications : **27% vs 25% mean**
% of women PIs in the selected projects : **23% vs 25% mean**

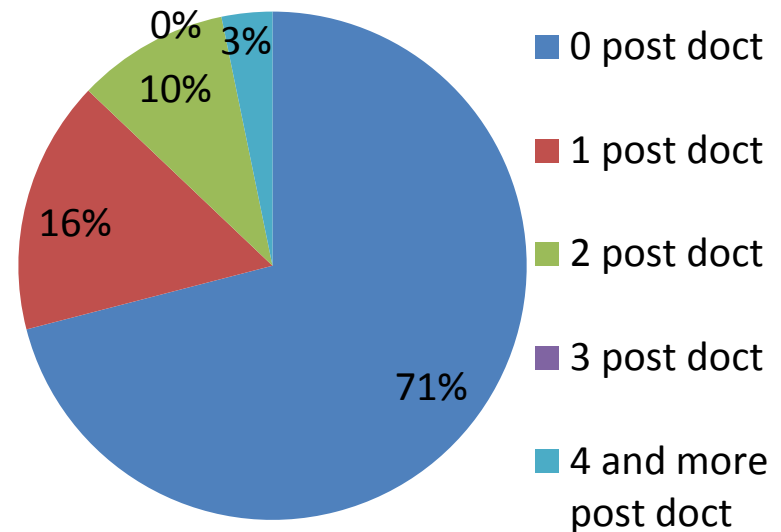
PARTICIPATION OF YOUNG RESEARCHERS

Number of PhD students



60 % of projects
integrate PhD students

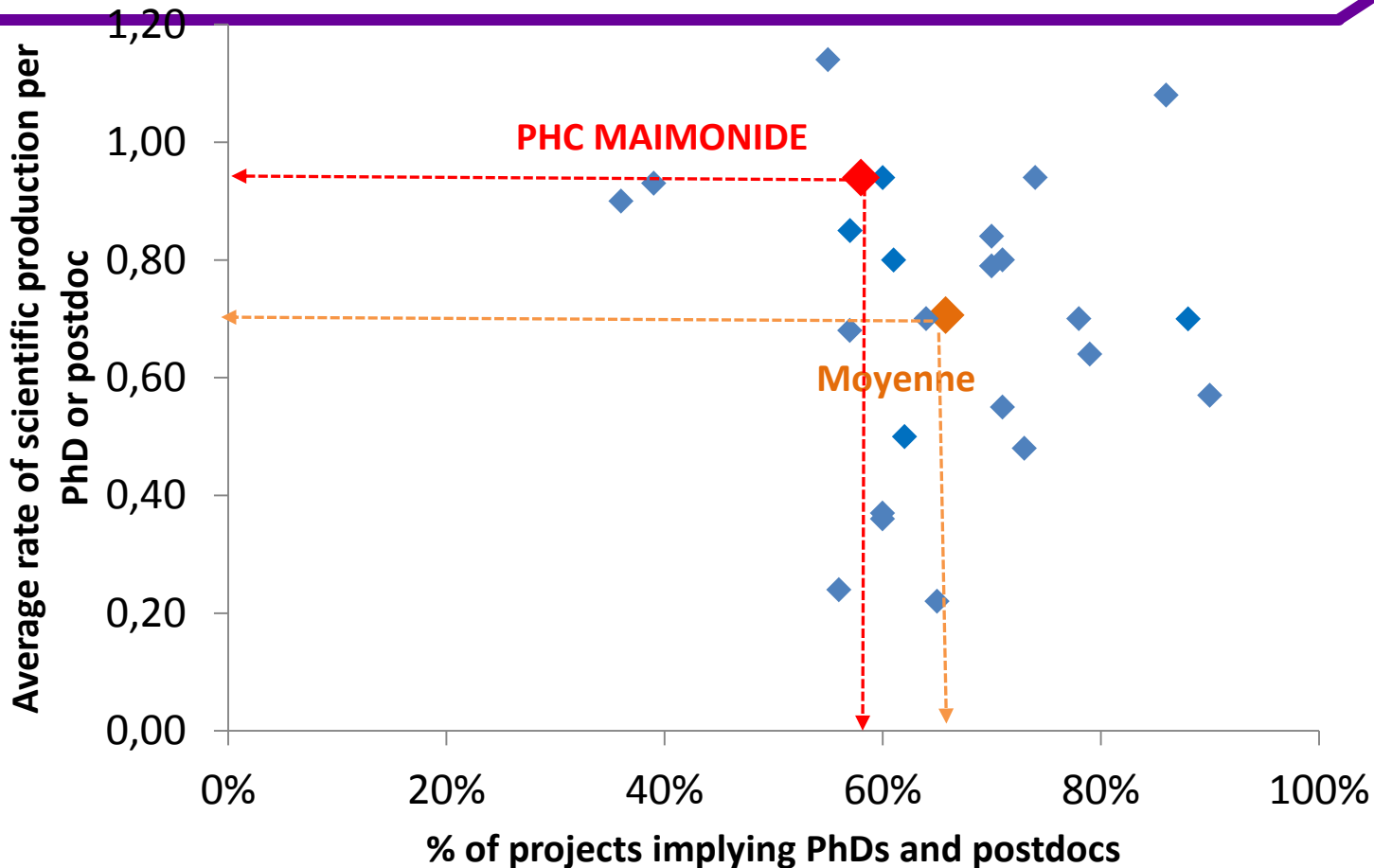
Number of post-doctoral researchers



29 % of projects
integrate post-doctoral
researchers

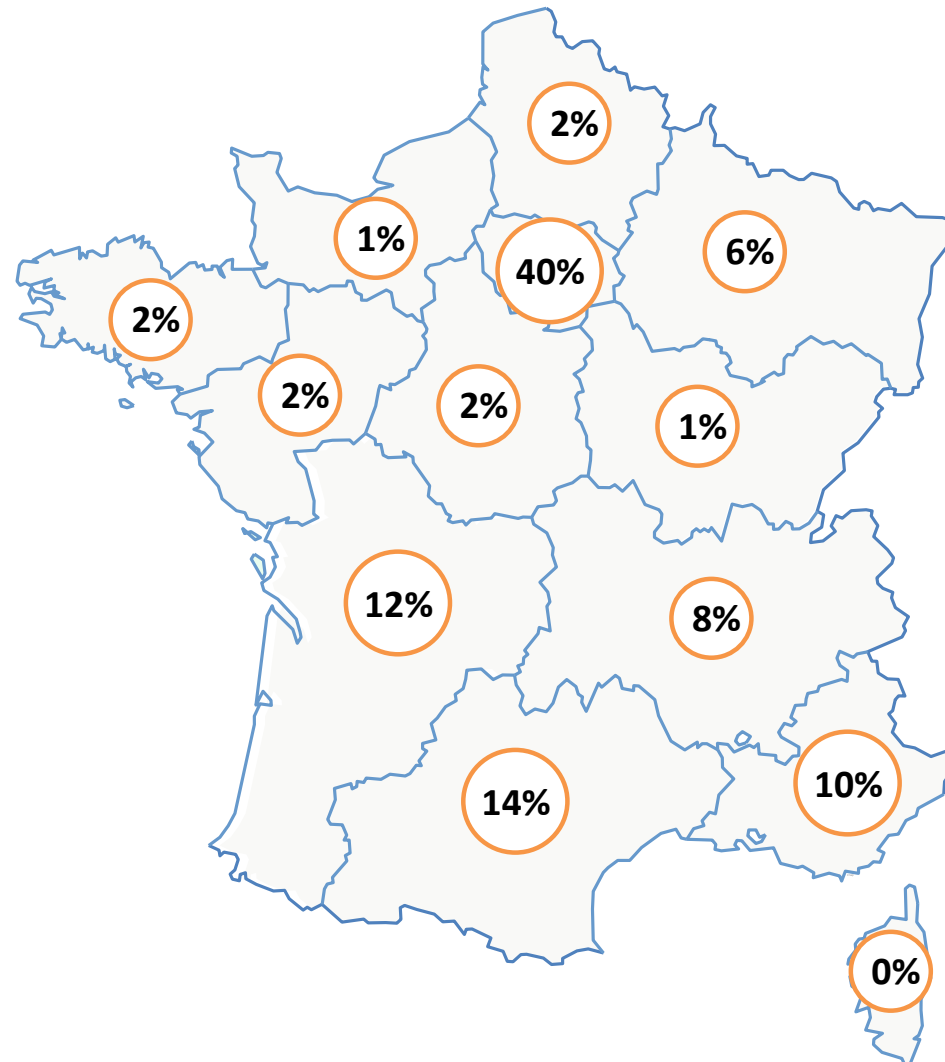
IMPLICATION OF PhDs and postdocs

(COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)



% of projects implying PhDs and Post-doc : 58% vs 66% mean
Average rate of scientific production per PhD : 0,94 vs 0,70 mean

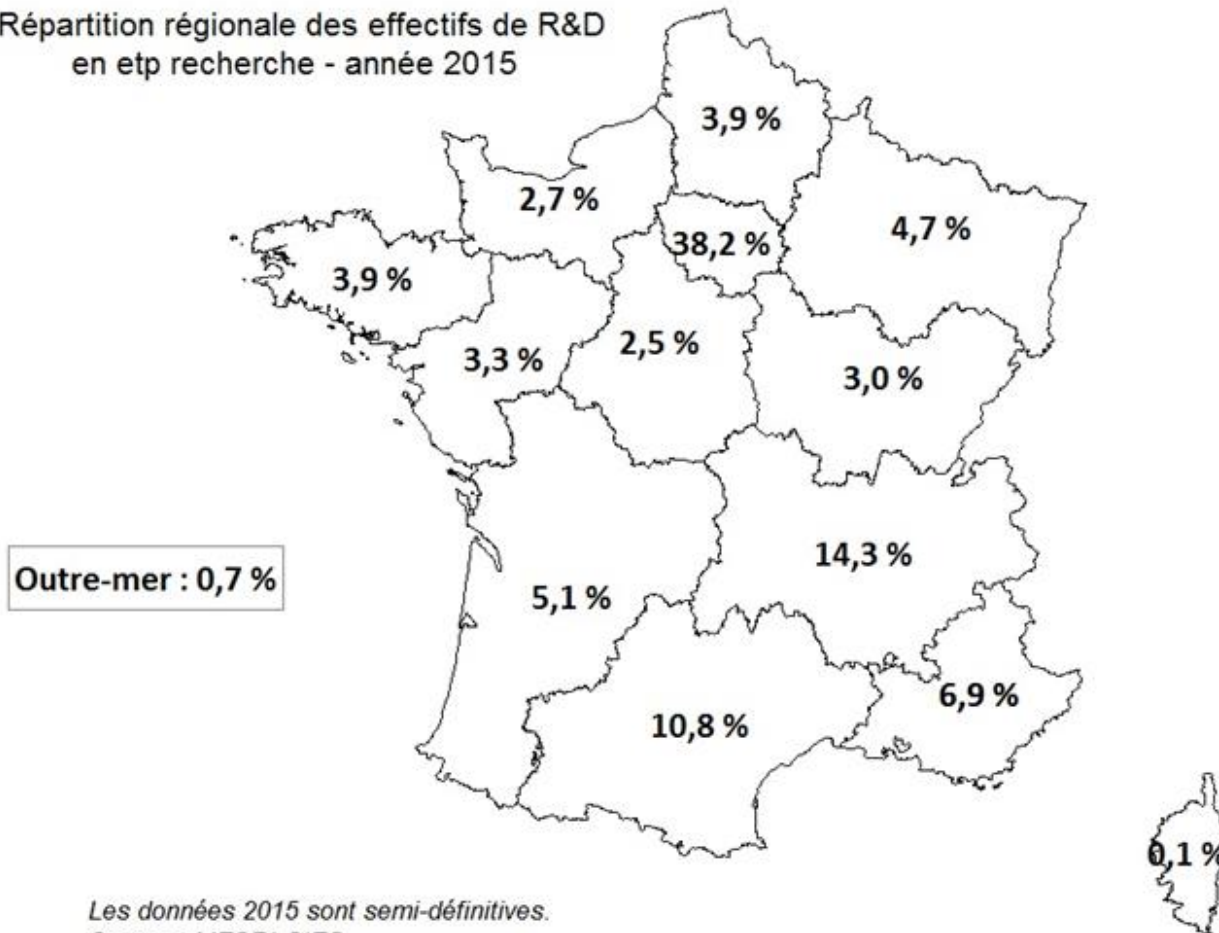
LOCATION OF FRENCH PARTICIPATING INSTITUTIONS (LABORATORIES)



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LOCATION OF FRENCH RESEARCHERS

Répartition régionale des effectifs de R&D
en etp recherche - année 2015



Outre-mer : 0,7 %

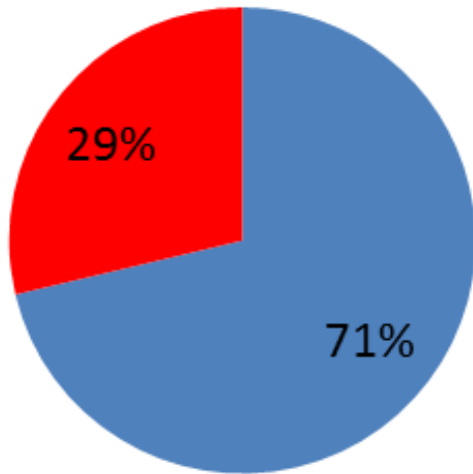
Les données 2015 sont semi-définitives.
Source : MESRI-SIES.

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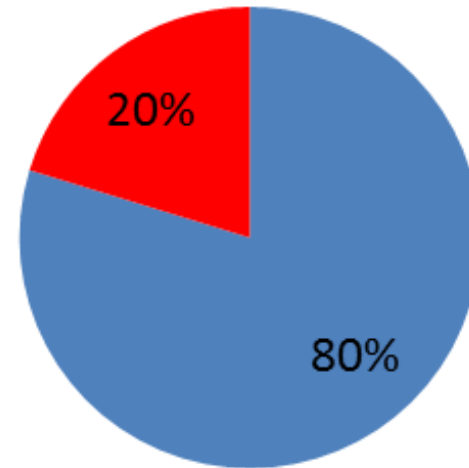
Mobility

MOBILITY : GENDER DISTRIBUTION

France → Israel



Israel → France

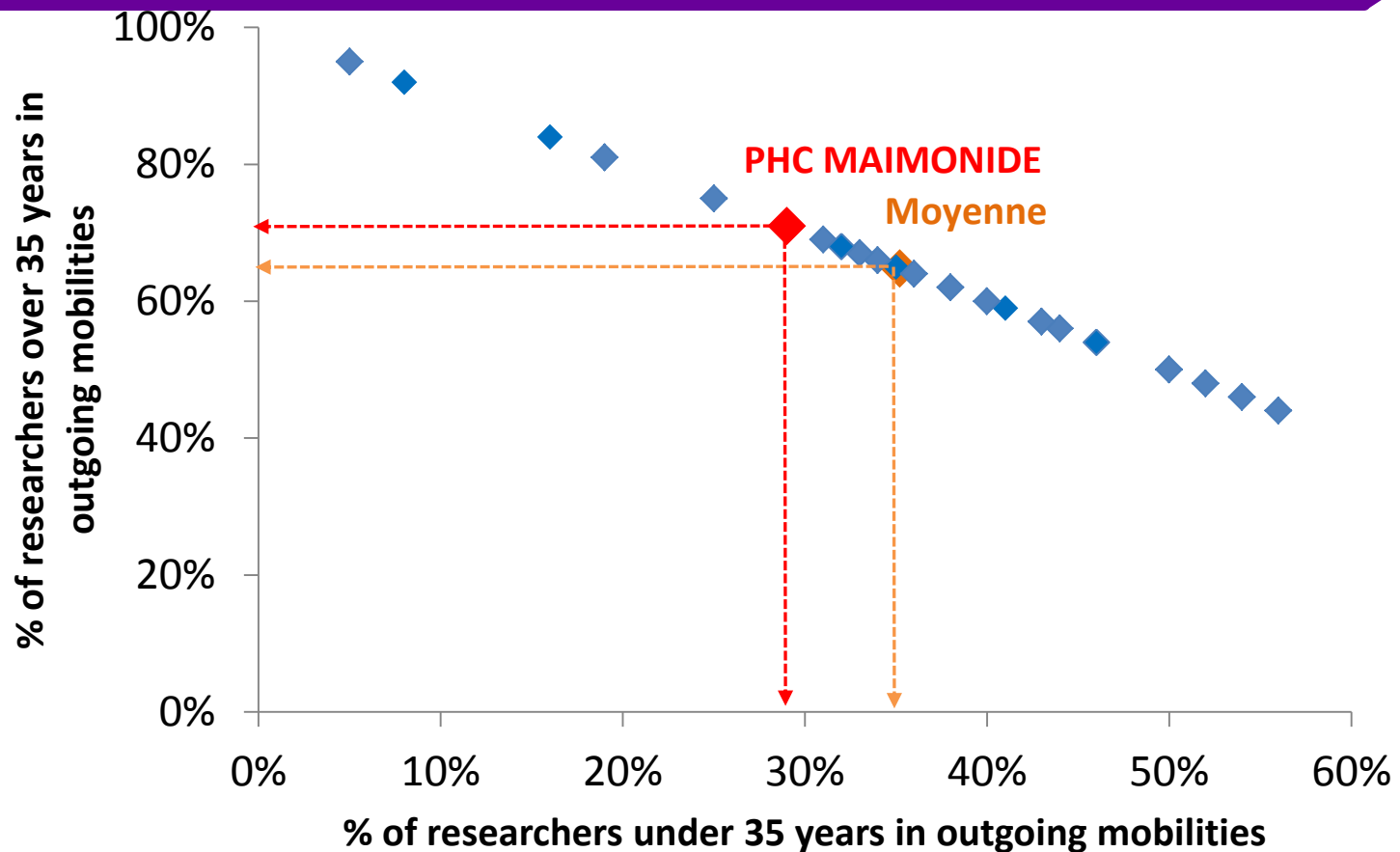


■ Men ■ Women

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MOBILITY FRANCE – ISRAEL

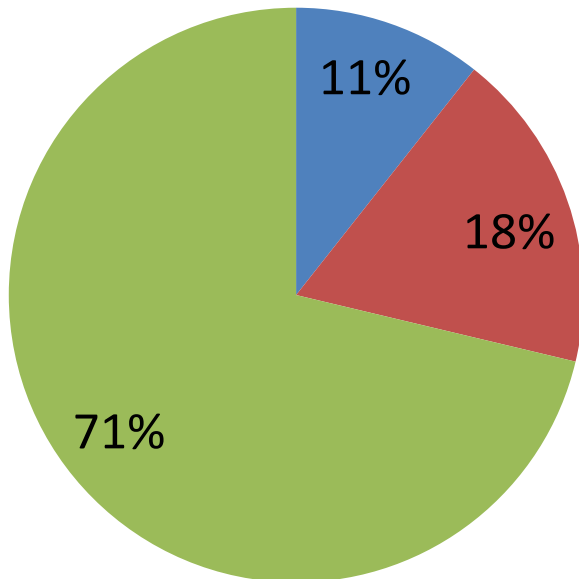
(COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)



% of french young researchers in outgoing mobilities : **29% vs 35% mean**

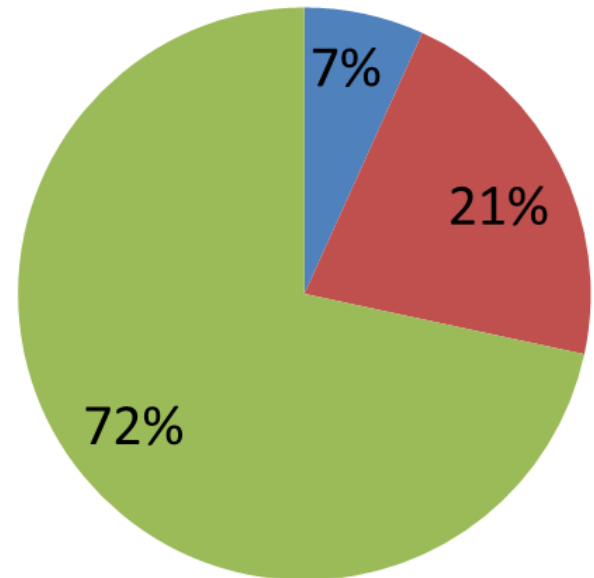
MOBILITY : STATUS

France → Israel



- carried out by PhD students (<28 years old)
- carried out by post-doctoral researchers (28<=age<=35 years old)
- carried out by permanent researchers (>35 years old)

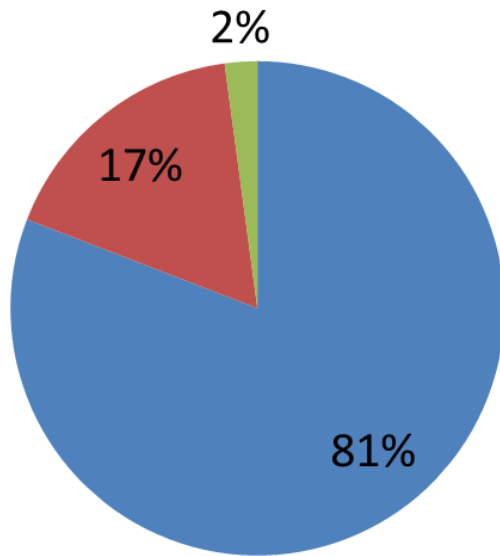
Israel → France



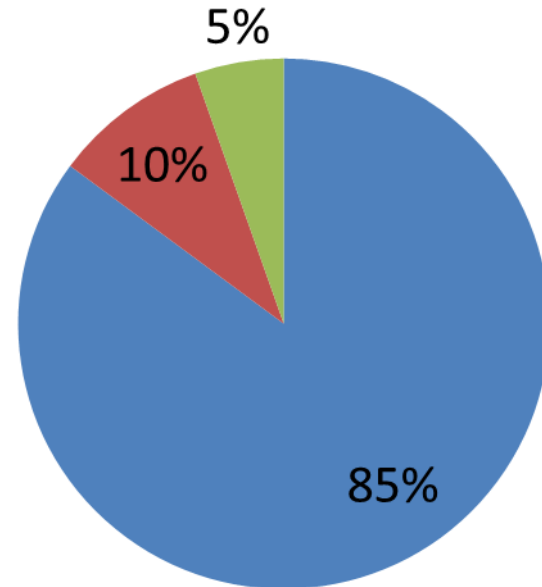
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MOBILITY : DURATION

France → Israel



Israel → France



■ < 15 days

■ between 15 days and 3 months

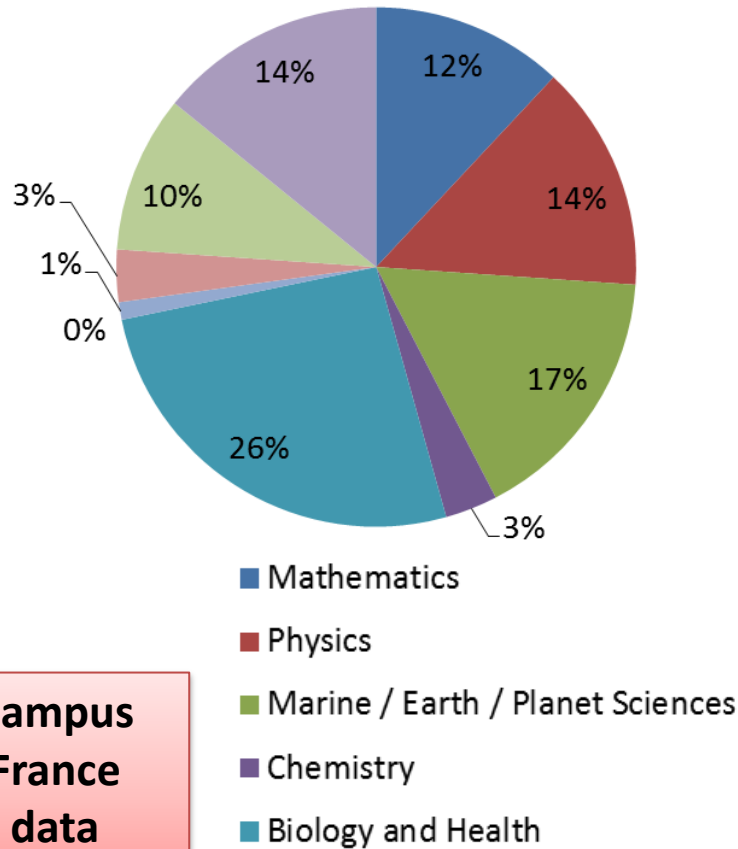
■ > 3 months

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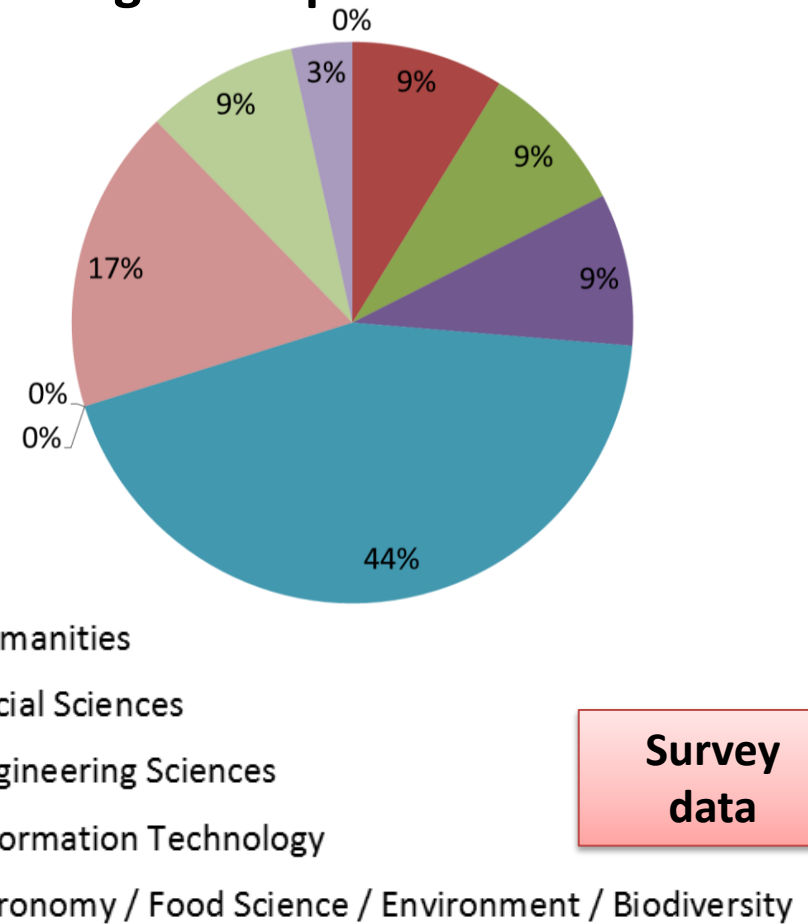
Scientific production

SCIENTIFIC OUTPUT (1/2)

Number of funded projects : **92** Percentage of copublications



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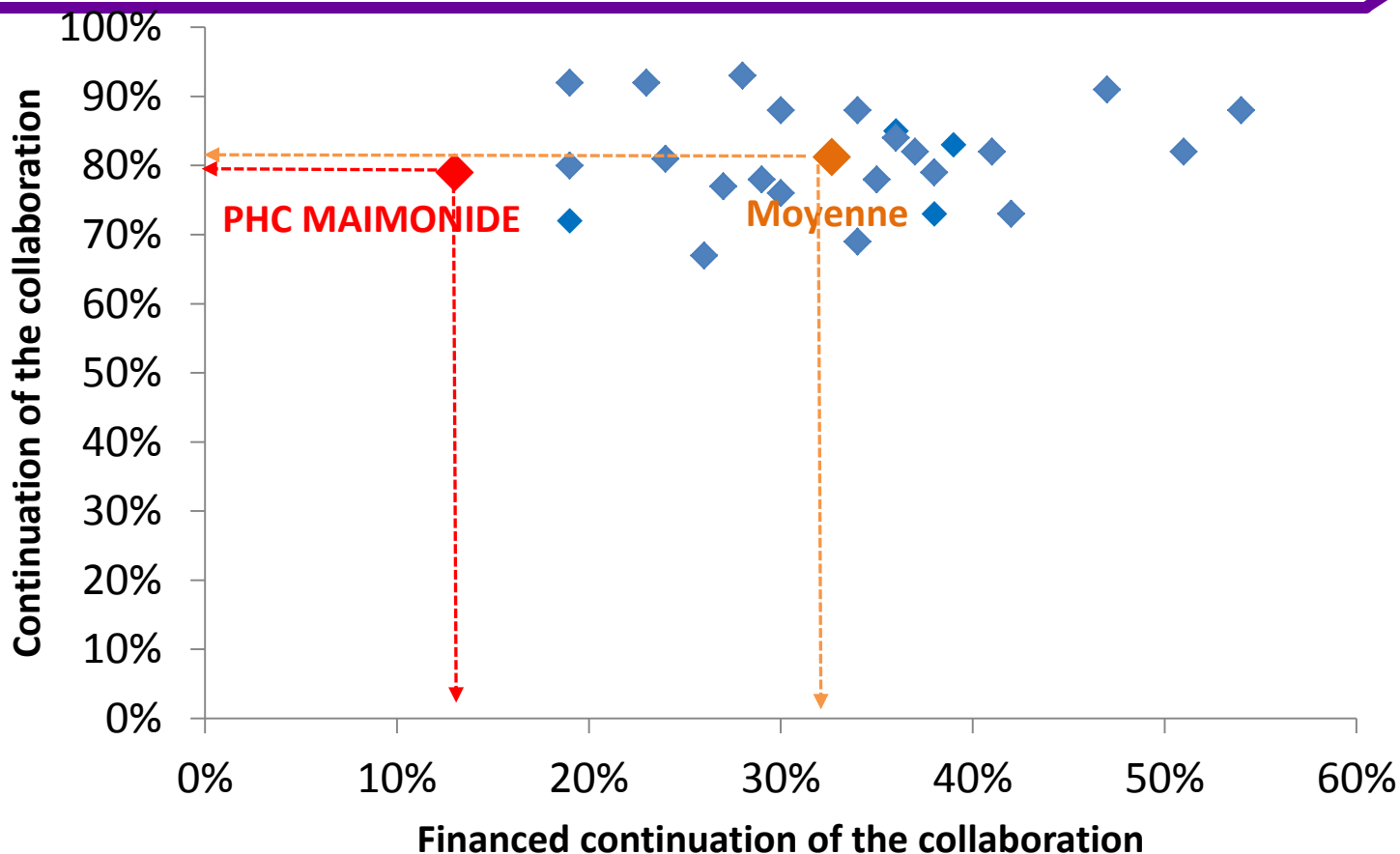
SCIENTIFIC OUTPUT (2/2)

64% of funded projects led to one copublication at least
44% of copublications include at least 1 PHD or PostDoc

	Number of funded projects by thematic area	Ratio of funded projects by thematic area	Number of copublications	Ratio of copublications by thematic area	Ratio of funded projects by thematic area that led to one copublication at least	Copublication rate per project
Mathematics	3	11%	0	0%	0%	0,0
Physics	2	7%	5	9%	50%	2,5
Marine / Earth / Planet Sciences	4	14%	5	9%	50%	1,3
Chemistry	2	7%	5	9%	100%	2,5
Biology and Health	8	29%	25	44%	63%	3,1
Humanities	0	0%	0	0%	0%	0,0
Social Sciences	0	0%	0	0%	0%	0,0
Engineering Sciences	3	11%	10	18%	100%	3,3
Information Technology	3	11%	5	9%	100%	1,7
Agronomy / Food Science / Environment / Biodiversity	3	11%	2	4%	67%	0,7
TOTAL	28	100%	57	100%	64%	2,0

What happens after a PHC Maimonide project ?

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

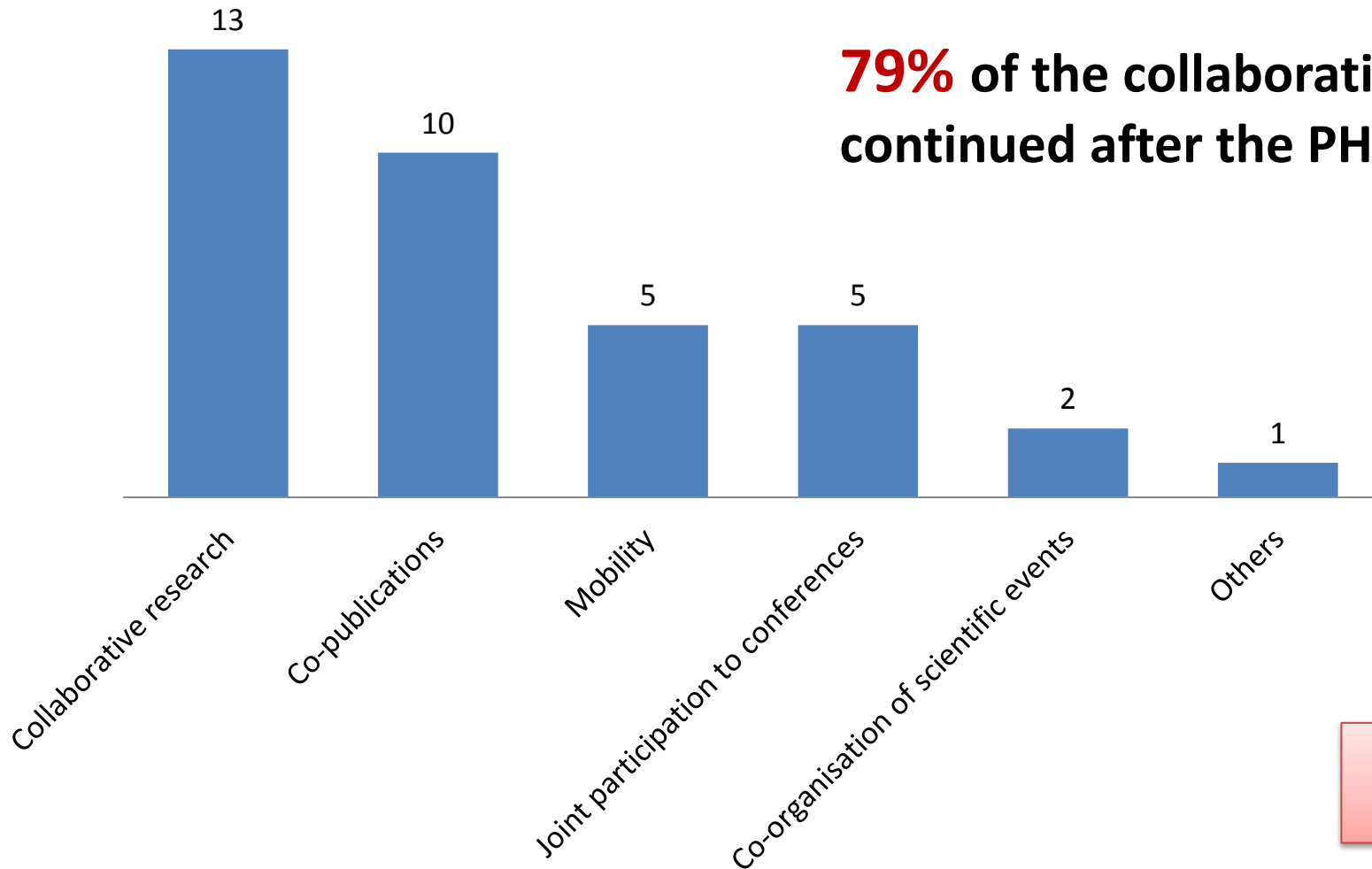


Continuation of the collaboration : **79% vs 81% mean**

Continuation of the collaboration with other sources of subvention : **13% vs 33% mean**

CONTINUATION OF THE COLLABORATION

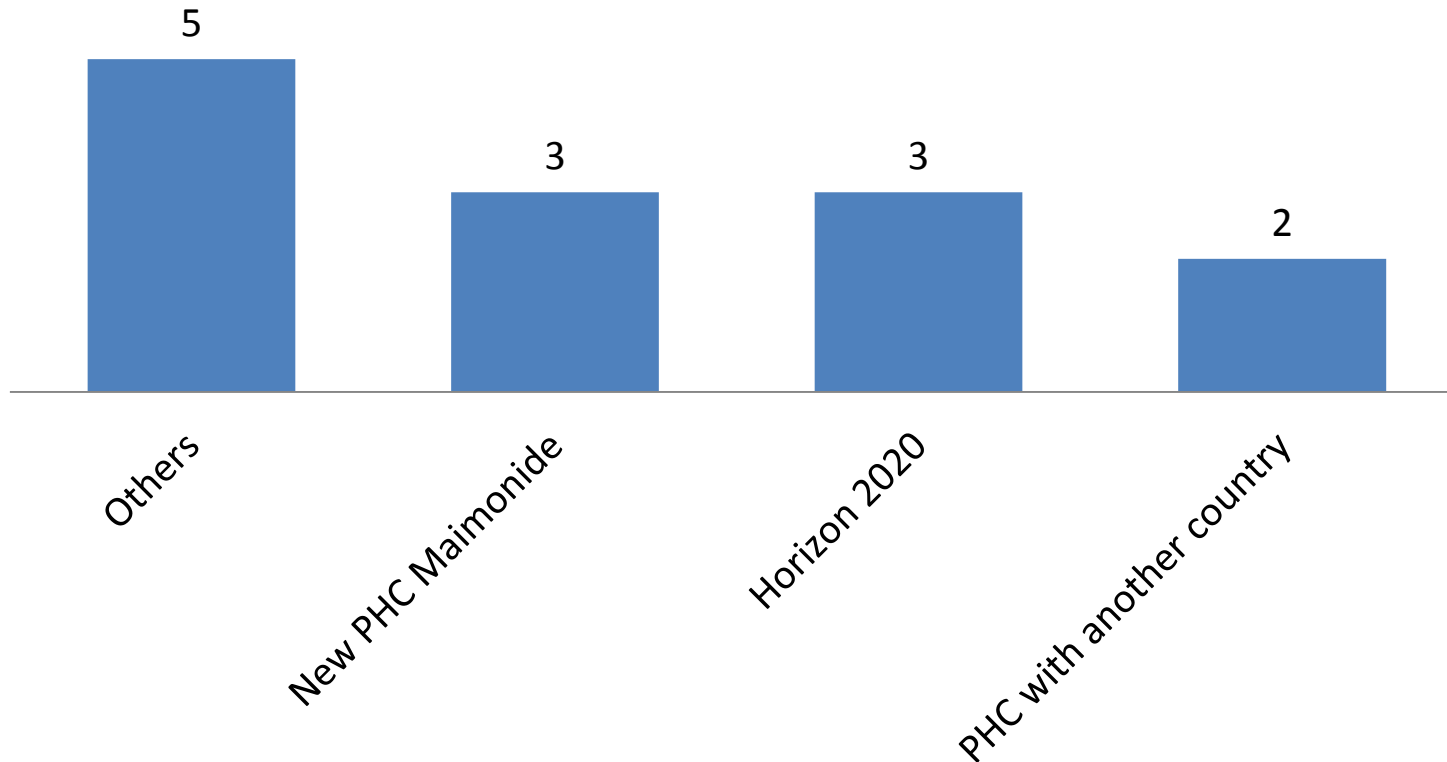
79% of the collaborations continued after the PHC



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CONTINUATION OF THE COLLABORATION

13% of funded
collaborations after the PHC



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CONTINUATION OF THE COLLABORATION

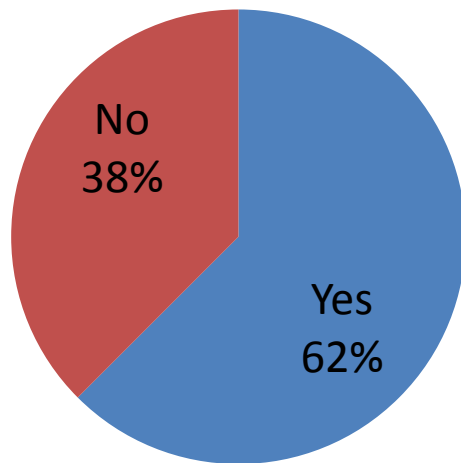
**Did the program Maimonide
lead to the establishment of
joint structures?**

→ 100% answered “No”

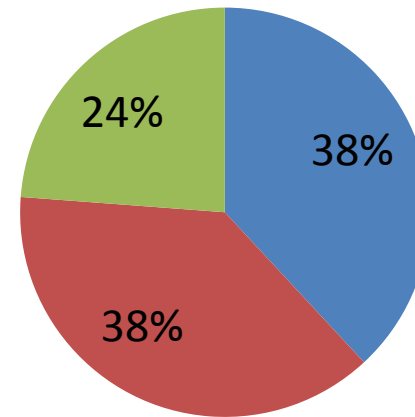
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IMPACT ON YOUNG RESEARCHERS' CAREER

% of young researchers whose career was impacted by the PHC program



Type of impacts



- Academic job
- Post-PhD
- Job in a private company

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PRELIMINARY CONCLUSIONS

Preliminary conclusions suggest that the funding scheme has efficiently contributed to create (or to maintain) fruitful and long-term cooperation (79 % of further scientific collaborations)

- + Average number of co-publications per project is good.**
- + Co-publication rate (funded projects that led to one co-publication at least) is good.**
- + Ratio of copublications by young researchers is very good**

PRELIMINARY RECOMMENDATIONS

RECOMMENDATIONS

- Promote PhD students involvement (only 60 % of projects integrate PhD students)
- Promote young researchers mobility (represents less than 30% of total mobility)
- Promote women's projects selection
- Promote scientific output in Mathematics, Humanities and Social sciences (0 copublications)
- Promote scientific co-publications (36% of projects with no co-publications)
- Promote young researchers co-publications (56% of co-publications are done without any young researcher)

CONCLUSIONS

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

Preliminary conclusions suggest that the funding scheme is efficiently contributing to creating (maintaining) fruitful and long term cooperation.

Thank you for your attention

Contacts

christophe.delacourt@recherche.gouv.fr
stephane.delaporte@recherche.gouv.fr
robert.gardette@recherche.gouv.fr