FRANCE – NETHERLANDS
PHC VAN GOGH 20 YEARS ANNIVERSARY

Scientific impact of the program (2005-2016)

MESRI-DAEI / MEAE

2018

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

Liberté • Égalité • Fraternité
RÉPUBLIQUE FRANÇAISE
MINISTÈRE
DE L'ENSEIGNEMENT SUPÉRIEUR,
DE LA RECHERCHE
ET DE L'INNOVATION

GENERAL PRESENTATION OF THE PROGRAMME

Creation : 1997

Total budget (France + Netherlands) : around 86 000 € / year

>> including budget from France : 43 000 € / year *

>> including budget from Netherlands : same € / year

Number of new projects per year : around 15

From 2005-2016:

367 applications submitted

133 projects funded

DATA SOURCES

Campus France

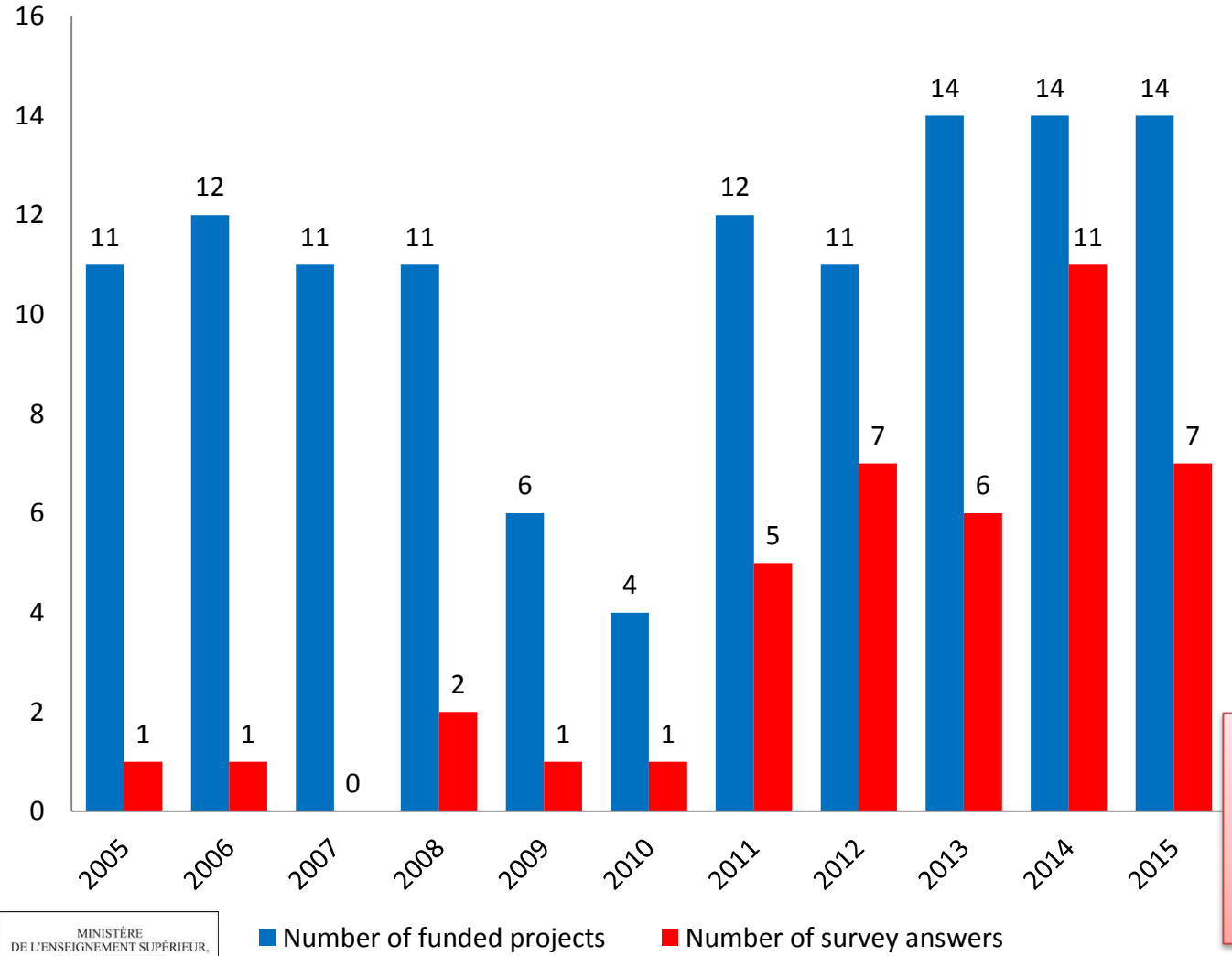
- Informations about applications to the PHC Van Gogh program
- List of mobilities (France to Netherlands)

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

- Target : Principal Investigators of selected projects between 2005 and 2015
- Survey duration : 2,5 month between **January and March 2017**, focusing on the projects funded between 2005 and 2015
- **35%** response ratio *(42 respondents for 120 funded projects)*

ANSWERS TO THE SURVEY

Average response rate to the survey : 35 % (42 answers)



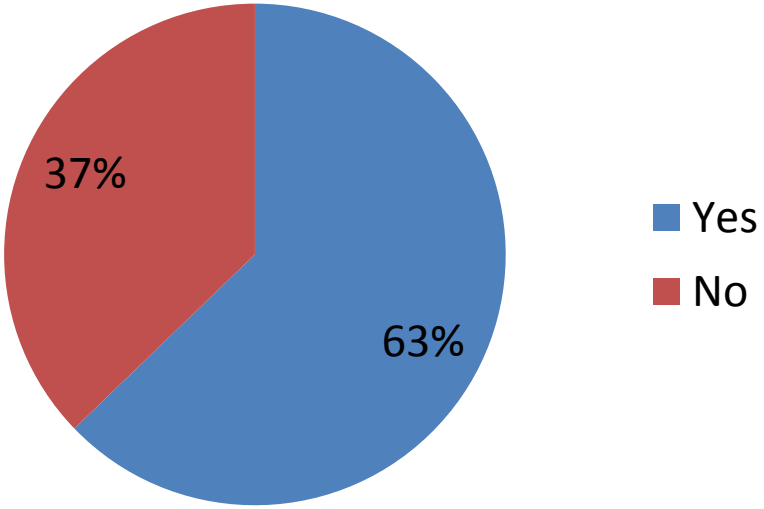
Campus France & Survey data

MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR, DE LA RECHERCHE ET DE L'INNOVATION

2005-2016
Key Points

Before this PHC VAN GOGH programme

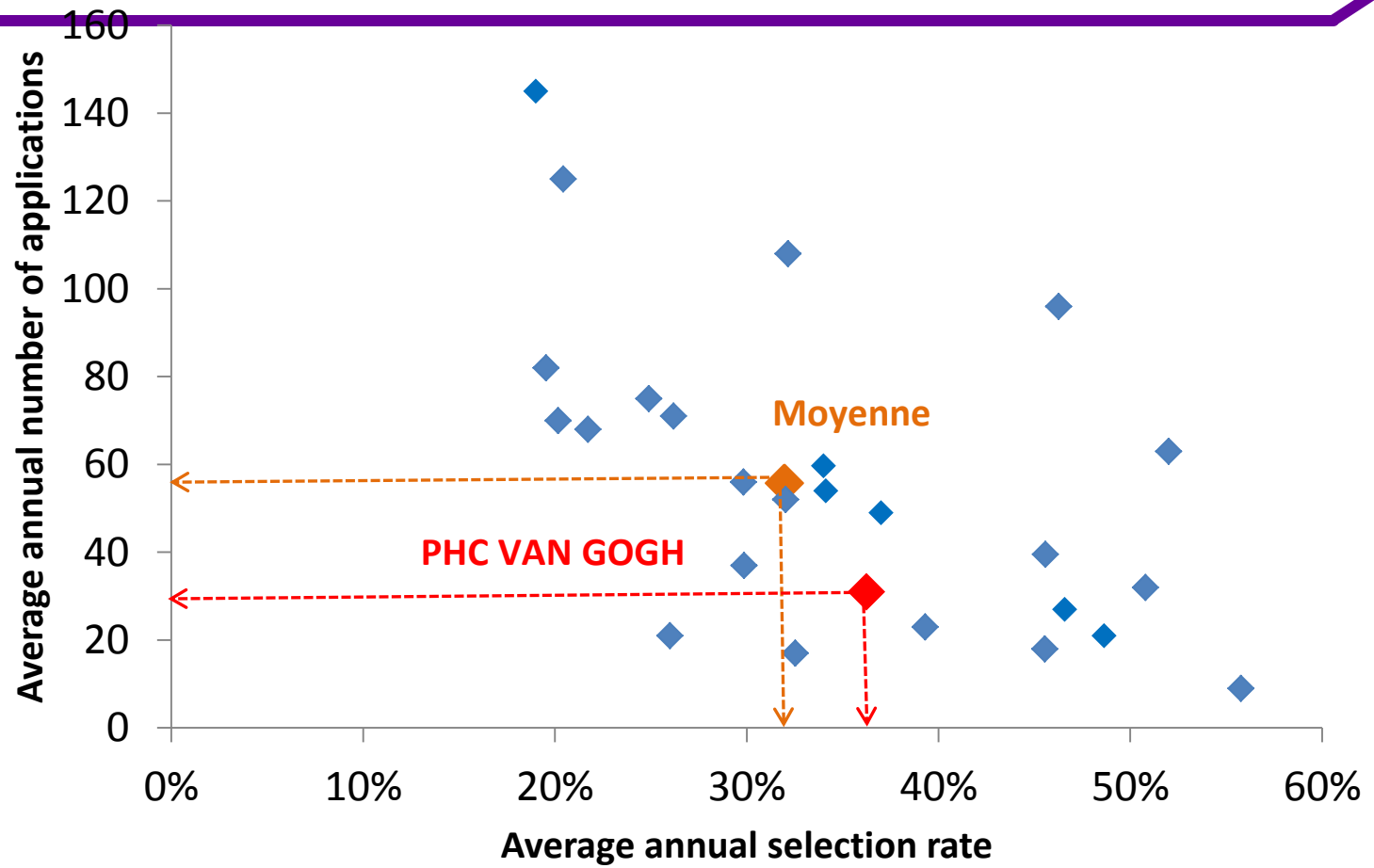
Have you already worked with this Dutch partner in the past?



Survey data

NUMBER OF APPLICATIONS VS SELECTION RATE

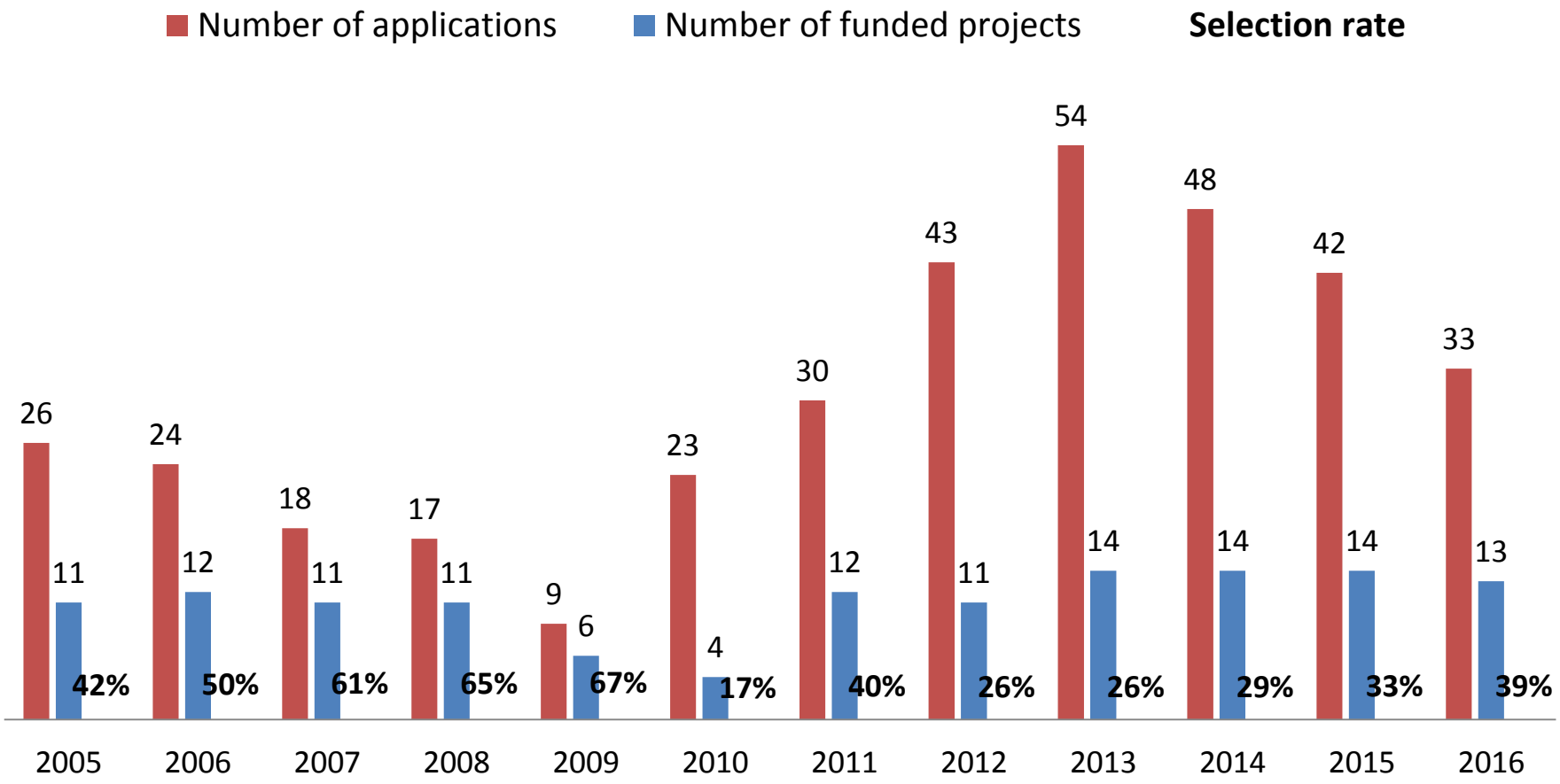
(COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)



Average selection rate for 2005-2016 : 36% vs 32% mean
Average number of applications 2005-2016 : 31 vs 56 mean

SUCCESS RATE

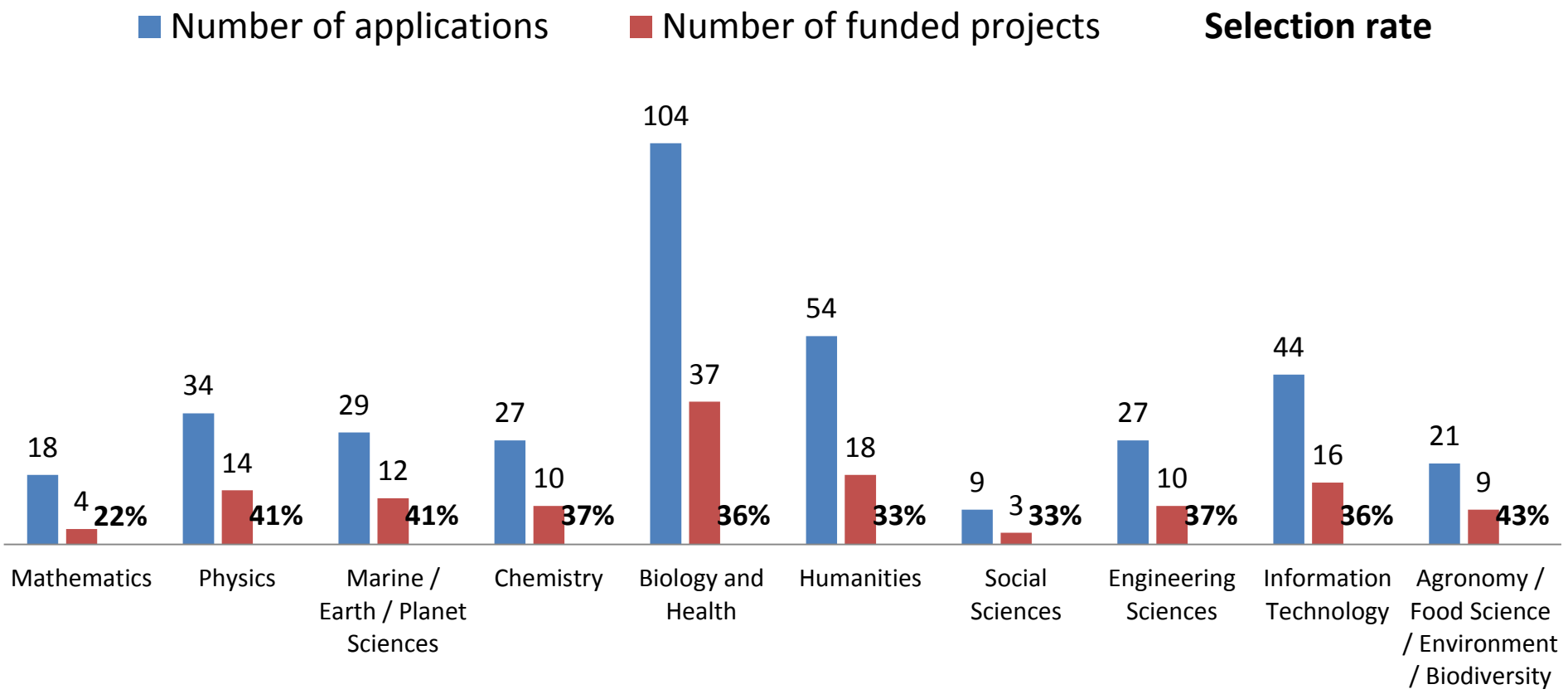
Average selection rate from 2005-2016: 36 %



Campus France data

MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR, DE LA RECHERCHE ET DE L'INNOVATION

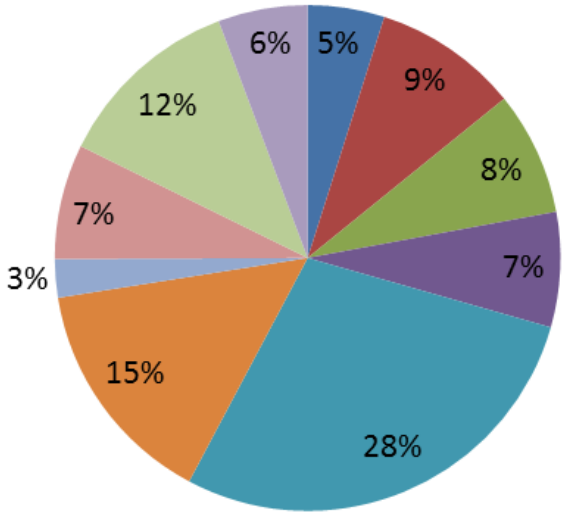
SCIENTIFIC DOMAINS



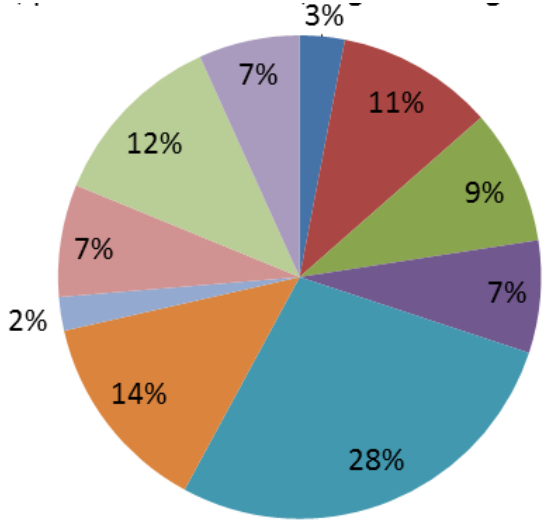
Campus France data

SCIENTIFIC DOMAINS OF PROJECTS

Number of applications : 367



Number of funded projects : 133

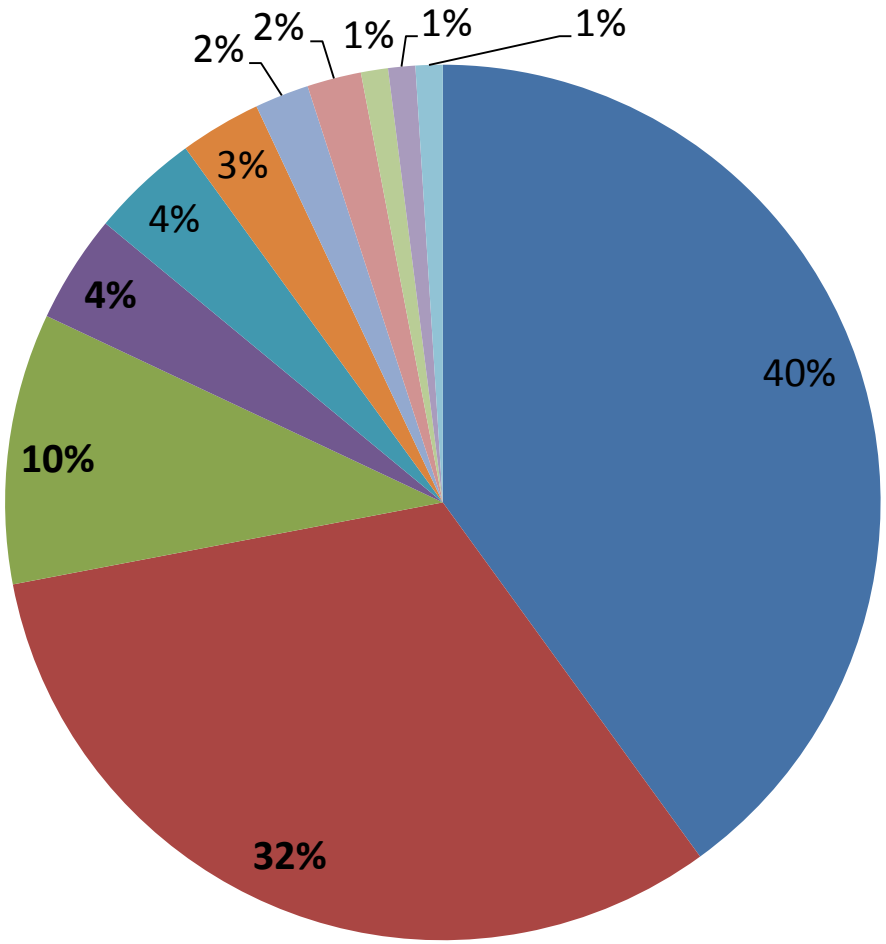


Campus France data

- Mathematics
- Physics
- Marine / Earth / Planet Sciences
- Chemistry
- Biology and Health
- Humanities
- Social Sciences
- Engineering Sciences
- Information Technology
- Agronomy / Food Science / Environment / Biodiversity

MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR, DE LA RECHERCHE ET DE L'INNOVATION

MAIN FRENCH PARTICIPATING INSTITUTIONS (LABORATORIES)

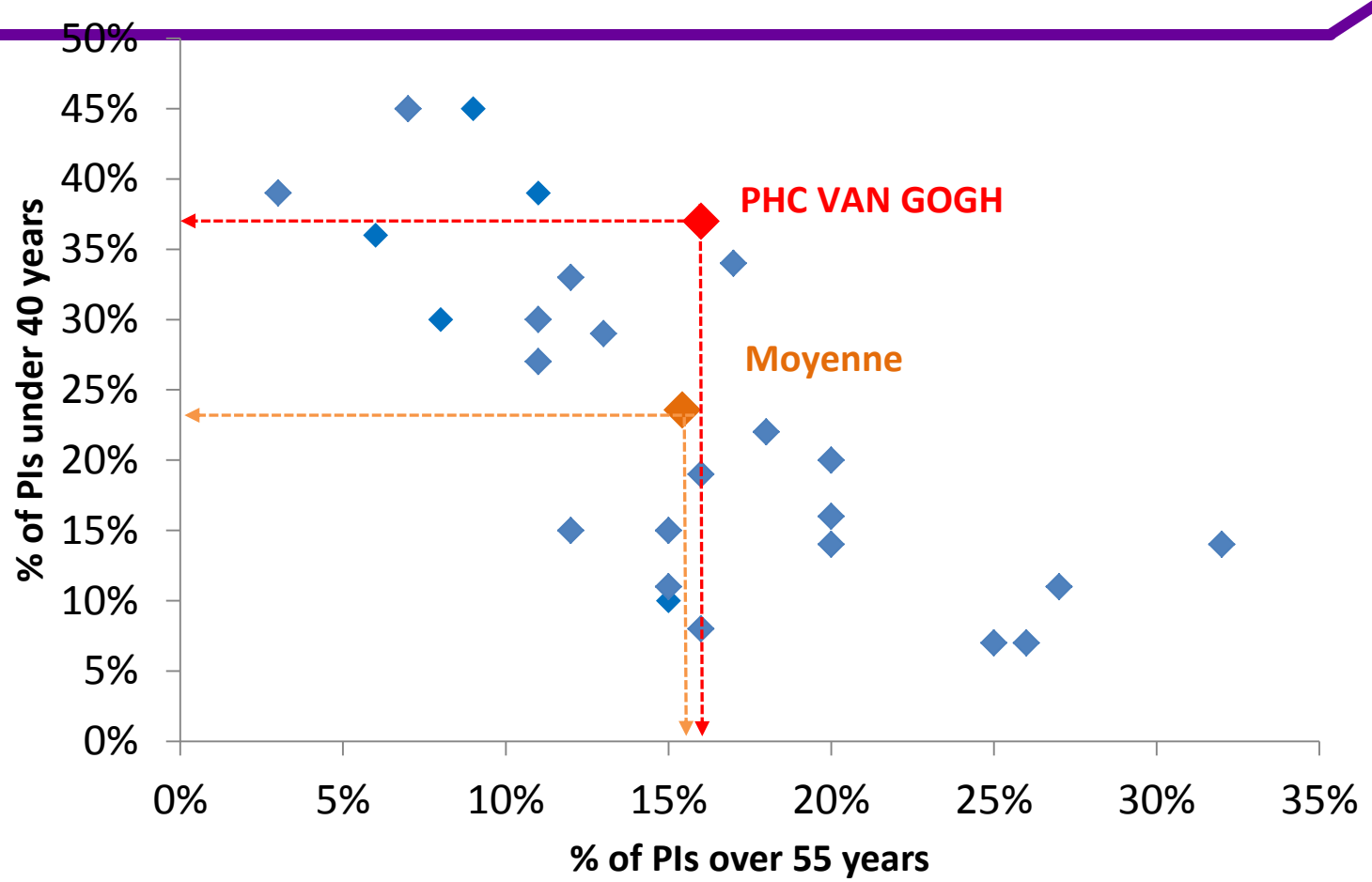


- **Université**
- **CNRS**
- **Ecole ingénieur**
- **INSERM**
- ENS
- Observatoire de Paris
- INRA
- CEA
- Institut Pasteur
- INRIA
- IRD

Survey data

AGE OF PRINCIPAL INVESTIGATORS (PI)

(COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)



PIs under 40 years : 37% vs 24% mean

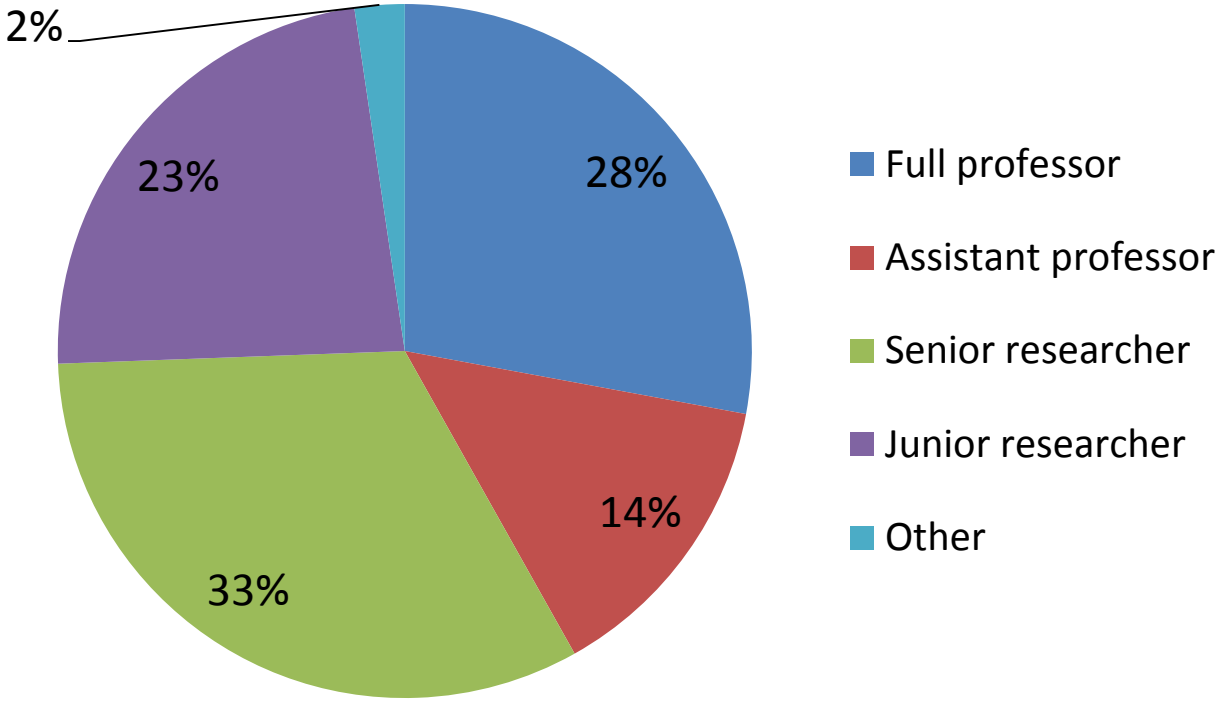
PIs over 55 years : 16% vs 15% mean

47% of the PIs are between 40 and 55 years

MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR, DE LA RECHERCHE ET DE L'INNOVATION

FRENCH PIS (PRINCIPAL INVESTIGATORS) : STATUS

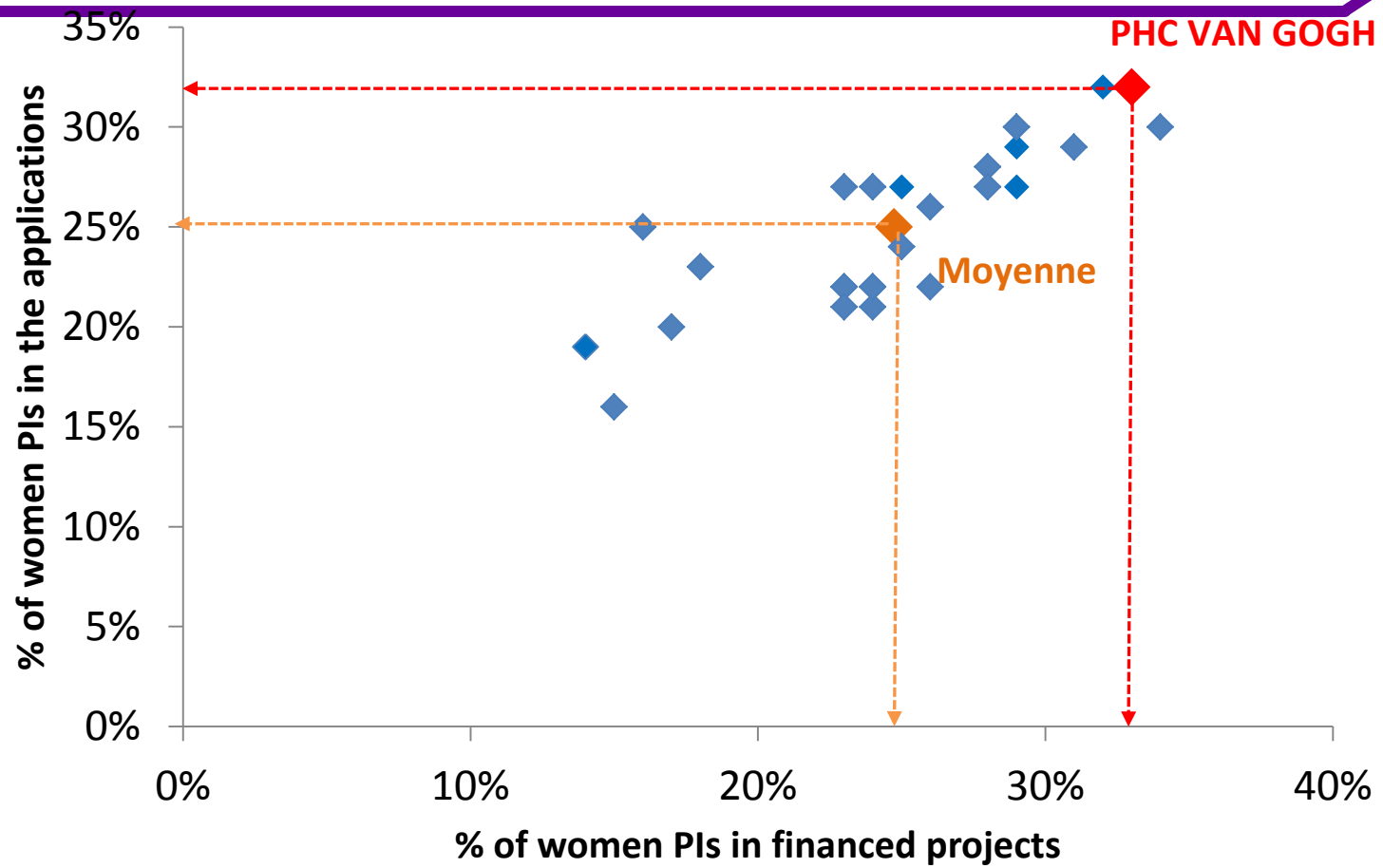
Present professional status



Survey data

IMPLICATION OF WOMEN (FRANCE)

(COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)



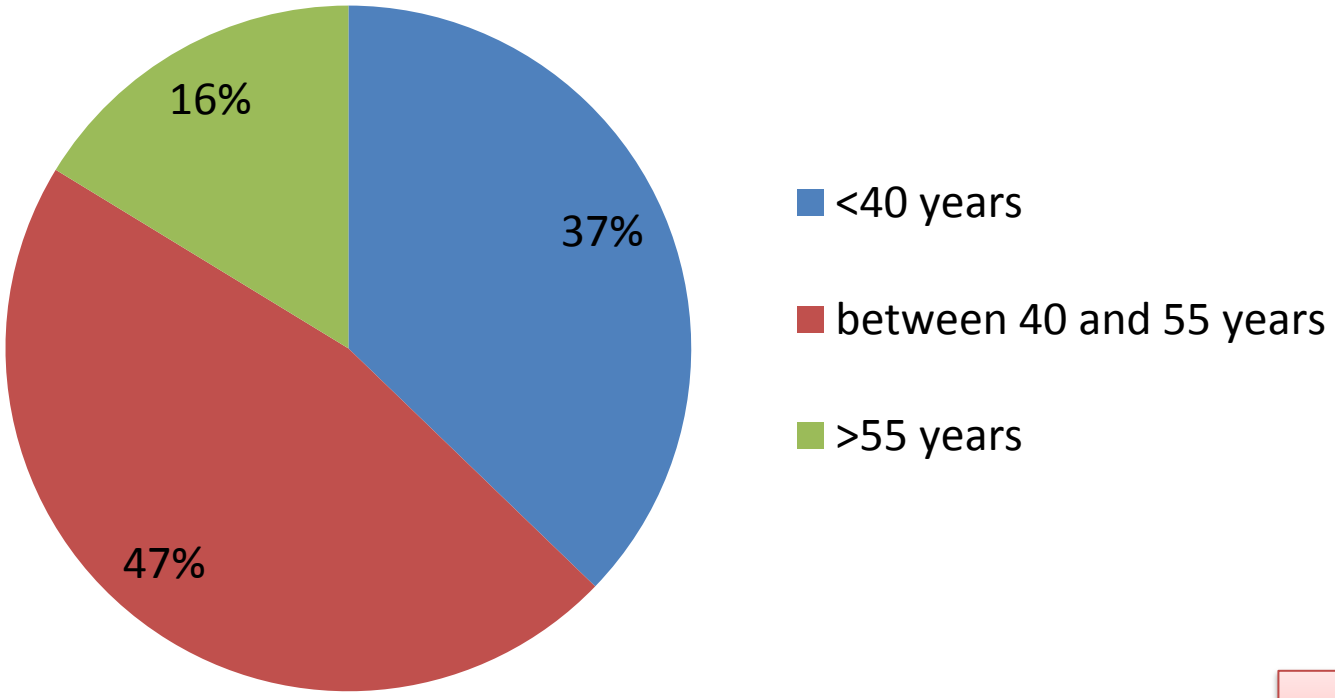
% of women PIs in the applications : 32% vs 25% mean

% of women PIs in the selected projects : 33% vs 25% mean

MINISTÈRE
DE L'ENSEIGNEMENT SUPÉRIEUR,
DE LA RECHERCHE
ET DE L'INNOVATION

PARTICIPATION OF YOUNG RESEARCHERS (1/3)

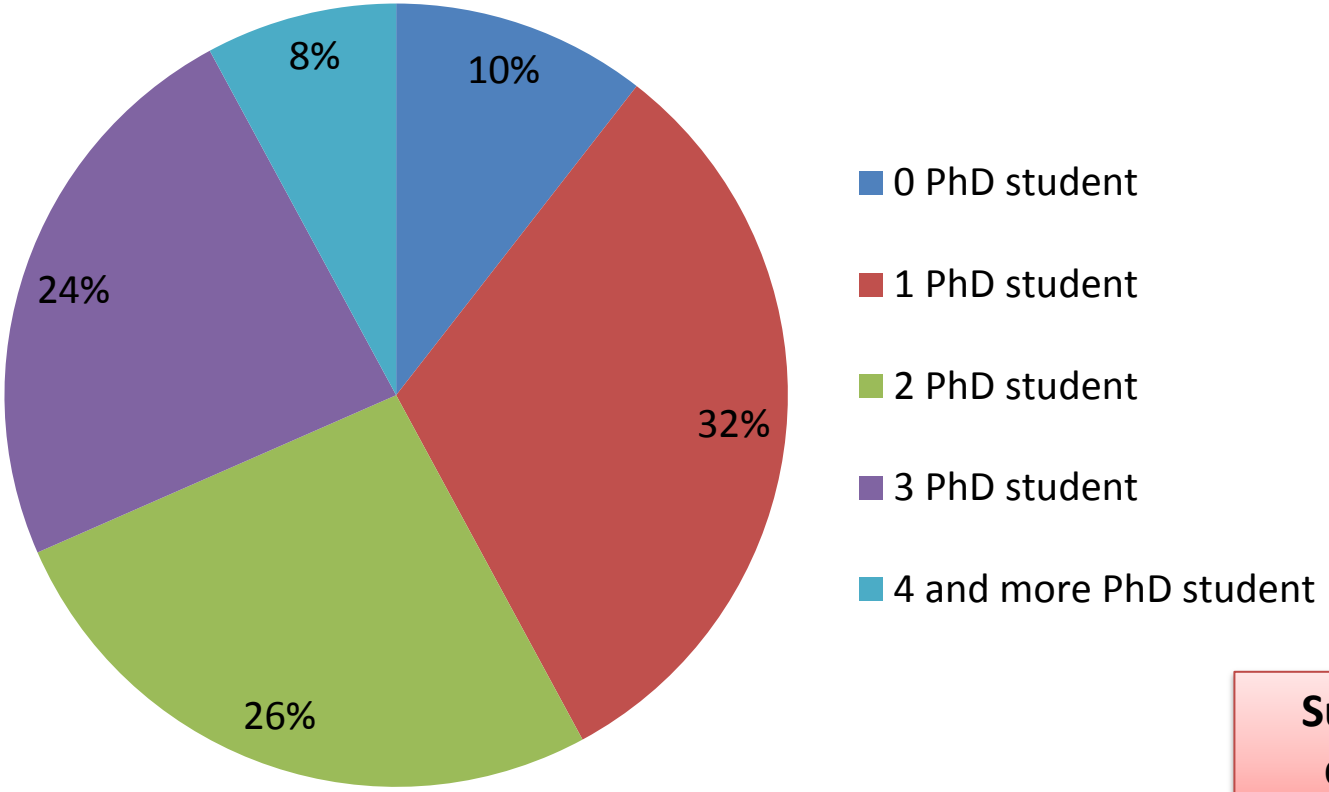
37 % of French PIs are young researchers



Survey data

PARTICIPATION OF YOUNG RESEARCHERS (2/3)

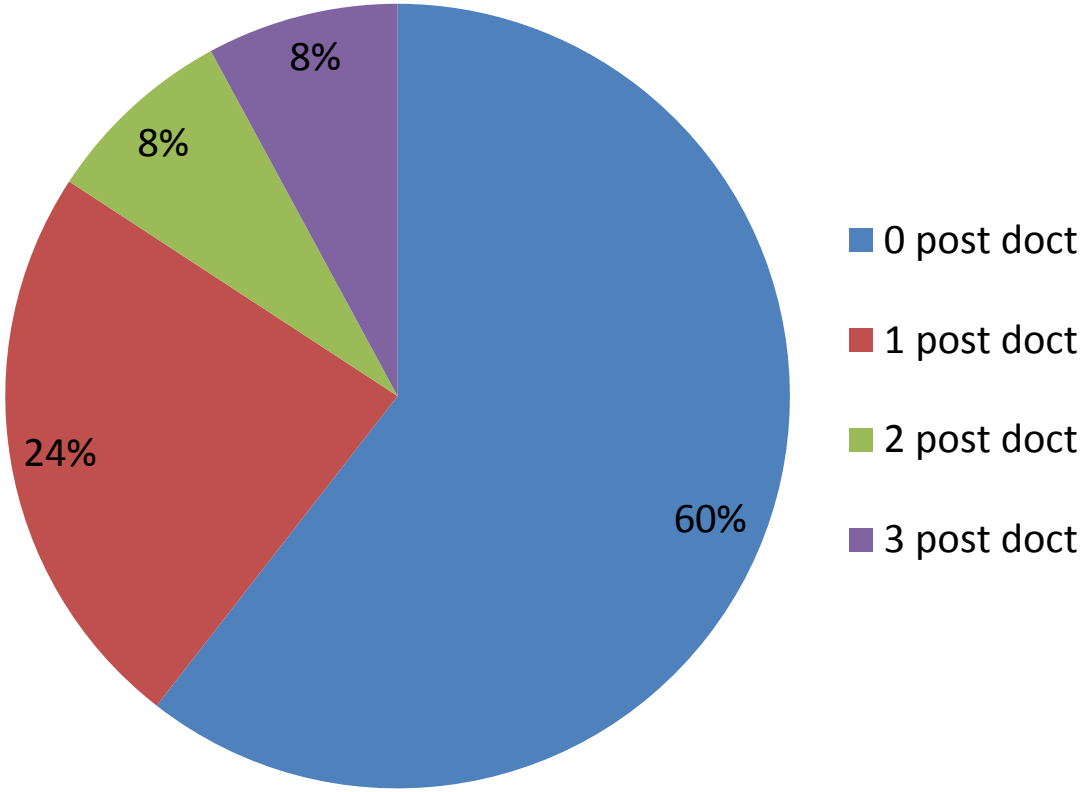
90 % of projects integrate PhD students



Survey data

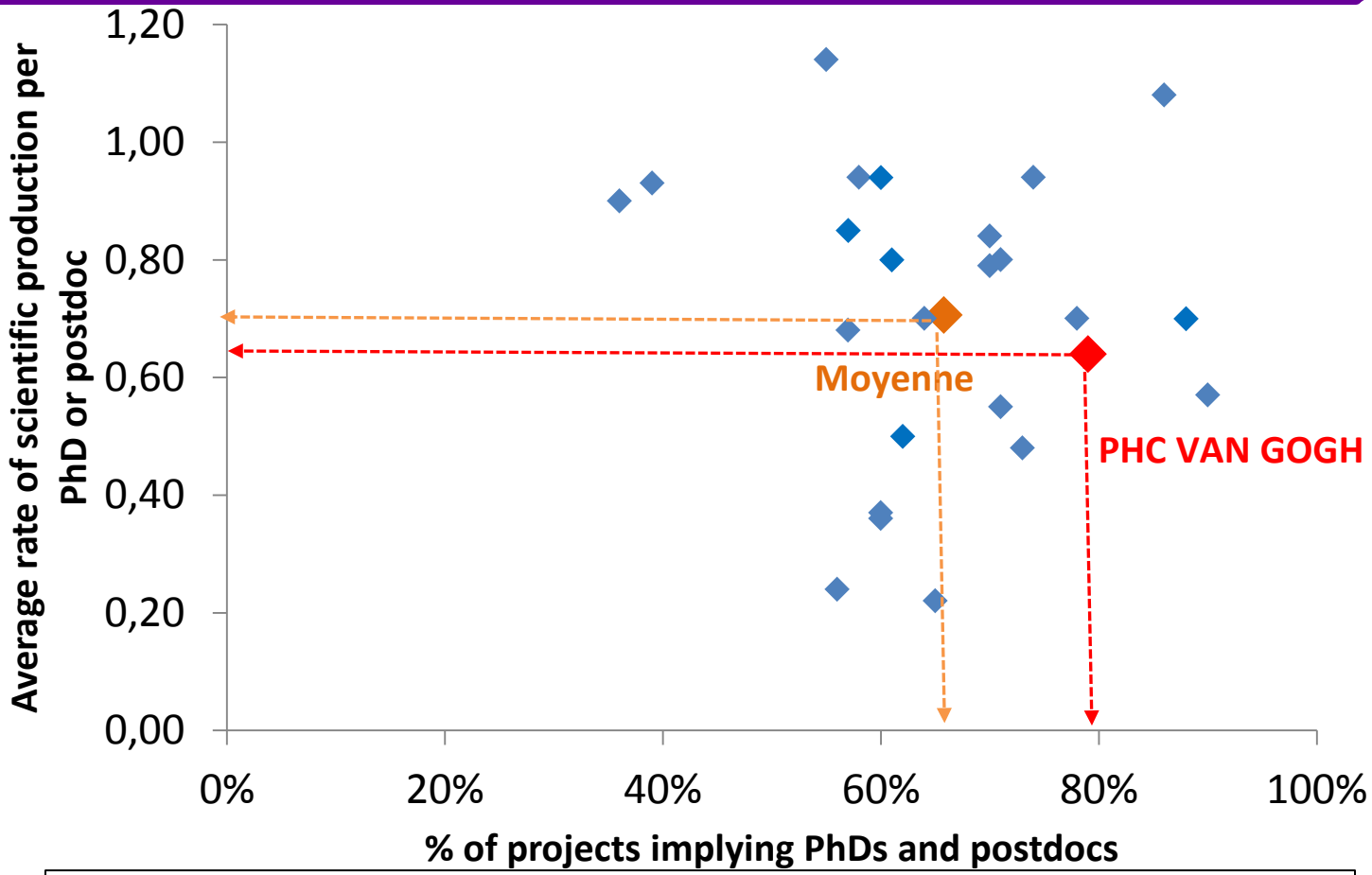
PARTICIPATION OF YOUNG RESEARCHERS (3/3)

40 % of projects integrate post-doctoral researchers



Survey data

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



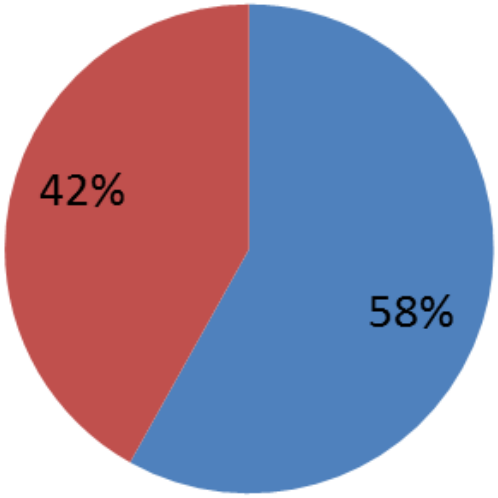
% of projects implying PhDs and Post-doc : 79% vs 66% mean
Average rate of scientific production per PhD : 0,64 vs 0,71 mean

MINISTÈRE
DE L'ENSEIGNEMENT SUPÉRIEUR,
DE LA RECHERCHE
ET DE L'INNOVATION

Mobility

MOBILITY : GENDER

France → Netherlands



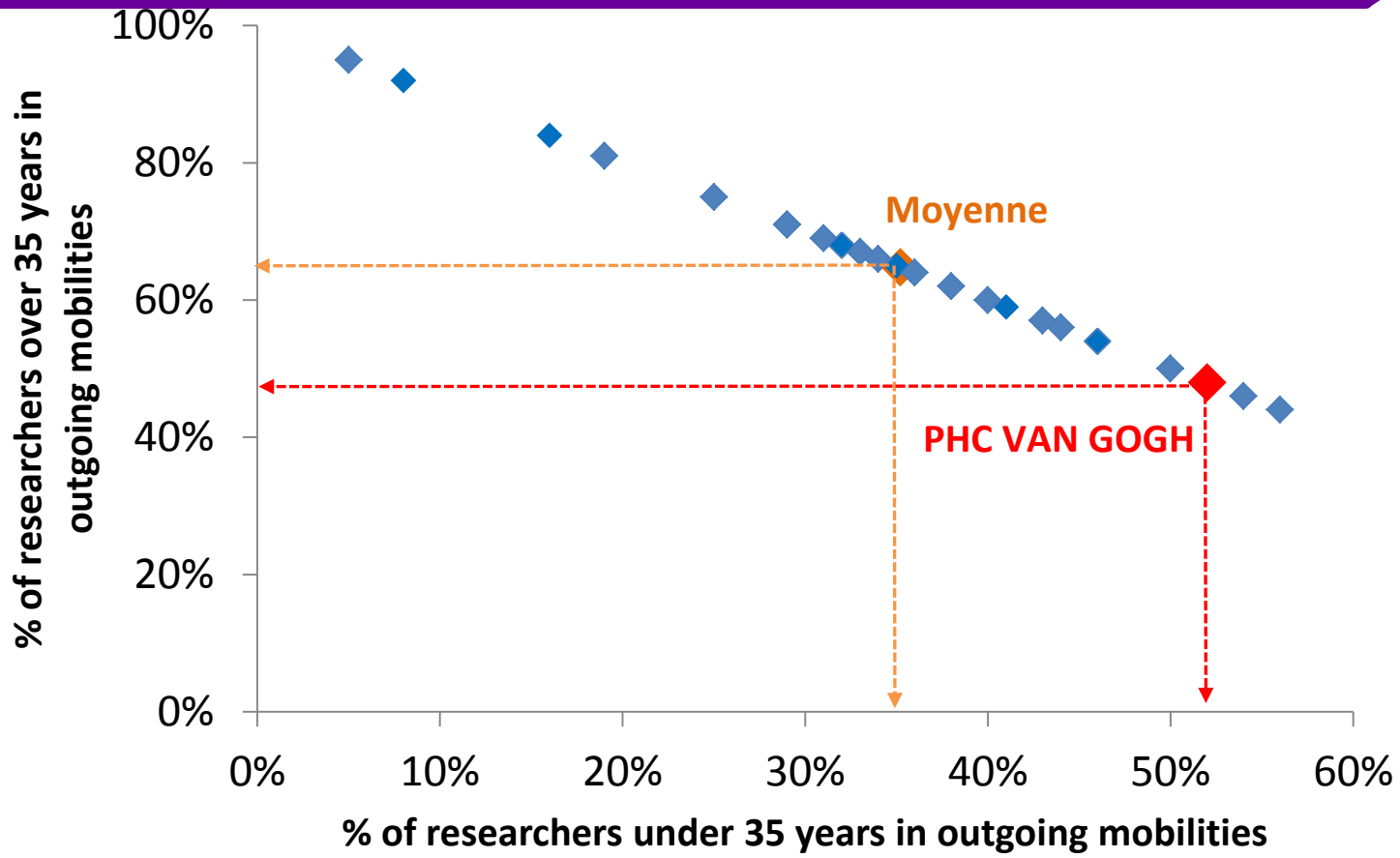
Netherlands → France

No data available

Campus France data

MOBILITY FRANCE – NETHERLANDS

(COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)

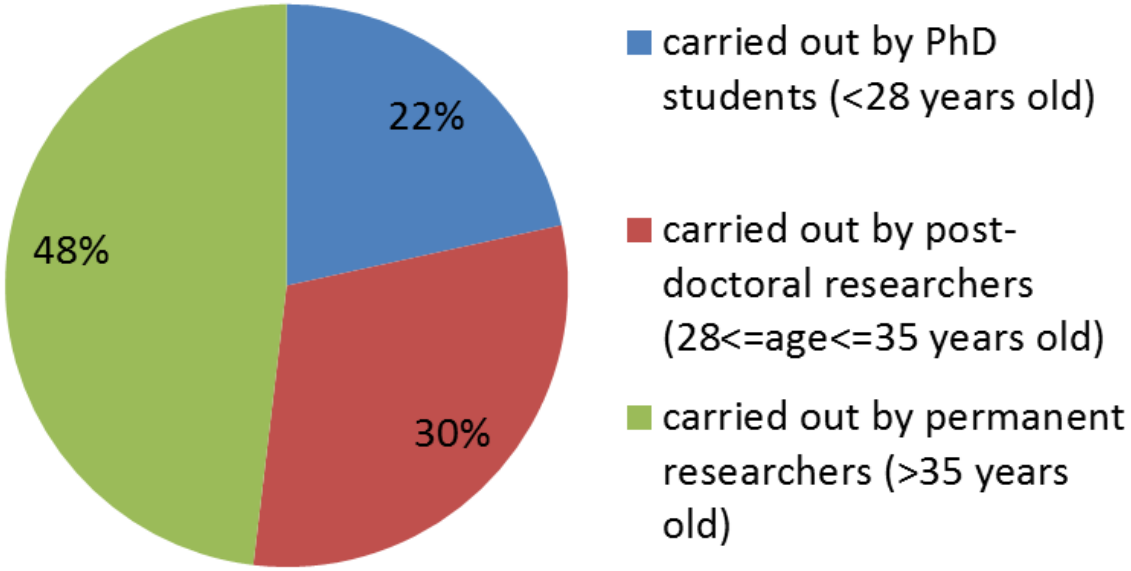


% of french young researchers in outgoing mobilities : 52% vs 35% mean

MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR, DE LA RECHERCHE ET DE L'INNOVATION

MOBILITY : STATUS

France → Netherlands



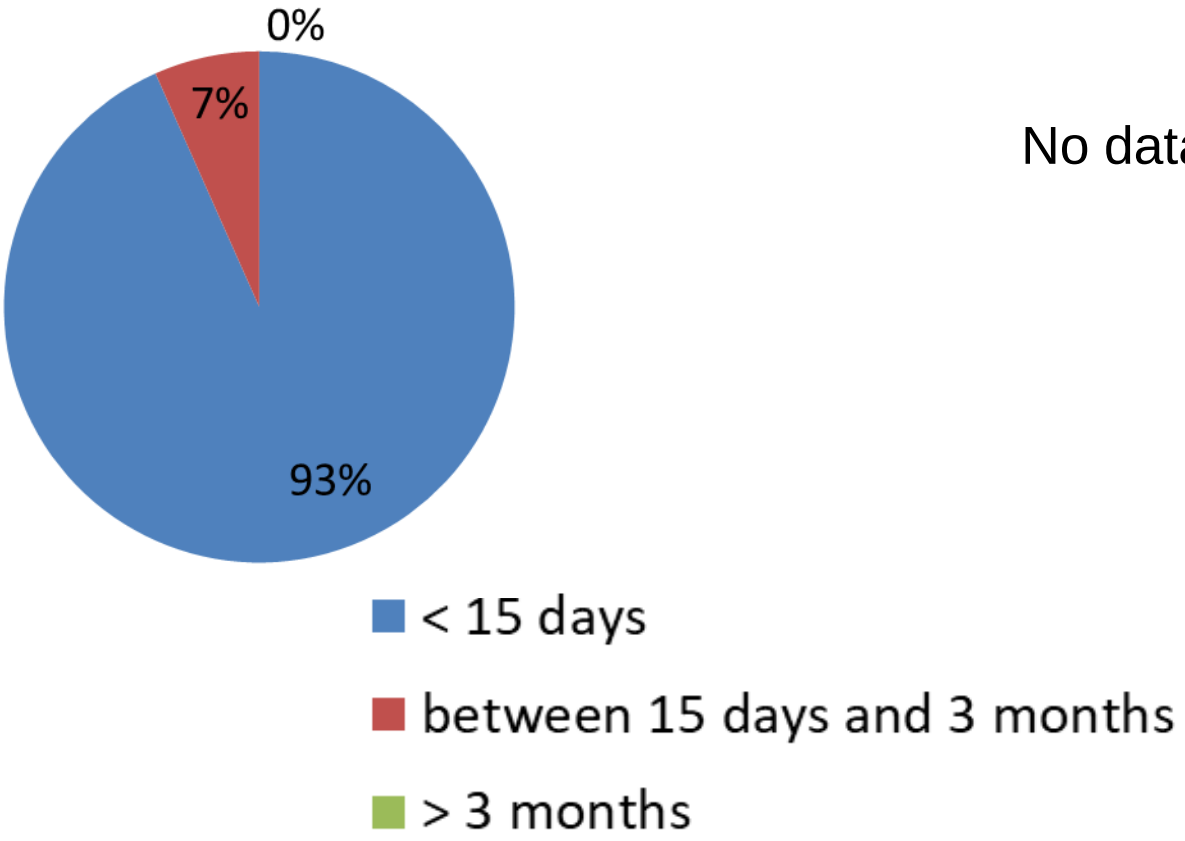
Netherlands → France

No data available

Campus France data

MOBILITY : DURATION

France → Netherlands



Netherlands → France

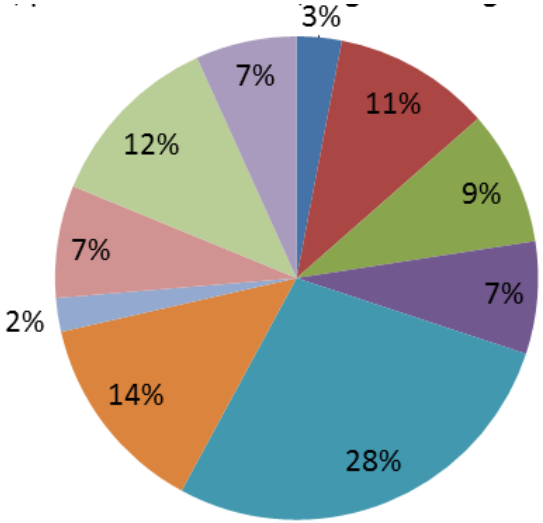
No data available

Campus France data

Scientific production

SCIENTIFIC OUTPUT (1/2)

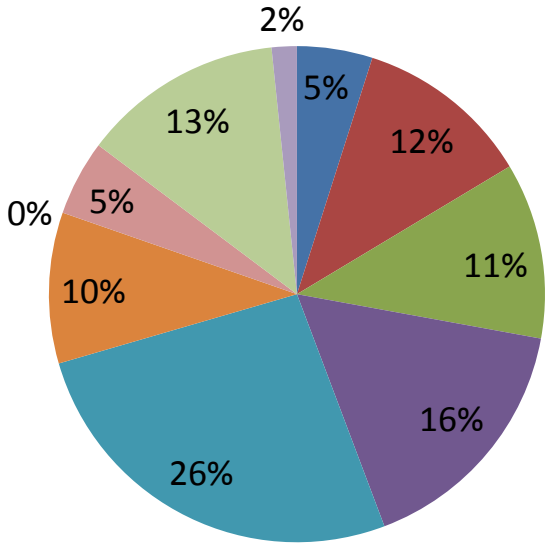
Number of funded projects : 133



- Mathematics
- Physics
- Marine / Earth / Planet Sciences
- Chemistry
- Biology and Health

Campus France data

Percentages of co-publications



- Humanities
- Social Sciences
- Engineering Sciences
- Information Technology
- Agronomy / Food Science / Environment / Biodiversity

Survey data

SCIENTIFIC OUTPUT (2/2)

69% of funded projects led to one co-publication at least

62% of copublications include at least 1 PHD or PostDoc

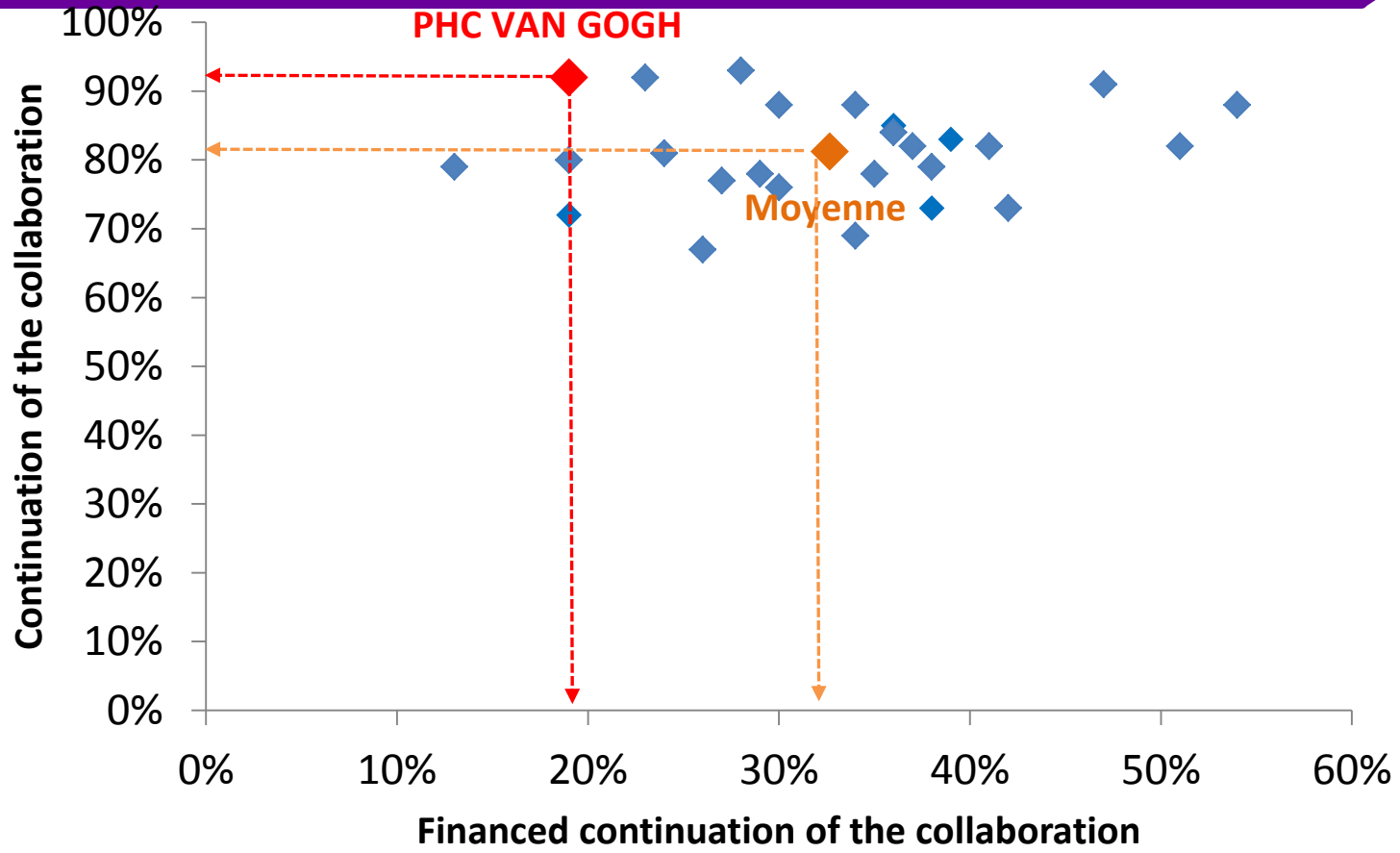
	Number of funded projects by thematic area	Ratio of funded projects by thematic area	Number of co-publications	Ratio of co-publications by thematic area	Ratio of funded projects by thematic area that led to one co-publication at least	Mean number of co-publications per project
Mathematics	1	3%	3	5%	**100%**	**3,0**
Physics	4	11%	7	11%	**100%**	**1,8**
Marine / Earth / Planet Sciences	5	14%	7	11%	**40%**	**1,4**
Chemistry	3	8%	10	16%	**100%**	**3,3**
Biology and Health	10	28%	16	26%	**70%**	**1,6**
Humanities	4	11%	6	10%	**25%**	**1,5**
Engineering Sciences	3	8%	3	5%	**100%**	**1,0**
Information Technology	4	11%	8	13%	**75%**	**2,0**
Agronomy / Food Science / Environment / Biodiversity	2	6%	1	2%	**50%**	**0,5**
TOTAL	**36**	*100%*	**61**	*100%*	***69%***	**1,7**

MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR, DE LA RECHERCHE ET DE L'INNOVATION

Survey data

What happens after a PHC Van Gogh project ?

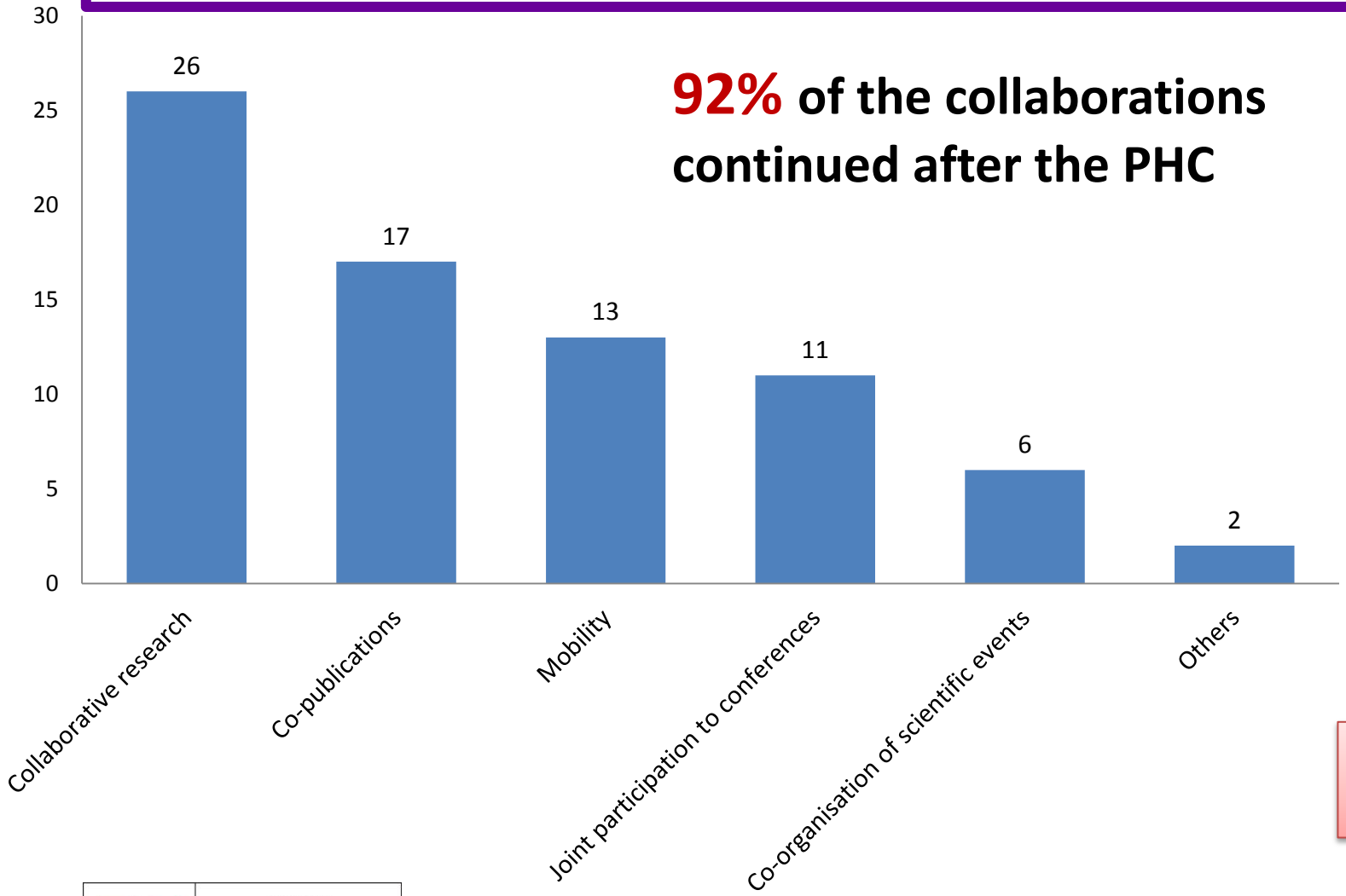
CONTINUATION OF THE COLLABORATION
(COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)



Continuation of the collaboration : 92% vs 81% mean

Continuation of the collaboration with other sources of subvention : 19% vs 33% mean

CONTINUATION OF THE COLLABORATION

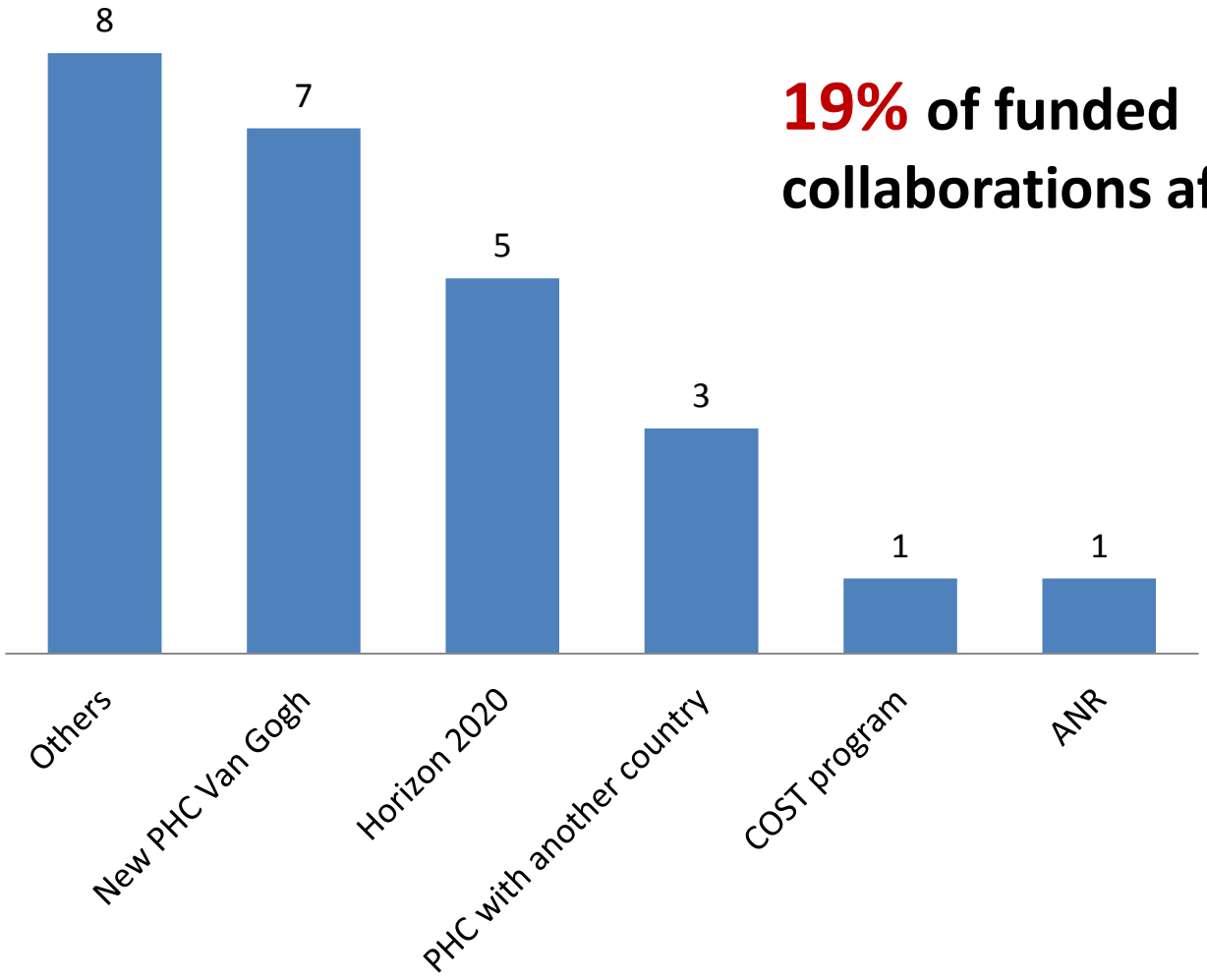


92% of the collaborations continued after the PHC

Survey data

MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR, DE LA RECHERCHE ET DE L'INNOVATION

CONTINUATION OF THE COLLABORATION



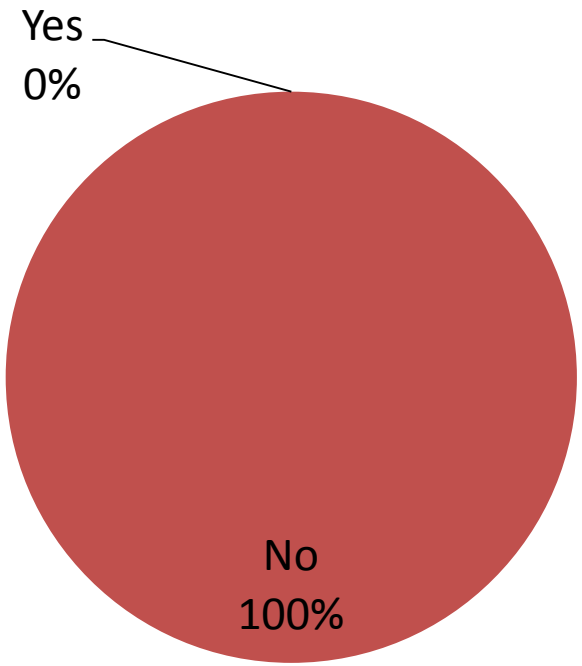
19% of funded collaborations after the PHC

Survey data

MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR, DE LA RECHERCHE ET DE L'INNOVATION

CONTINUATION OF THE COLLABORATION

Did the program Van Gogh lead to the establishment of joint structures?

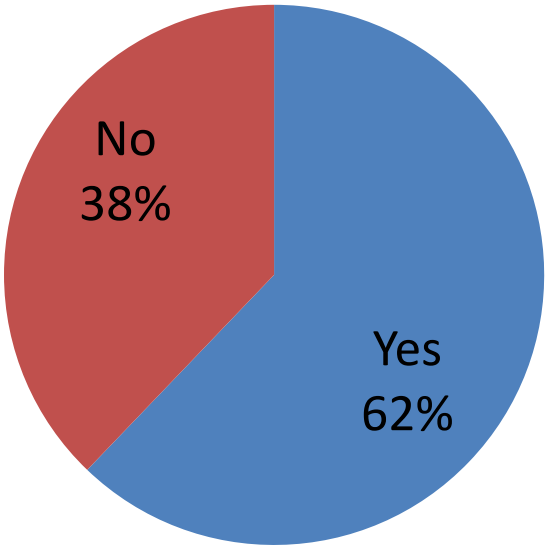


Survey data

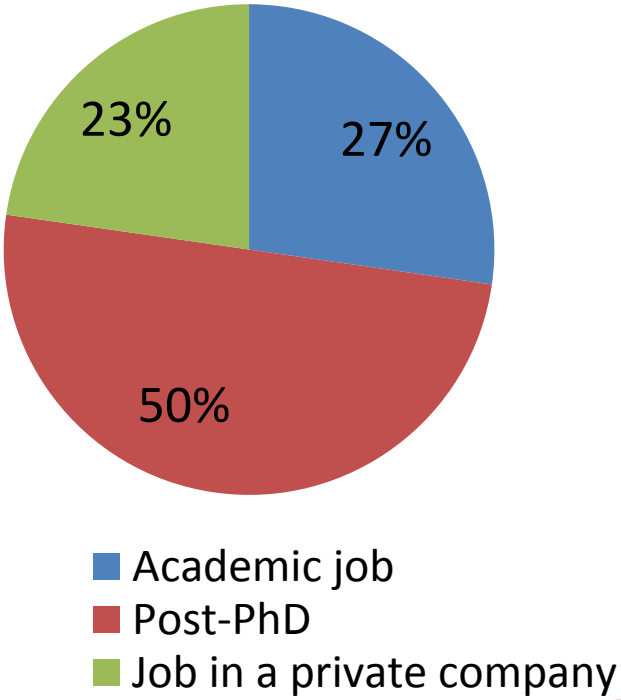
NB : 1 ERC Grant

IMPACT ON YOUNG RESEARCHERS' CAREER

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



Type of impacts



Survey data

PRELIMINARY CONCLUSIONS / RECOMMENDATIONS

CONCLUSIONS

- Top PHD students involvement (90 %)
- Very Good further scientific collaborations (92 %)
- Difficulties for obtaining financial support for further scientific collaborations (28 %)

RECOMMENDATIONS

- Promote scientific co-publications (31% of projects with no co-publications)
- Promote women applications
- Promote the establishment of joint structures
- Reflexion on new schemes for sustaining the collaboration could be carried out.

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

Contacts

christophe.delacourt@recherche.gouv.fr
robert.gardette@recherche.gouv.fr
guillaume.ravier@recherche.gouv.fr