

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



GENERAL PRESENTATION OF THE PROGRAMME

Creation: 1994

Total budget (France + Mexico) : around 580 000 € / year >> including budget from France : 290 000 € / year * >> including budget from Mexico : same € / year Number of new projects per year : ~ 10

> From 2007-2014: 281 applications submitted 87 projects funded



DATA SOURCES

ECOS North Mexico committee

- Informations about applications to the ECOS Nord Mexique program
- List of mobilities (France to Mexico)

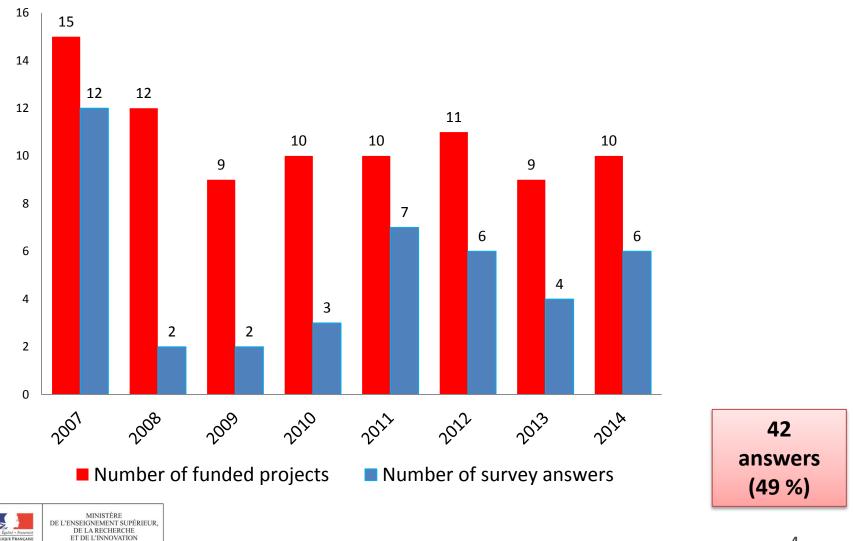
Survey (conducted by the French Ministry of Higher Education, Research and Innovation)

- Target : Principal Investigators of selected projects between 2007 and 2014
- Survey duration : 1 month between **February and March 2018**, focusing on the projects funded between 2007 and 2014
- 49% response ratio (42 respondents for 86 funded projects)



ANSWERS TO THE SURVEY

Average response rate to the survey : 49 % (42 answers)



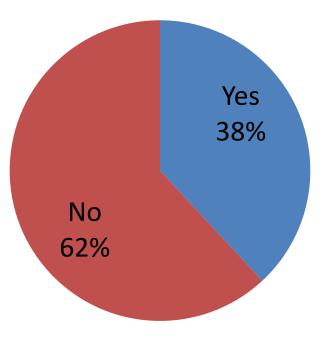
May 29 & 30th, 2018, Mexico city





BEFORE THIS ECOS NORD MEXIQUE PROGRAMME (1/2)

Participation to another cooperation program supported by France in Latin America before this ECOS North Mexico program

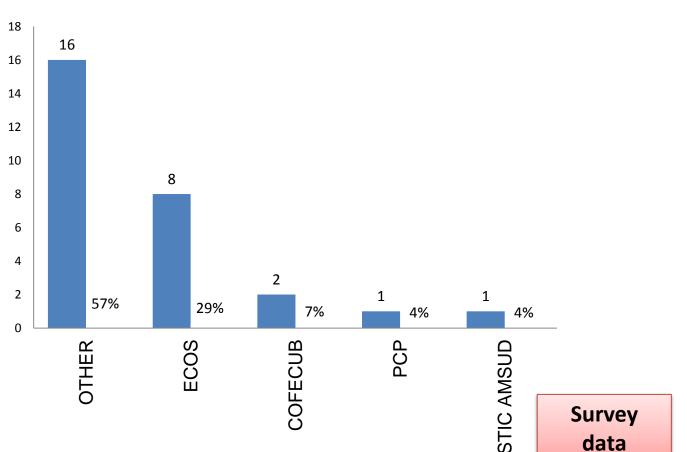


Survey data



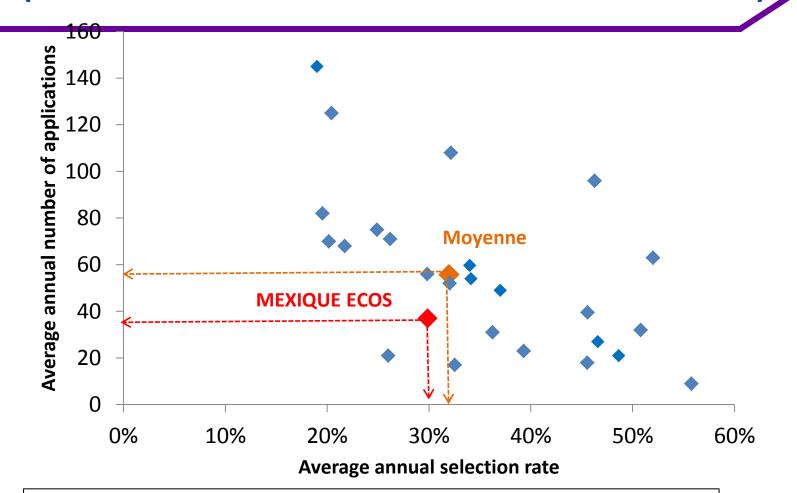
BEFORE THIS ECOS NORD MEXIQUE PROGRAMME (2/2)

Participation to another cooperation program supported by France in Latin America before this ECOS North Mexico program





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

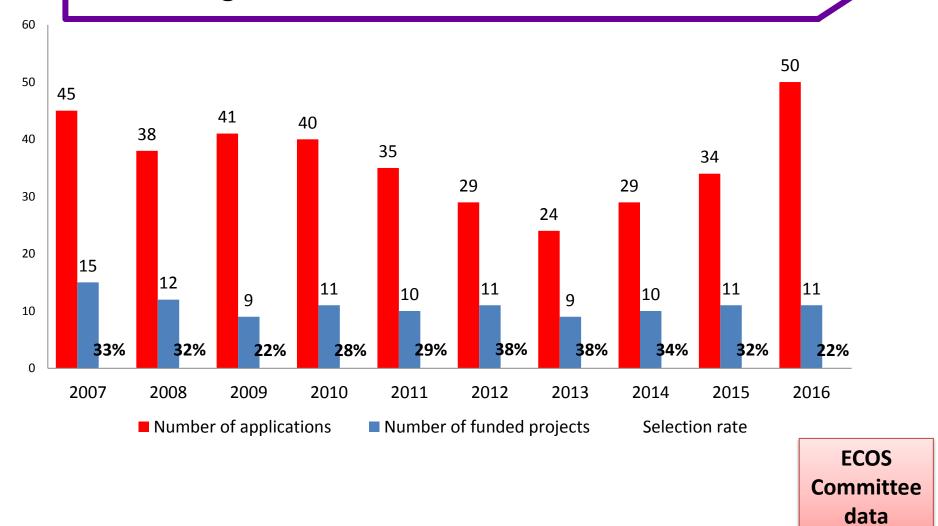


Average selection rate for 2007-2017 : 30% vs 32% mean Average number of applications 2007-2017 : 37 vs 56 mean

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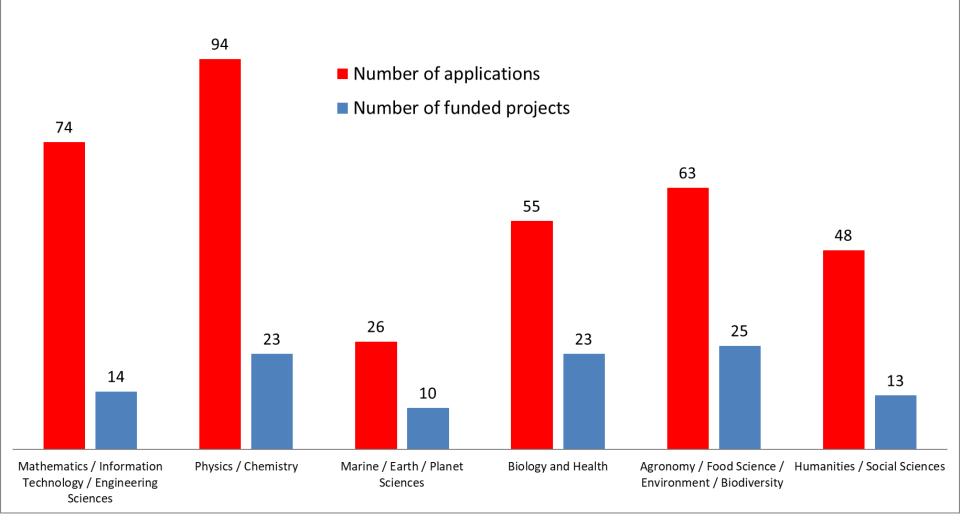
SUCCESS RATE

Average selection rate from 2007-2016: 30 %





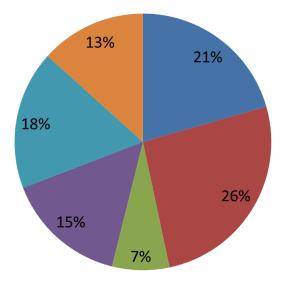
SCIENTIFIC DOMAINS





SCIENTIFIC DOMAINS OF PROJECTS

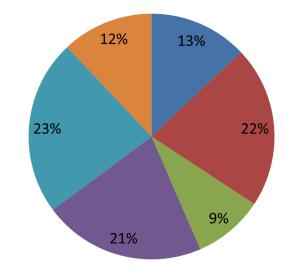
Number of applications : 360



- Mathematics / Information Technology / Engineering Sciences
- Physics / Chemistry
- Marine / Earth / Planet Sciences

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

Number of funded projects : 108

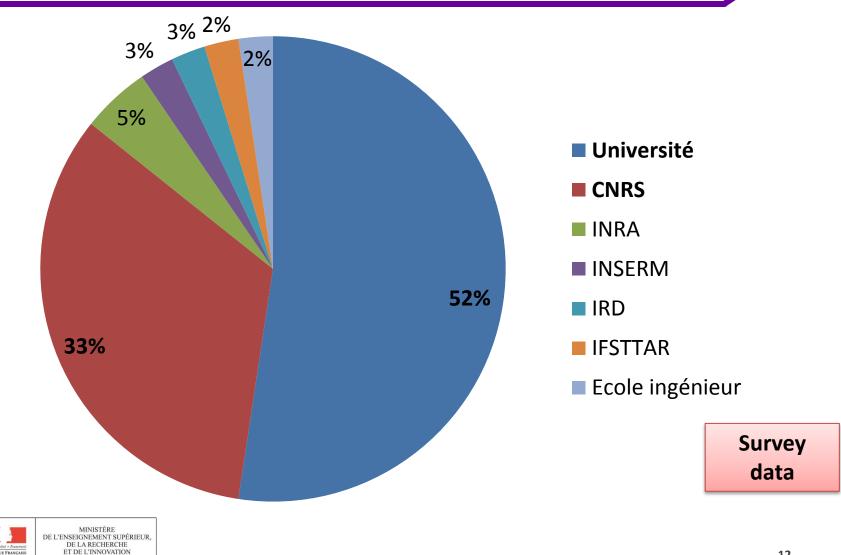


Biology and Health

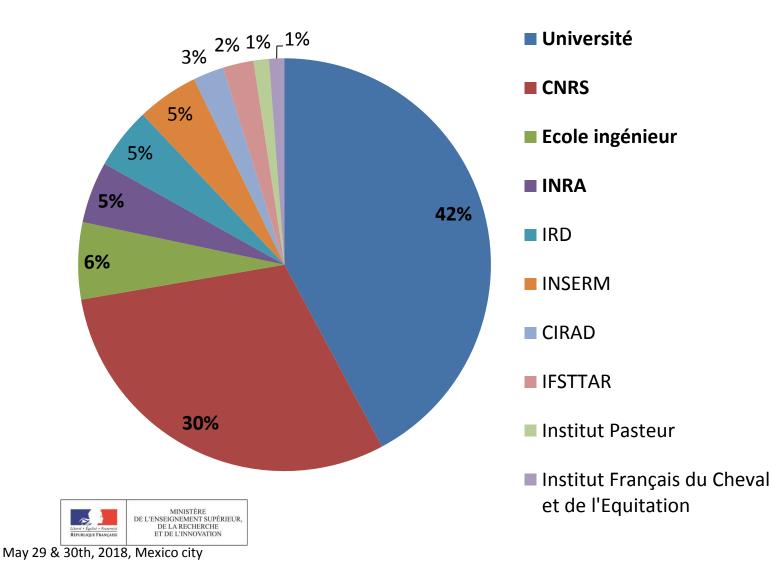
- Agronomy / Food Science / Environment / Biodiversity
- Humanities / Social Sciences



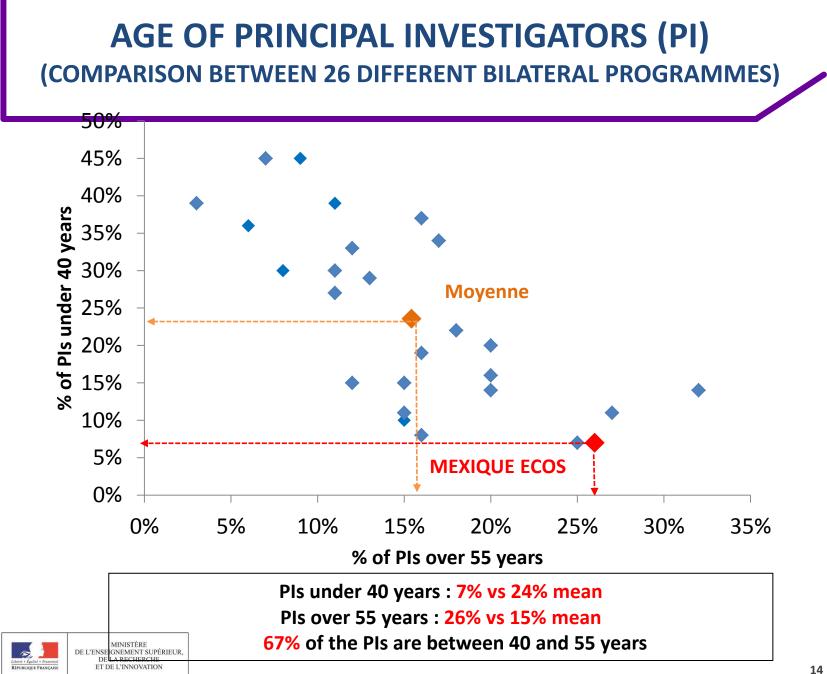
MAIN FRENCH PARTICIPATING INSTITUTIONS (PIS EMPLOYERS)



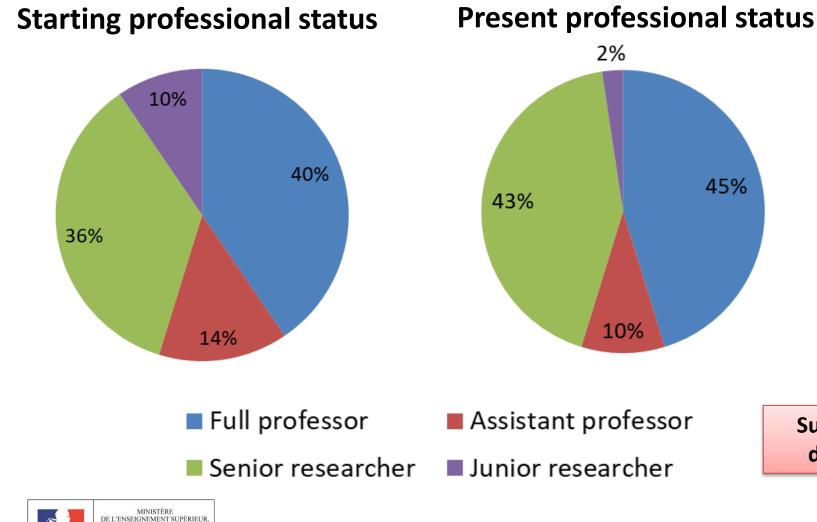
MAIN FRENCH PARTICIPATING INSTITUTIONS (LABORATORIES)



Survey data



FRENCH PIS (PRINCIPAL INVESTIGATORS) : STATUS



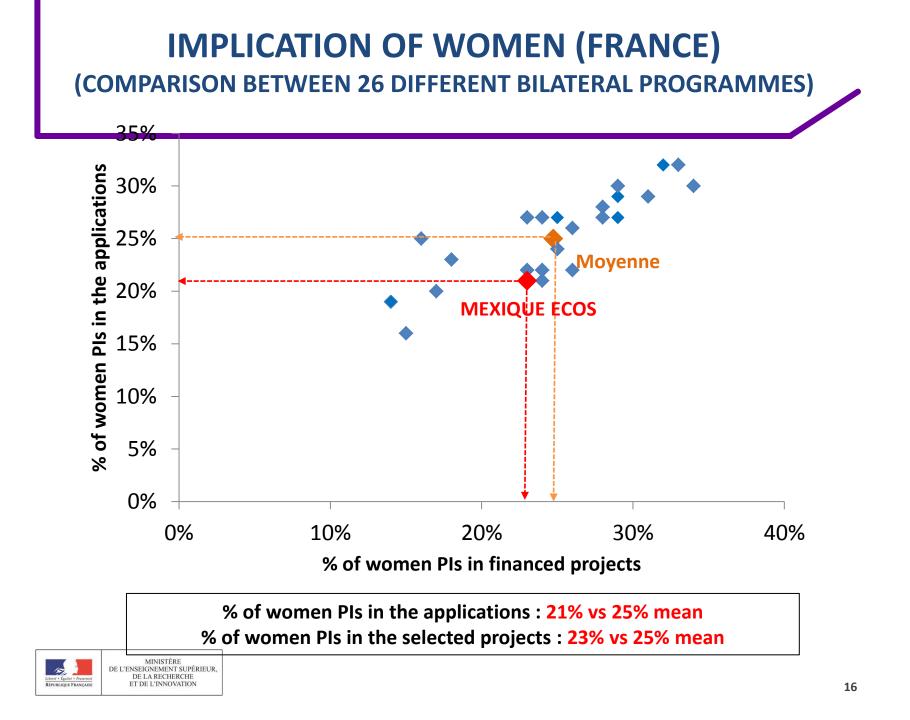
DE LA RECHERCHE

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45%

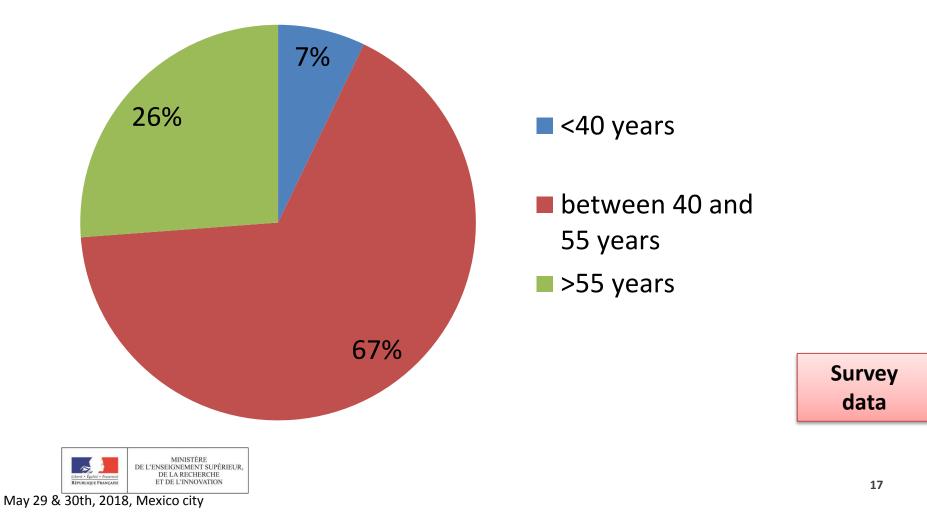
Survey

data



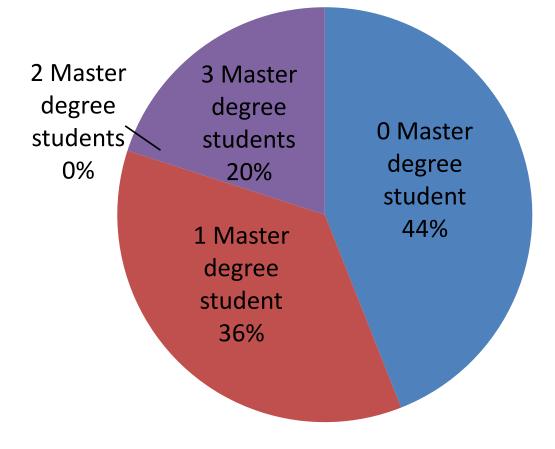
PARTICIPATION OF YOUNG RESEARCHERS (1/4)

7% of French PIs are young researchers



PARTICIPATION OF YOUNG RESEARCHERS (2/4)

56 % of projects integrate Master degree students



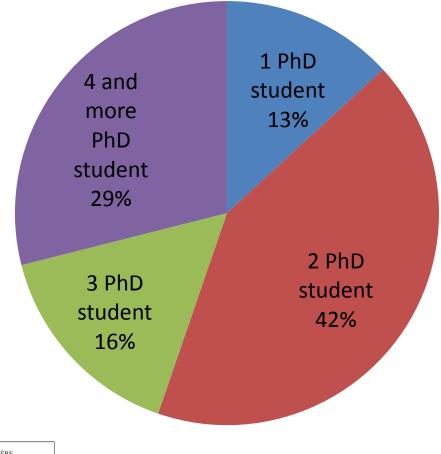
Survey data



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PARTICIPATION OF YOUNG RESEARCHERS (3/4)

100 % of projects integrate PhD students

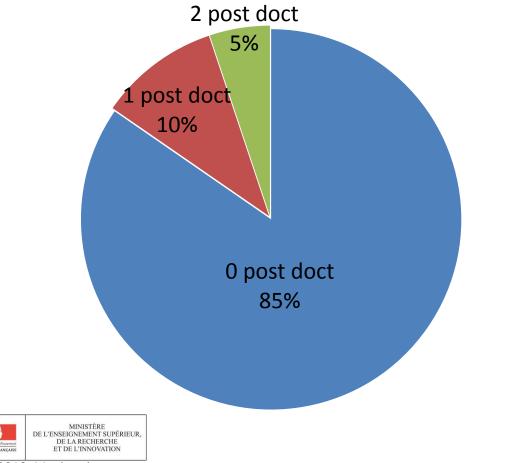


Survey data



PARTICIPATION OF YOUNG RESEARCHERS (4/4)

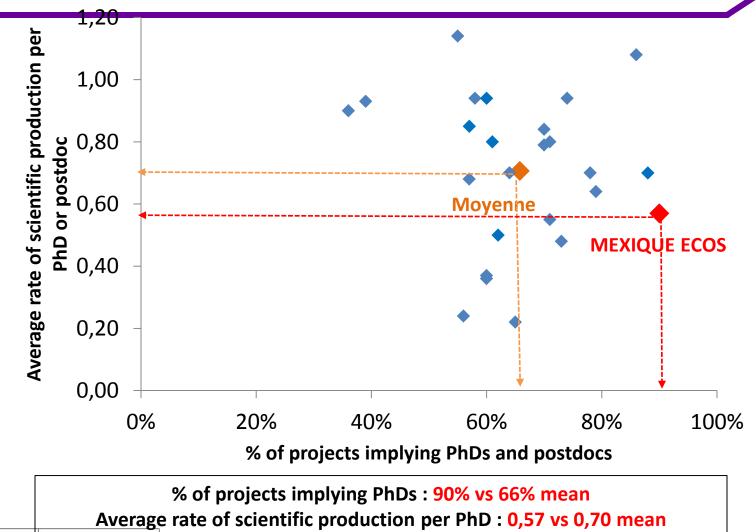
15 % of projects integrate post-doctoral researchers



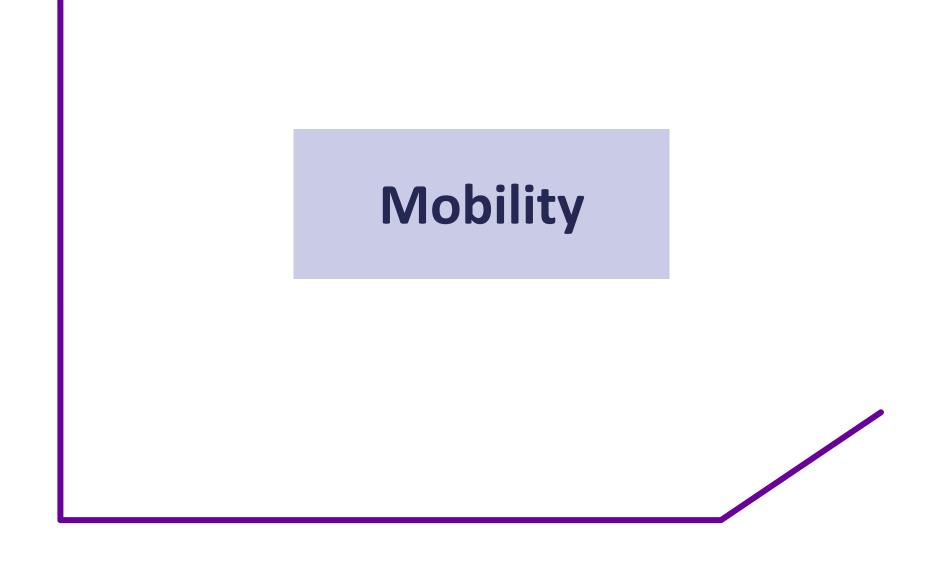
Survey data

IMPLICATION OF PhDs

(COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)

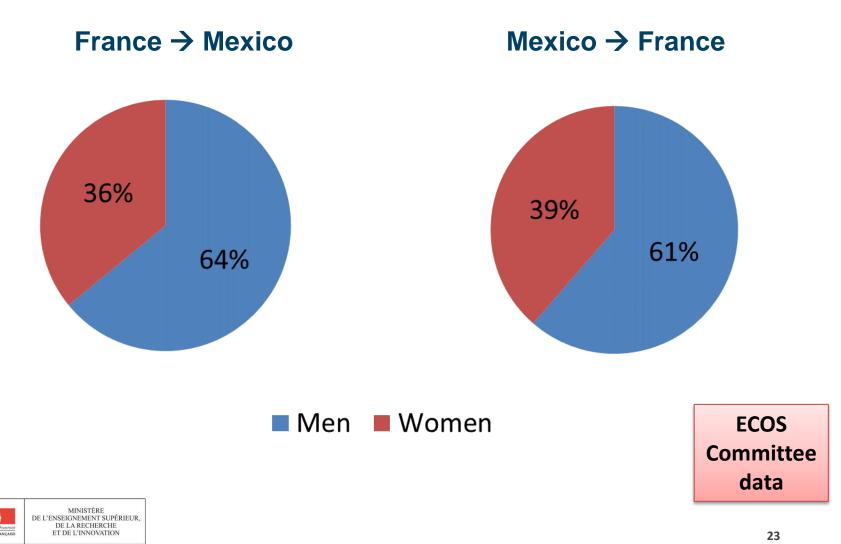






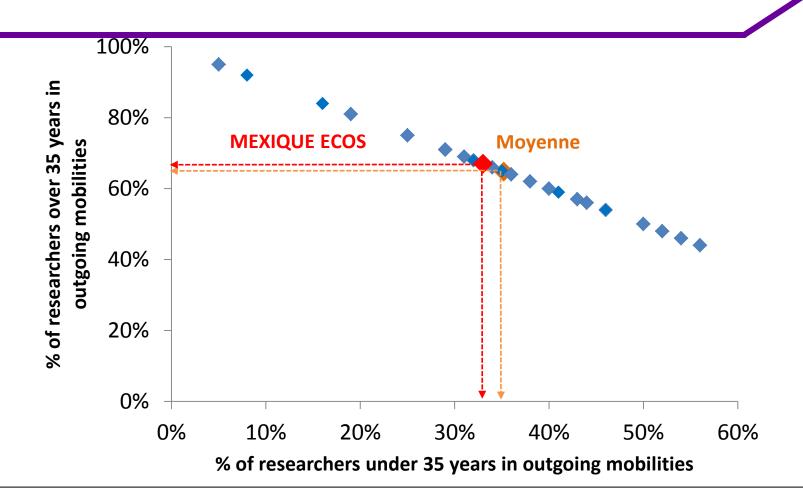


MOBILITY : GENDER



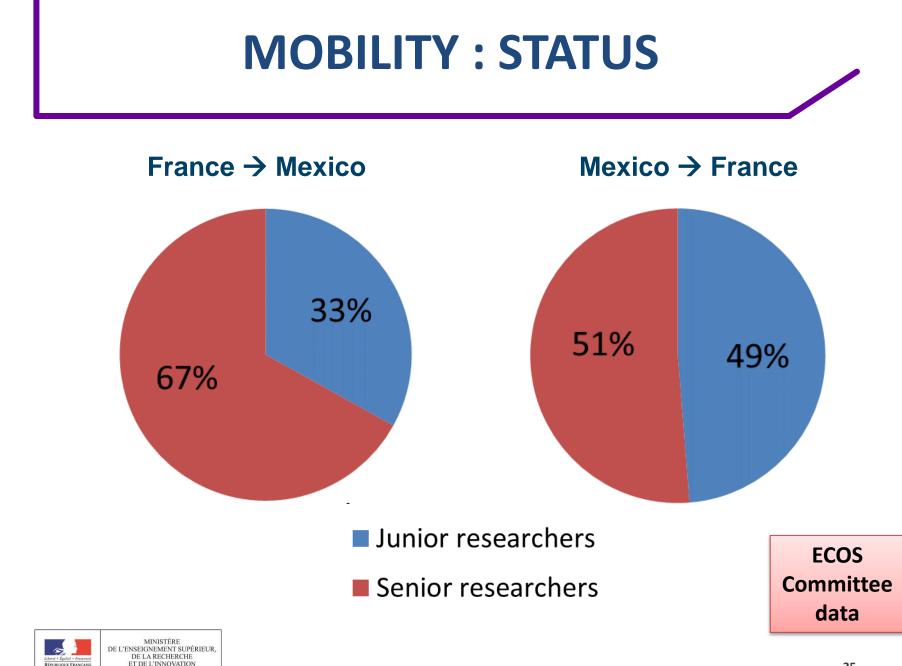
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MOBILITY FRANCE – MEXICO (COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)



% of french young researchers in outgoing mobilities : 33% vs 35% mean

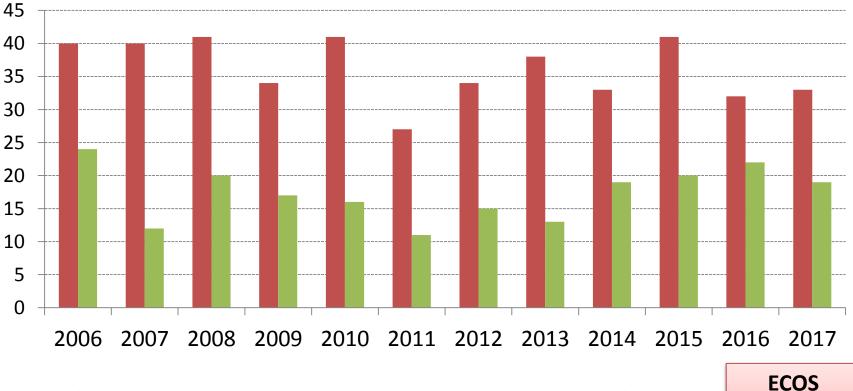




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Researchers PhD

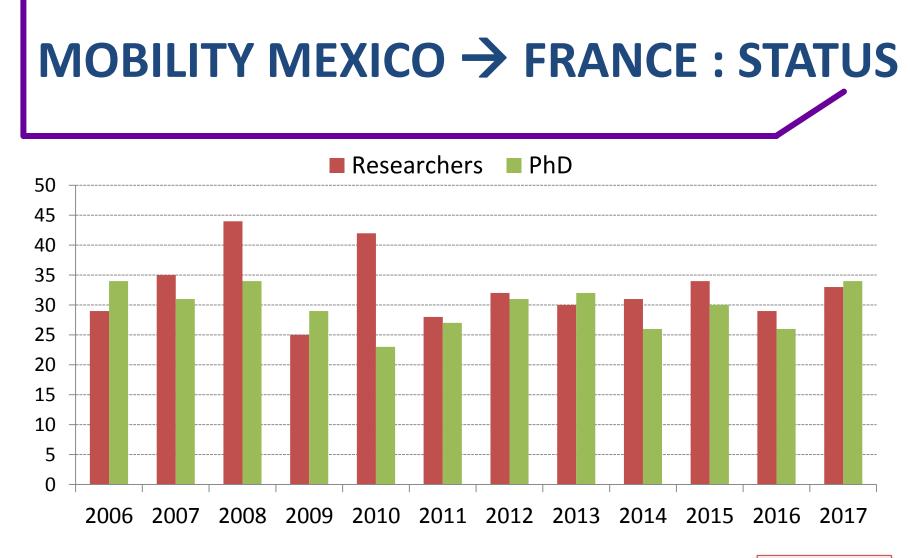


(number of mobilities according to the status)



Committee

data

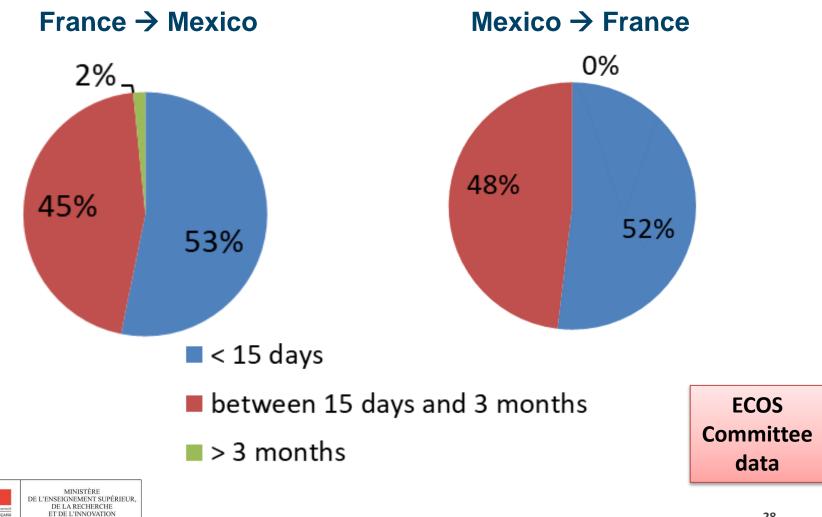


(number of mobilities according to the status)

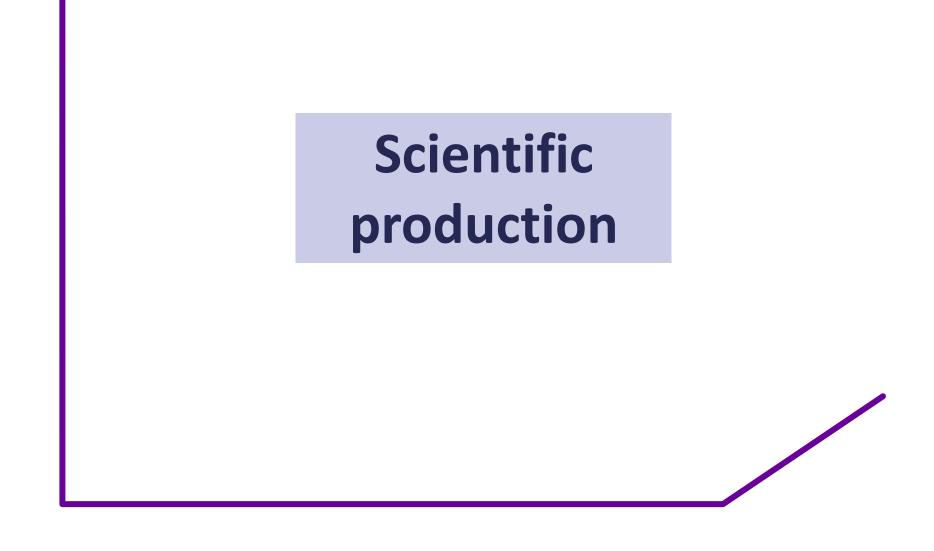
ECOS Committee data



MOBILITY : DURATION

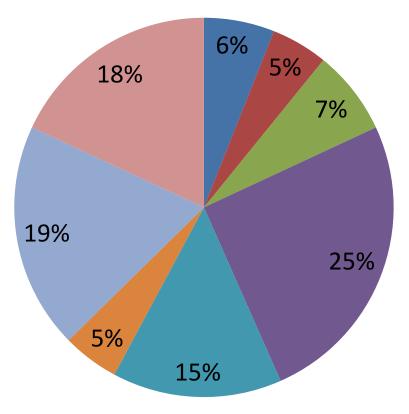


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SCIENTIFIC OUTPUT (1/2)



Mathematics

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





SCIENTIFIC OUTPUT (2/2) 48% of funded projects led to one copublication at least 65% 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 copublicatio ns by thematic area	Ratio of funded projects by thematic area that led to one copublication at least	Ratio of copublication by project
Mathematics	6	14%	5	6%	17%	0,8
Physics	3	7%	4	5%	67%	1,3
Marine / Earth / Planet Sciences	3	7%	6	7%	67%	2,0
Chemistry	7	17%	21	25%	71%	3,0
Biology and Health	7	17%	12	14%	43%	1,7
Humanities / Social Sciences	8	19%	4	5%	25%	0,5
Agronomy / Food Science / Environment / Biodiversity	5	12%	16	19%	80%	3,2
Information Technology	3	7%	15	18%	33%	5,0
TOTAL	42	100%	83	100%	48%	2,0
DE L'ENSEIG	MINISTÈRE GNEMENT SUPÉRIEUR, LA RECHERCHE				Survey	

ET DE L'INNOVATION May 29 & 30th, 2018, Mexico city

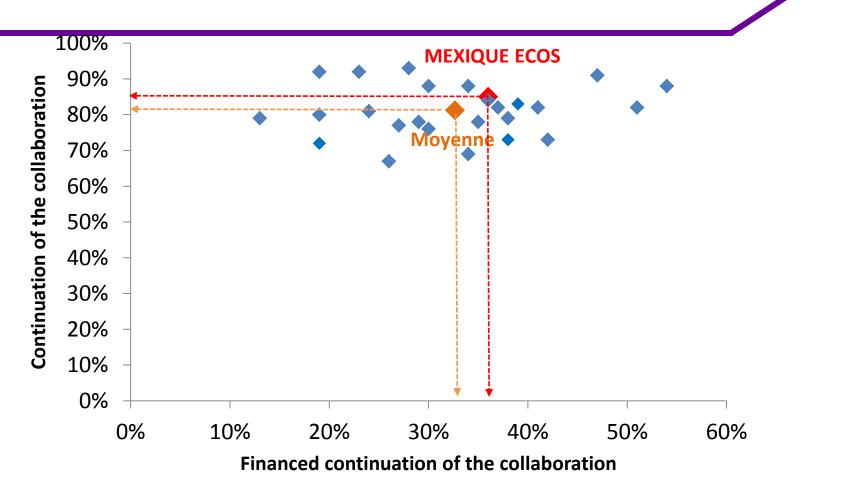
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data

What happens after a ECOS Nord Mexique Project ?



CONTINUATION OF THE COLLABORATION (1/4) (COMPARISON BETWEEN 26 DIFFERENT BILATERAL PROGRAMMES)

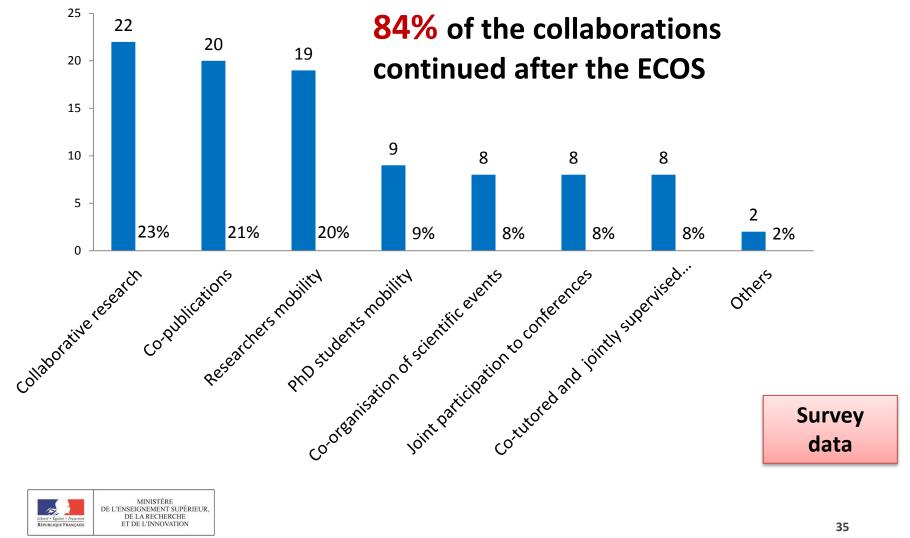


Continuation of the collaboration : 84% vs 81% mean

Continuation of the collaboration with other sources of subvention : 36% vs 33% mean



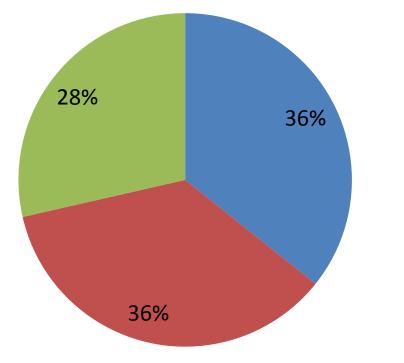
CONTINUATION OF THE COLLABORATION (1/4)



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CONTINUATION OF THE COLLABORATION (2/4)

36% of funded collaborations after the ECOS



Funded

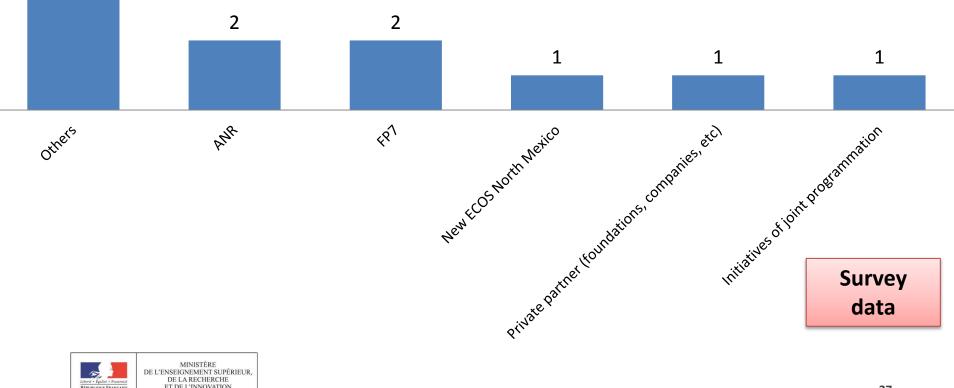
- Unformal collaboration not funded
- Funding was asked but rejected

Survey data





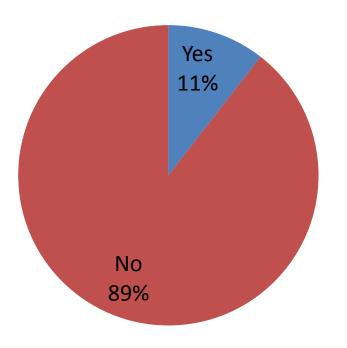




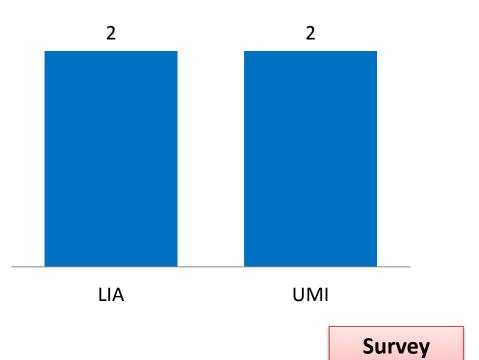
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CONTINUATION OF THE COLLABORATION (4/4)

Did the project ECOS lead to the establishment of joint structures?



Type of structures

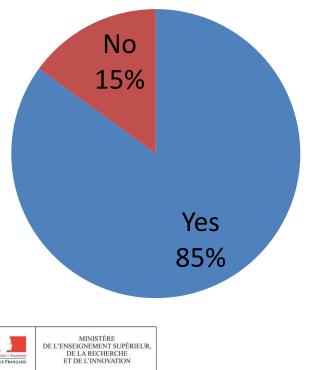


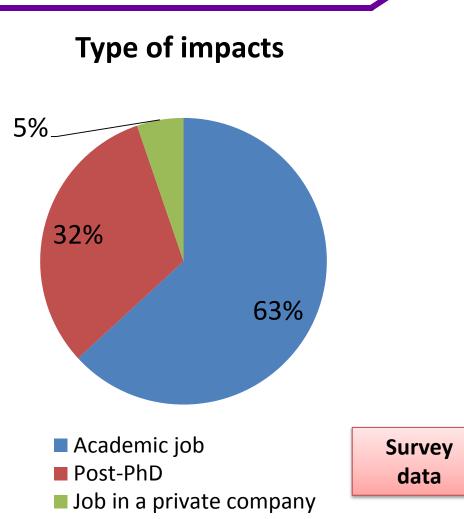


data

IMPACT ON YOUNG RESEARCHERS' CAREER

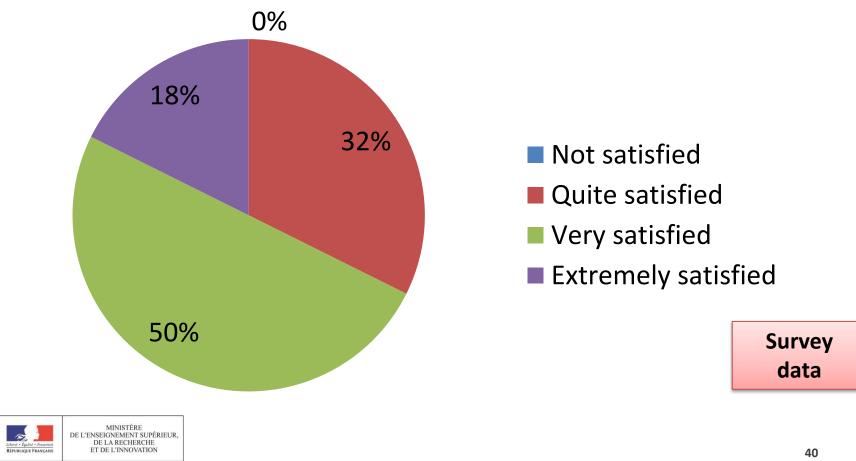
% of young researchers whose career was impacted by the ECOS program





GENERAL OPINION OF FRENCH PIS ON THE PROGRAMME

100% of french principal investigators are satisfied



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PRELIMINARY CONCLUSIONS / RECOMMENDATIONS

CONCLUSIONS

- Top PHD students involvement (100 %)
- Mainly senior Principal Investigators (93 %)
- Good further scientific collaborations (84 %)
- Difficulties for obtaining financial support for further scientific collaborations (36 %)
- Good level of scientific outputs including at least 1 PHD students or post-doc (65%)
- Pretty good average rate of young researchers copublications(57%)
 RECOMMENDATIONS
- Promote young researchers applications
- Promote women applications (only 21% of applicants are women)
- Improve sucess rate (22% in 2016)



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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