



**MINISTÈRE
CHARGÉ
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SUPÉRIEUR
ET DE LA RECHERCHE**

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FRANCE – THAILAND

Scientific impact of the PHC SIAM (2007-2024)

MESR-DAEI / MEAE

2025

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

GENERAL PRESENTATION OF THE PROGRAM

Creation : 2007

The purpose of this program is to develop excellence scientific and technological exchanges between the French and Thai laboratories, by promoting new scientific collaborations and integrating in the projects young researchers and PhD students.

Total budget (France + Thailand) : 345 000 € / year

>> including budget from the French part : around 200 000 € / year

>> including budget from the Thai part : around 145 000 € / year

Average budget per project (France + Thailand) : around 18 000 € / year

Number of new funded projects per year : around 10

**From 2007-2024 :
648 applications submitted
187 projects funded**

Campus France (2007-2024)

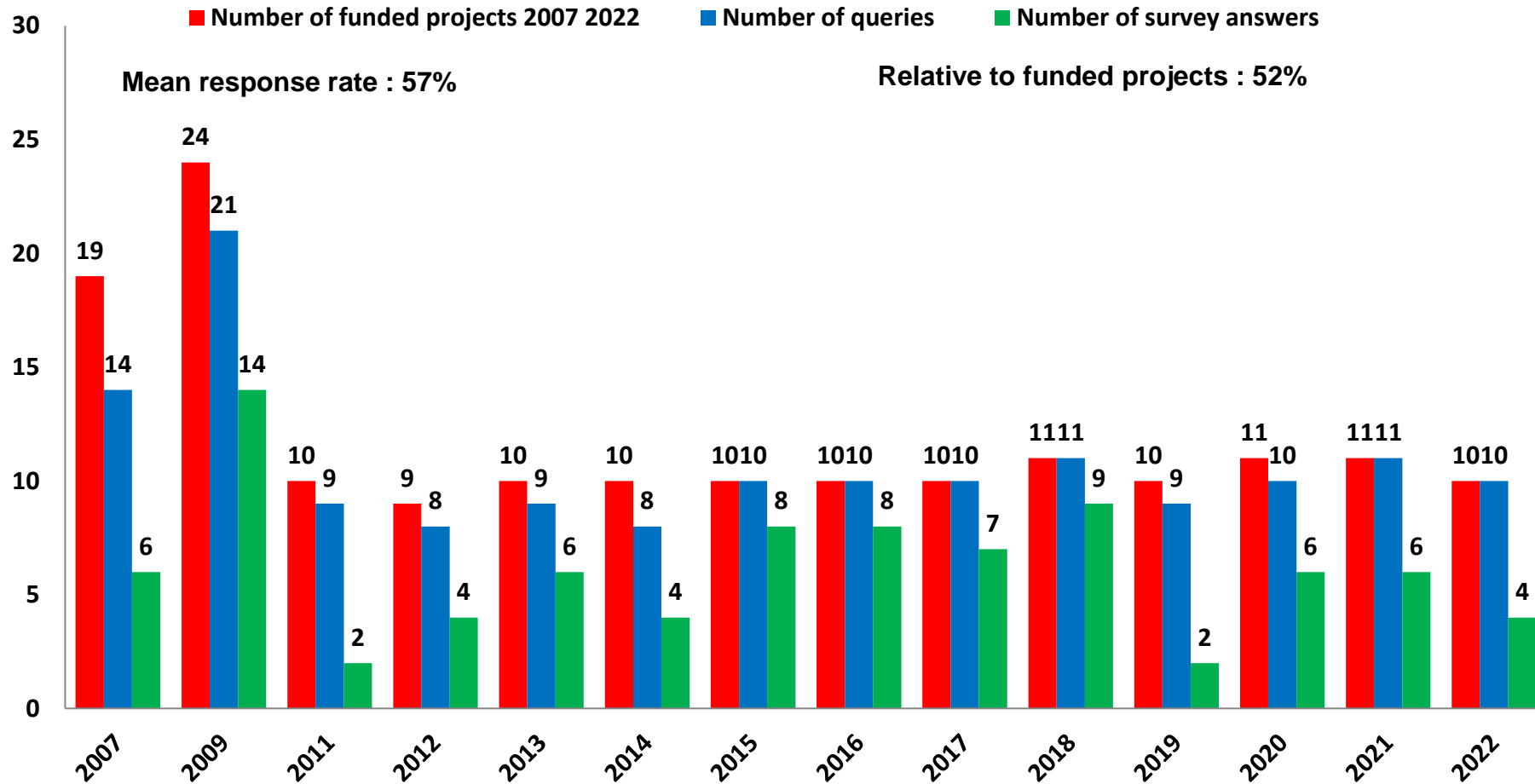
- Information about the PHC SIAM applications
- List of mobilities (from France to Thailand and from Thailand to France)
- Survey 1 : 2007-2020 ; Survey 2 : 2021-2024

Survey (2007-2022)

- Target : French Principal Investigators of selected projects between 2005 and 2022
- Survey 1 (2007-2018) duration : from May to June 2020
62% response ratio (68 respondents for 110 queries)
- Survey 2 (2019-2022) duration : from January to February 2025
50% response ratio (20 respondents for 40 queries)

ANSWERS TO THE SURVEYS

Average response rate to the surveys : 57 % (88 answers)





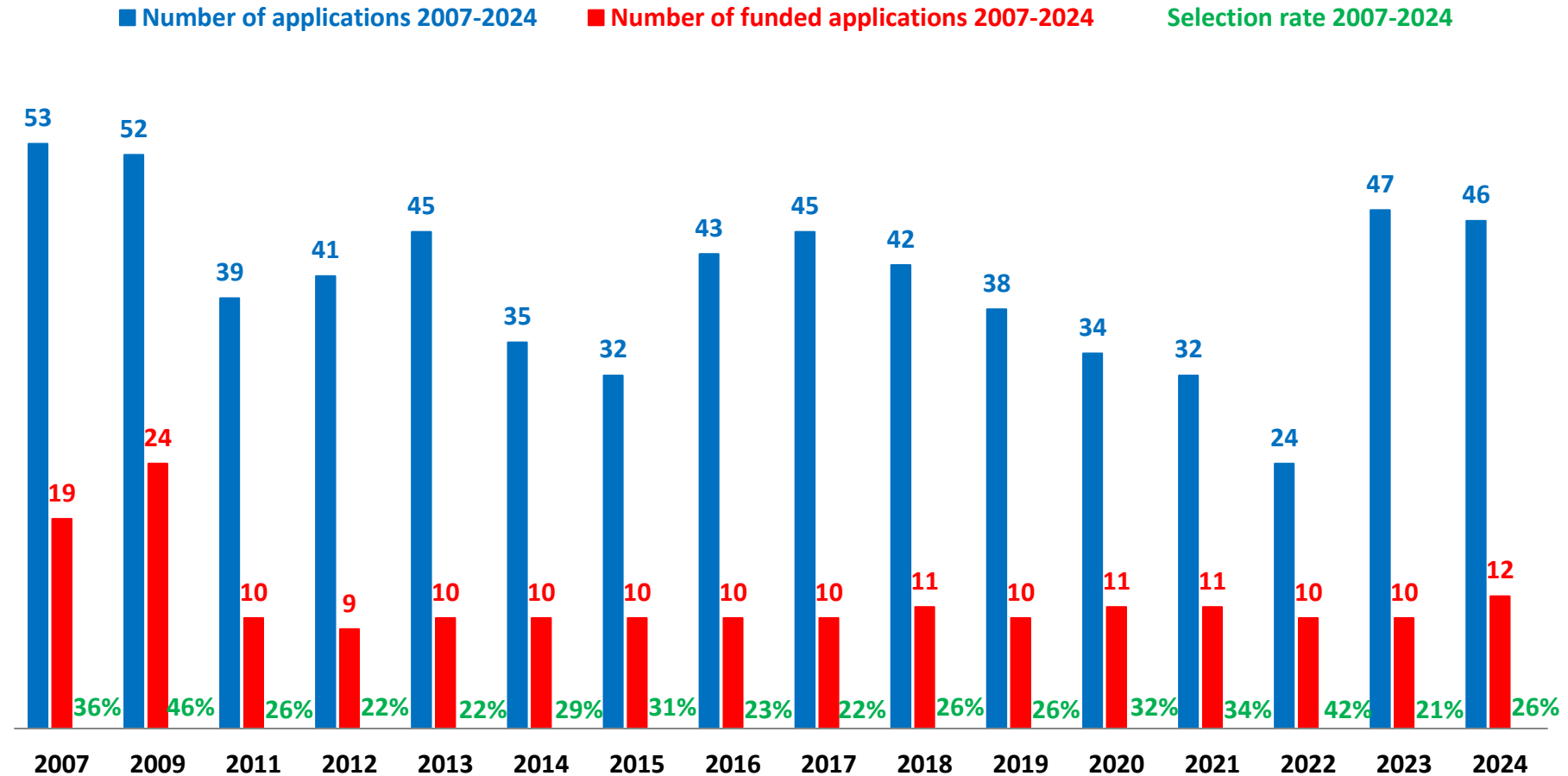
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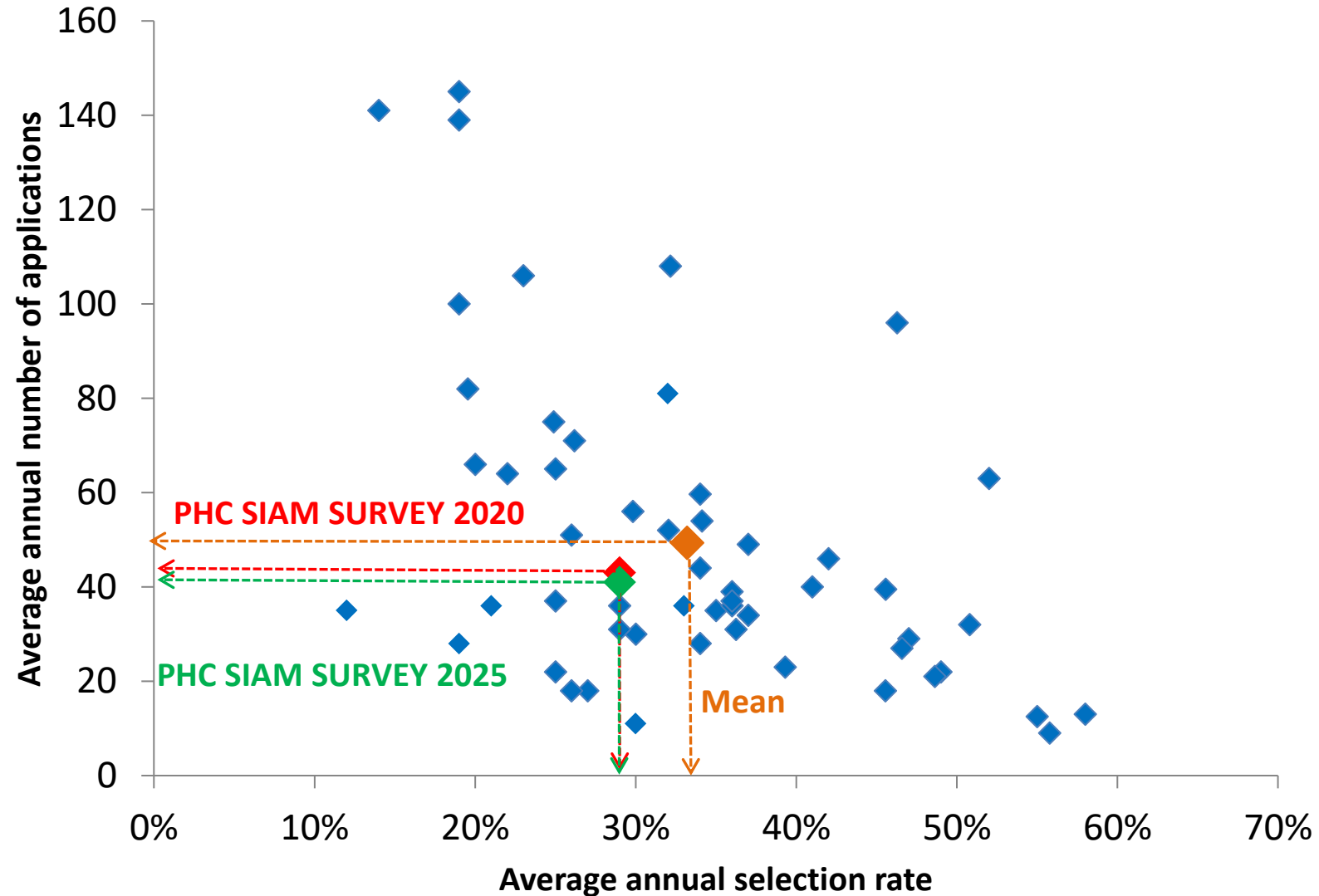
2007-2024 KEY POINTS

NUMBER OF APPLICATIONS AND SELECTION RATE

Average selection rate from 2007-2024: **29%**



NUMBER OF APPLICATIONS VS SELECTION RATE (2007-2024)



Survey 2020 : 43 programs

Survey 2024 : 55 programs

BEFORE THE SIAM PROJECT

67% of the laureates have already previously cooperated with Thailand
(data from 88 responses)
(mean of all programs : 46%)

This previous cooperation was with the same partner for 72% of the laureates
(data from 58 responses)
(mean of all programs : 55%)

This previous cooperation was financed by the PHC SIAM for 24% of the laureates
(data from 49 responses)
(mean of all programs : 19%)

BEFORE THE SIAM PROJECT

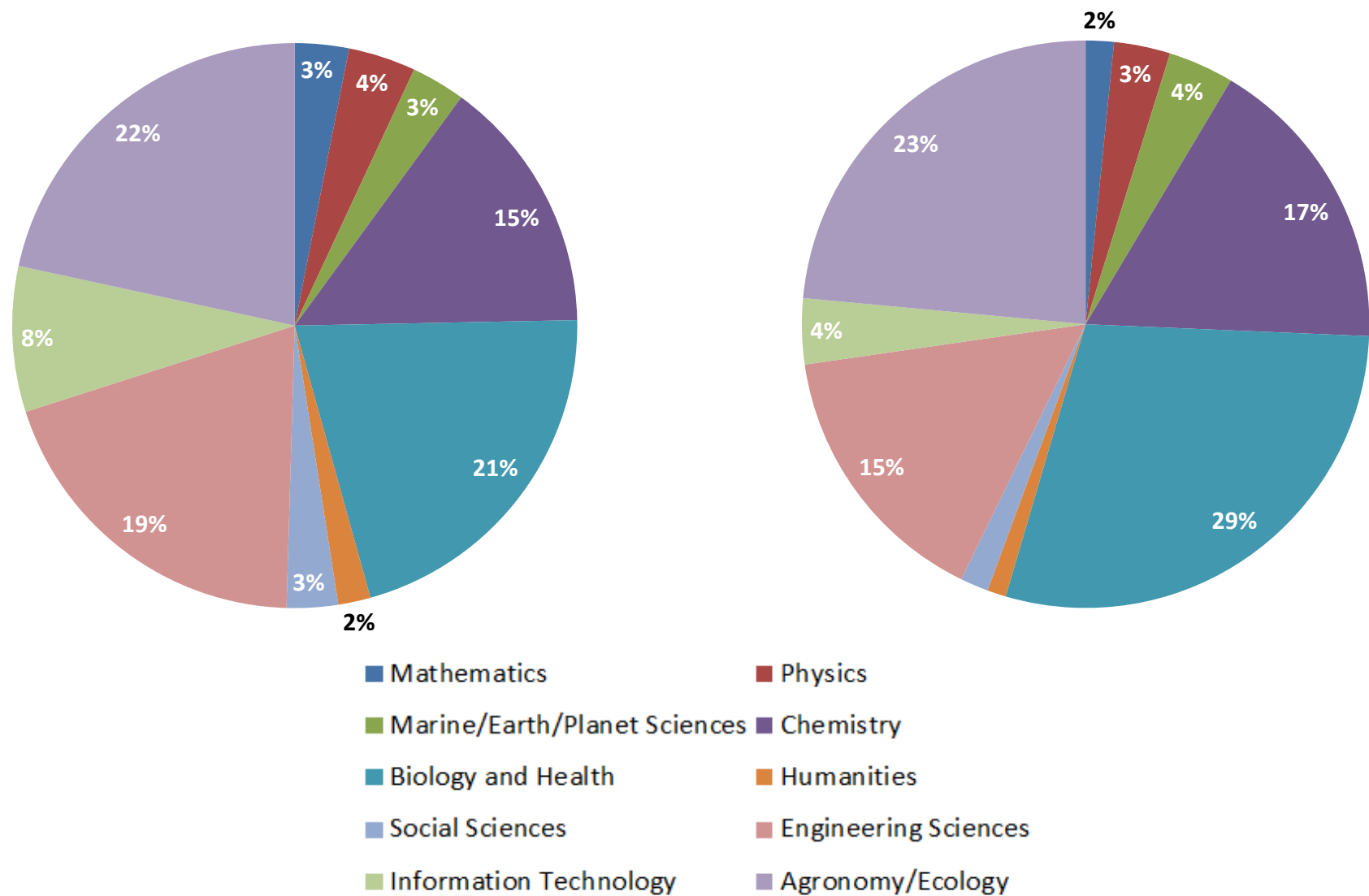
With which scientific collaboration program ?	
PHC SIAM	32%
Thai Institutions co-funding	23%
French Government Grant (BGF)	11%
CNRS International Emerging Action	5%
French National Research Agency (ANR)	3%
Private sector funding	3%
7th PCRD	2%
Others	22%

Data from 49 responses

Plus 67 previous cooperations based on other exchanges (co-publication, meetings, joint PhD...)

SCIENTIFIC DOMAINS OF PROJECTS (2007-2024)

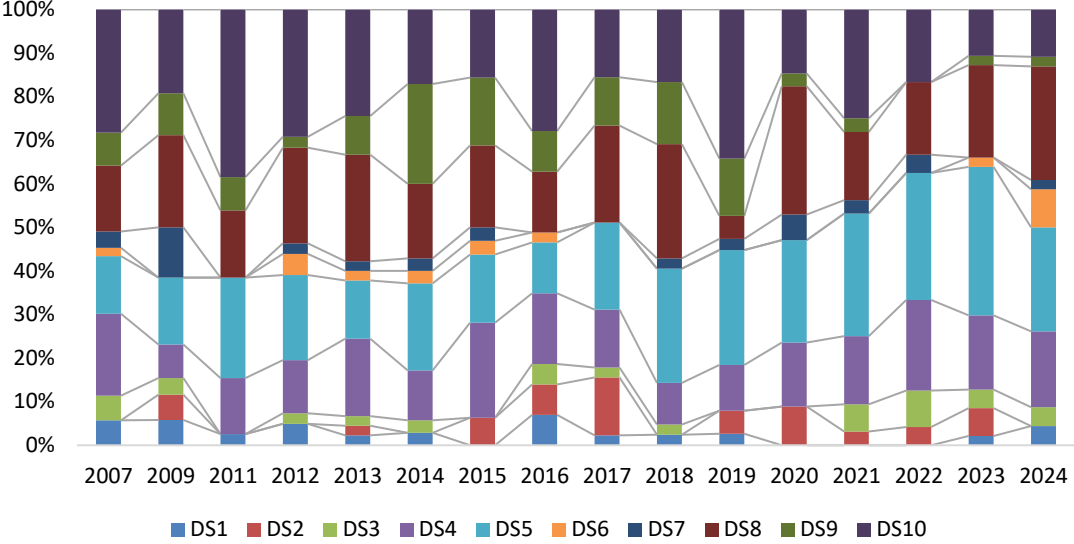
Number of applications : **648**
 Number of funded projects : **187**



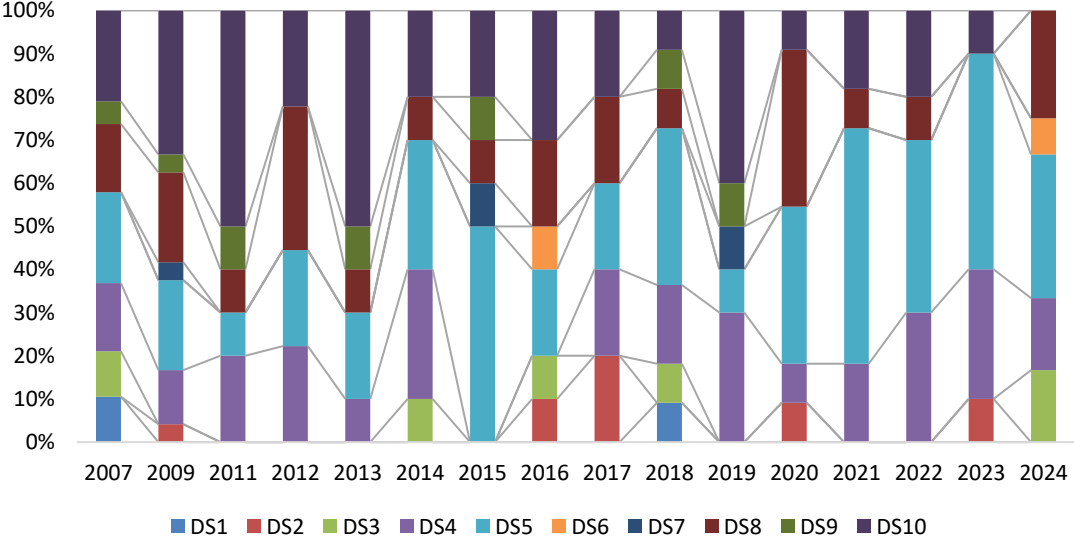
SCIENTIFIC DOMAINS : EVOLUTION 2007-2024

- DS1 : Mathematics
- DS2 : Physics
- DS3 : Marine, Earth, Planet sciences
- DS4 : Chemistry
- DS5 : Biology and Health
- DS6 : Humanities
- DS7 : Social sciences
- DS8 : Engineering sciences
- DS9 : Information technology
- DS10 : Agronomy/Ecology

Percentage of applications filed by scientific domain each year compared to all
 applications filed in each scientific domain
 Total number of applications : 648



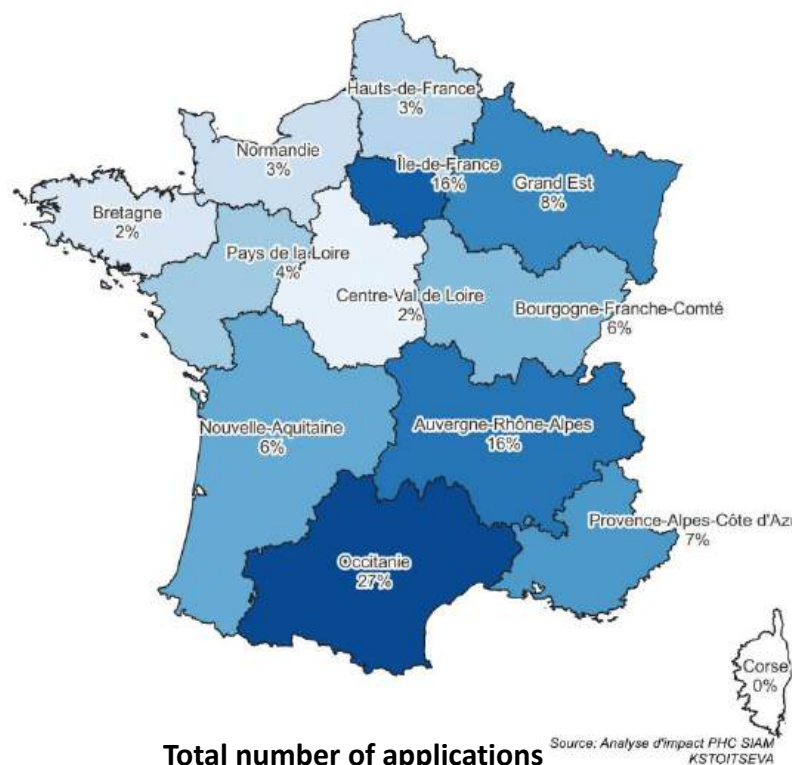
Percentage of selections filed by scientific domain each year compared to all
 selections filed in each scientific domain
 Total number of selections : 187



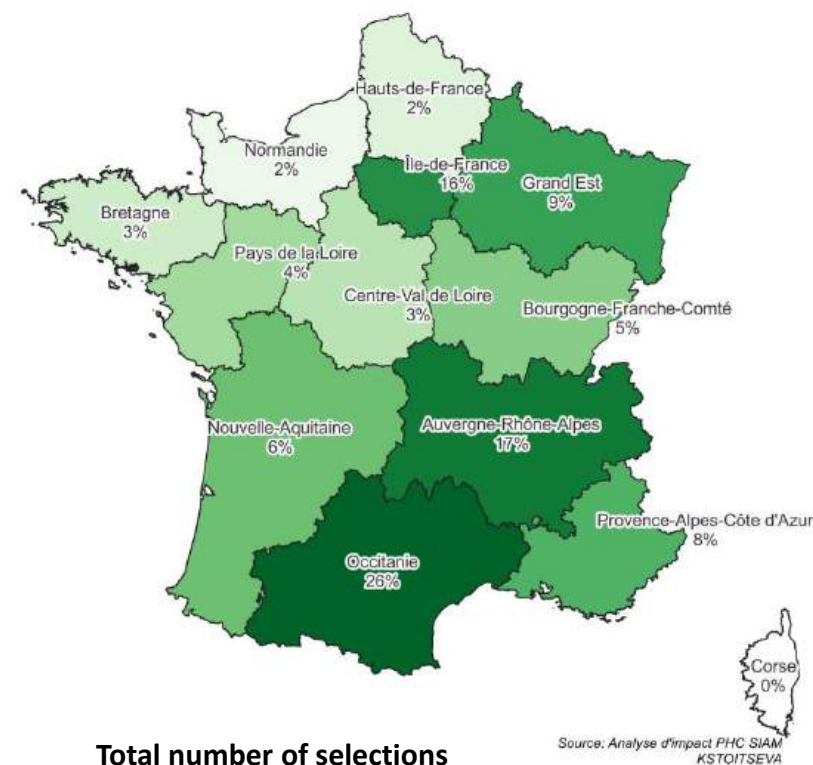
REGIONAL DISTRIBUTION OF SELECTED PROJECTS (2007-2024)

PHC SIAM

Regional percentages of applications and selections 2007-2024



Total number of applications
(all domains)
648

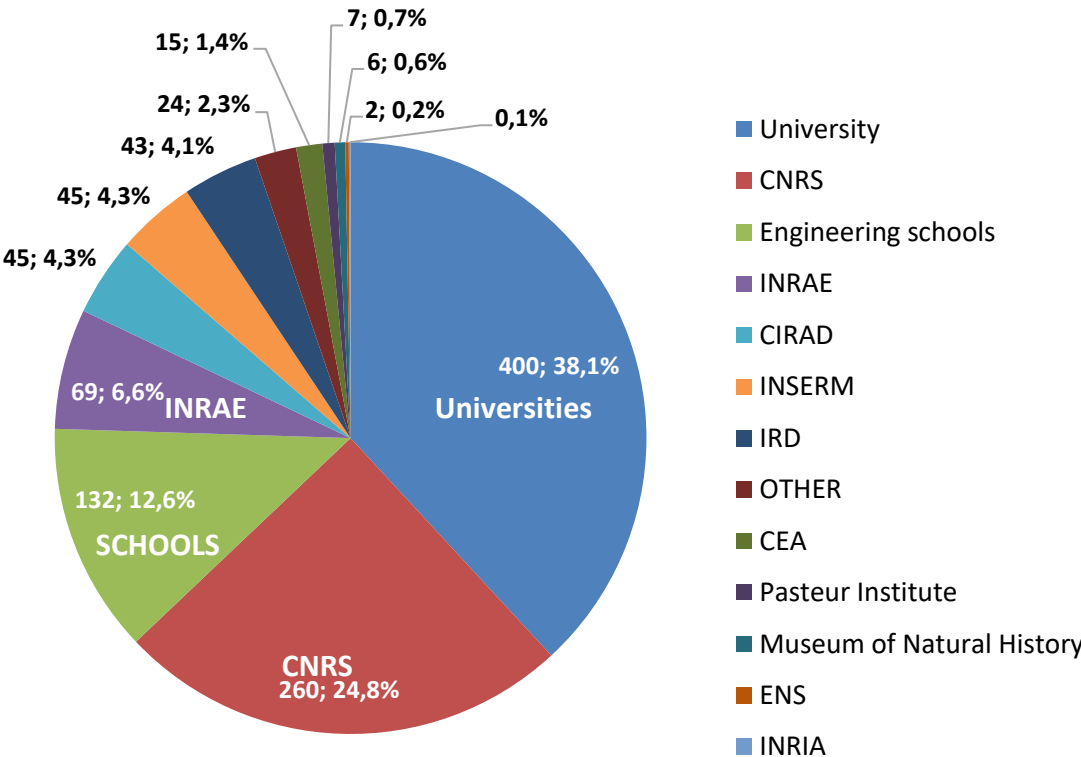


Total number of selections
(all domains)
187

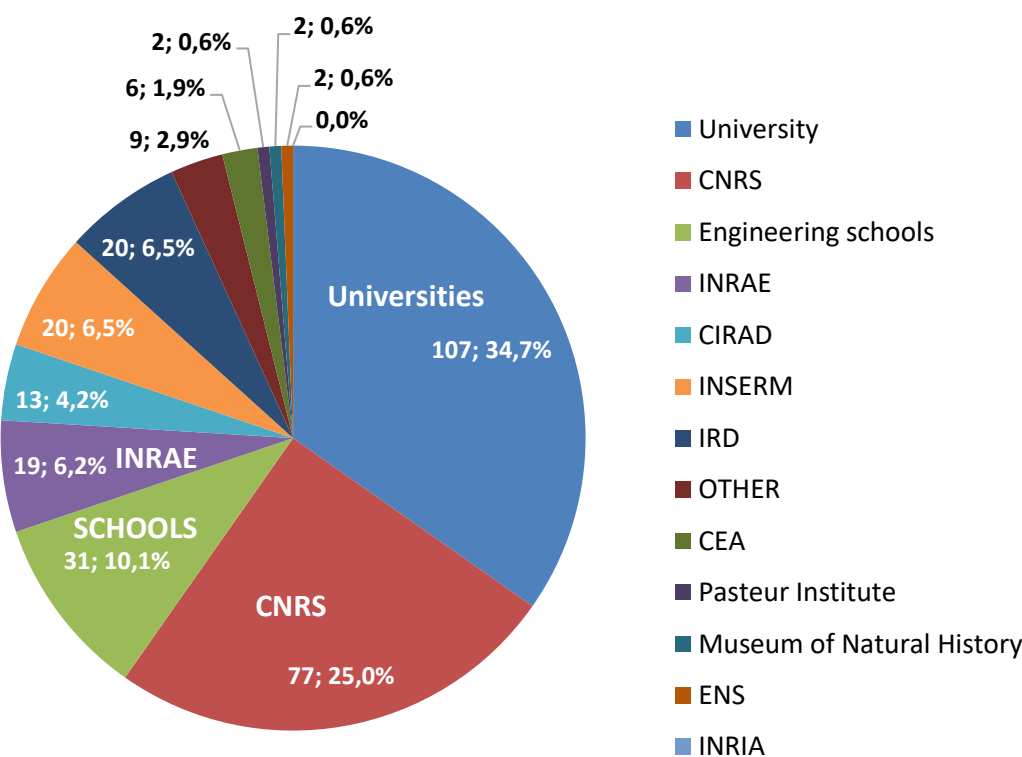
The region Occitanie is the main contributor both for applications and selections followed by Ile-de-France for applications and Auvergne-Rhône-Alpes for selections. La Réunion has two applications and one selection

FRENCH PARTICIPATING INSTITUTIONS (2007-2024)

Institutions of candidates

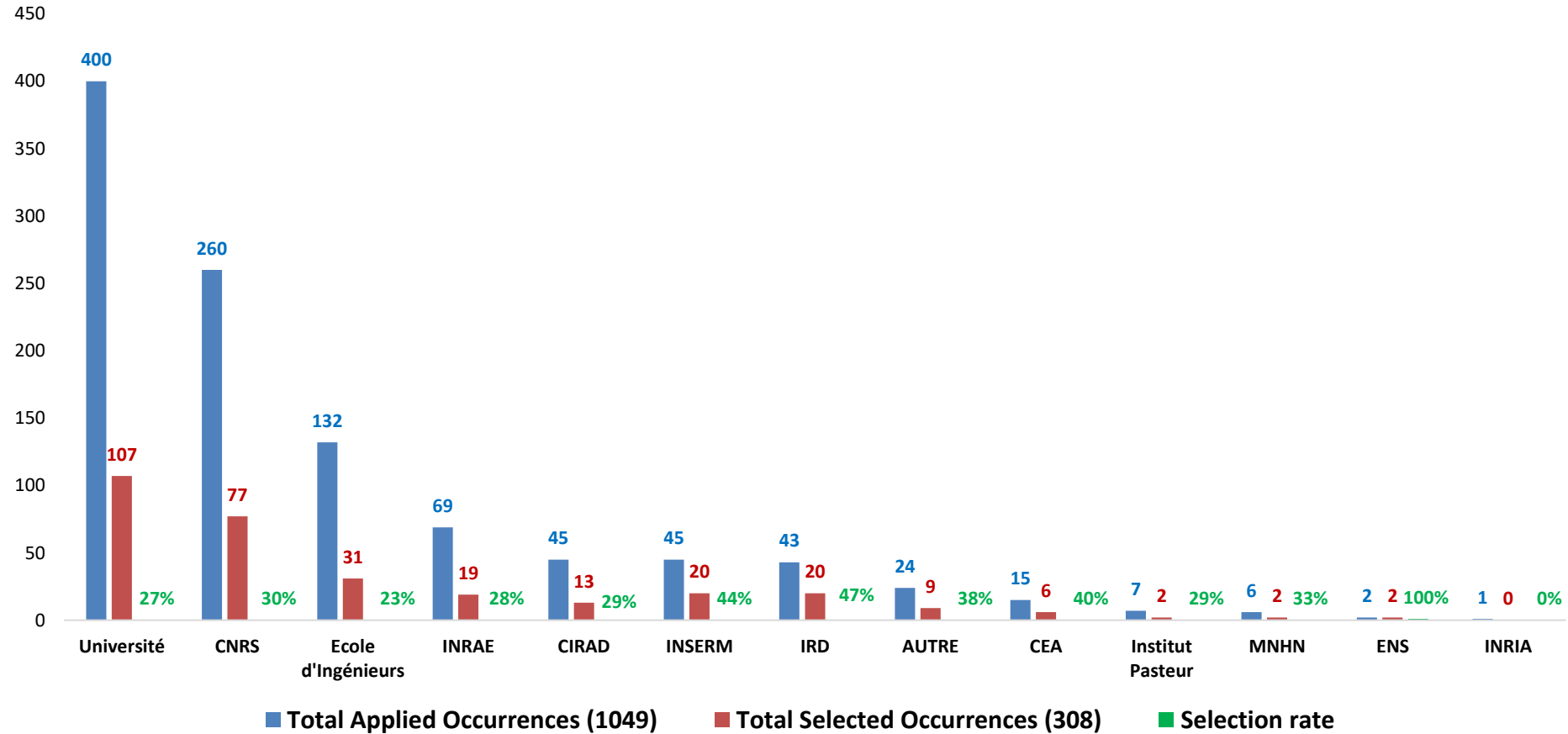


Institutions of laureates



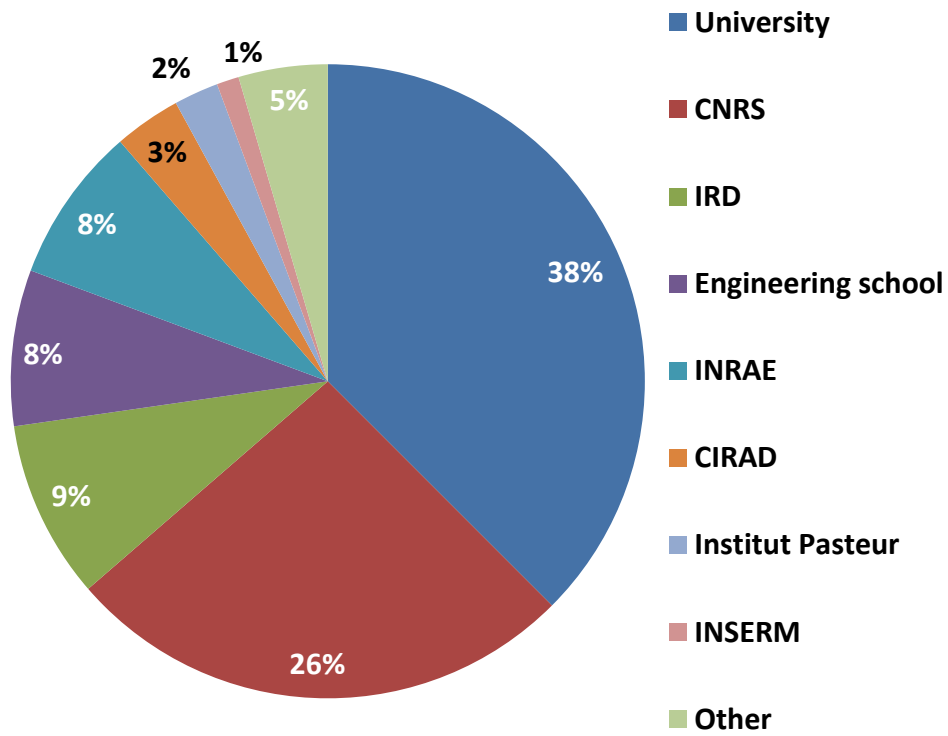
FRENCH PARTICIPATING INSTITUTIONS (2007-2024)

Number of occurrences for each institution

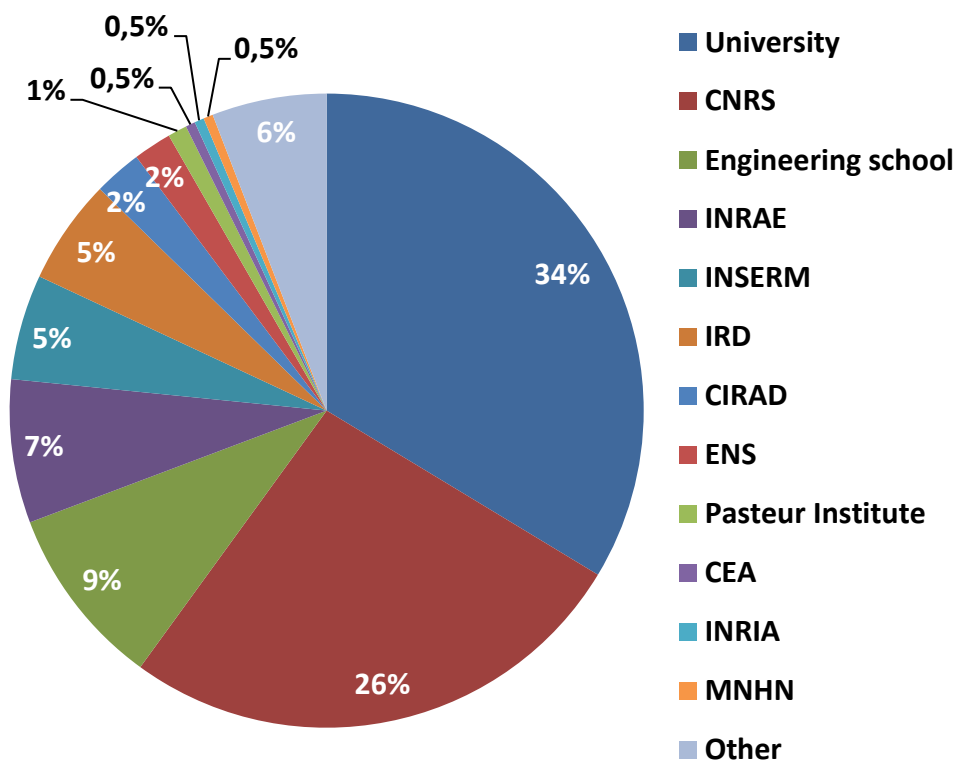


FRENCH PARTICIPATING INSTITUTIONS (2007-2022)

PI's employers

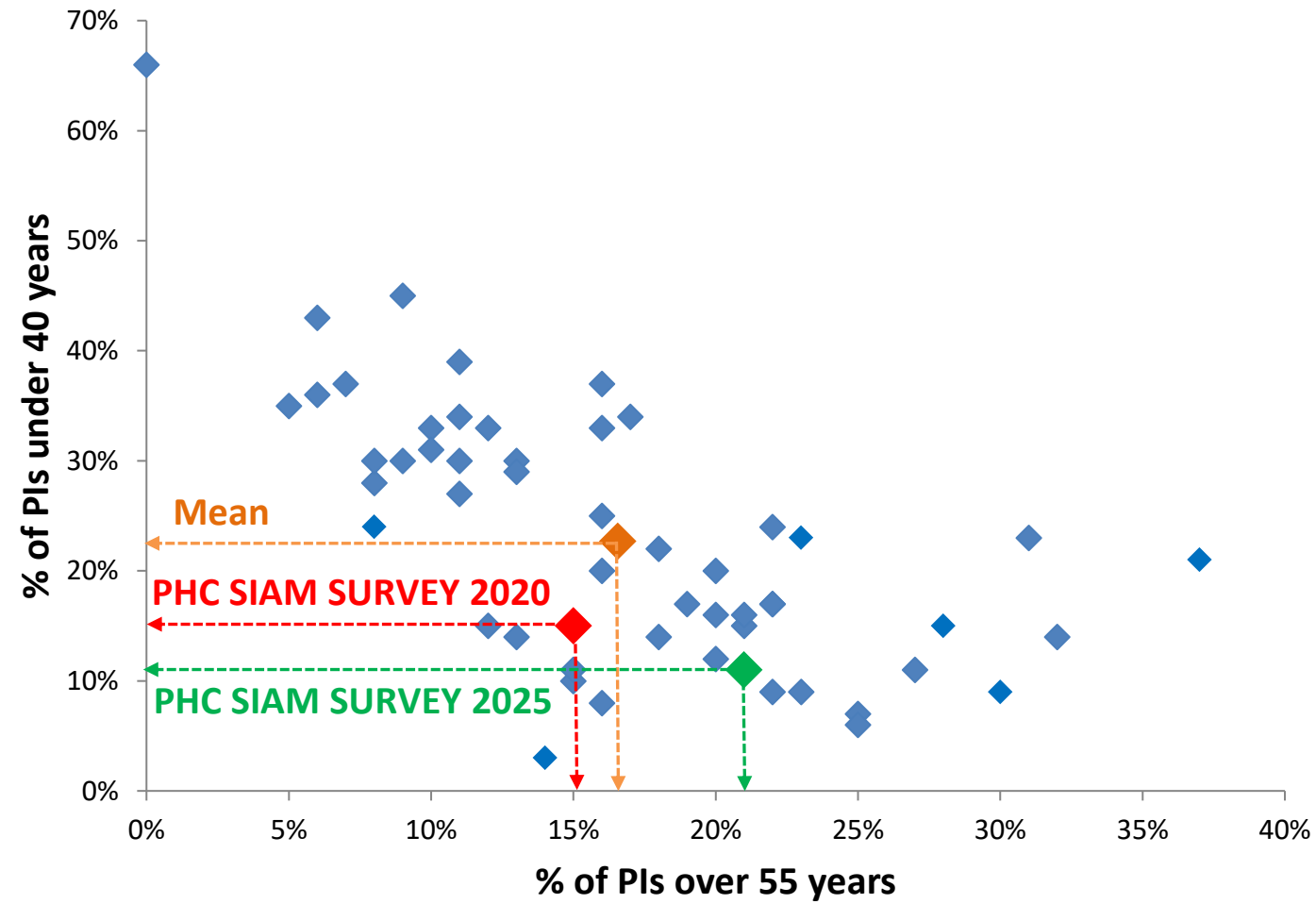


Laboratories authorities



Data from 88 responses

AGE OF FRENCH PRINCIPAL INVESTIGATORS (2007-2022)



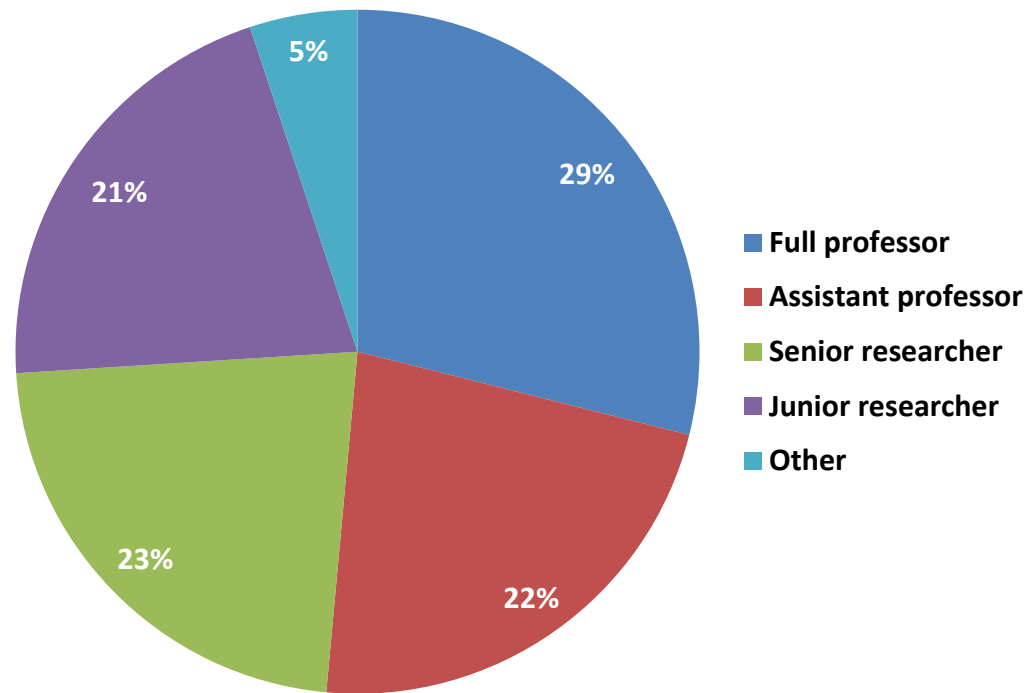
Survey 2020 : 43 programs

Survey 2025 : 55 programs

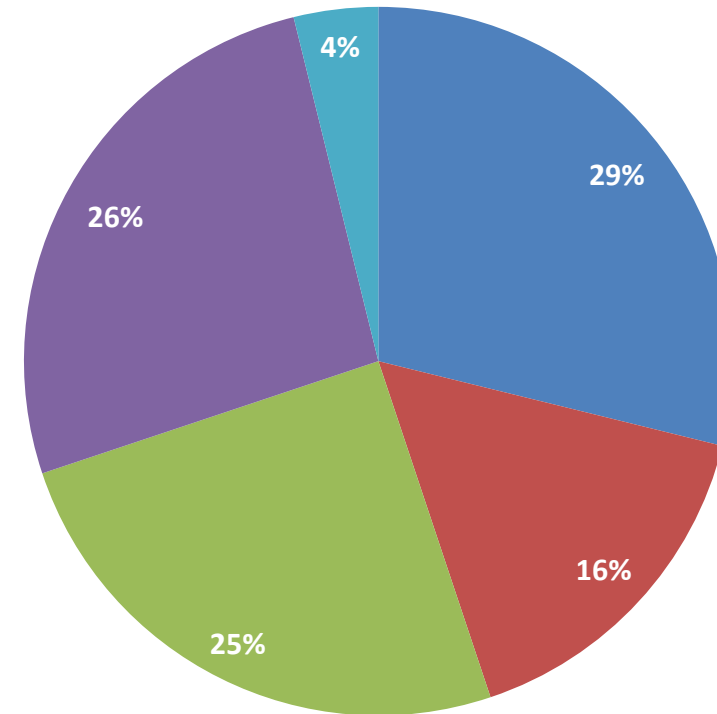
FRENCH PRINCIPAL INVESTIGATORS : STATUS (2007-2024)

(DATA FROM CAMPUS FRANCE)

Applicants professional status



Laureates professional status

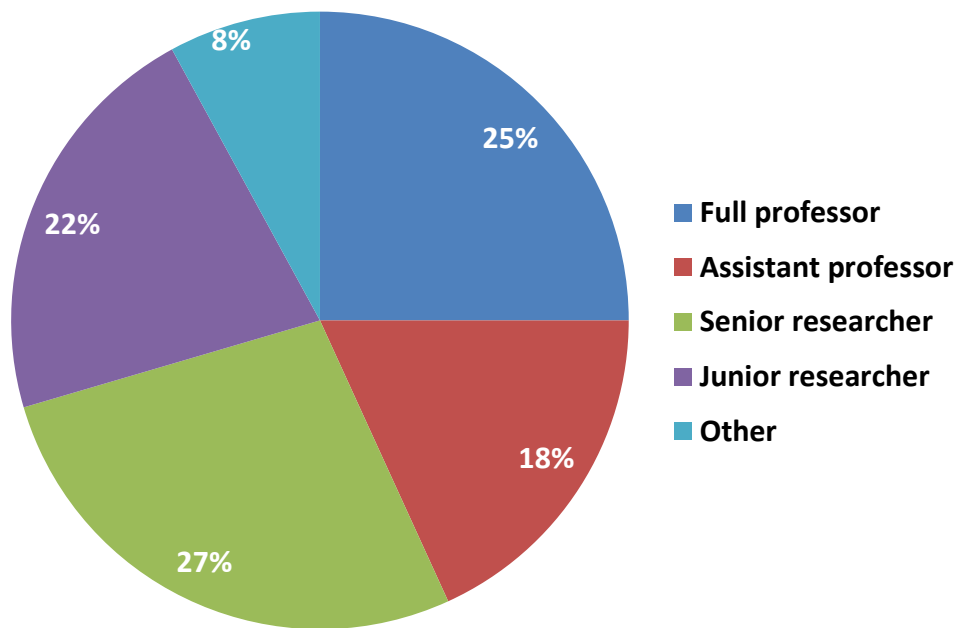


Data from 550 french applicants and 156 french laureates

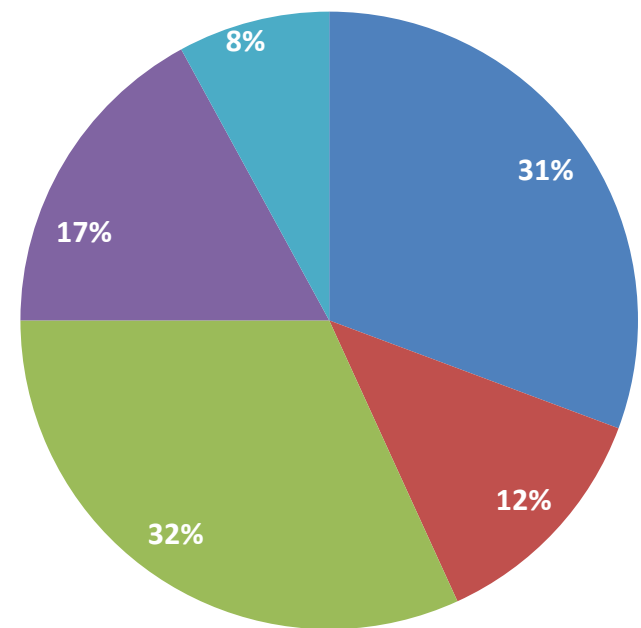
FRENCH PIS (PRINCIPAL INVESTIGATORS) : STATUS (2007-2022)

(DATA FROM THE SURVEYS)

Previous professional status
(at the beginning of the project)

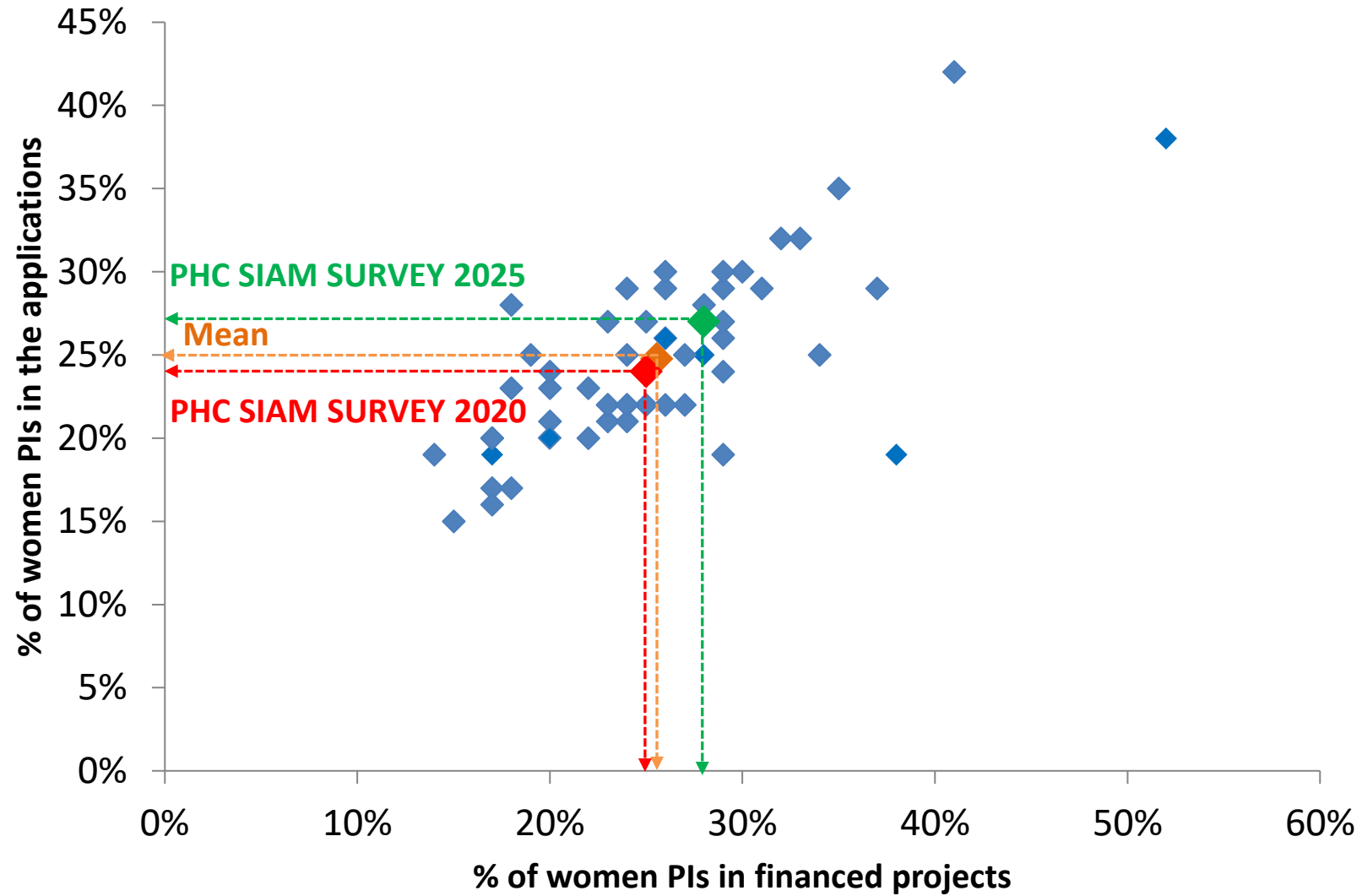


Current professional status



Data from 88 responses

IMPLICATION OF WOMEN (FRANCE) (2007-2024)

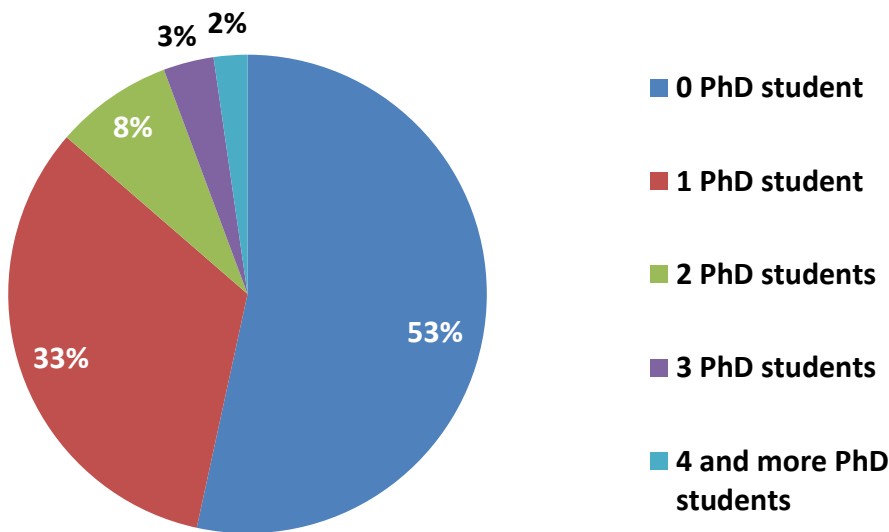


Survey 2020 : 43 programs

Survey 2025 : 55 programs

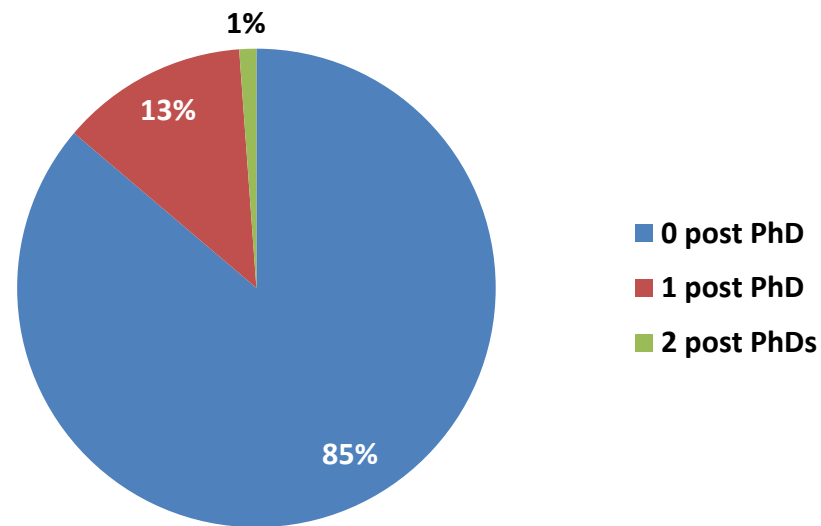
PARTICIPATION OF FRENCH YOUNG RESEARCHERS (2007-2022)

Number of French PhD students



47% of projects involve at least one French PhD student

Number of French post-doctoral researchers

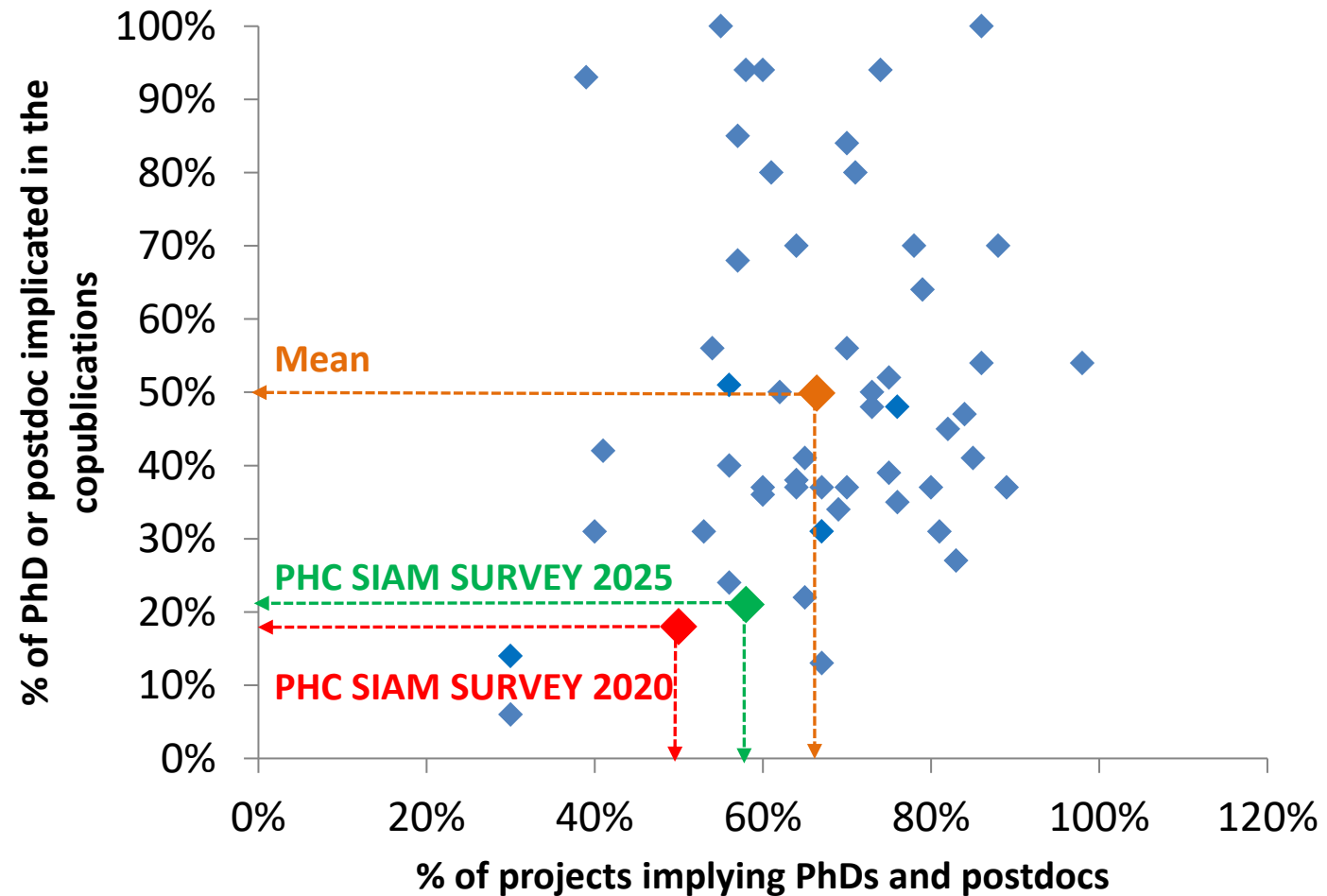


15% of projects involve at least one French post-doctoral researcher

Overall, **58%** of projects involve at least one French young researcher

Data from 87 responses

IMPLICATION OF FRENCH YOUNG RESEARCHERS IN THE PUBLICATIONS (2007-2022)



Survey 2020 : 43 programs

Survey 2025 : 55 programs

PARTICIPATION OF THAI YOUNG RESEARCHERS (2019-2022)

Between 2019 and 2022, 14 Thai PhDs have been involved in the projects

50% of projects involve at least one Thai PhD student

Between 2019 and 2022, 11 Thai postdocs have been involved in the projects

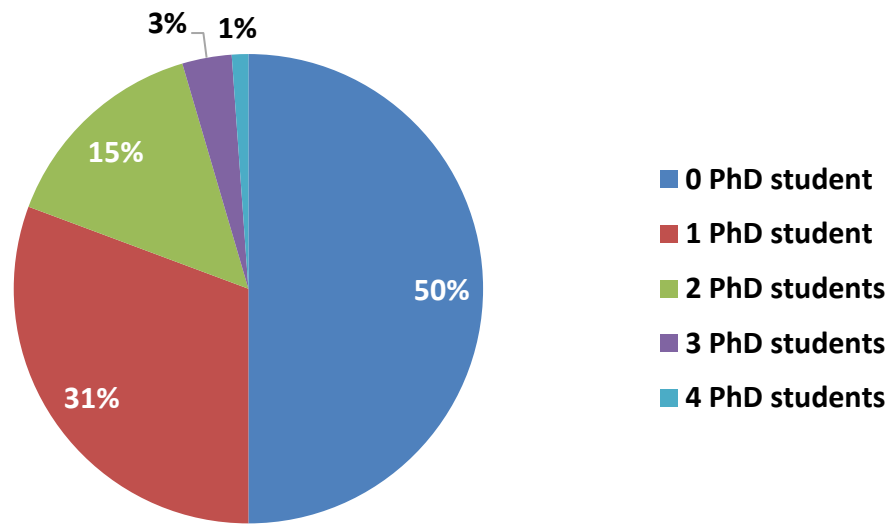
35% of projects involve at least one Thai post-doctoral researcher

Overall, 75% of projects involve at least one Thai young researcher

Data from the survey 2025 (20 responses)

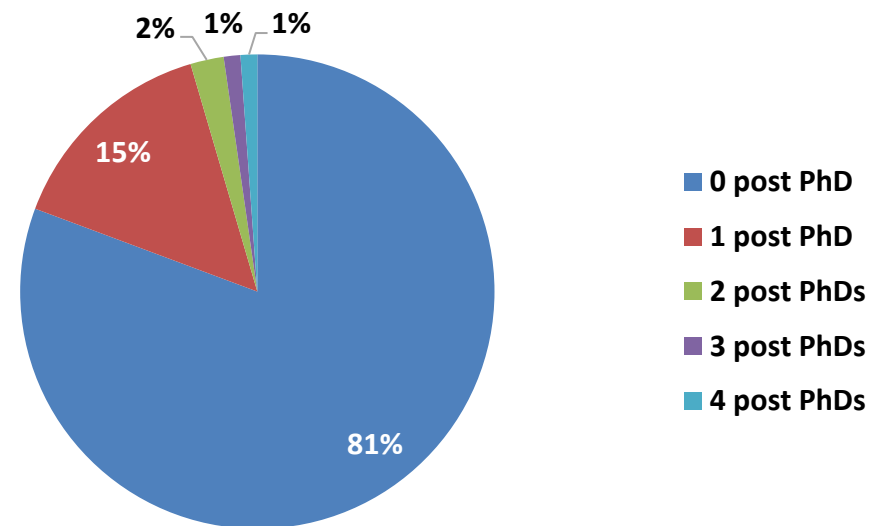
PARTICIPATION OF BOTH FRENCH AND THAI YOUNG RESEARCHERS

Number of PhD students



50% of projects involve at least one PhD student

Number of post-doctoral researchers



19% of projects involve at least one post-doctoral researcher

Overall, **55%** of projects involve at least one French or Thai young researcher

Data from 88 responses (Surveys 2020 and 2025) and 20 responses (Survey 2025)



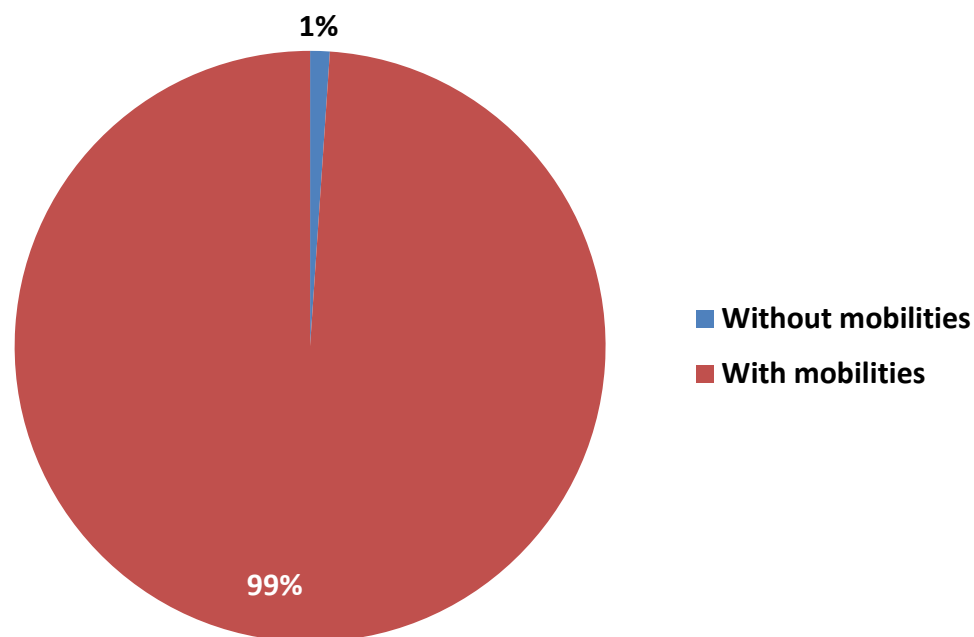
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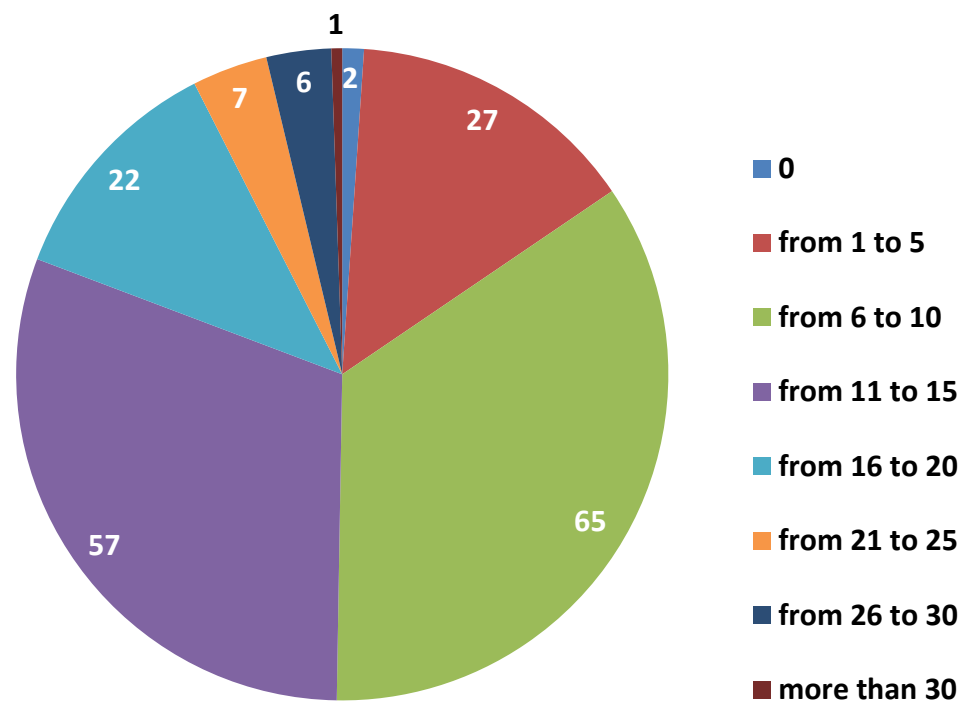
MOBILITY

MOBILITIES (2007-2024)

Projects with/without mobilities



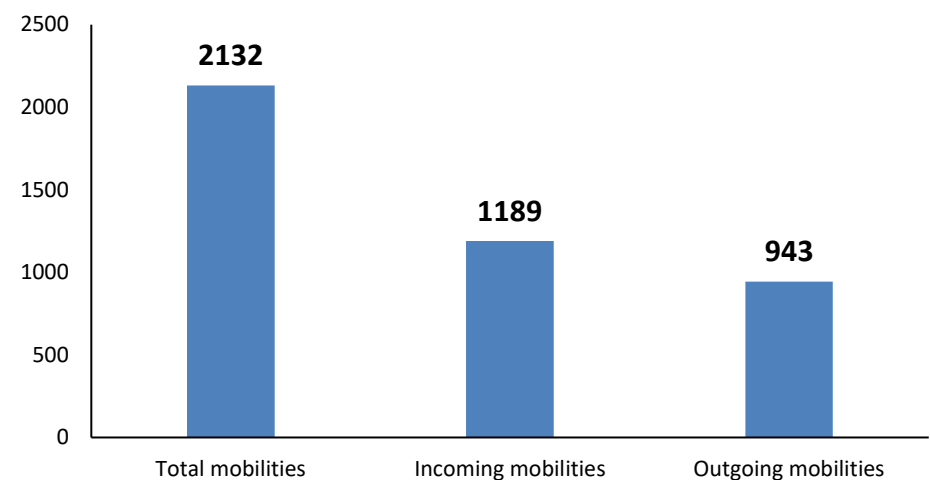
Number of mobilities per project



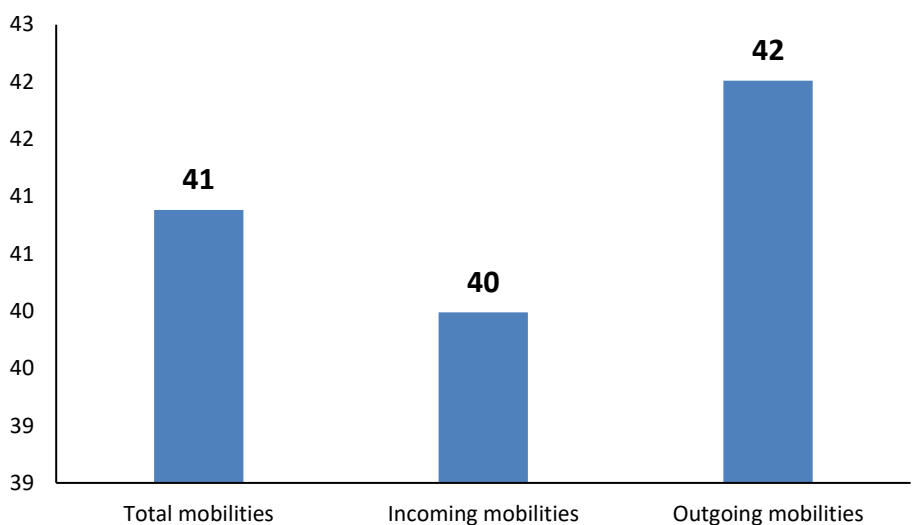
Data from 187 funded projects

MOBILITIES (2007-2024)

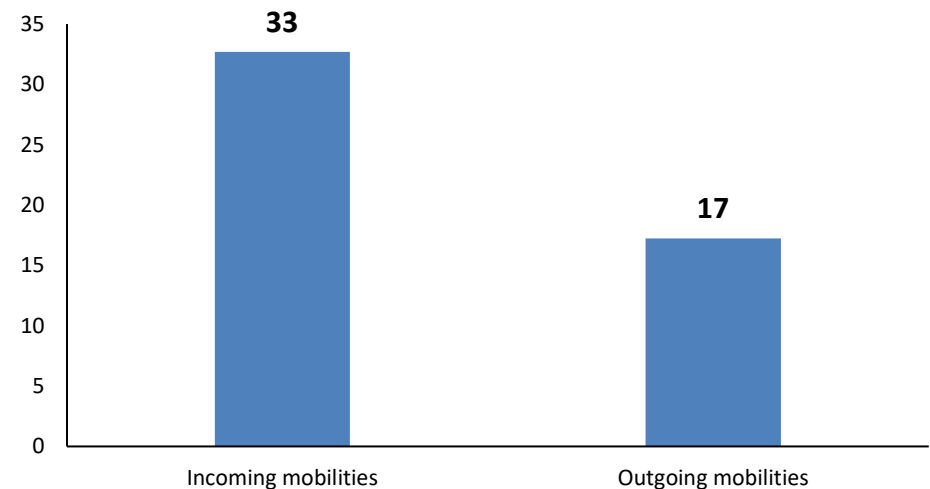
Number of mobilities



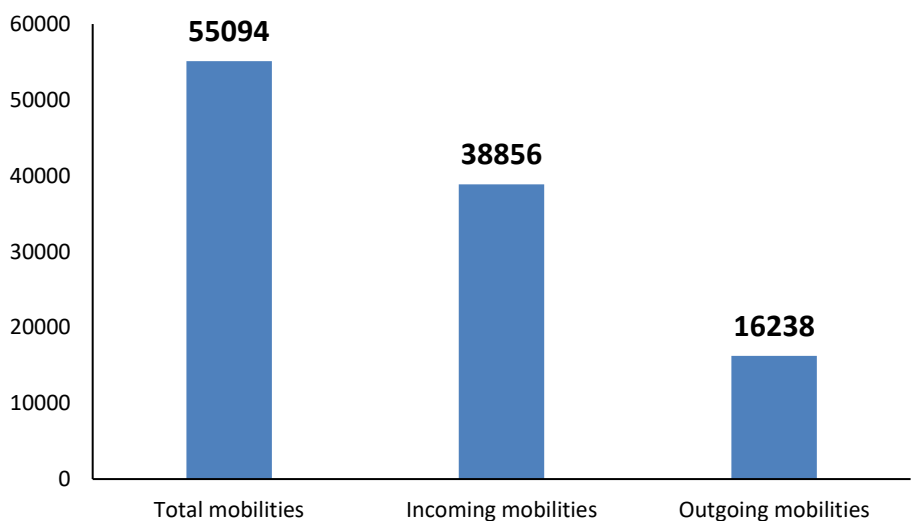
Average age for people in mobility



Average mobility duration in days

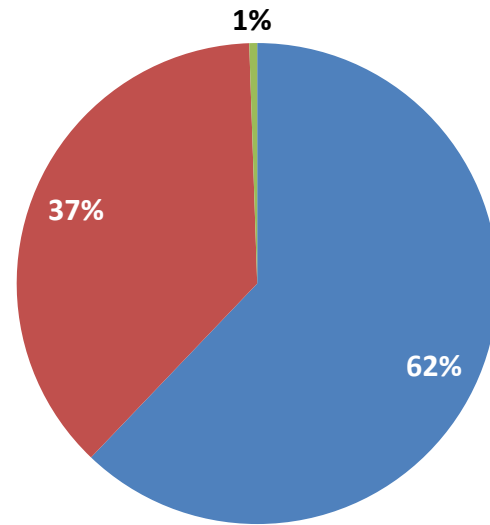


Total duration of mobilities in days

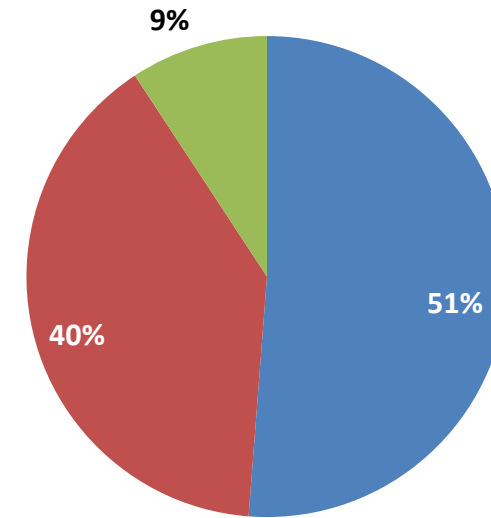


MOBILITY : DURATION (2007-2024)

France → Thailand



Thailand → France

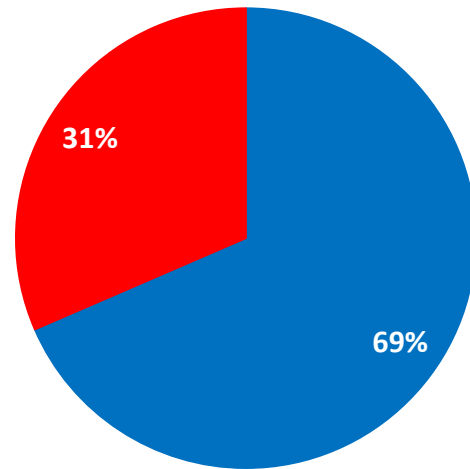


- < 15 days
- between 15 days and 3 months
- > 3 months

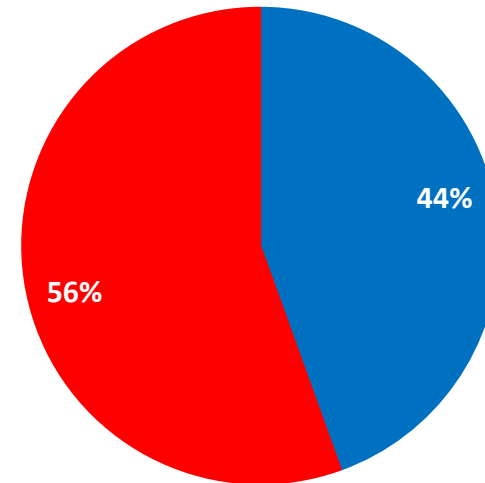
Data from 943 outgoing mobilities and 1189 incoming mobilities

MOBILITY : GENDER DISTRIBUTION (2007-2024)

France → Thailand



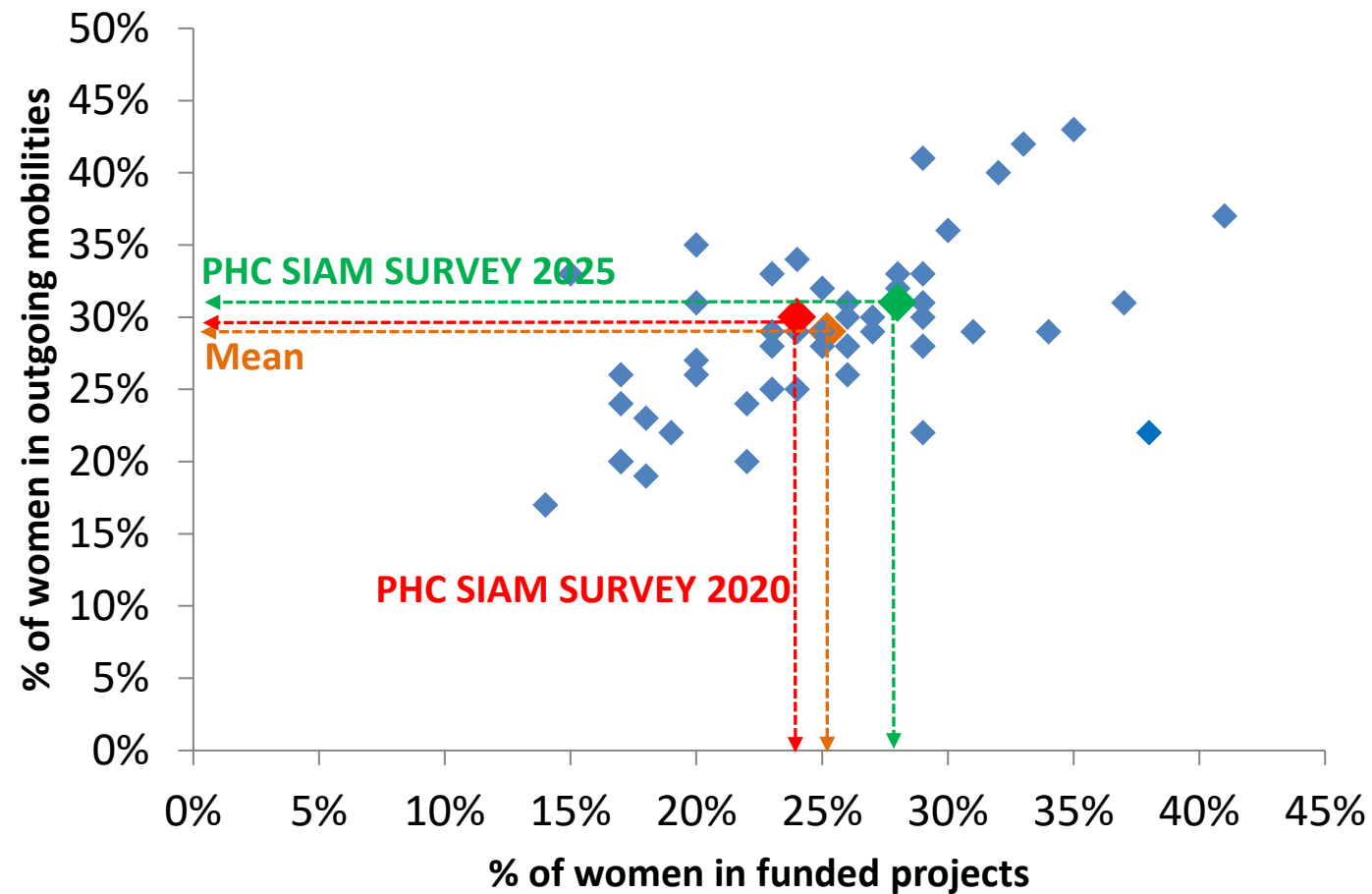
Thailand → France



■ Men ■ Women

Data from 943 outgoing mobilities and 1189 incoming mobilities

WOMEN MOBILITY FRANCE – THAILAND (2007-2024)

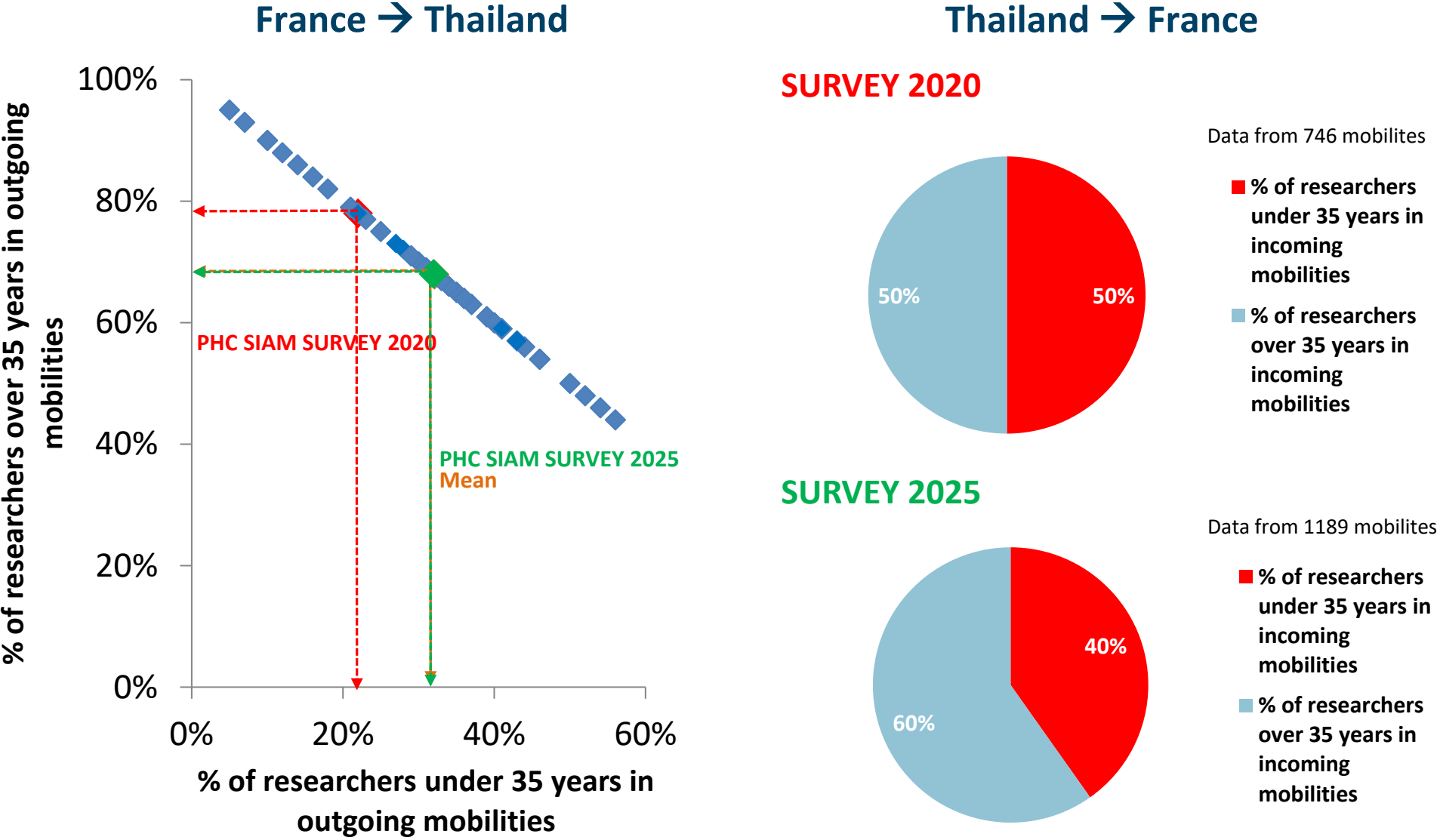


Data from 187 funded projects and 943 mobilities

Survey 2020 : 43 programs

Survey 2025 : 55 programs

YOUNG RESEARCHERS MOBILITY FRANCE – THAILAND (2007-2024)



Survey 2020 : 43 programs
 Survey 2025 : 55 programs



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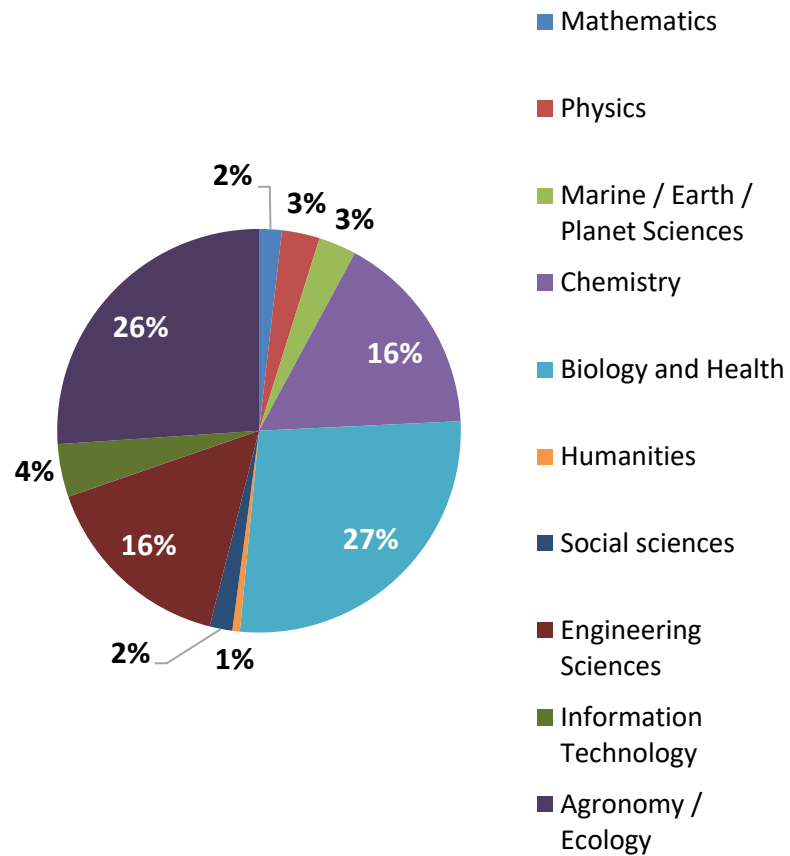
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SCIENTIFIC PRODUCTION (2007-2022)

SCIENTIFIC PRODUCTION 2007-2022

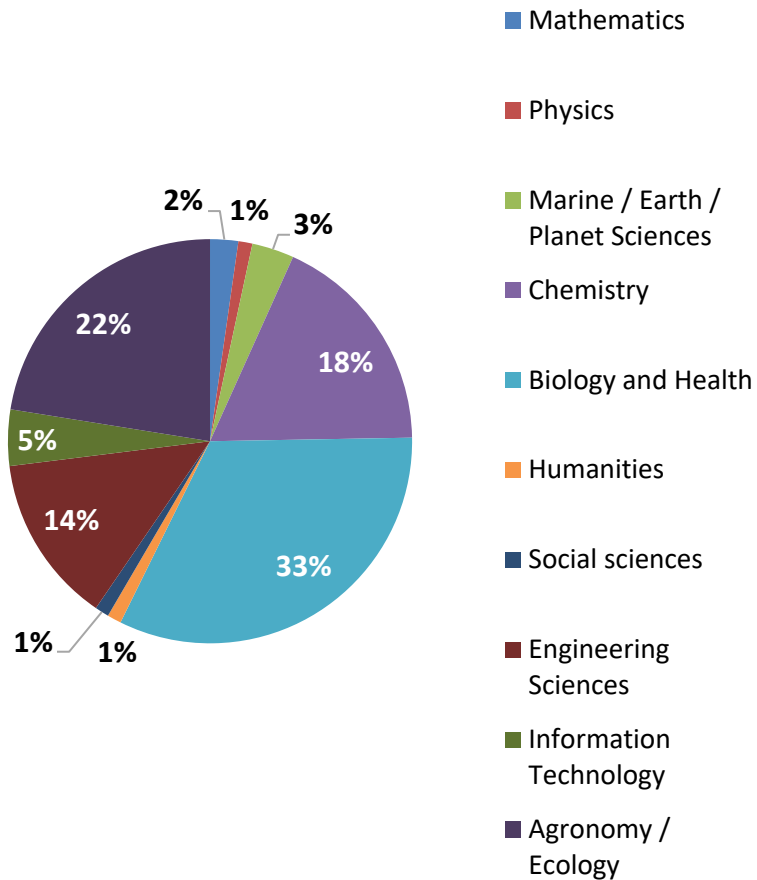
(DATA FROM CAMPUS FRANCE AND THE SURVEYS)

Funded projects 2007-2022



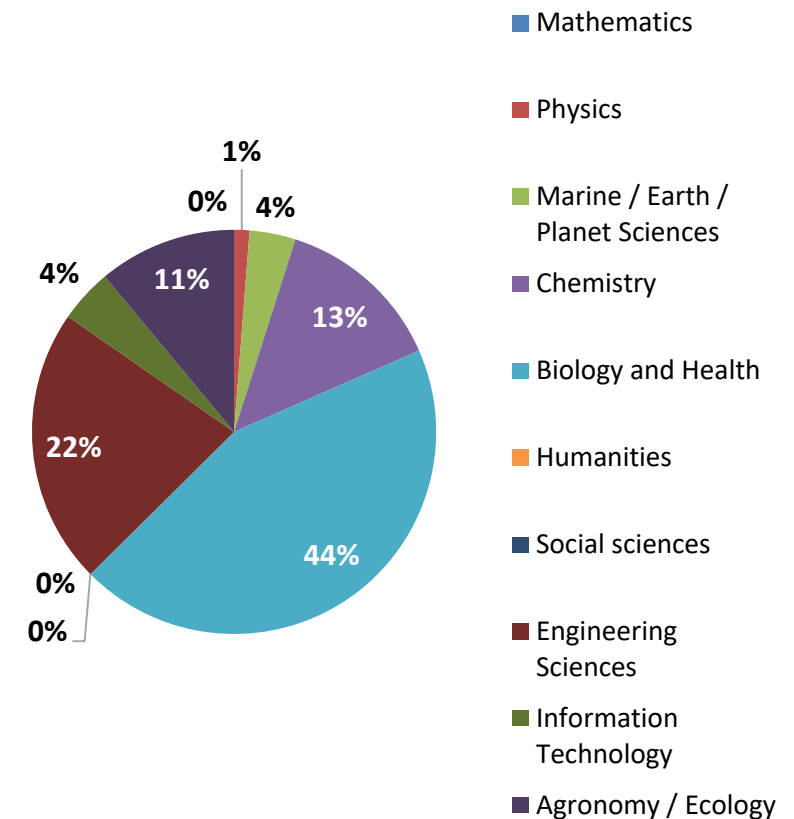
165 funded projects

Responses to the survey 2007-2022



88 responses

Coproductions 2007-2022



Analysis of 163 coproductions

SCIENTIFIC PRODUCTION (2007-2022)

ENQUETES 2020+2025

	Number of funded projects 2020 survey	Number of funded projects 2020+2025 surveys	Average annual number of scientific coproductions per project 2020 survey	Average annual number of scientific coproductions per project 2020+2025 surveys
Mathematics	2	2	0,0	0,0
Physics	1	1	1,0	1,0
Marine/Earth/Planet Sciences	3	3	1,0	1,0
Chemistry	11	16	0,5	0,7
Biology and Health	18	29	0,9	1,2
Humanities	1	1	0,0	0,0
Social Sciences	1	1	0,0	0,0
Engineering Sciences	10	12	1,5	1,5
Information Technology	4	4	0,0	0,9
Agronomy / Ecology	17	20	0,4	0,5
TOTAL/MOYENNE	68	88	0,7	0,9

Overall average annual number of scientific coproductions per project 2020 : 0,70 vs 0,96 mean
Overall average annual number of scientific coproductions per project 2020+2025 : 0,90

Enquêtes 2020+2025

53% of funded projects led to at least 1 scientific coproduction (vs 34% survey 2020)

43% of scientific coproductions involve at least 1 young researcher (vs 36% survey 2020)

The average annual rate of publication of young researchers implicated in the projects is **0,34** (not available survey 2020)

The average annual rate of young researchers implicated in the scientific coproductions is **1,25** (not available survey 2020)

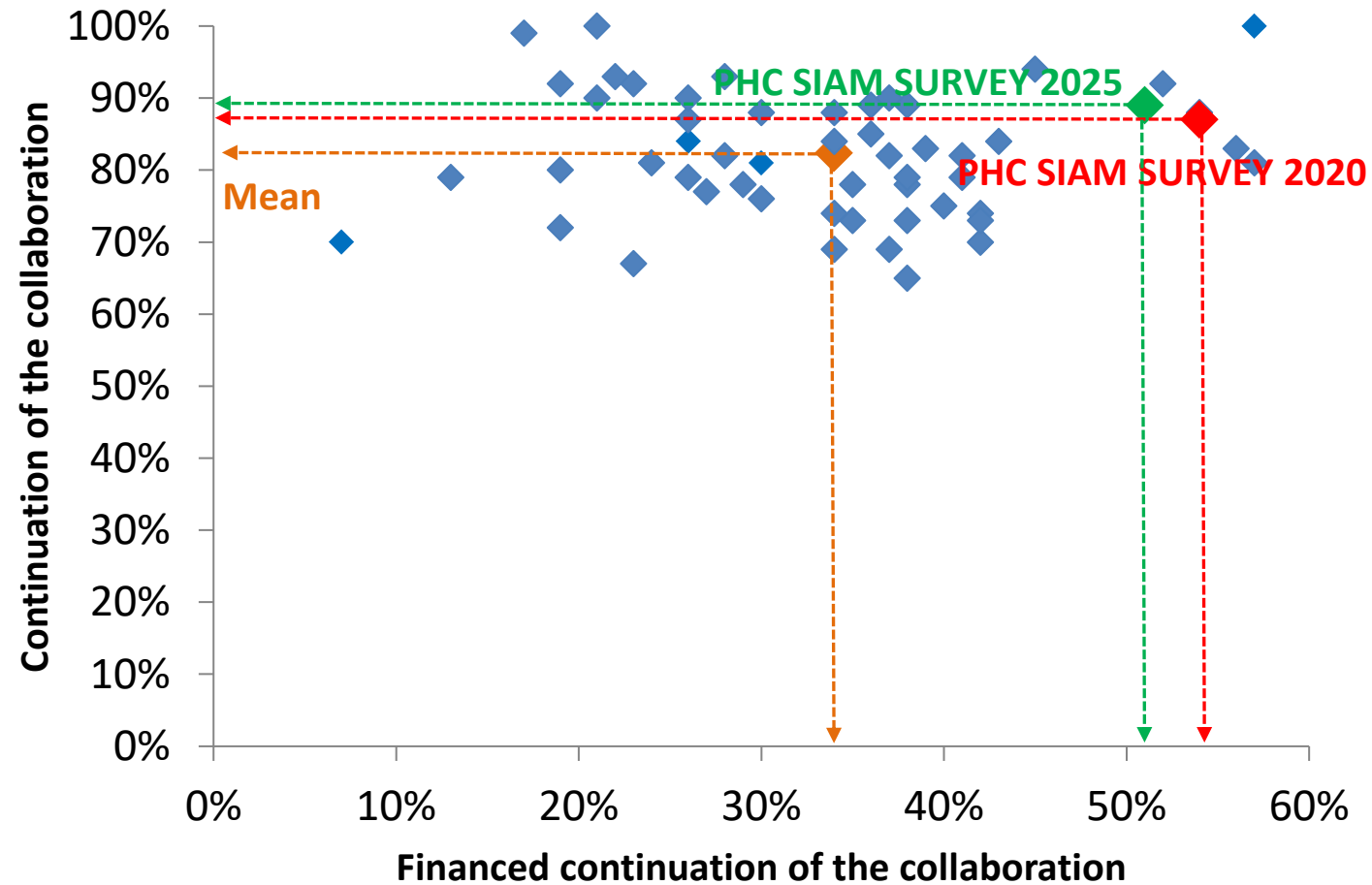


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WHAT HAPPENS AFTER A SIAM PROJECT ?

CONTINUATION OF THE COOPERATION



Data from 87 responses (continuation) and 72 responses (financing)

Survey 2020 : 43 programs

Survey 2025 : 55 programs

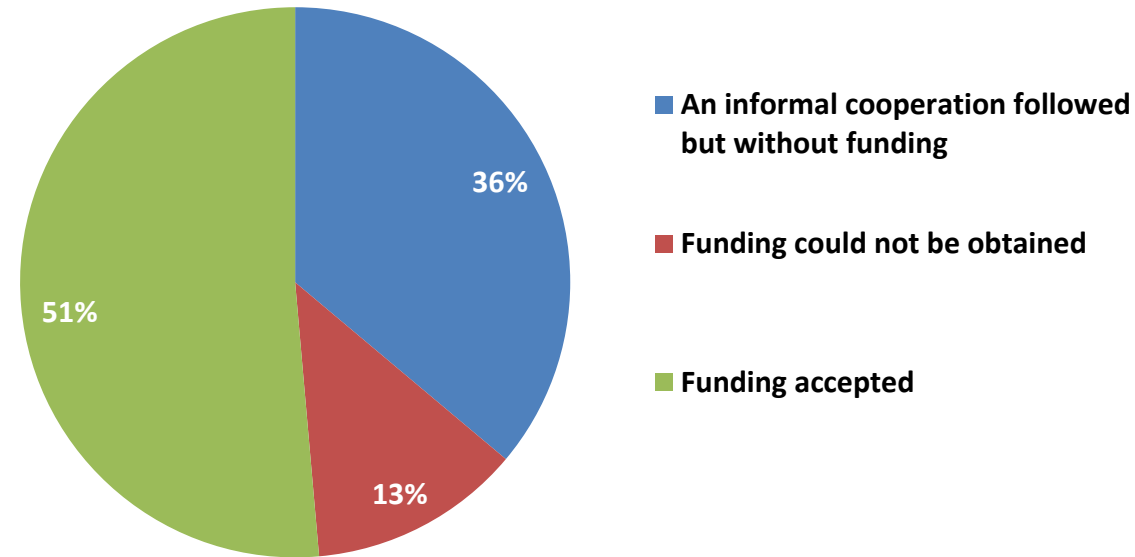
CONTINUATION OF THE COOPERATION

89% of the cooperations continued after the SIAM project

Which activities?	
Scientific co-productions	70%
Cooperative research	65%
Researchers mobilities	58%
PhD mobilities	42%
Joint participation to PhD thesis	35%
Joint participation to conferences	30%
Co-organisation of scientific events	25%
Joint diplomas (Master, PhD...)	5%
Other	13%

CONTINUATION OF THE COOPERATION

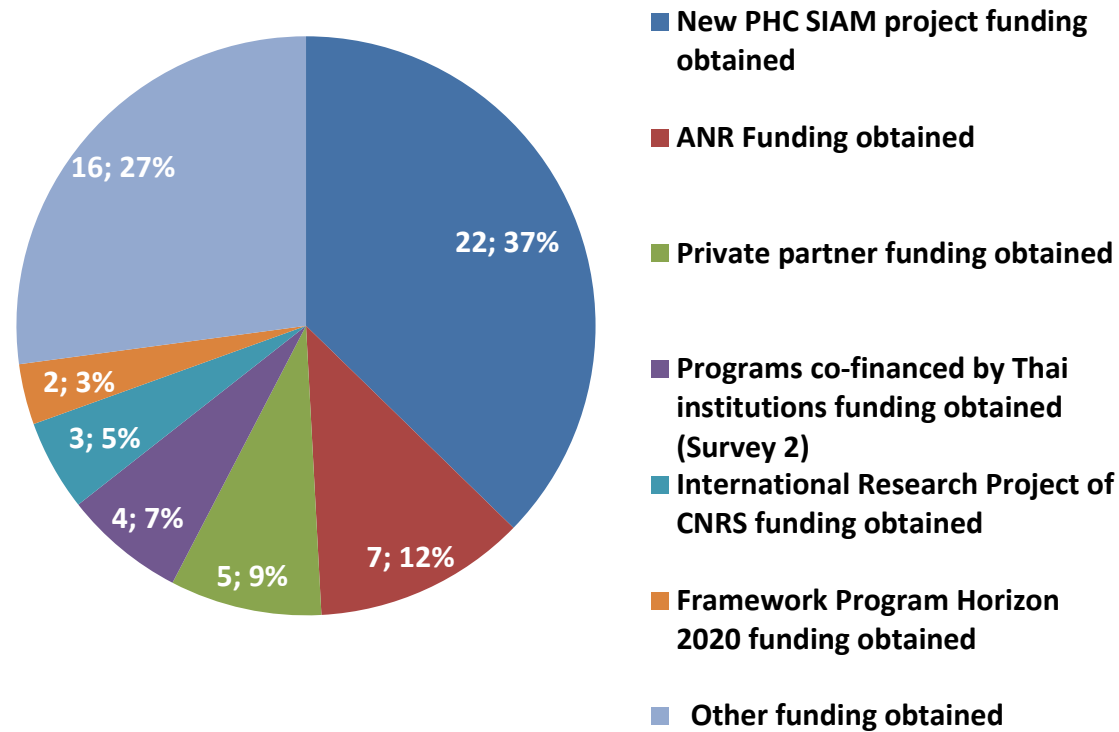
51% of cooperations have been funded following the project



Data from 72 responses

CONTINUATION OF THE COOPERATION

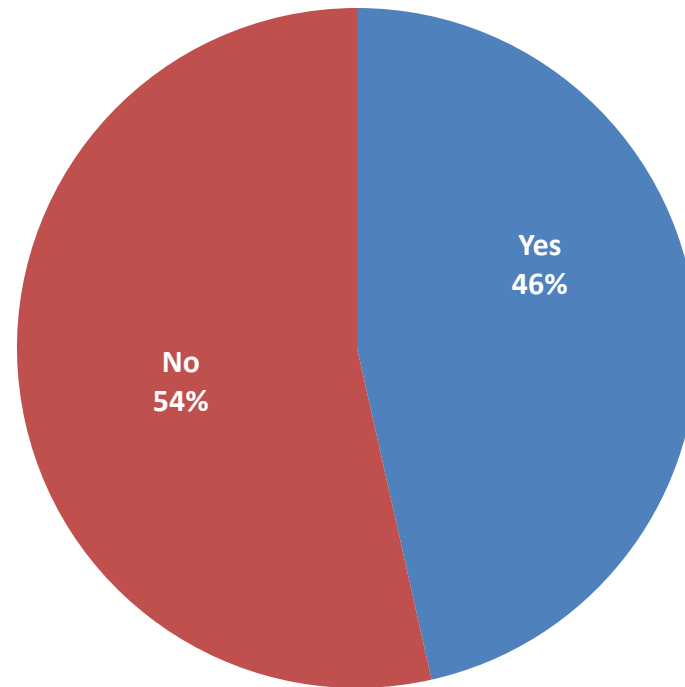
What kind of funded collaborations after the PHC SIAM project ?



Data from 56 responses

CONTINUATION OF THE COOPERATION

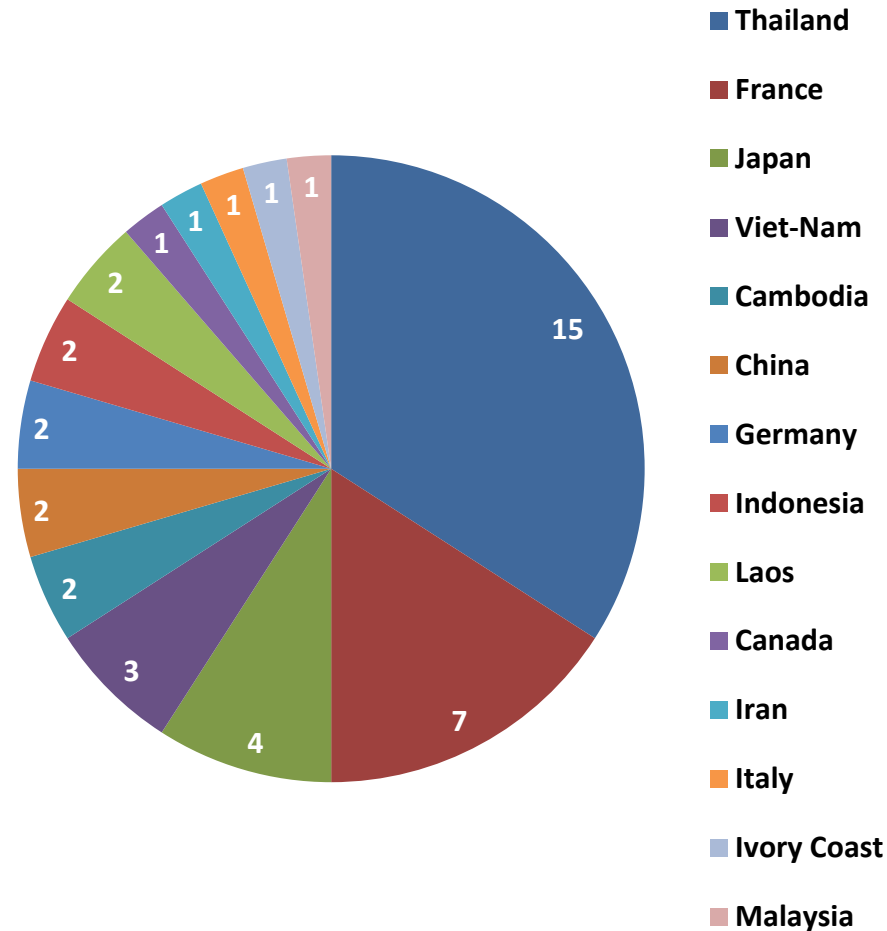
Has the French-Thai cooperation involved new partners?



Data from 71 responses

CONTINUATION OF THE COOPERATION

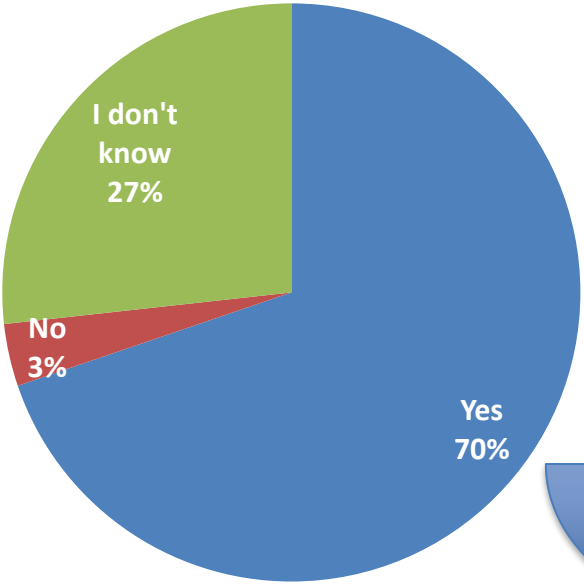
If the French-Thai cooperation involves new partners, list with which countries



Data from 31 responses

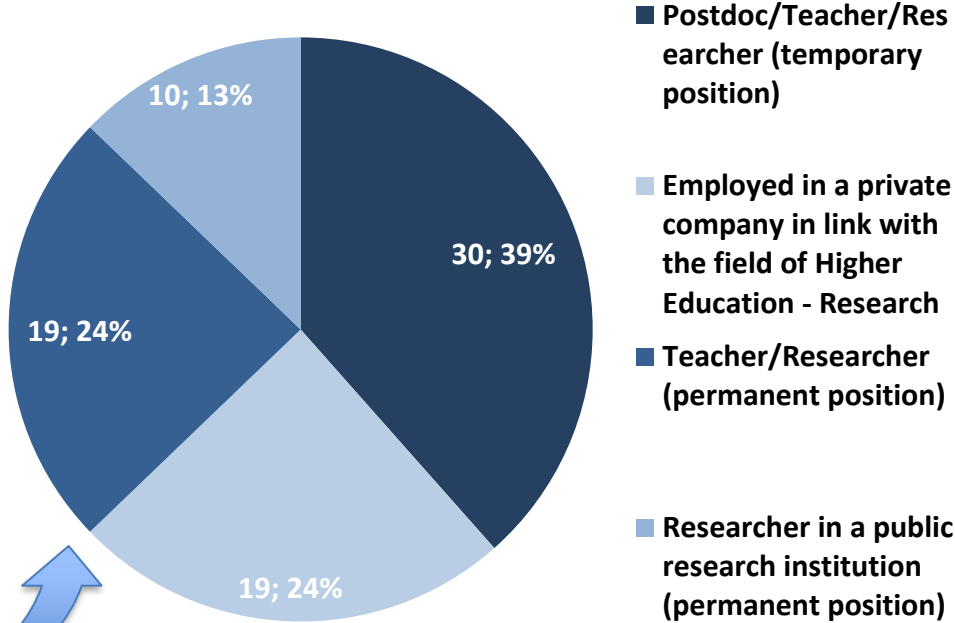
IMPACT ON YOUNG RESEARCHERS' CAREER

Was young researchers' career impacted by the PHC SIAM program ?



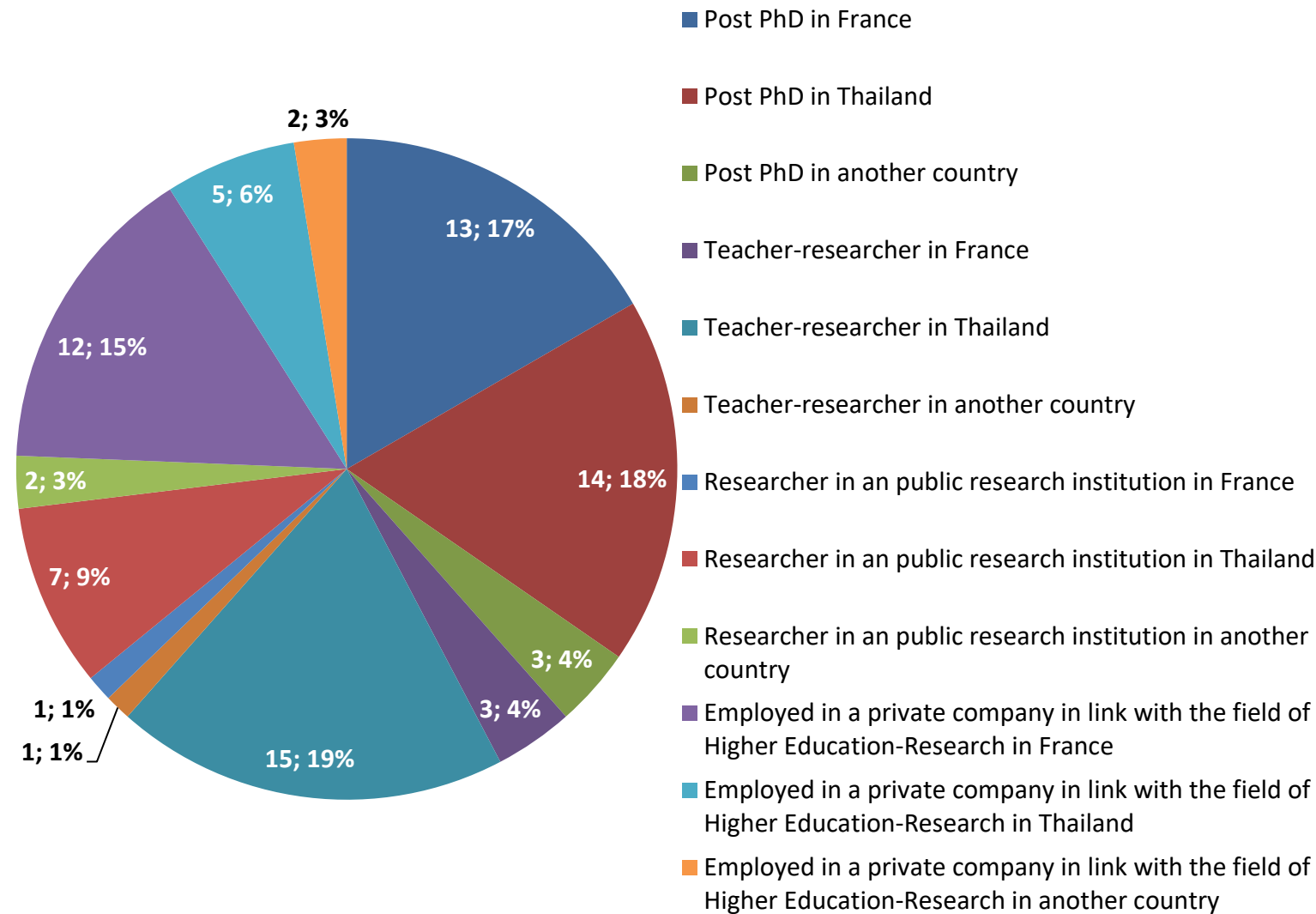
Data from 86 responses

Type of impacts



Data from 52 positive responses
for a total of 78 young researchers

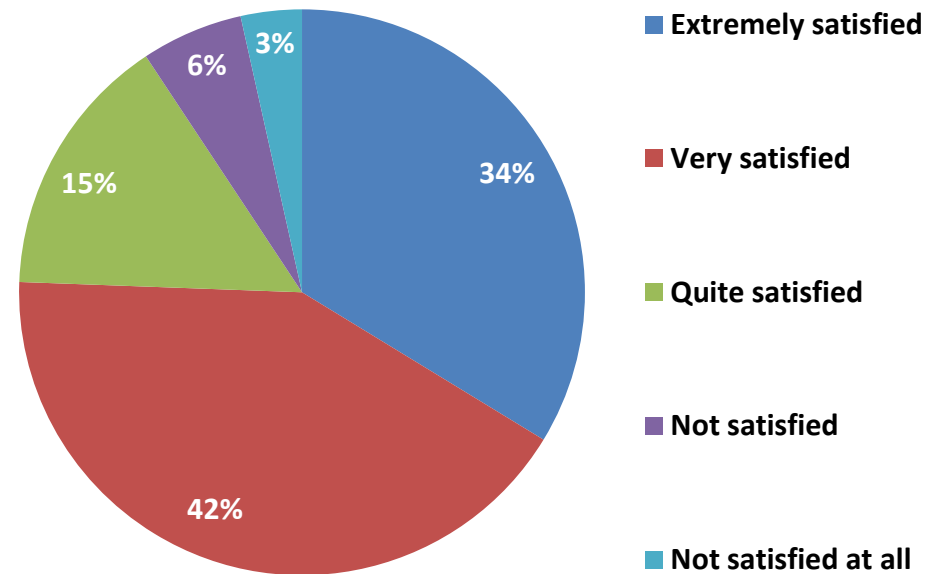
IMPACT ON YOUNG RESEARCHERS' CAREER



Data from 52 positive responses for a total of 78 young researchers

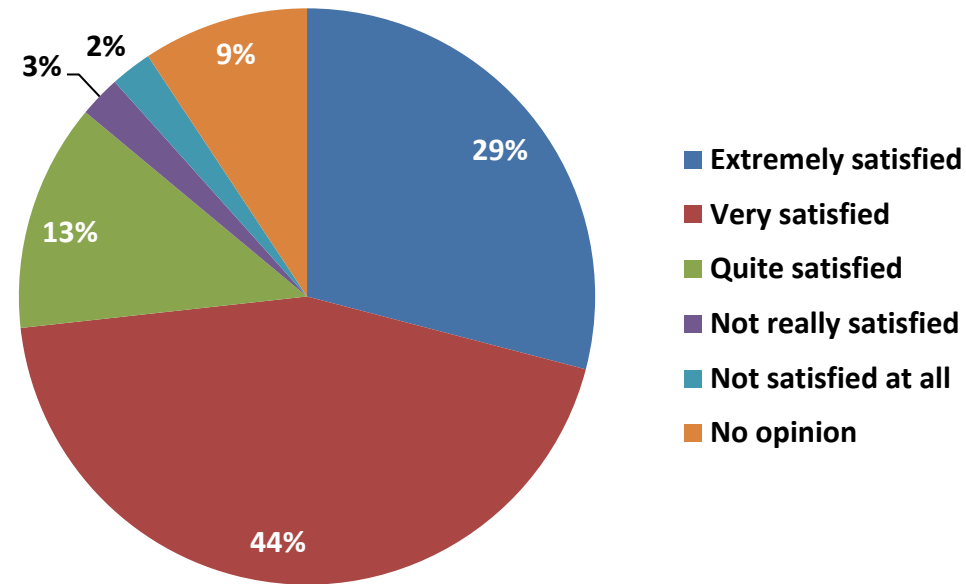
GENERAL OPINION OF FRENCH PRINCIPAL INVESTIGATORS ON THE PROGRAM

91% of French principal investigators are satisfied



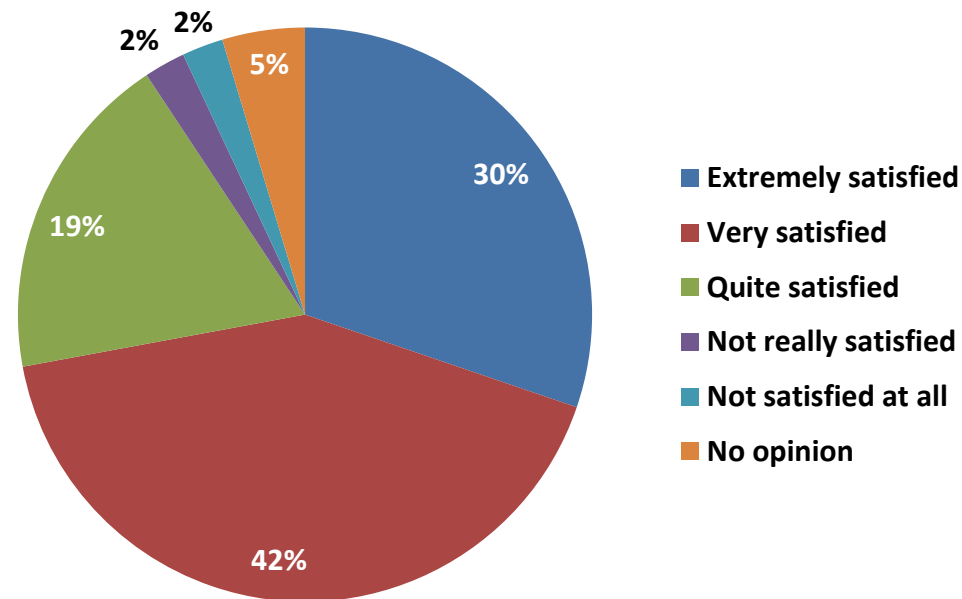
Data from 86 responses

OPINION OF FRENCH PRINCIPAL INVESTIGATORS ABOUT FRENCH EMBASSY HELP



Data from 86 responses

OPINION OF FRENCH PRINCIPAL INVESTIGATORS ABOUT ADMINISTRATIVE MANAGEMENT

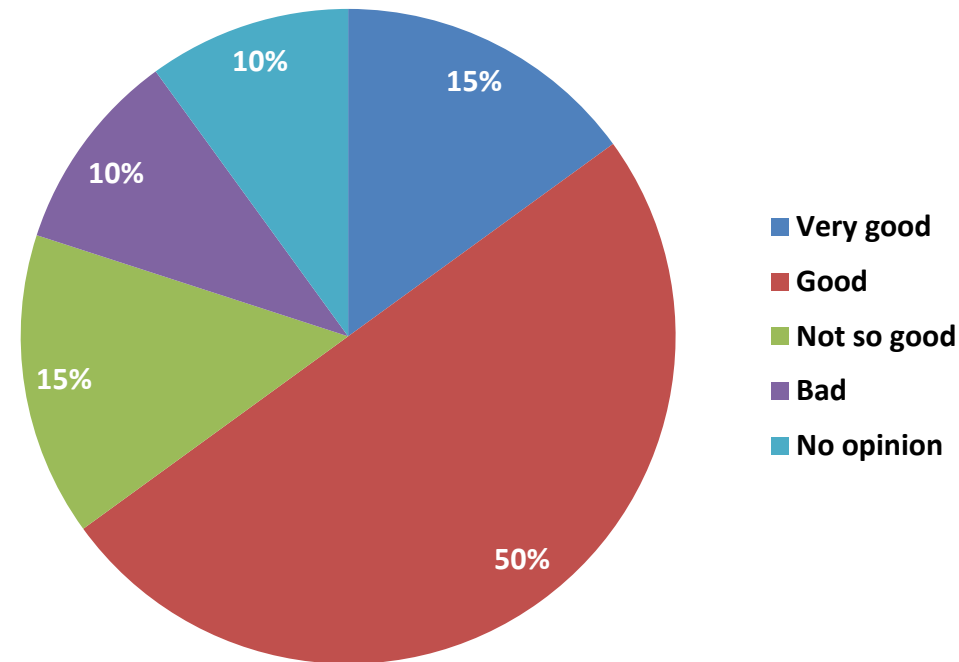


Data from 86 responses

OPINION OF FRENCH PIS

ABOUT UNDERSTANDING THE ROLE OF THE DIFFERENT FRENCH ACTORS IN THE PROGRAM 2019-2022

(DATA FROM SURVEY 2)



Data from 20 responses

GENERAL OPINION OF FRENCH PIS ON THE PROGRAM

POSITIVE COMMENTS



Strengths of this program	Number of occurrences (out of 579)	% of funded projects
Fostering an international research cooperation	76	86%
Fostering researchers' mobility	75	85%
Fostering the training of young researchers	61	69%
Fostering exchanges enabling scientific production	54	61%
Helping to know the partner country	49	56%
Simplicity of the project application process	45	51%
Easy implementation (administrative flexibility)	40	45%
Sufficient financial means for the mobility costs	32	36%
Good scientific-added value on financial investment	31	35%
Helpful to initiate other fundraising	28	32%
Financial autonomy towards your institution	26	30%
Sufficient amount of mobility time given to collaborate	20	23%
Sufficiently long duration of the projects	17	19%
Timetable for implementation	14	16%
Transparency of the selection process	6	7%
Flexibility of the programme for actions co-financed with the Thai partner	3	15%
Other	2	2%
<i>Total number of occurrences</i>	579	

GENERAL OPINION OF FRENCH PIS ON THE PROGRAM

NEGATIVE COMMENTS



Weaknesses of this program	Number of occurrences (out of 230)	% of funded projects
Insufficient financial means to cover a project	49	56%
Length of support too short	36	41%
Difficult to continue the cooperation	25	28%
Lack of transparency in the selection process	19	22%
Too short duration of mobilities	18	20%
Financial means insufficient for the expenditure of mobility (per diem)	14	16%
Insufficient communication on the evaluation's results	11	13%
Administrative heaviness of the missions management	11	13%
Financial means insufficient for the expenditure of mobility (transport)	9	10%
Too low number of mobilities	9	10%
Heaviness of the process of applications	7	8%
Flexibility of the program for actions co-financed with the partner	5	6%
Financial autonomy towards your institution	3	3%
Timetable for implementation	3	3%
Too long duration of mobilities	0	0%
Other	11	13%
<i>Total number of occurrences</i>	230	

PRELIMINARY CONCLUSIONS

Preliminary conclusions suggest that the funding scheme has efficiently contributed to create (or to maintain) fruitful and long-term cooperation.

Implication of women laureates (27%) better than the general mean (25%)

Average annual scientific coproductions per project close to the average of the other programs (0,9 vs 0,96)

Rather good rate of average annual publications for young researchers involved in the scientific coproductions (1,25)

Continuation of the cooperation (89%) better than the general mean (82%) (with 51% with new fundings versus 34% for the general mean)

Only 33% of new cooperations (mean of all programs : 54%)

Implication of young researchers laureates (11%) below the general mean (23%)

72% of the cooperations with the same previous thai partner (mean of all programs : 45%)

47% of the projects with no scientific coproduction

Only 55% of funded projects with the participation of at least one french or thai young researcher

Only 27% of french and thai young researchers involved in the scientific coproductions (mean of all programs : 52%)

Rather low implication of young researchers in the mobilities but similar to the mean of all programs (32%)

Rather low rate of average annual publications for young researchers involved in the projects (0,34)

The ongoing cooperation is financed by a new SIAM funding for 37% of the Pis

COMPARISON SURVEY 2020 (2007-2018) – SURVEY 2025 (2007-2022)

- Response rate : 2020 : 62% (68 responses), 2025 : 50% (20 responses)
- Stability in the average annual number of applications (survey 1 : 43, survey 2 : 41)
- Small decrease in the number of selected projects carried by young researchers (11% vs 15%)
- Small increase in the number of women applicants (25% vs 27%) and laureates (28% vs 26%)
- Better participation of young french researchers to the projects (+8%) and for their involvement in the scientific coproductions (+3%)
- Better rate outgoing mobilities of french young researchers (+10%) but decrease for the incoming mobilities of thai young researchers (-10%)
- Stability in the outgoing mobilities for women researchers (+1%)
- Stability in the average annual number of scientific coproductions per project (0,9 vs 0,7)
- Small increase of the continuation of cooperations (+2%)
- Small decrease in the continuation of cooperations with financing (-3%)

PRELIMINARY RECOMMENDATIONS

- Encourage new cooperations
- Encourage young researchers applications
- Enhance scientific coproductions (from the surveys : 43% of projects with no scientific coproduction)
- Increase the participation of young researchers to the projects and the scientific coproductions
- Promote both outgoing and incoming mobilities of young researchers

French national ministries (MESR / MEAE) will provide a complete analysis of the survey. It will be sent to the recipients of the funding who participated in this survey.

CONTACTS

christophe.delacourt@recherche.gouv.fr

robert.gardette@recherche.gouv.fr

kristiana.stoitseva@recherche.gouv.fr

emilie.bourgois@recherche.gouv.fr

benoit.talleu@recherche.gouv.fr



**MINISTÈRE
CHARGÉ
DE L'ENSEIGNEMENT
SUPÉRIEUR
ET DE LA RECHERCHE**

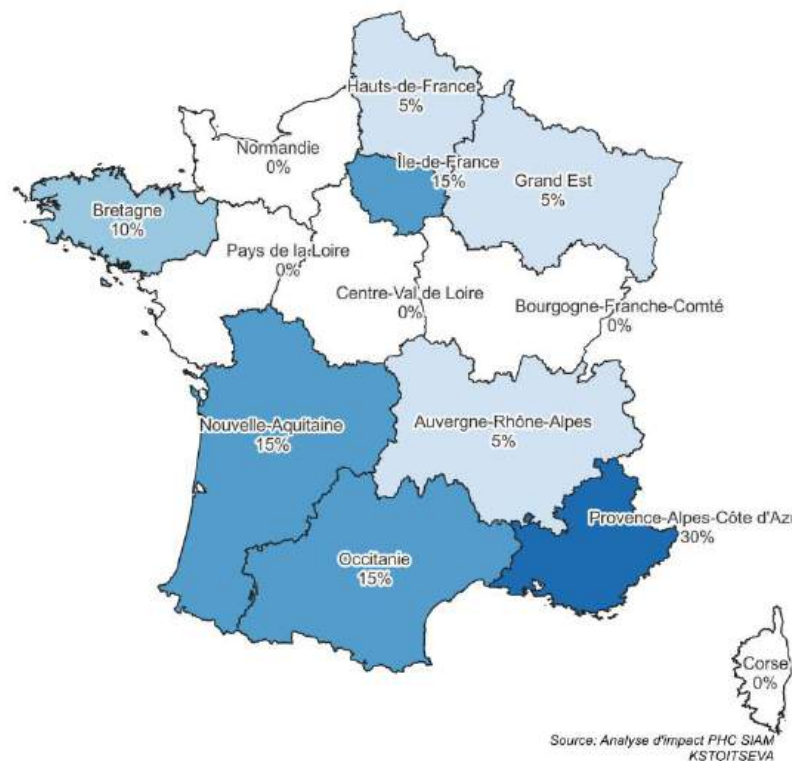
*Liberté
Égalité
Fraternité*

ANNEX REGIONALISATION AND SCIENTIFIC DOMAINS (CARTOGRAPHIES)

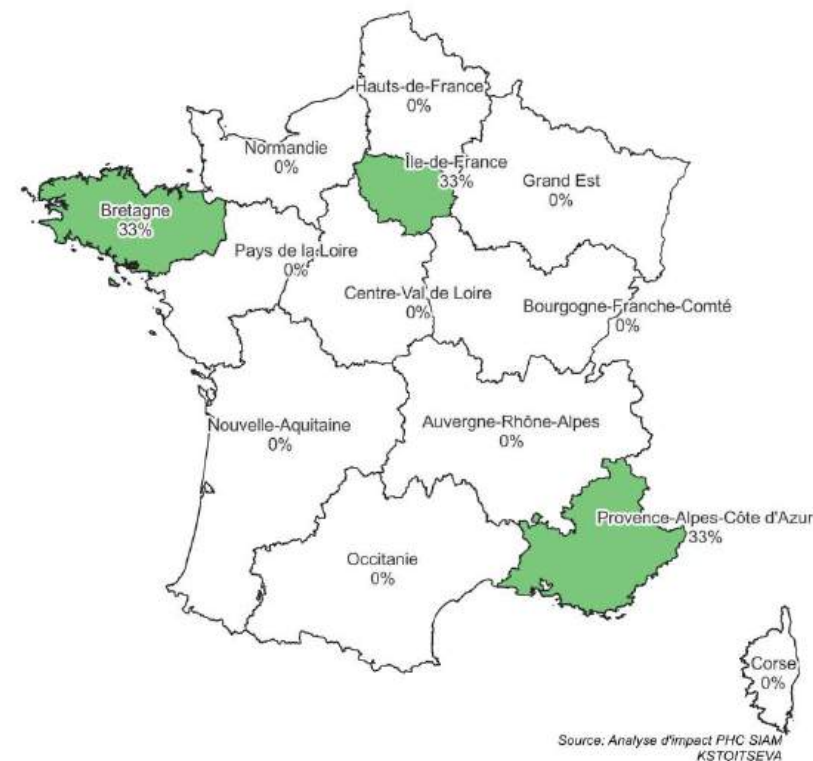
REGIONAL DISTRIBUTION OF SELECTED PROJECTS (2007-2024)

PHC SIAM

Regional percentages of applications and selections *Mathematics 2007-2024*



Number of applications : 20



Number of selections : 3

Eight regions are concerned for applications with Provence-Alpes-Côte d'Azur ahead. Only three regions are concerned for selections.

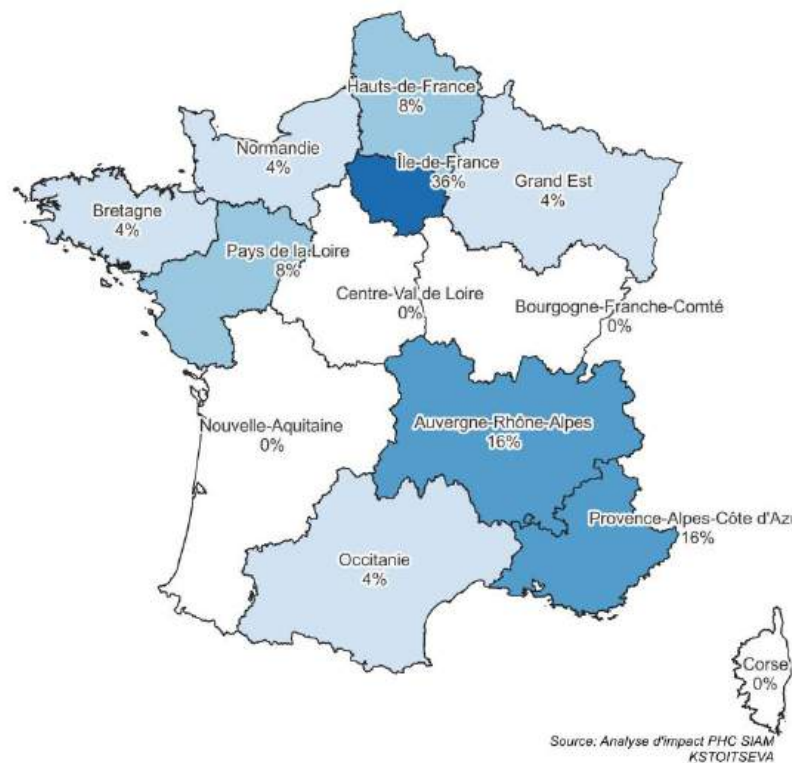
**% OF REGIONAL APPLICATIONS/SELECTIONS FOR EACH SCIENTIFIC DOMAIN AS COMPARED TO
THE TOTAL NUMBER OF APPLICATIONS/SELECTIONS IN THE SCIENTIFIC DOMAIN**

REGIONAL DISTRIBUTION OF SELECTED PROJECTS (2007-2024)

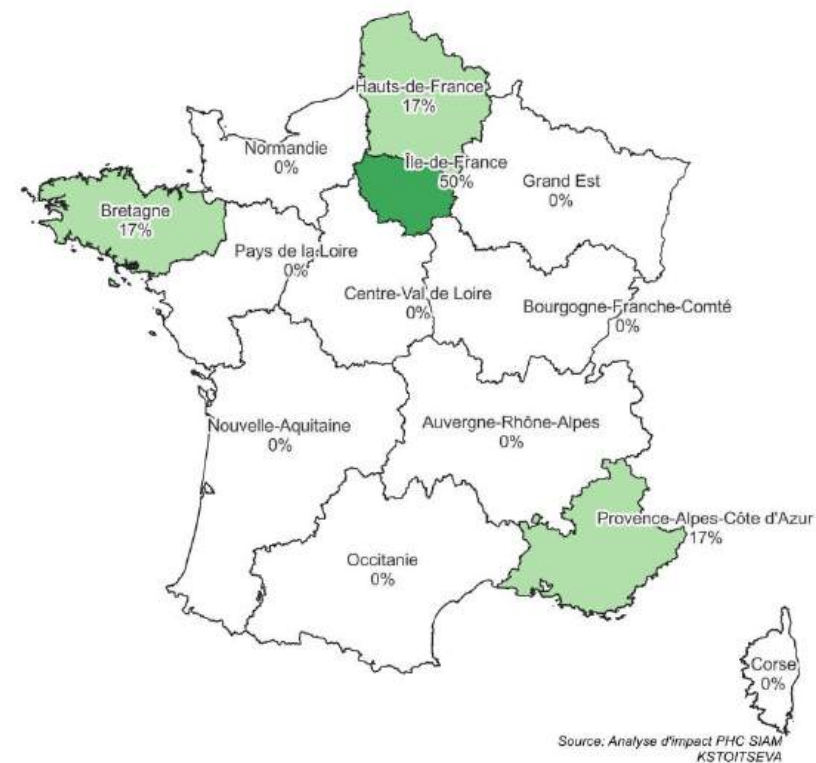
PHC SIAM

Regional percentages of applications and selections

Physics 2007-2024



Number of applications : 25



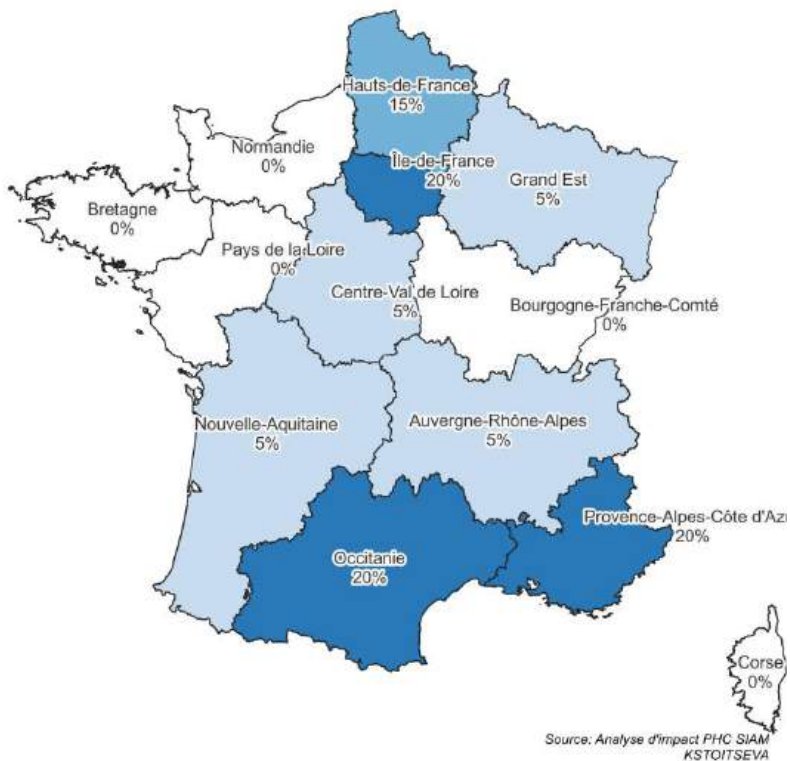
Number of selections : 6

Nine regions are concerned for applications with Ile-de-France ahead but only four benefit selections (with Ile-de-France still ahead)

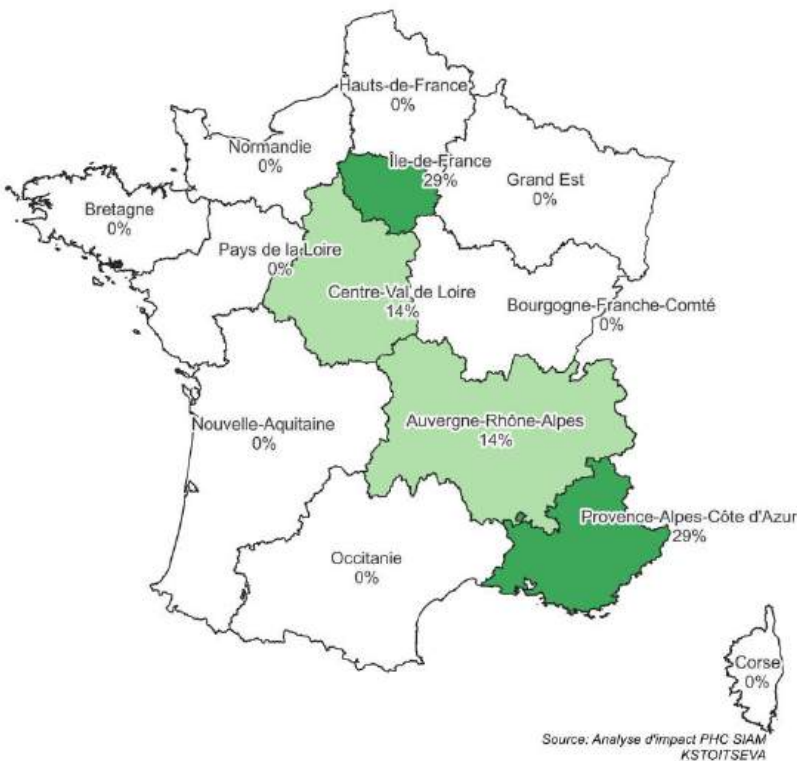
**% OF REGIONAL APPLICATIONS/SELECTIONS FOR EACH SCIENTIFIC DOMAIN AS COMPARED TO
THE TOTAL NUMBER OF APPLICATIONS/SELECTIONS IN THE SCIENTIFIC DOMAIN**

REGIONAL DISTRIBUTION OF SELECTED PROJECTS (2007-2024)

PHC SIAM Regional percentages of applications and selections *Marine, Earth, Planet Sciences 2007-2024*



Number of applications : 20



Number of selections : 7

Nine regions are concerned for applications (including La Réunion) but only five benefit selections including La Réunion (with Île-de-France and Provence-Alpes-Côte d'Azur ahead)

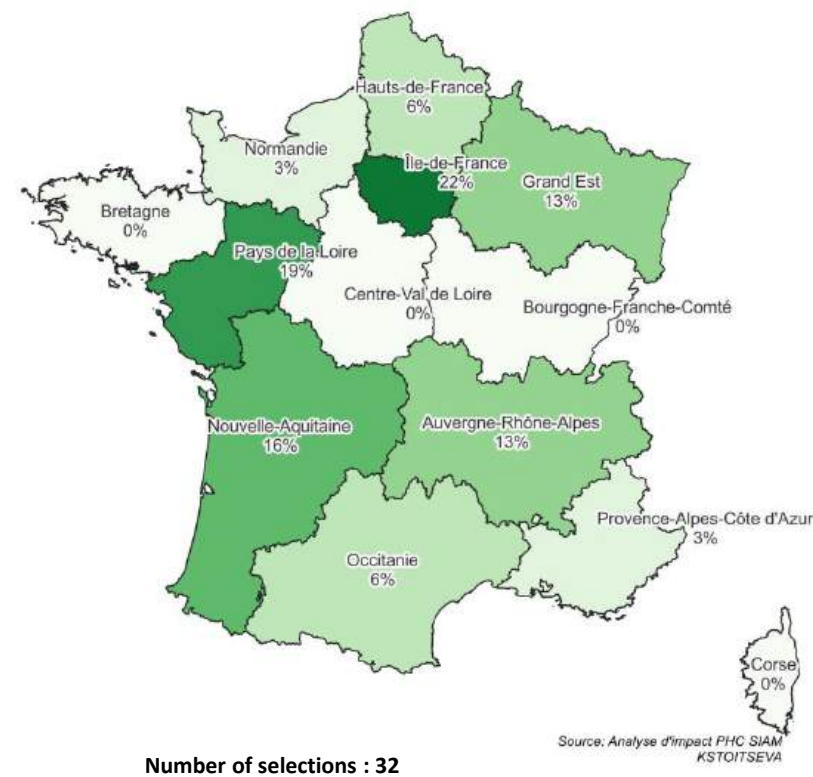
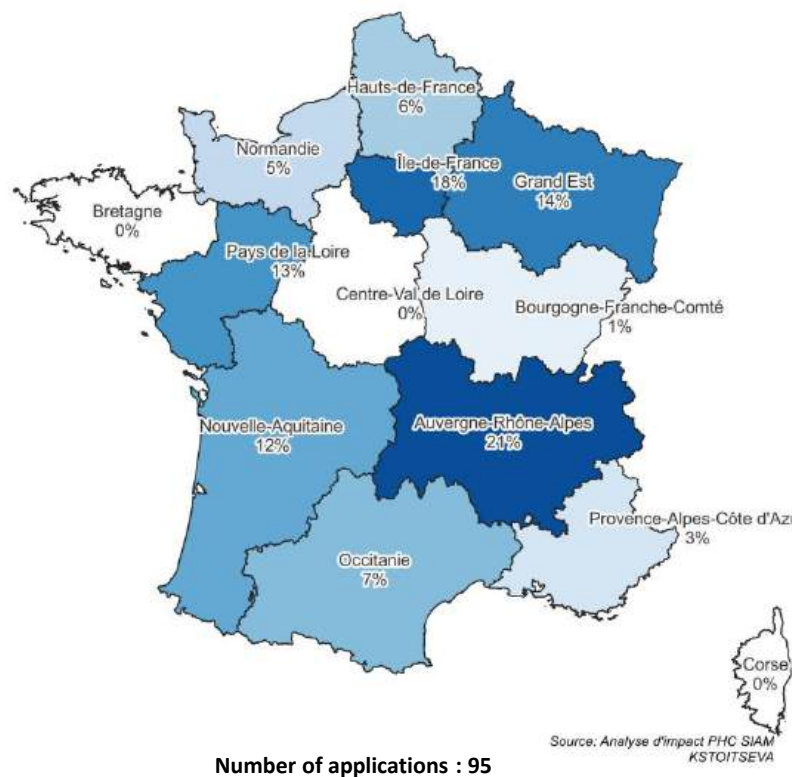
% OF REGIONAL APPLICATIONS/SELECTIONS FOR EACH SCIENTIFIC DOMAIN AS COMPARED TO THE TOTAL NUMBER OF APPLICATIONS/SELECTIONS IN THE SCIENTIFIC DOMAIN

REGIONAL DISTRIBUTION OF SELECTED PROJECTS (2007-2024)

PHC SIAM

Regional percentages of applications and selections

Chemistry 2007-2024



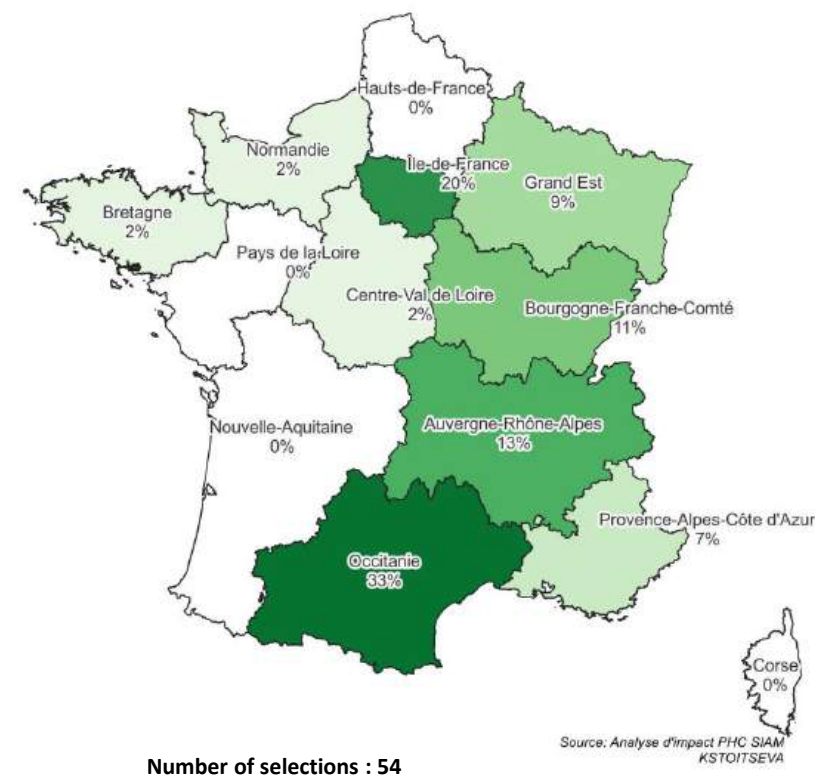
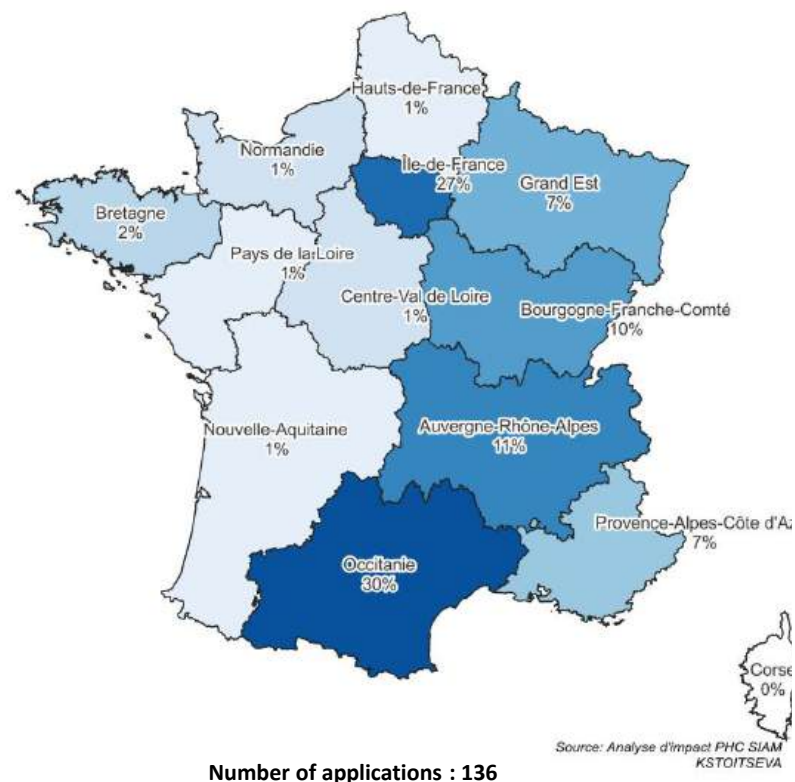
Ten regions are concerned for applications with Auvergne-Rhône-Alpes ahead. Nine regions are concerned by selections with Ile-de-France ahead.

**% OF REGIONAL APPLICATIONS/SELECTIONS FOR EACH SCIENTIFIC DOMAIN AS COMPARED TO
THE TOTAL NUMBER OF APPLICATIONS/SELECTIONS IN THE SCIENTIFIC DOMAIN**

REGIONAL DISTRIBUTION OF SELECTED PROJECTS (2007-2024)

PHC SIAM

Regional percentages of applications and selections *Biology and Health 2007-2024*

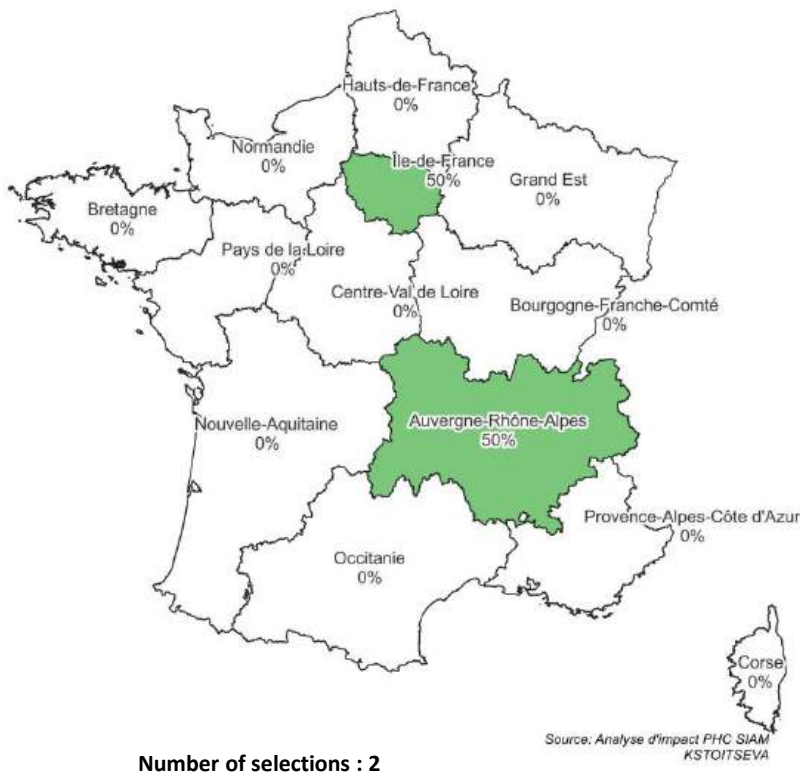
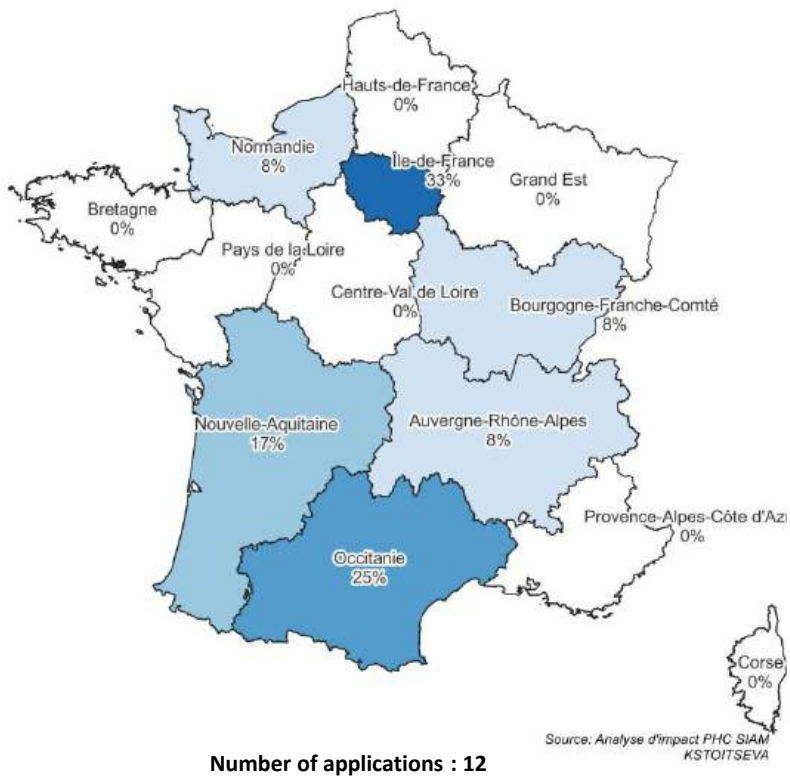


Twelve regions are concerned for applications with Occitanie ahead but only nine benefit selections (with Occitanie still ahead)

**% OF REGIONAL APPLICATIONS/SELECTIONS FOR EACH SCIENTIFIC DOMAIN AS COMPARED TO
THE TOTAL NUMBER OF APPLICATIONS/SELECTIONS IN THE SCIENTIFIC DOMAIN**

REGIONAL DISTRIBUTION OF SELECTED PROJECTS (2007-2024)

PHC SIAM Regional percentages of applications and selections *Humanities 2007-2024*



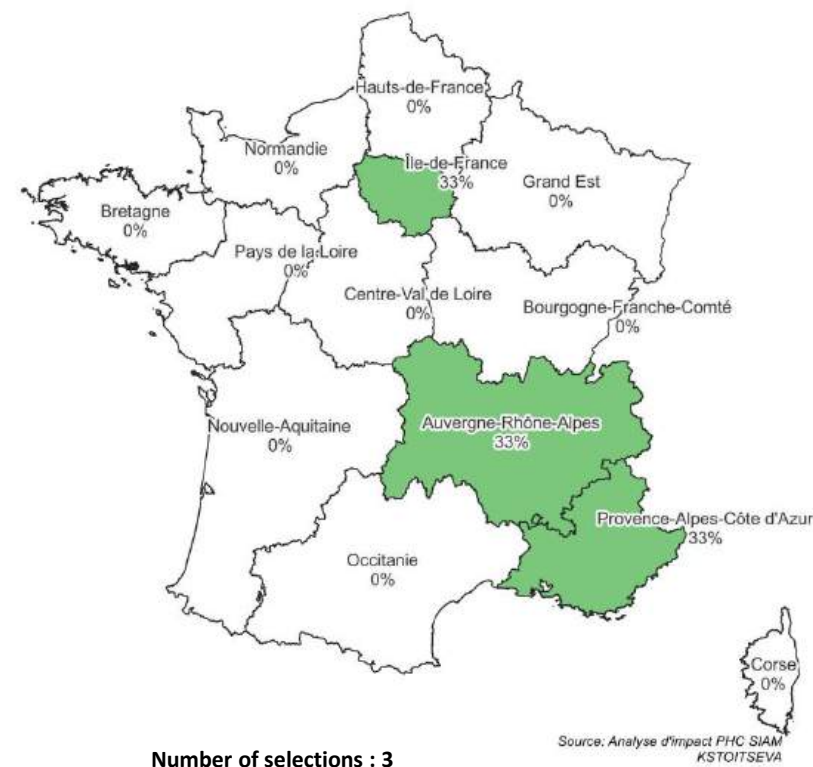
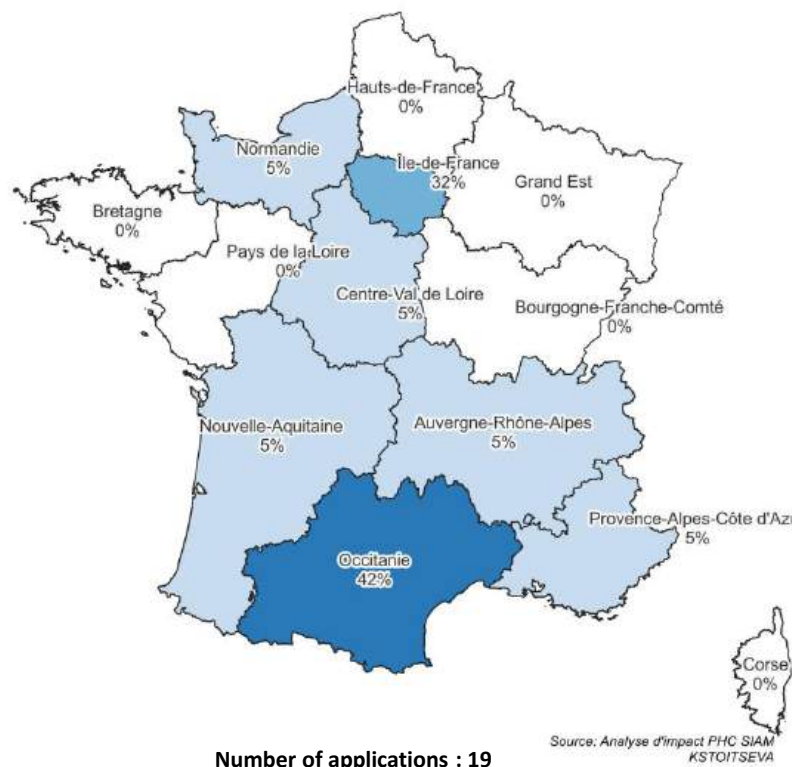
Six regions are concerned for applications with Ile-de-France ahead but only two benefit selections (Ile-de-France and Auvergne-Rhône-Alpes)

% OF REGIONAL APPLICATIONS/SELECTIONS FOR EACH SCIENTIFIC DOMAIN AS COMPARED TO THE TOTAL NUMBER OF APPLICATIONS/SELECTIONS IN THE SCIENTIFIC DOMAIN

REGIONAL DISTRIBUTION OF SELECTED PROJECTS (2007-2024)

PHC SIAM

Regional percentages of applications and selections *Social Sciences 2007-2024*

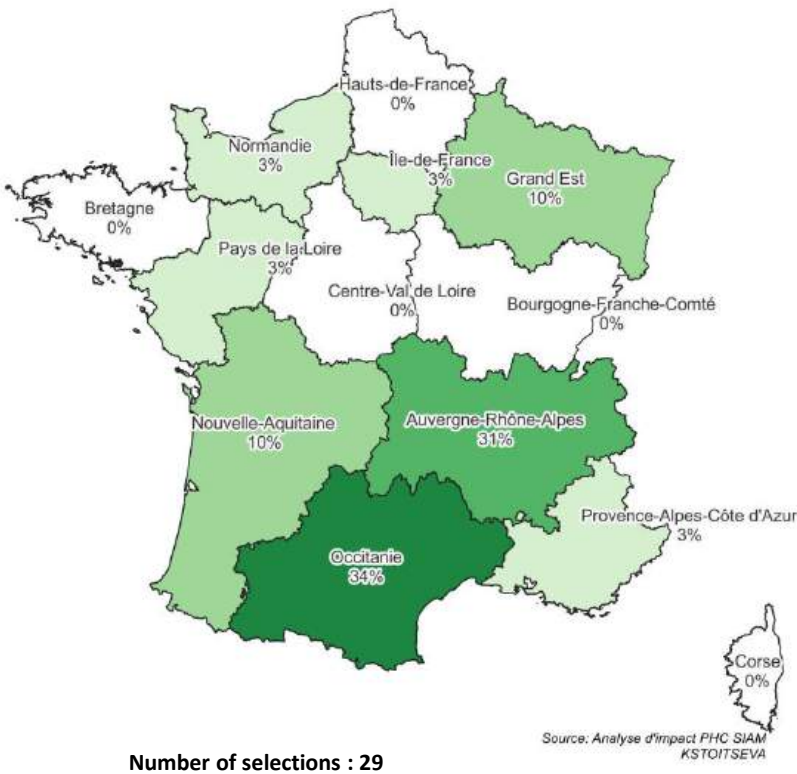
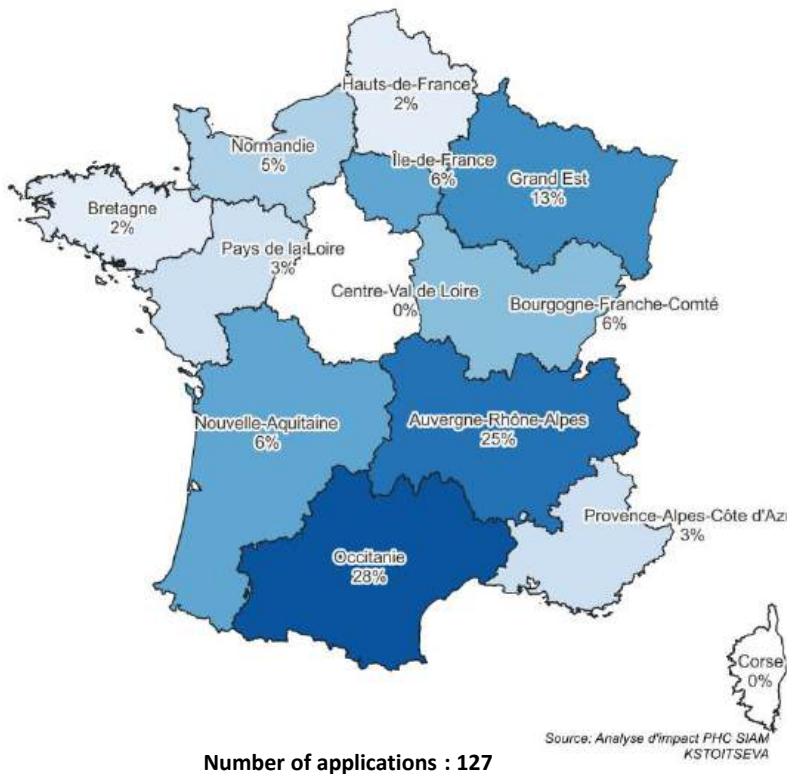


Seven regions are concerned for applications with Occitanie ahead but only three benefit selections
(Île-de-France, Auvergne-Rhône-Alpes, Provence-Alpes-Côte d'Azur)

**% OF REGIONAL APPLICATIONS/SELECTIONS FOR EACH SCIENTIFIC DOMAIN AS COMPARED TO
THE TOTAL NUMBER OF APPLICATIONS/SELECTIONS IN THE SCIENTIFIC DOMAIN**

REGIONAL DISTRIBUTION OF SELECTED PROJECTS (2007-2024)

PHC SIAM Regional percentages of applications and selections *Engineering Sciences 2007-2024*



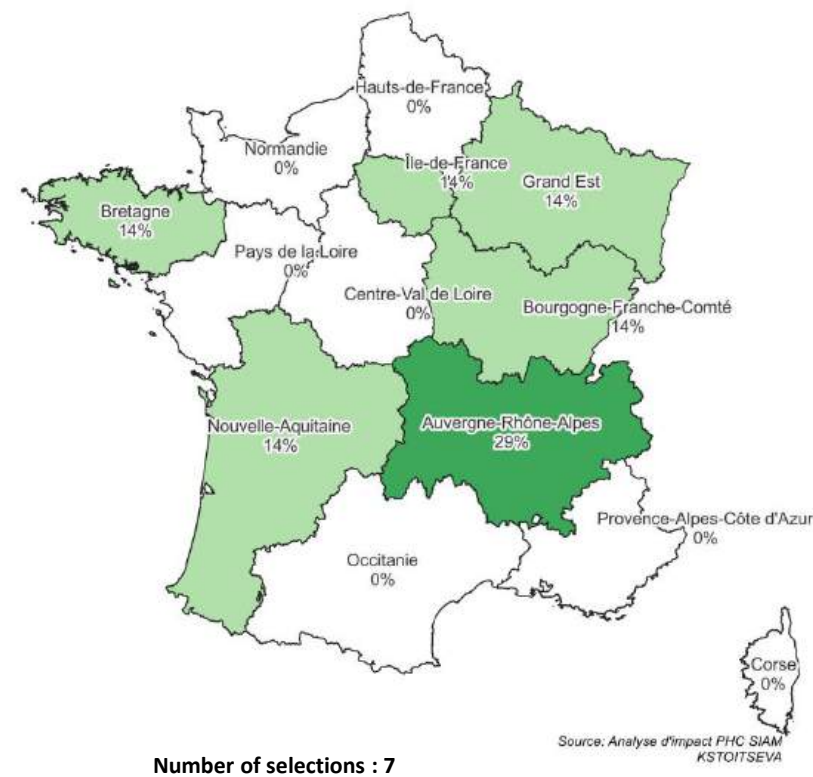
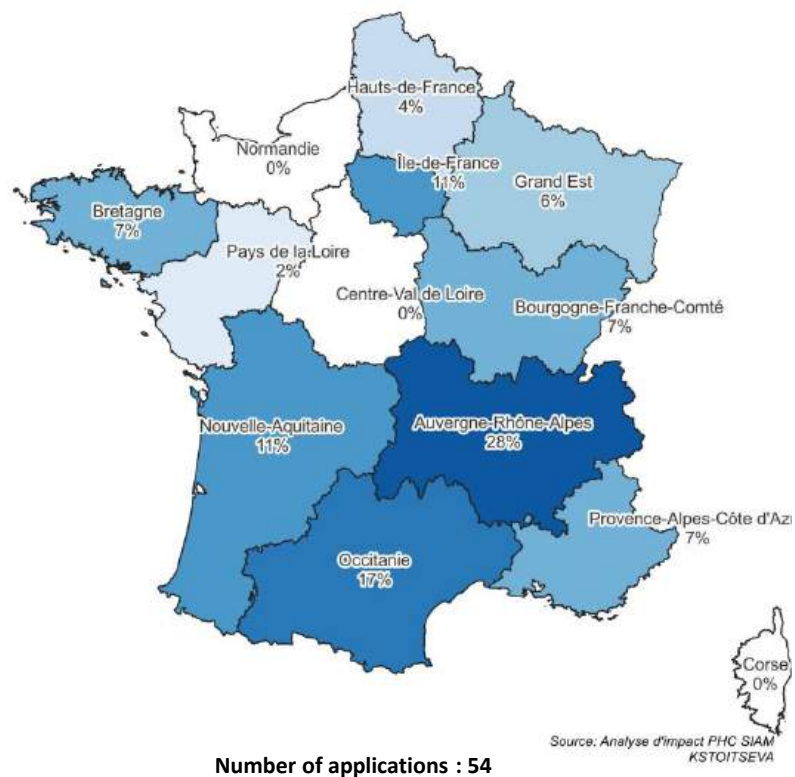
Twelve regions are concerned for applications (including La Réunion) with Occitanie ahead. Eight regions benefit selections (with Occitanie still ahead)

**% OF REGIONAL APPLICATIONS/SELECTIONS FOR EACH SCIENTIFIC DOMAIN AS COMPARED TO
THE TOTAL NUMBER OF APPLICATIONS/SELECTIONS IN THE SCIENTIFIC DOMAIN**

REGIONAL DISTRIBUTION OF SELECTED PROJECTS (2007-2024)

PHC SIAM

Regional percentages of applications and selections *Information technology 2007-2024*

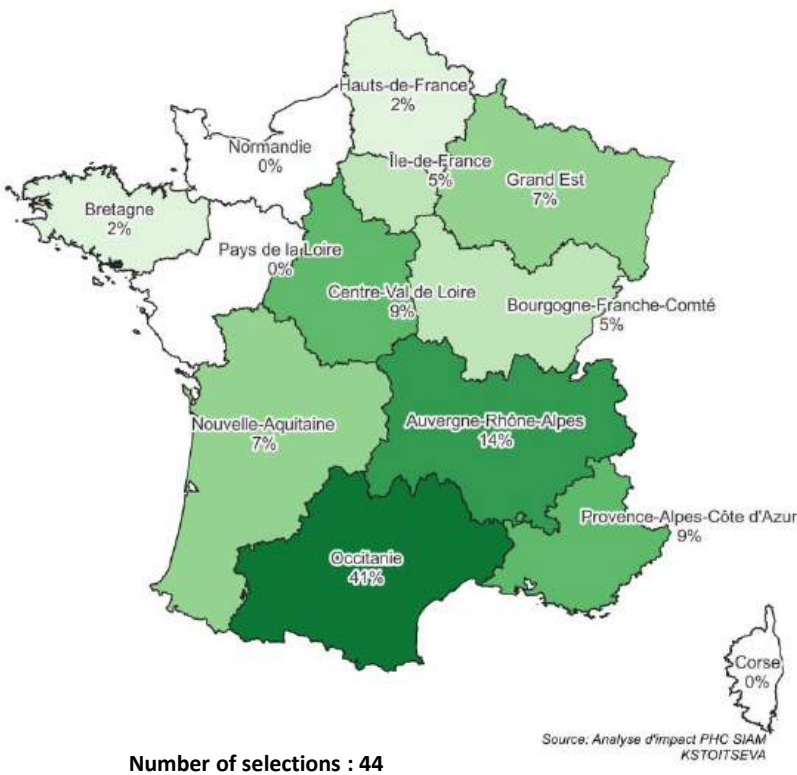
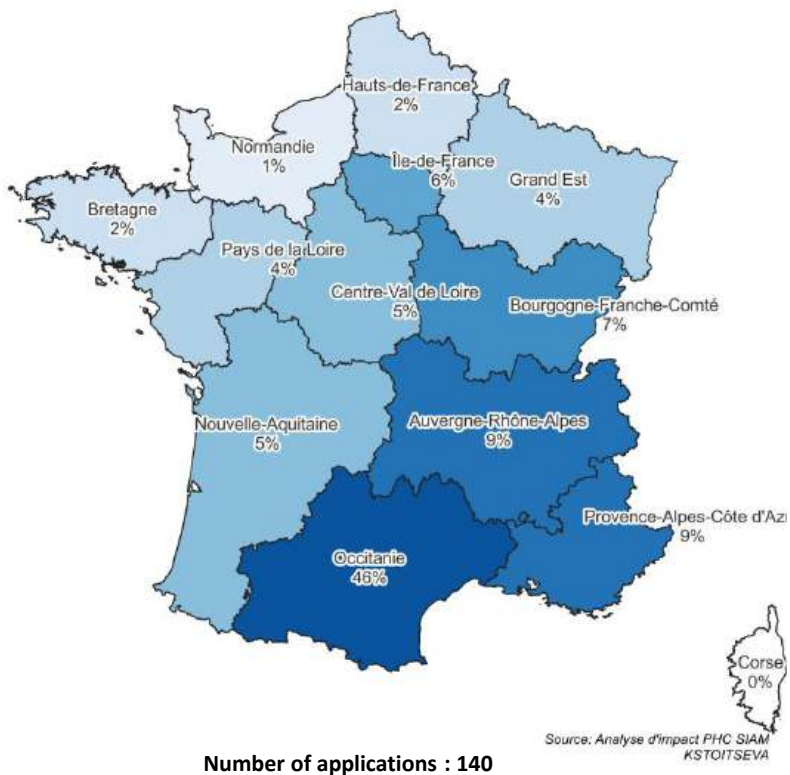


Ten regions are concerned for applications with Auvergne-Rhône-Alpes ahead. Only six regions benefit selections (with Auvergne-Rhône-Alpes still ahead)

**% OF REGIONAL APPLICATIONS/SELECTIONS FOR EACH SCIENTIFIC DOMAIN AS COMPARED TO
THE TOTAL NUMBER OF APPLICATIONS/SELECTIONS IN THE SCIENTIFIC DOMAIN**

REGIONAL DISTRIBUTION OF SELECTED PROJECTS (2007-2024)

PHC SIAM Regional percentages of applications and selections *Agronomy/Ecology 2007-2024*



Twelve regions are concerned for applications with Occitanie largely ahead. Ten regions benefit selections (with Occitanie still largely ahead)

% OF REGIONAL APPLICATIONS/SELECTIONS FOR EACH SCIENTIFIC DOMAIN AS COMPARED TO THE TOTAL NUMBER OF APPLICATIONS/SELECTIONS IN THE SCIENTIFIC DOMAIN