



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

*Liberté
Égalité
Fraternité*

FRANCE – BULGARIA

**Scientific impact of the program RILA
(2005-2021)**

MESR-DAEI / MEAE

2024

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

GENERAL PRESENTATION OF THE PROGRAM

Creation : 2002

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

Total budget (France + Bulgaria) : around 80 500 € / year

>> including budget from the French part : 33 000 €/year (2022-2023)

>> including budget from the Bulgarian part : around 47 500 € / year

Average budget per project (France) : 2 750 € / year (2022-2023)

Average budget per project (France + Bulgaria) : around 5 750 € / year

Number of new funded projects per year : around 14

From 2005-2021 :
348 applications submitted
125 projects funded

Campus France (2005-2021)

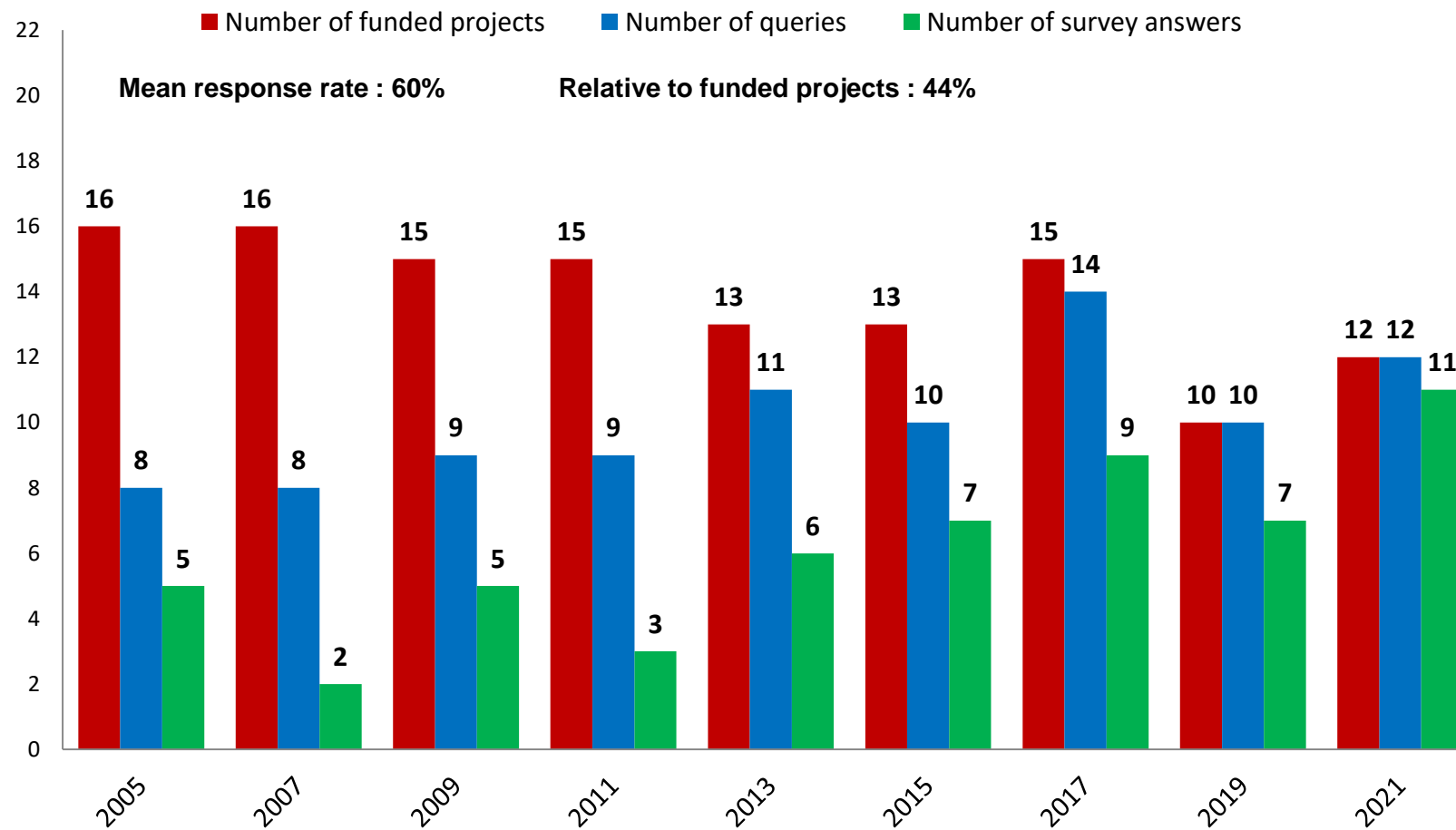
- Information about the PHC RILA applications

Survey (2005-2021)

- Target : French and Bulgarian Principal Investigators of selected projects between 2005 and 2021
- French survey duration : from July to September 2023
60% response ratio (55 respondents for 91 queries)
- Bulgarian survey duration : from August 2023 to January 2024
(20 respondents)

ANSWERS TO THE SURVEY

Average response rate to the **French** survey : **60 % (55 answers)**



125 funded projects between 2005 and 2021, 91 valid email addresses



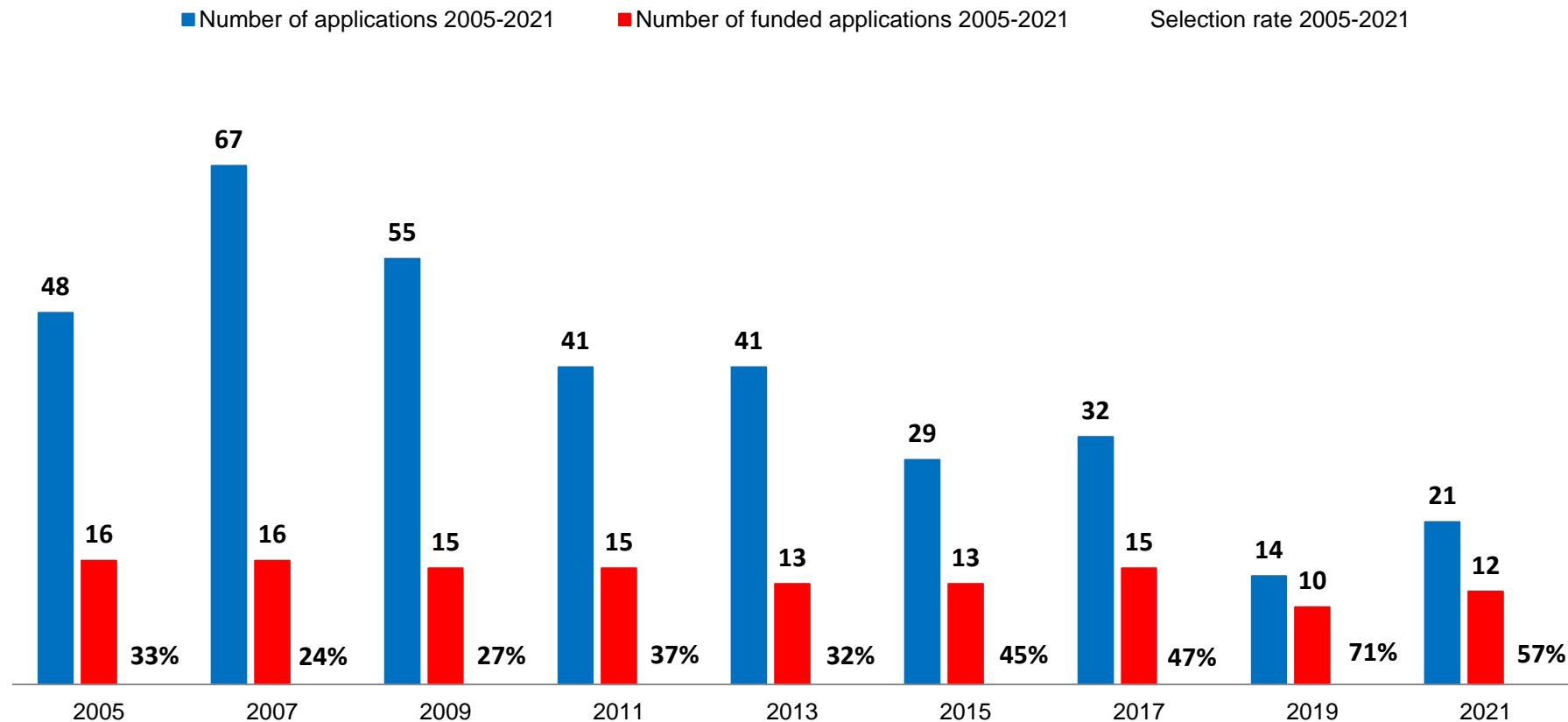
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2005-2021 Key Points

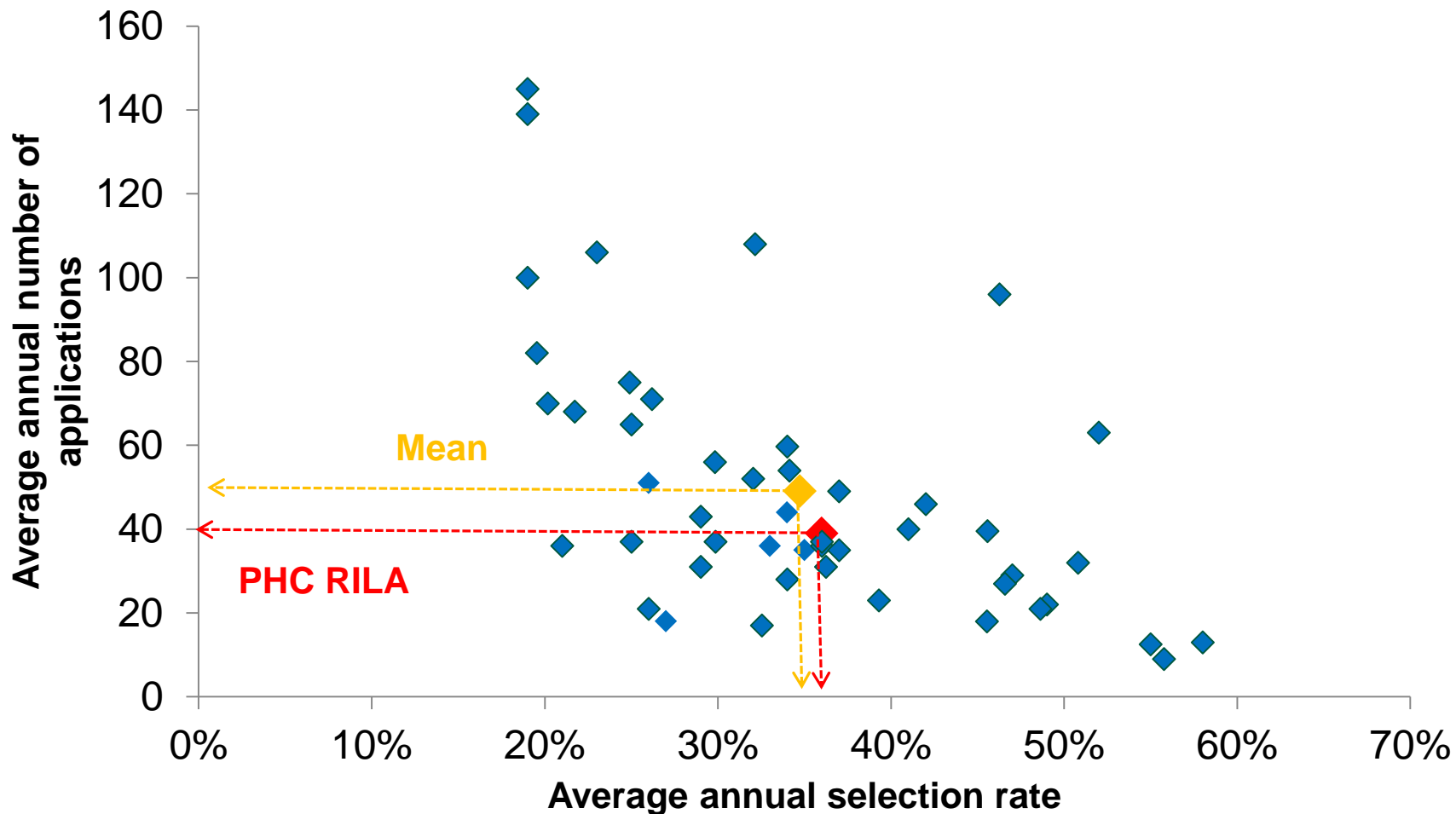
NUMBER OF APPLICATIONS AND SELECTION RATE

Average selection rate from 2005-2021: **36%**



Decrease in the number of applications

NUMBER OF APPLICATIONS VS SELECTION RATE (COMPARISON BETWEEN 49 DIFFERENT BILATERAL PROGRAMS)

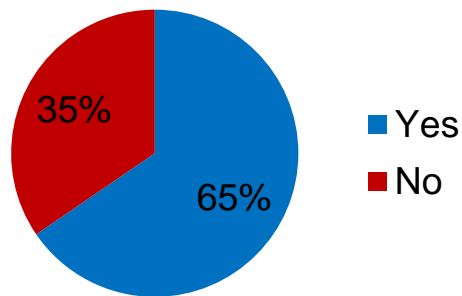


Average annual selection rate for 2005-2021 : **36% vs 35% mean**
Average annual number of applications 2005-2021 : **39 vs 49 mean**

BEFORE THE RILA PROJECT (1/2)

French and Bulgarian surveys

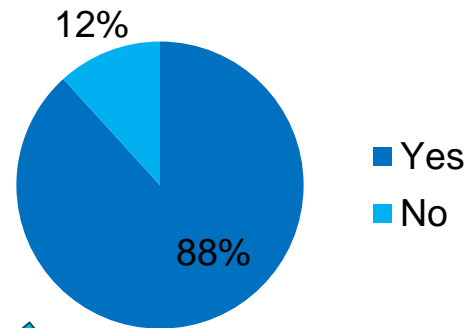
Did you already cooperate with Bulgaria in the past ?



Data from 55 responses

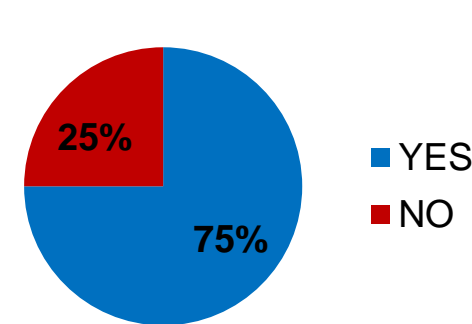
French survey

If yes, was it with the same partner?



Data from 34 responses

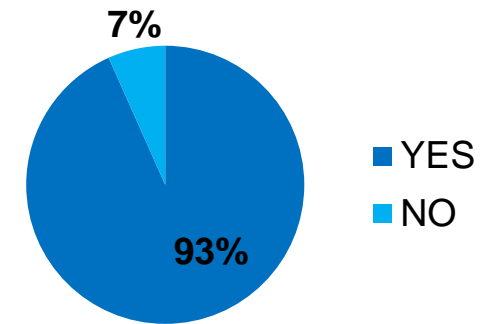
Did you already cooperate with France in the past ?



Data from 20 responses

Bulgarian survey

If yes, was it with the same partner?



Data from 15 responses

BEFORE THE RILA PROJECT (2/2)

French and Bulgarian surveys

With which scientific collaboration program ?	FR	BU
PHC RILA	32%	30%
National research programs (Bulgaria)		13%
Co-funding with Bulgarian institutions	11%	4%
French Government scholarships	5%	13%
French National Research Agency (ANR)	3%	
CNRS International Research Project	3%	4%
CNRS International Emerging Action	3%	
Other	43%	35%

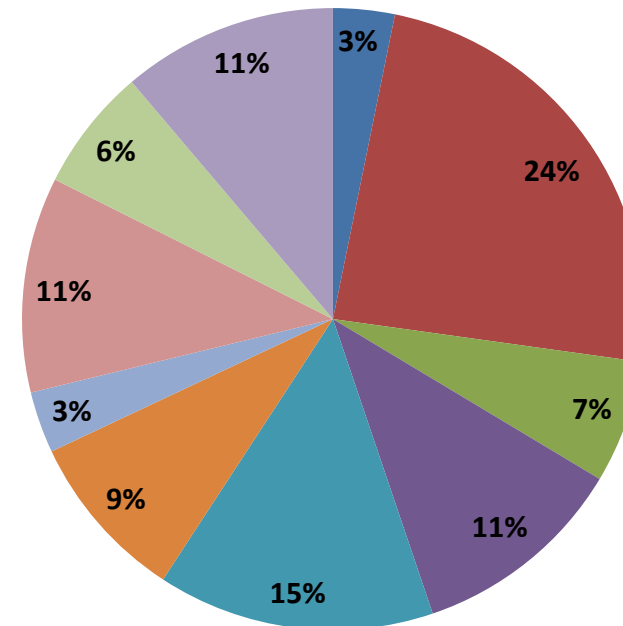
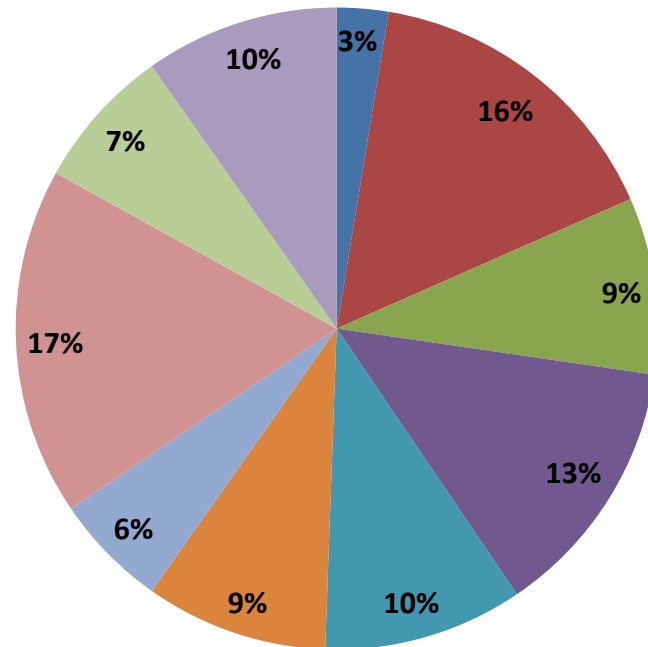
Plus respectively **50** and **11** previous cooperations based on other exchanges (scientific coproduction, meetings, joint PhD...)

Data from respectively **31** and **15** responses

SCIENTIFIC DOMAINS OF PROJECTS (2005-2021)

Number of applications : **348**

Number of funded projects : **125**

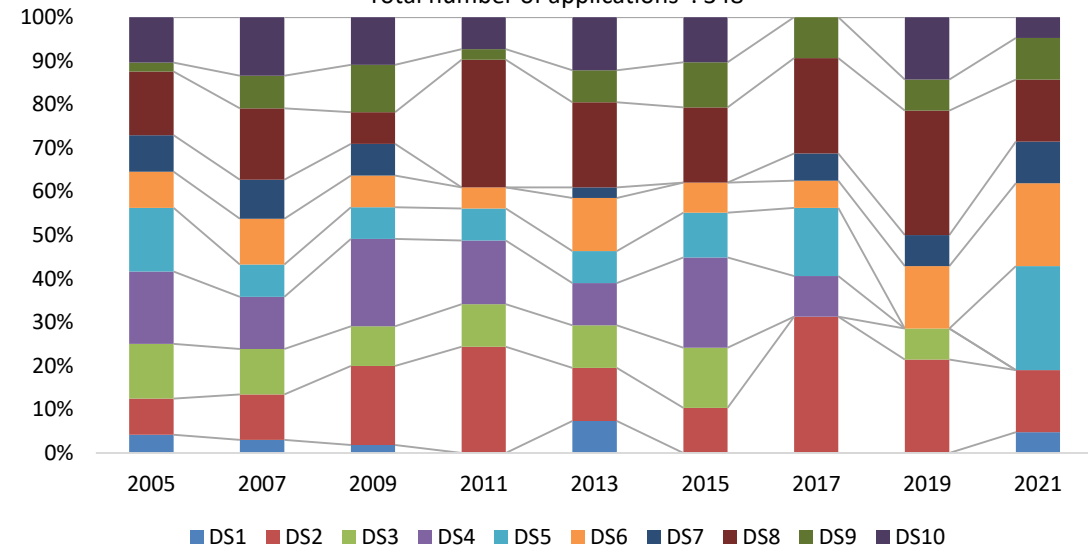


- | | |
|---|--|
| ■ Mathematics | ■ Physics |
| ■ Marine/Earth/Planet Sciences | ■ Chemistry |
| ■ Biology and Health | ■ Humanities |
| ■ Social Sciences | ■ Engineering Sciences |
| ■ Information Technology | ■ Agronomy/Ecology |

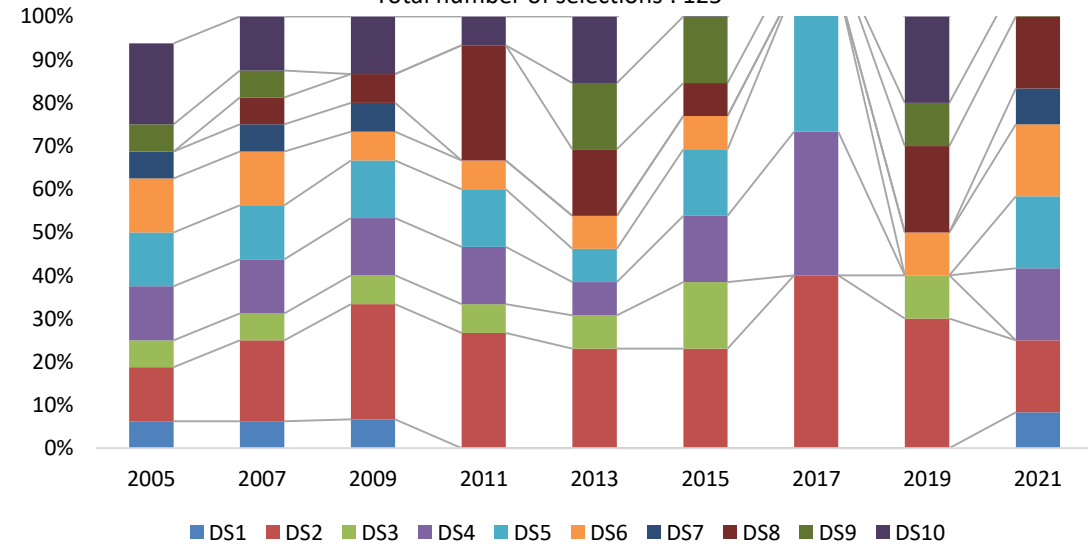
SCIENTIFIC DOMAINS : EVOLUTION 2005-2021

- DS1 : Mathematics
- DS2 : Physics
- DS3 : Marine, Earth, Planet sciences
- DS4 : Chemistry
- DS5 : Biology and Health
- DS6 : Humanities
- DS7 : Social sciences
- DS8 : Engeneering 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 : 348

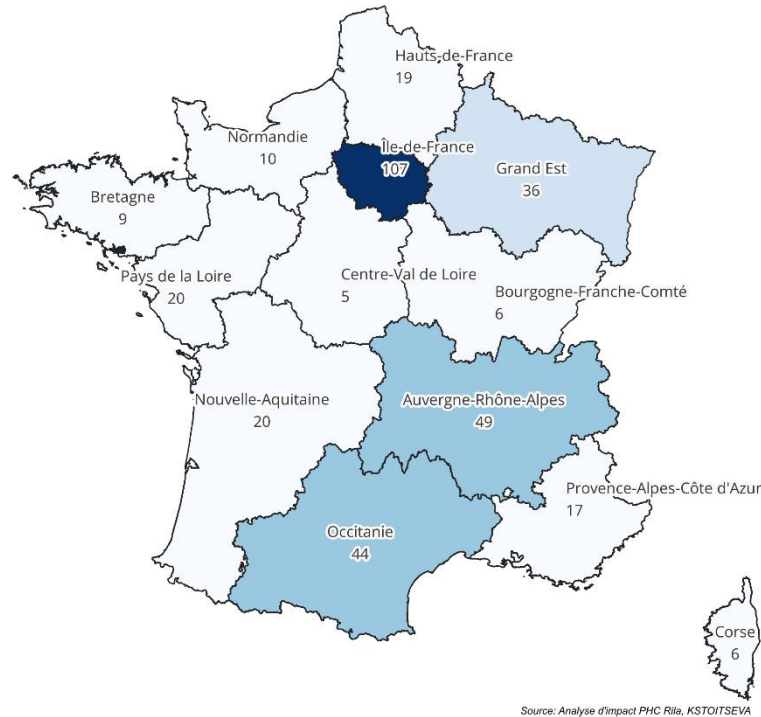


Percentage of selections filed by scientific domain each year compared to all selections filed in each scientific domain
 Total number of selections : 125



REGIONAL DISTRIBUTION OF SELECTED PROJECTS 2005-2021

Program RILA, Bulgaria Regional numbers of applications and selections 2005-2021



Number of applications
(all domains)



Number of selections
(all domains)

The region Ile de France is the main contributor both for applications and selections followed by Auvergne-Rhône-Alpes

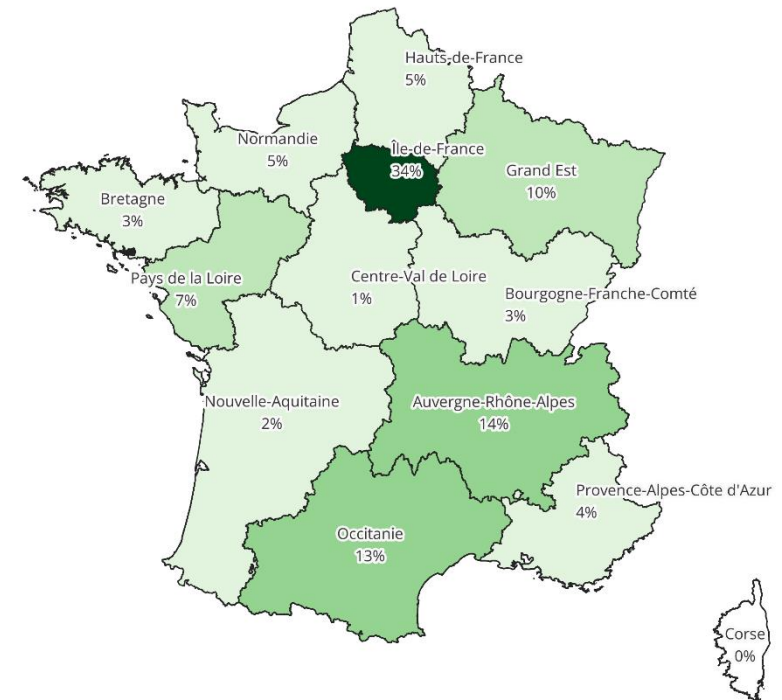
REGIONAL DISTRIBUTION OF SELECTED PROJECTS 2005-2021

Program RILA, Bulgaria Regional percentages of applications and selections 2005-2021



% of applications
(all domains)

Source: Analyse d'impact PHC Rila, KSTOITSEVA



% of selections
(all domains)

Source: Analyse d'impact PHC Rila, KSTOITSEVA

The region Ile de France is the main contributor both for applications and selections followed by Auvergne-Rhône-Alpes

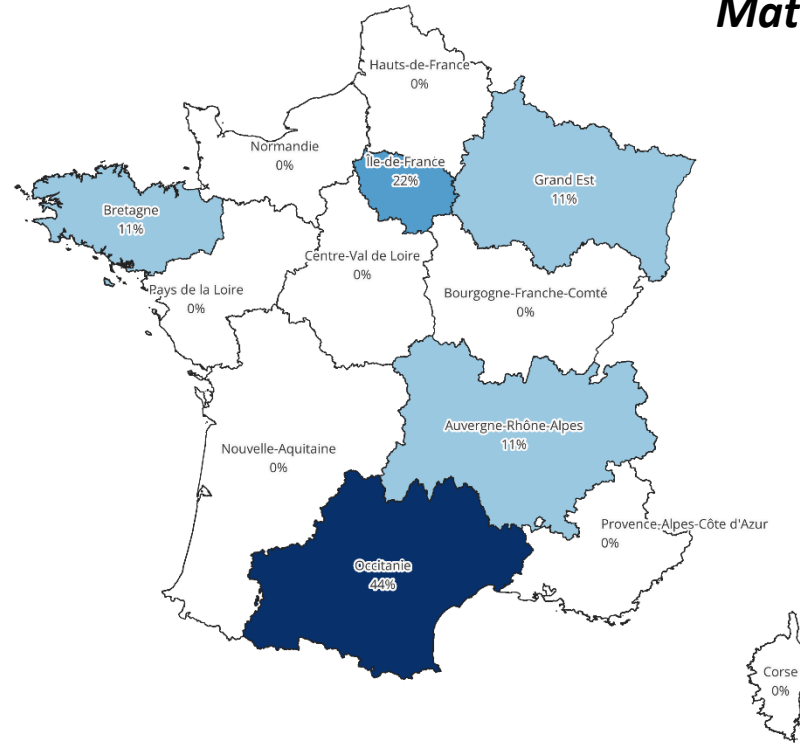
SCIENTIFIC DOMAINS : REGIONAL DISTRIBUTION

MATHEMATICS 2005-2021

Program RILA, Bulgaria

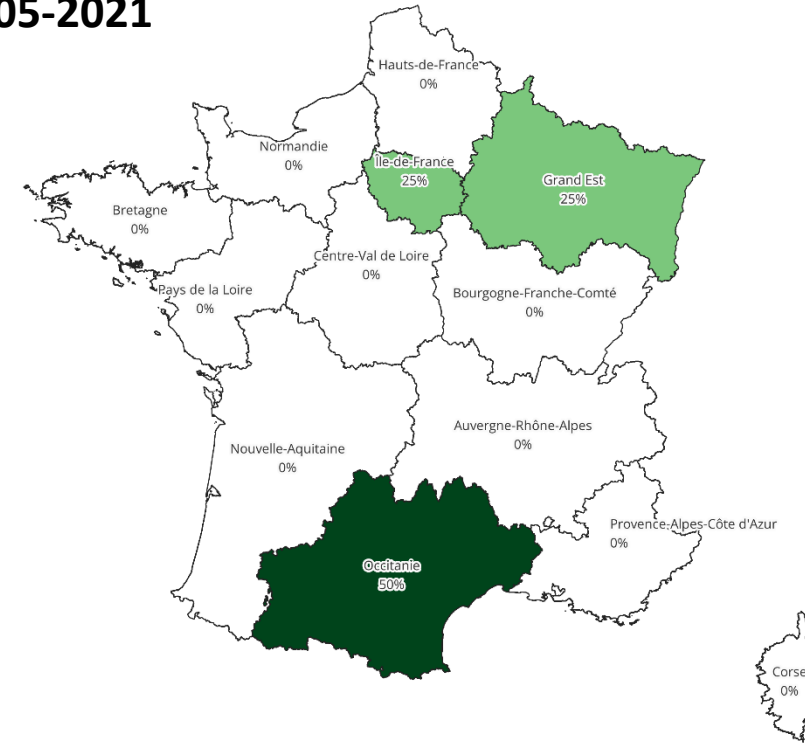
Regional percentages of applications and selections

Mathematics 2005-2021



% of applications
(DS1)

Source: Analyse d'Impact PHC Rila, KSTOITSEVA



% of selections
(DS1)

Source: Analyse d'Impact PHC Rila, KSTOITSEVA

Applications : Occitanie, Ile-de-France, Auvergne-Rhône-Alpes, Bretagne, Grand Est

Selections : Occitanie, Ile-de-France, Grand Est. No selection for Auvergne-Rhône-Alpes and Bretagne

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

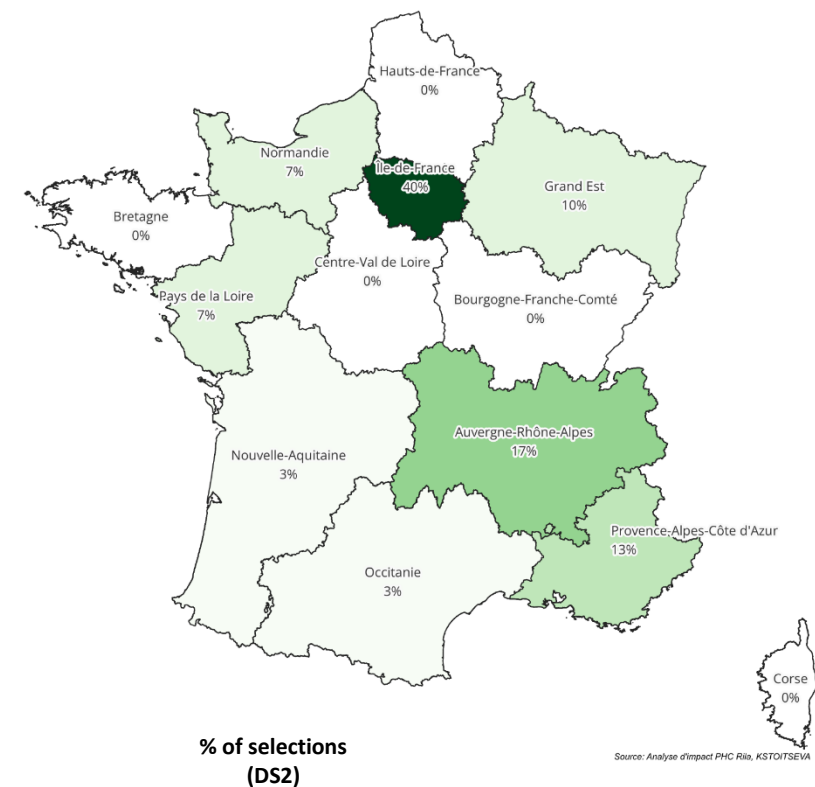
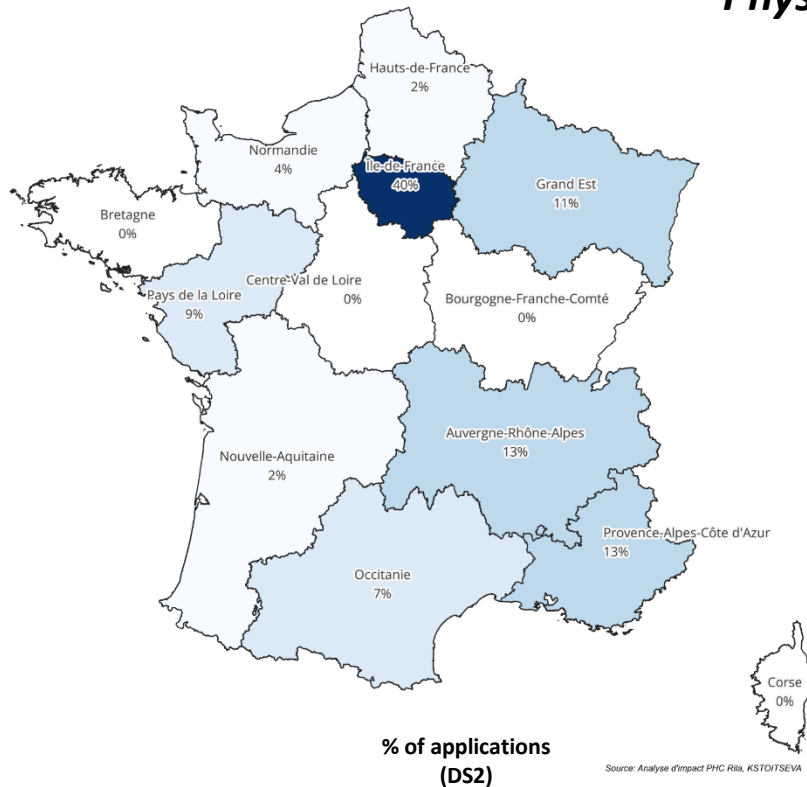
SCIENTIFIC DOMAINS : REGIONAL DISTRIBUTION

PHYSICS 2005-2021

Program RILA, Bulgaria

Regional percentages of applications and selections

Physics 2005-2021



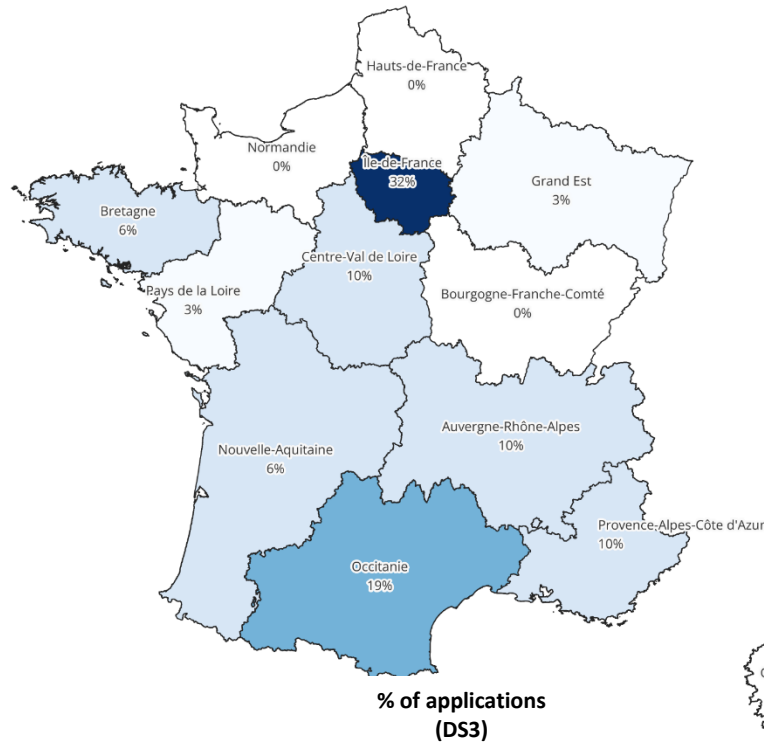
Applications : distributed over 9 regions

Selections : distributed over all regions except Hauts-de-France

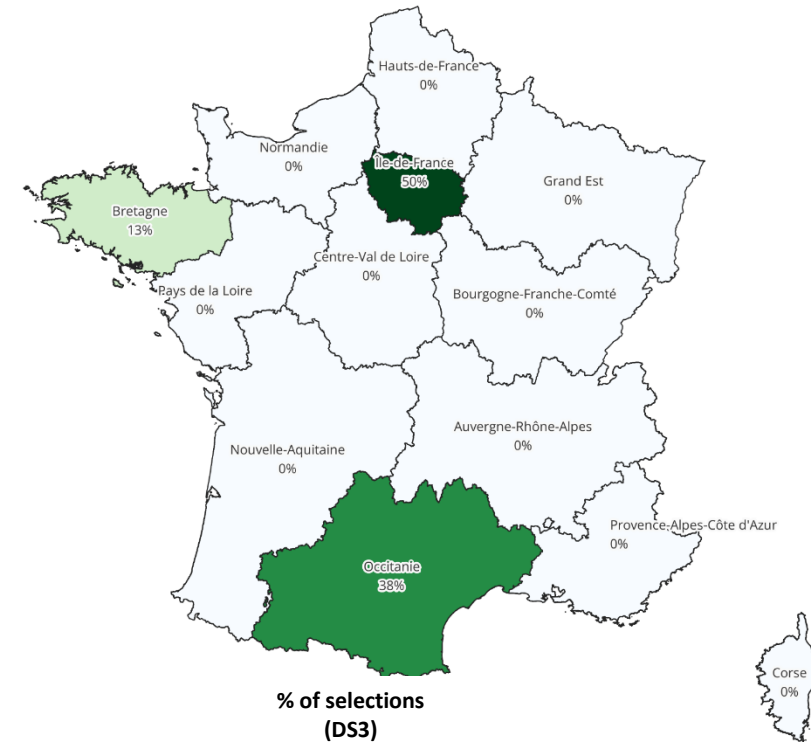
% OF REGIONAL APPLICATIONS/SELECTIONS FOR EACH SCIENTIFIC DOMAIN AS COMPARED TO THE TOTAL NUMBER OF APPLICATIONS/SELECTIONS IN THE SCIENTIFIC DOMAIN

SCIENTIFIC DOMAINS : REGIONAL DISTRIBUTION MARINE, EARTH, PLANET SCIENCES 2005-2021

Program RILA, Bulgaria Regional percentages of applications and selections *Marine, Earth, Planet Sciences 2005-2021*



Source: Analyse d'impact PHC Rila, KSTOITSEVA



Source: Analyse d'impact PHC Rila, KSTOITSEVA

Applications : 9 different regions
Selections : only 3 regions : Ile-de-France, Occitanie, Bretagne

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

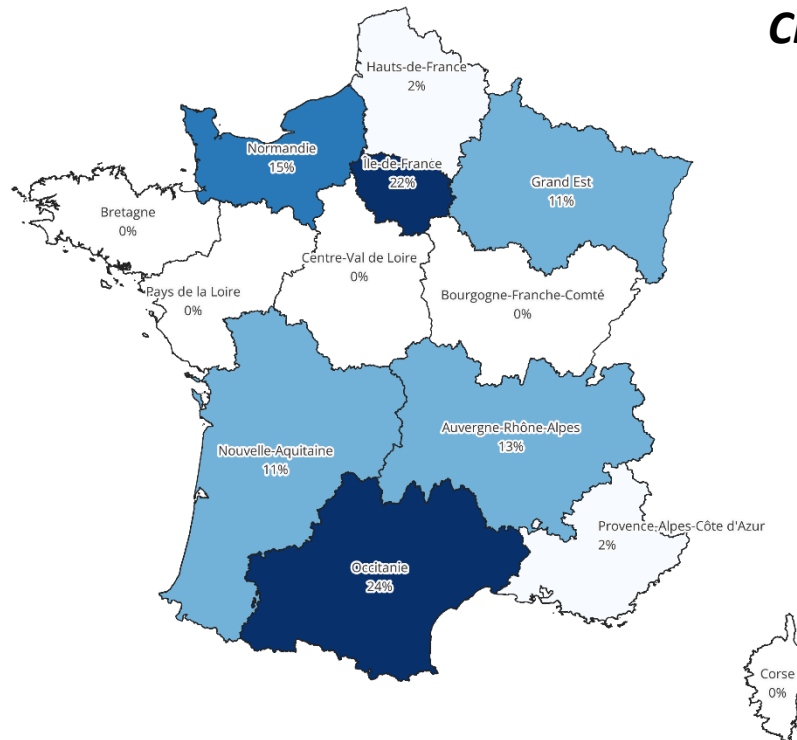
SCIENTIFIC DOMAINS : REGIONAL DISTRIBUTION

CHEMISTRY 2005-2021

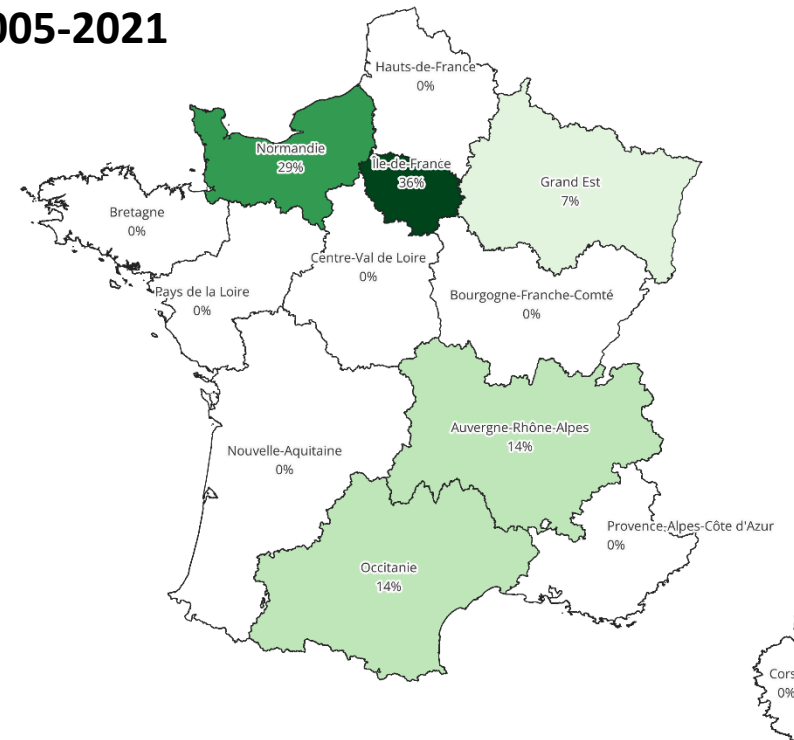
Program RILA, Bulgaria

Regional percentages of applications and selections

Chemistry 2005-2021



% of applications
(DS4)



% of selections
(DS4)

Applications : quite large geographical distribution with Occitanie and Ile-de-France ahead

Selections : Ile-de-France and Normandie ahead but three other regions are also concerned

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

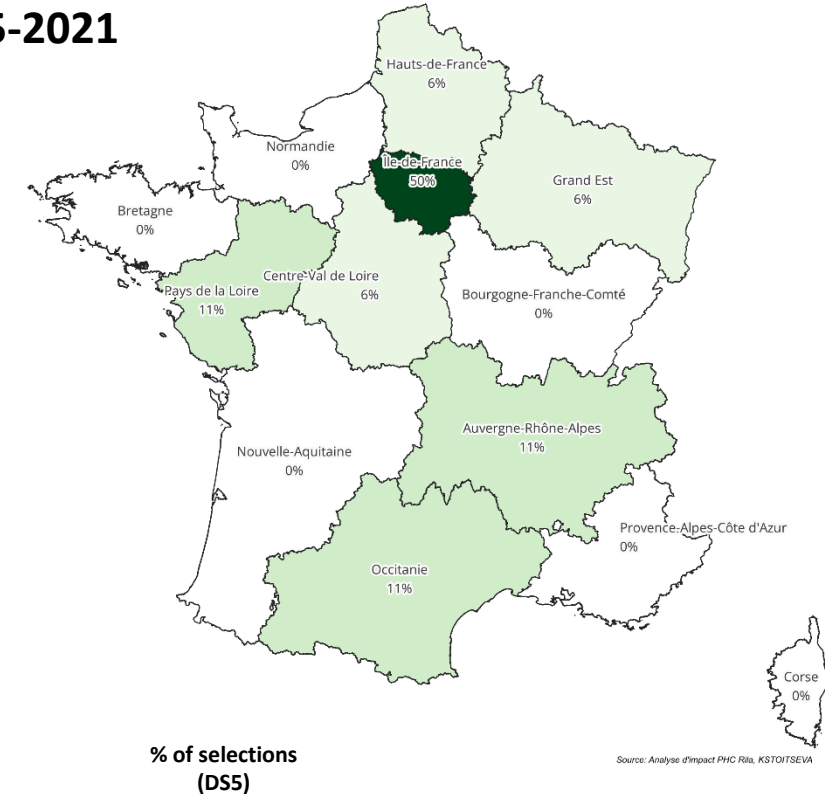
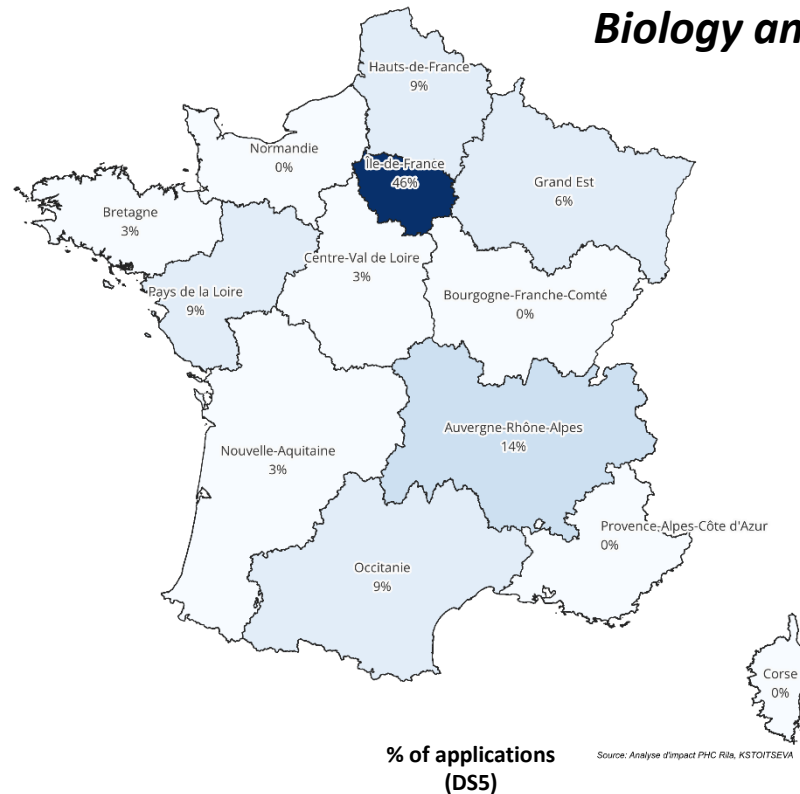
SCIENTIFIC DOMAINS : REGIONAL DISTRIBUTION

BIOLOGY AND HEALTH 2005-2021

Program RILA, Bulgaria

Regional percentages of applications and selections

Biology and Health 2005-2021



Applications : quite large geographical distribution with Ile-de-France largely ahead

Selections : mainly Ile-de-France but numerous regions are concerned (except Bretagne and Nouvelle-Aquitaine)

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

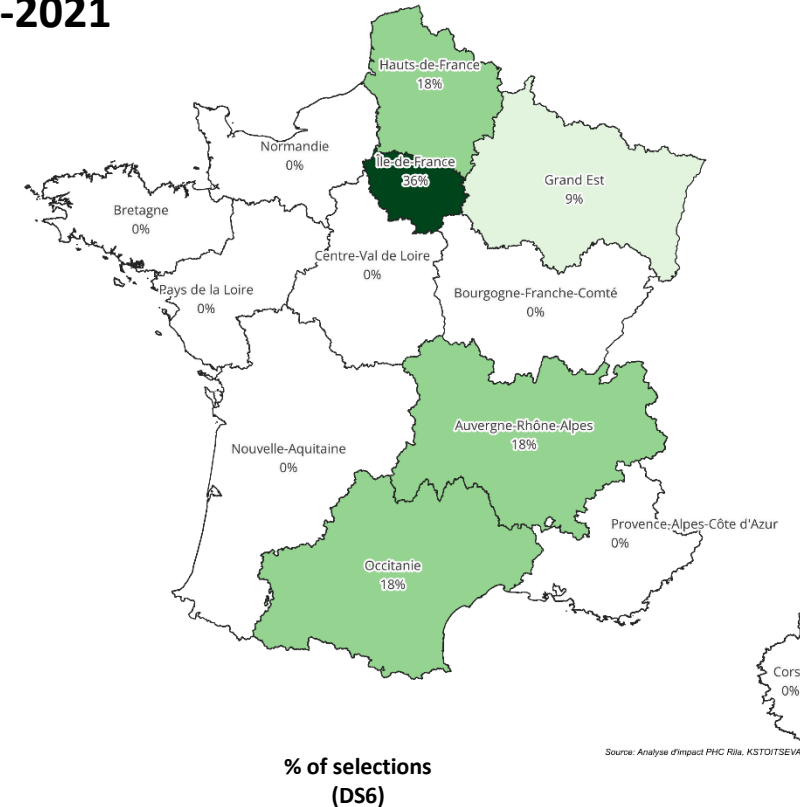
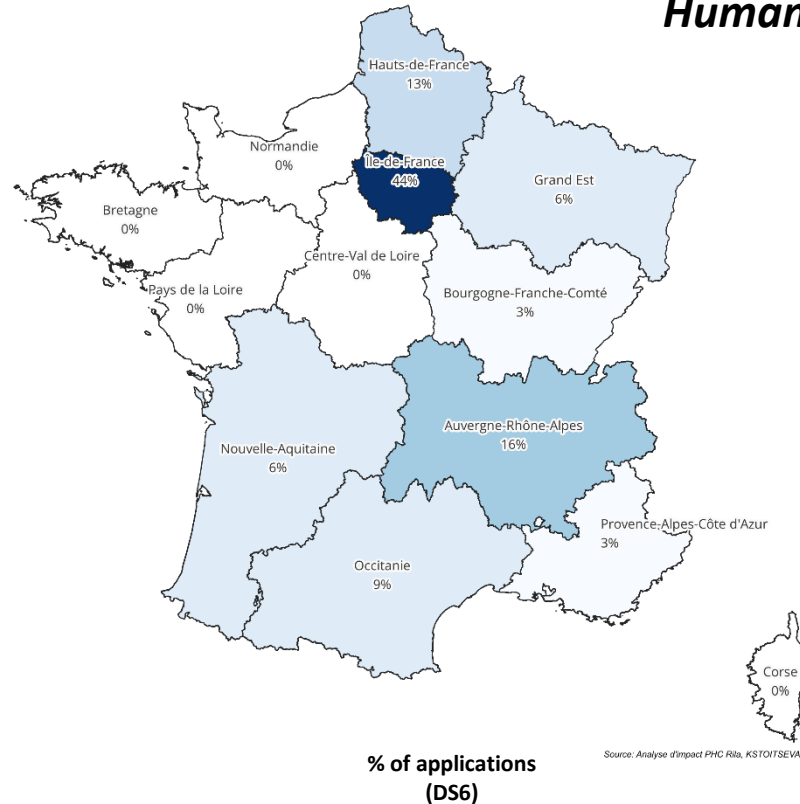
SCIENTIFIC DOMAINS : REGIONAL DISTRIBUTION

HUMANITIES 2005-2021

Program RILA, Bulgaria

Regional percentages of applications and selections

Humanities 2005-2021



Applications : quite large geographical distribution (8 regions) with Ile-de-France largely ahead

Selections : only in 5 regions with mainly Ile-de-France

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

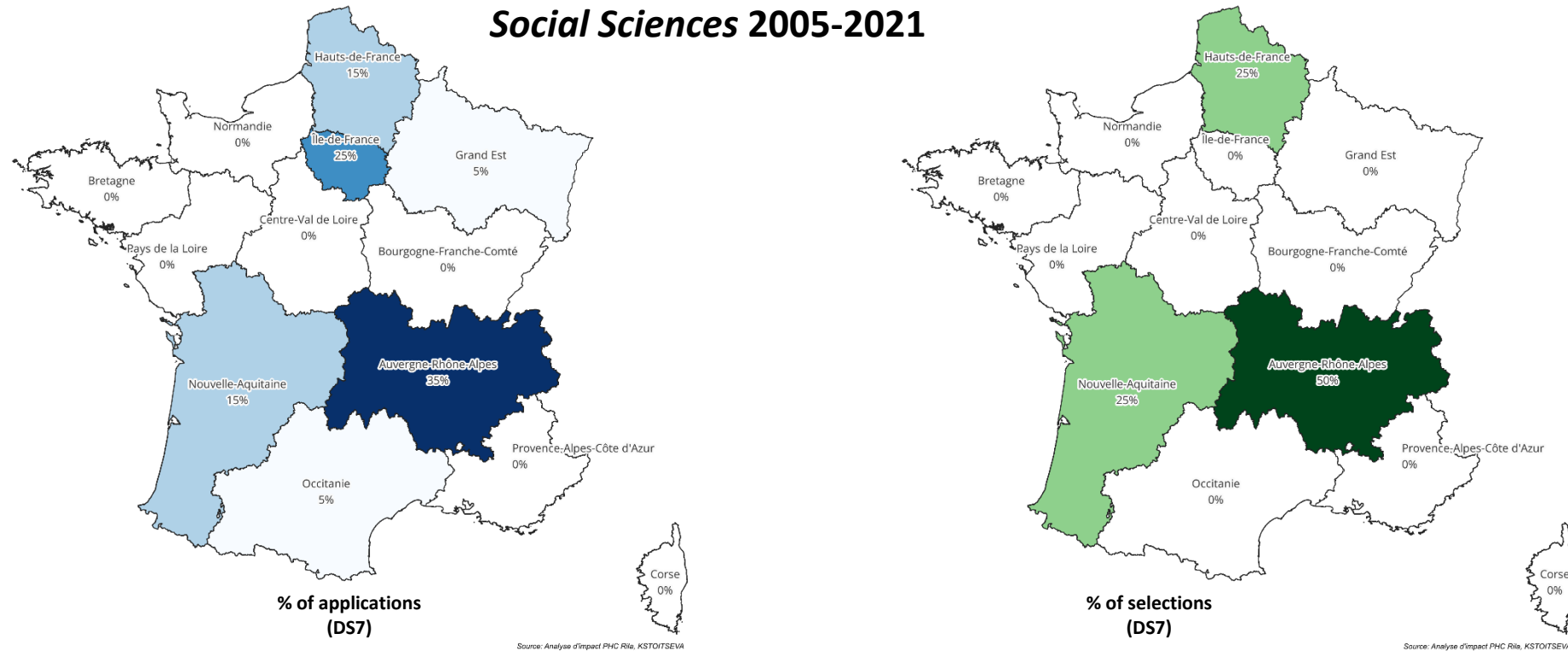
SCIENTIFIC DOMAINS : REGIONAL DISTRIBUTION

SOCIAL SCIENCES 2005-2021

Program RILA, Bulgaria

Regional percentages of applications and selections

Social Sciences 2005-2021



Applications : only 6 regions

Selections : mainly Ile-de-France but less regions concerned by selections

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

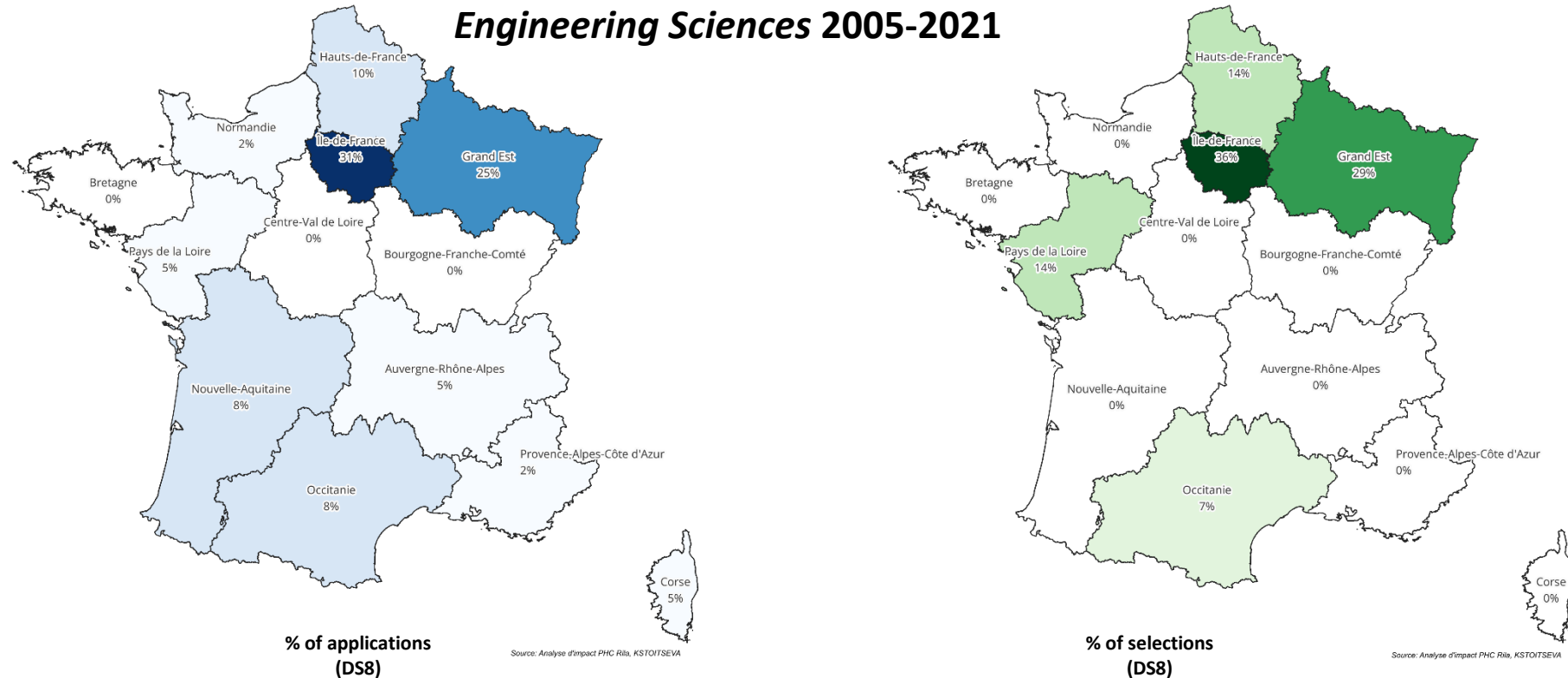
SCIENTIFIC DOMAINS : REGIONAL DISTRIBUTION

ENGINEERING SCIENCES 2005-2021

Program RILA, Bulgaria

Regional percentages of applications and selections

Engineering Sciences 2005-2021



Applications : large geographical distribution over 10 regions

Selections : only 5 regions concerned with Ile-de-France and Grand Est ahead

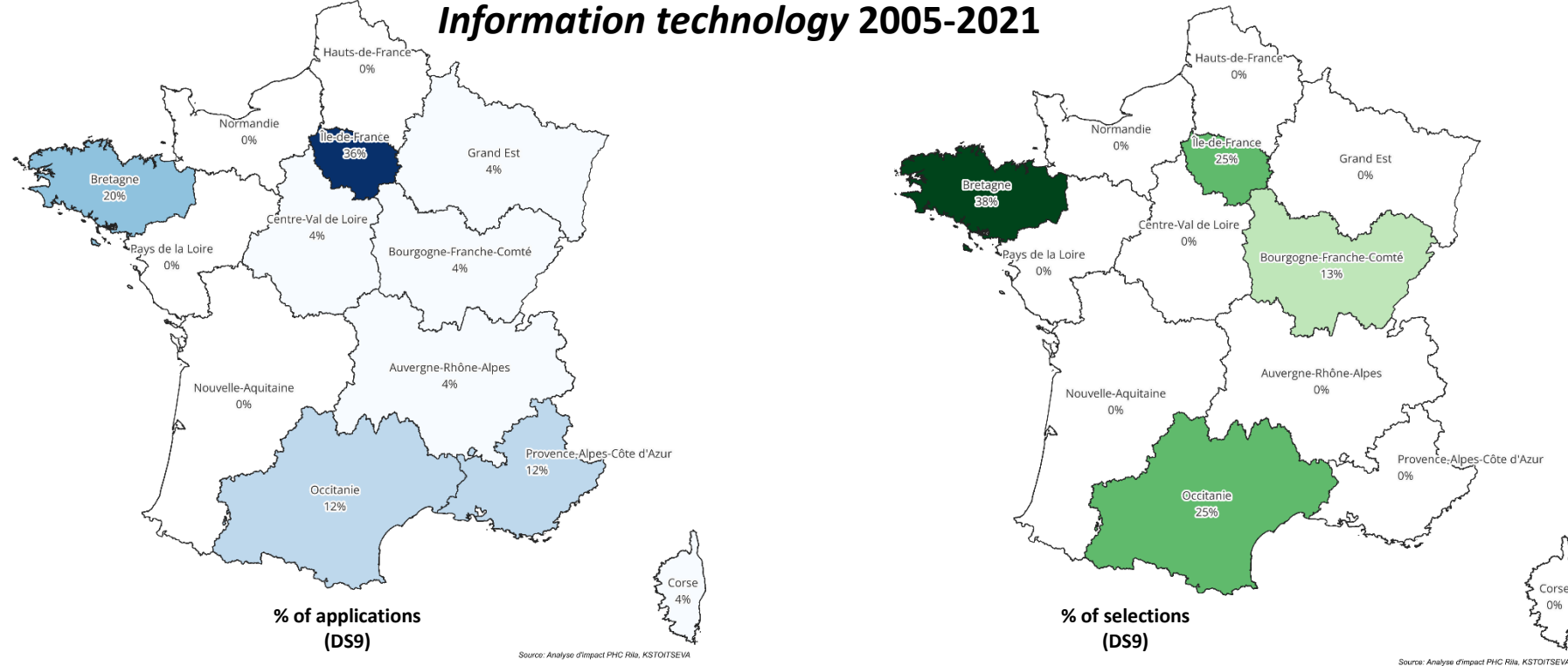
% OF REGIONAL APPLICATIONS/SELECTIONS FOR EACH SCIENTIFIC DOMAIN AS COMPARED TO THE TOTAL NUMBER OF APPLICATIONS/SELECTIONS IN THE SCIENTIFIC DOMAIN

SCIENTIFIC DOMAINS : REGIONAL DISTRIBUTION

INFORMATION TECHNOLOGY 2005-2021

Program RILA, Bulgaria

Regional percentages of applications and selections Information technology 2005-2021



Applications : quite large distribution over 9 regions with Ile-de-France and Bretagne ahead

Selections : only in 4 regions with Ile-de-France and Bretagne ahead

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

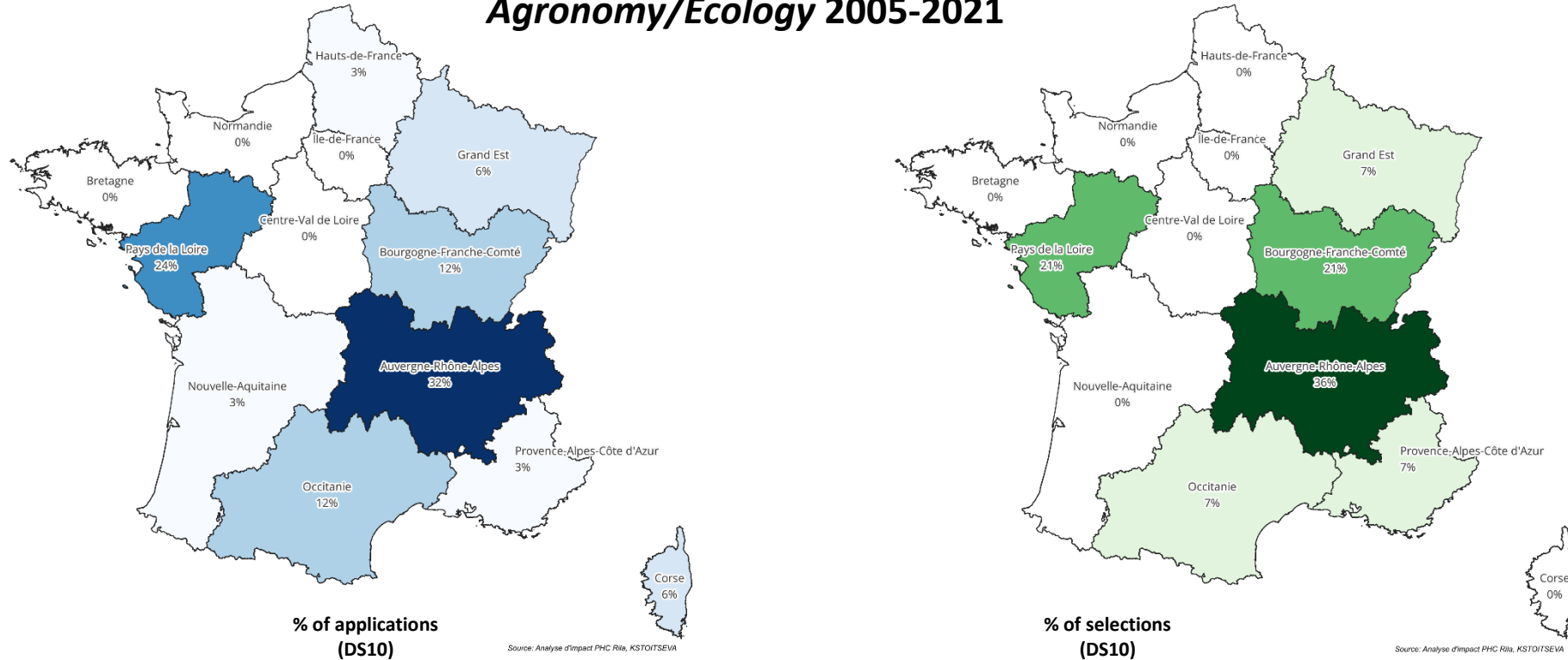
SCIENTIFIC DOMAINS : REGIONAL DISTRIBUTION

AGRONOMY/ECOLOGY 2005-2021

Program RILA, Bulgaria

Regional percentages of applications and selections

Agronomy/Ecology 2005-2021



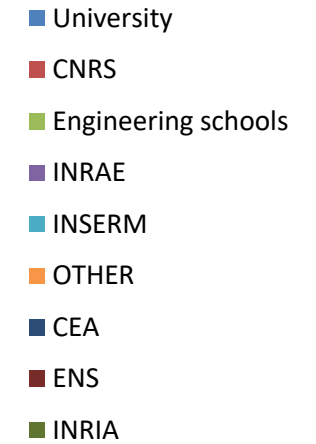
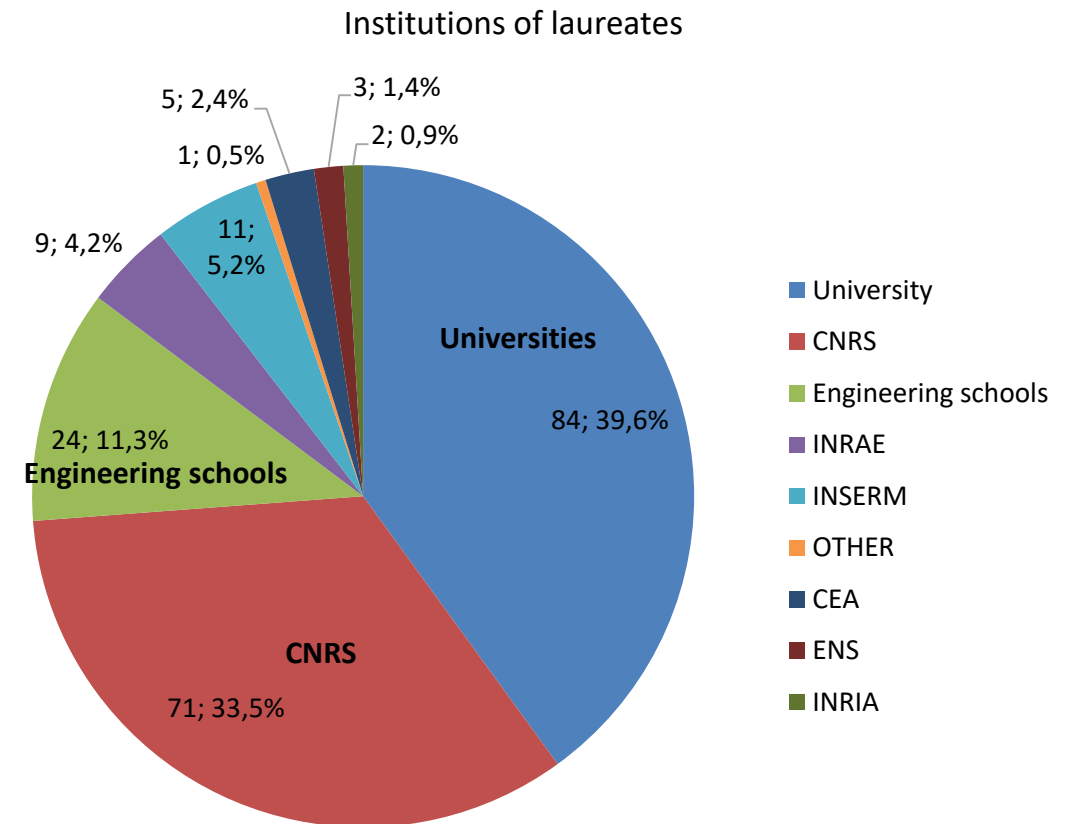
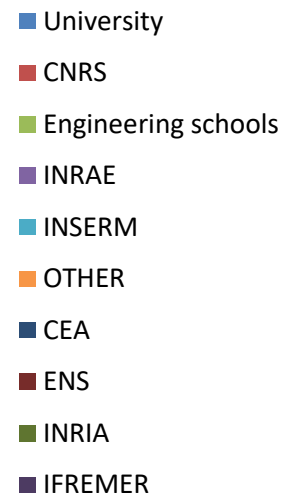
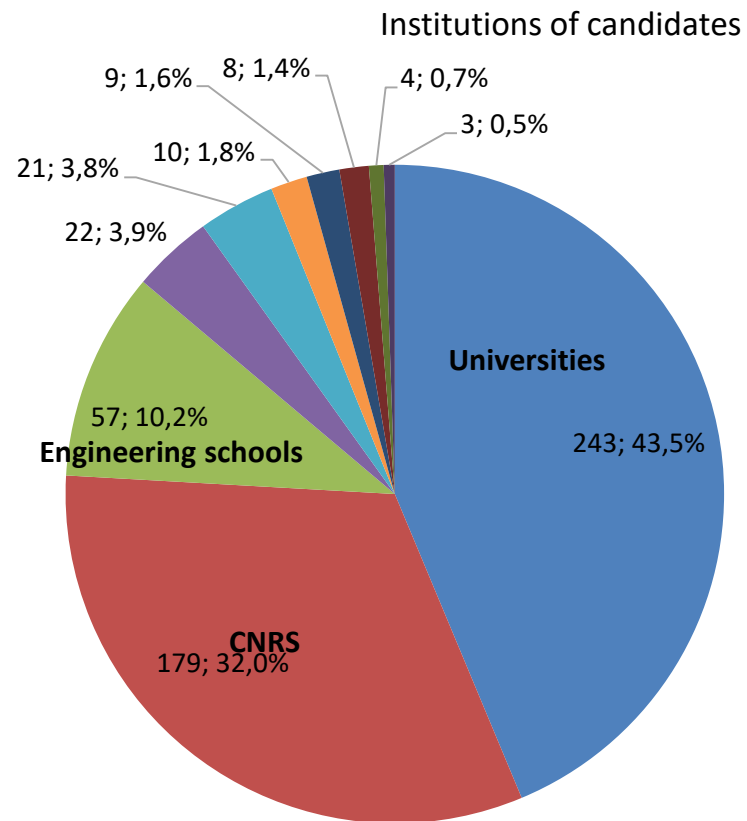
Applications : large geographical distribution with Auvergne-Rhône-Alpes and Pays de la Loire ahead

Selections : still quite large distribution with the same regions ahead

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

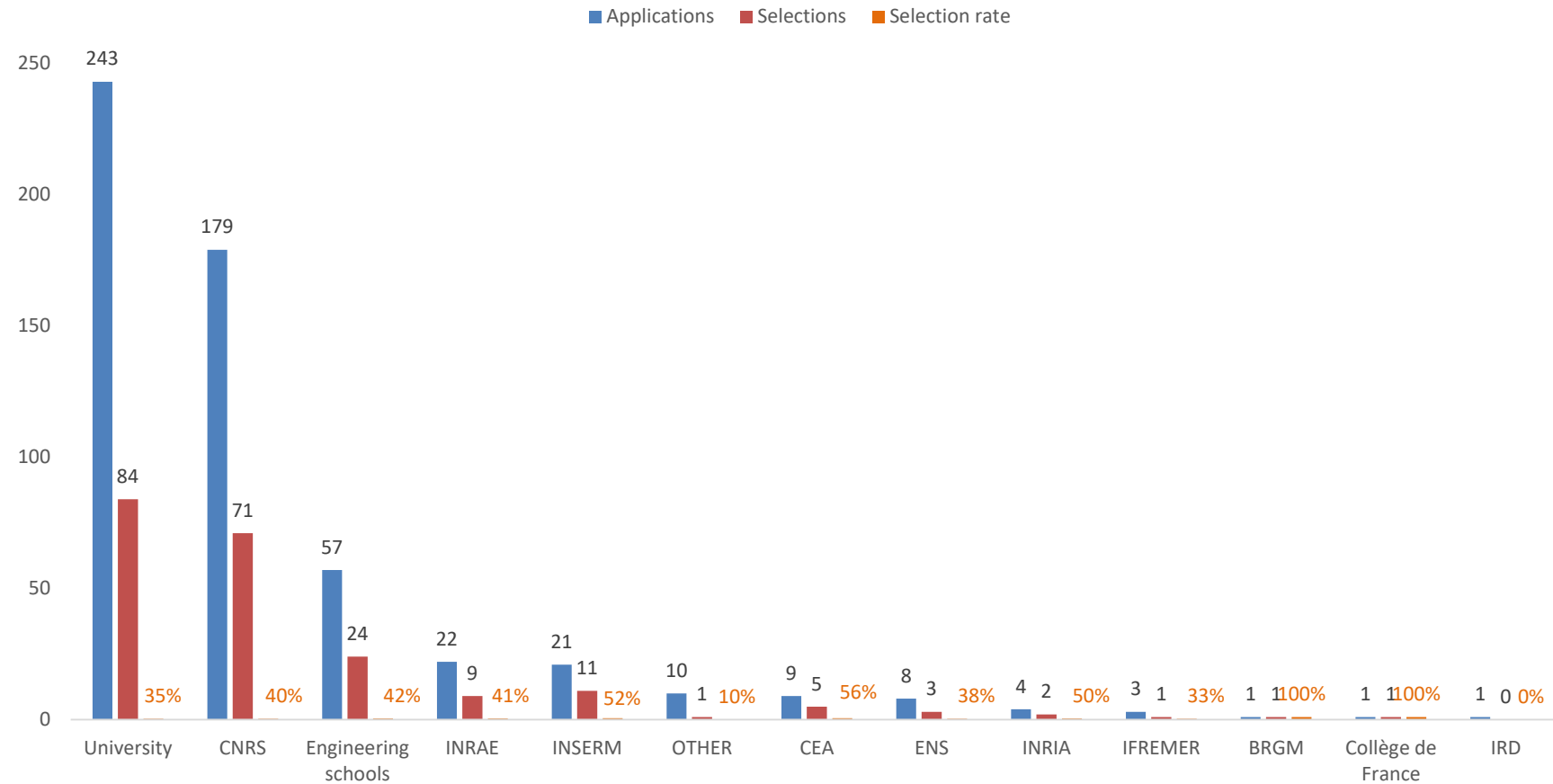
FRENCH PARTICIPATING INSTITUTIONS

(DATA FROM CAMPUS FRANCE)



FRENCH PARTICIPATING INSTITUTIONS (DATA FROM CAMPUS FRANCE)

Number of occurrences for each institution

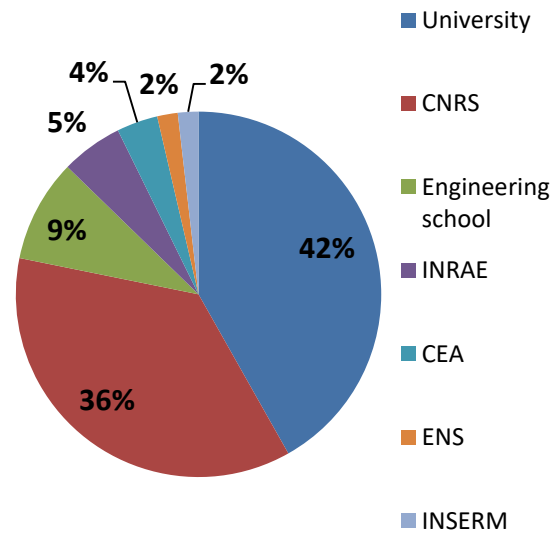


PARTICIPATING INSTITUTIONS

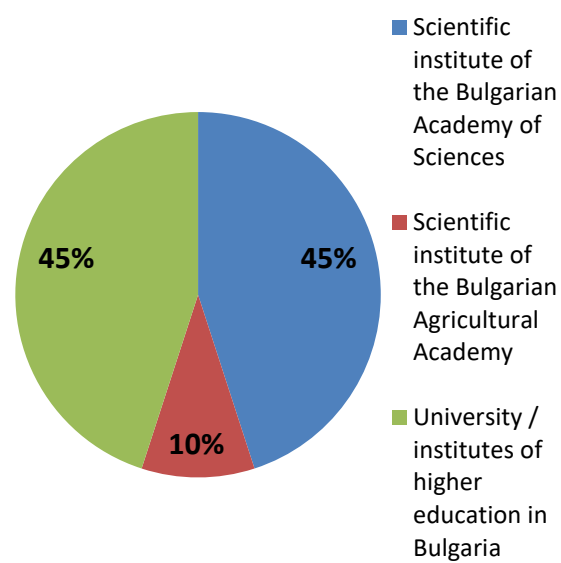
(DATA FROM THE **FRENCH** AND THE **BULGARIAN** SURVEYS)

PI's employers

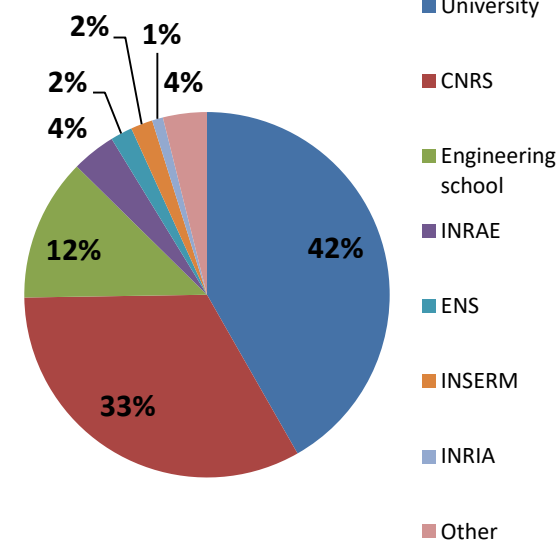
Laboratories authorities



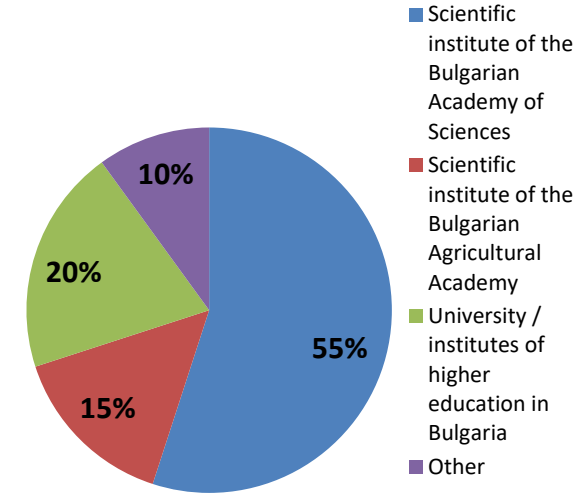
French survey



Bulgarian survey



French survey



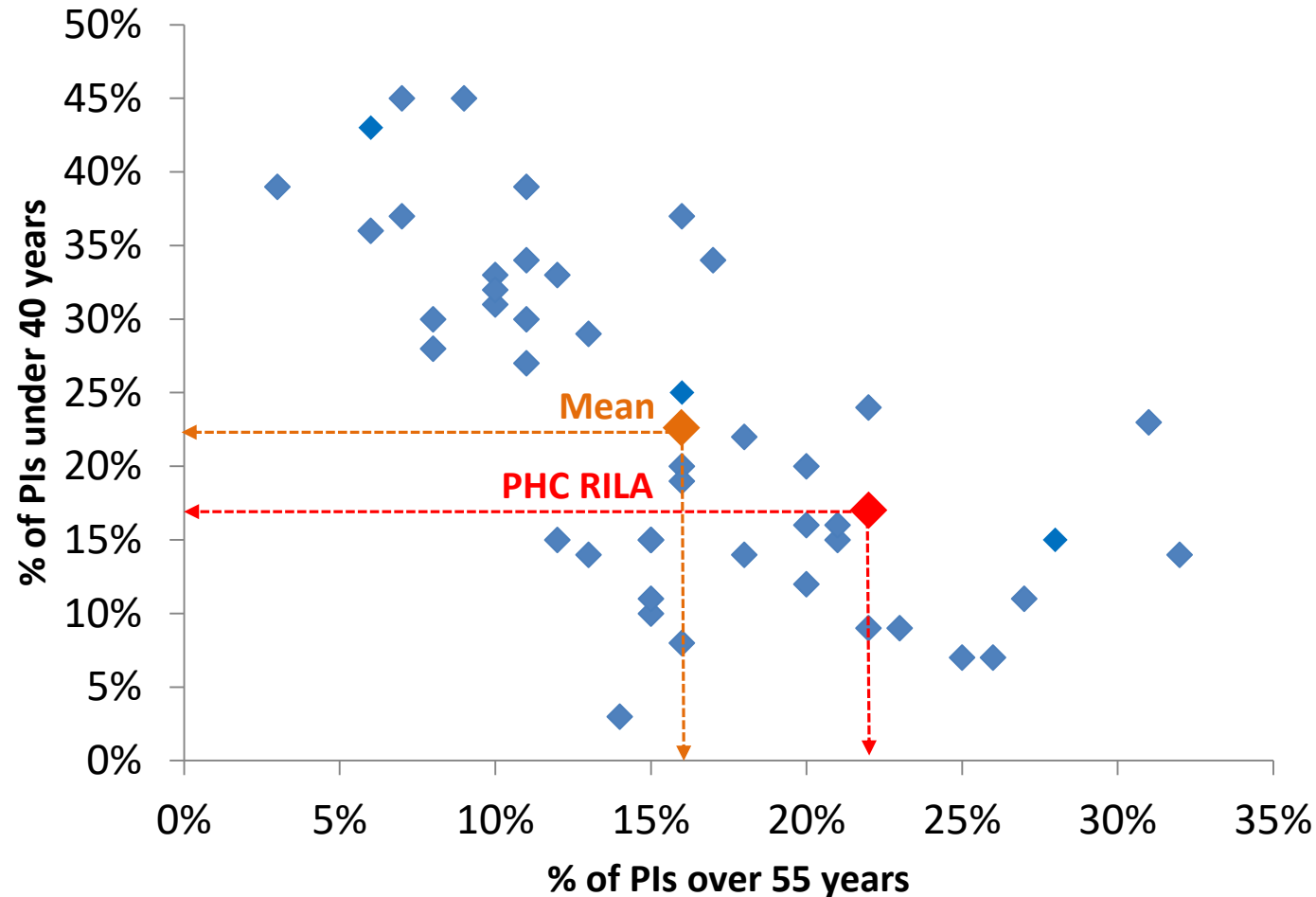
Bulgarian survey

Data from respectively **55** and **20** responses

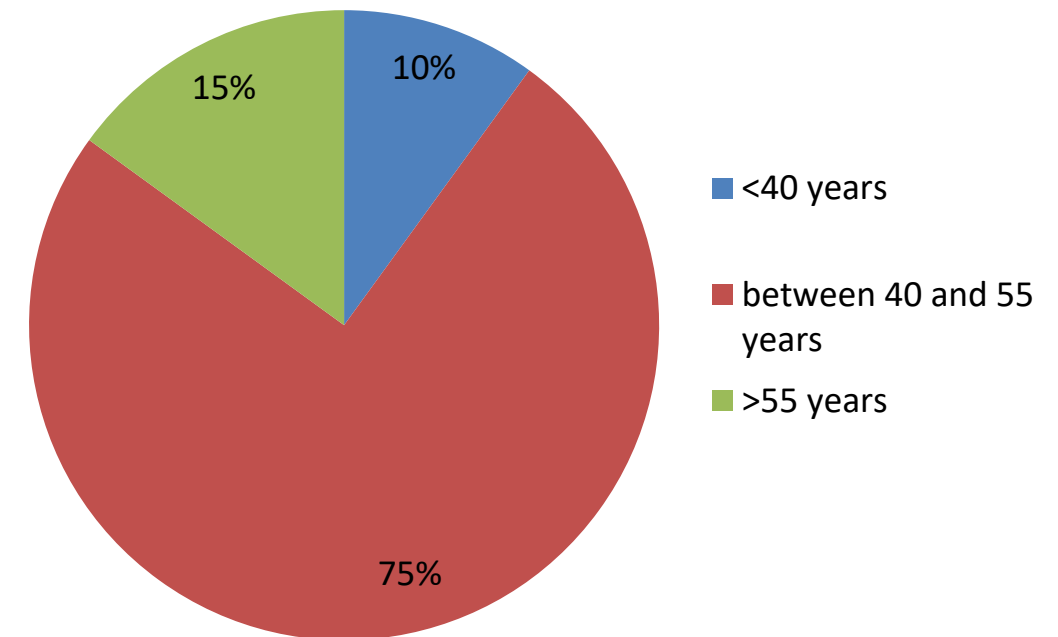
AGE OF PRINCIPAL INVESTIGATORS (PI) 2005-2021

French Survey (55 responses)

(Comparison between 49 different bilateral programs)



Bulgarian Survey (20 responses)

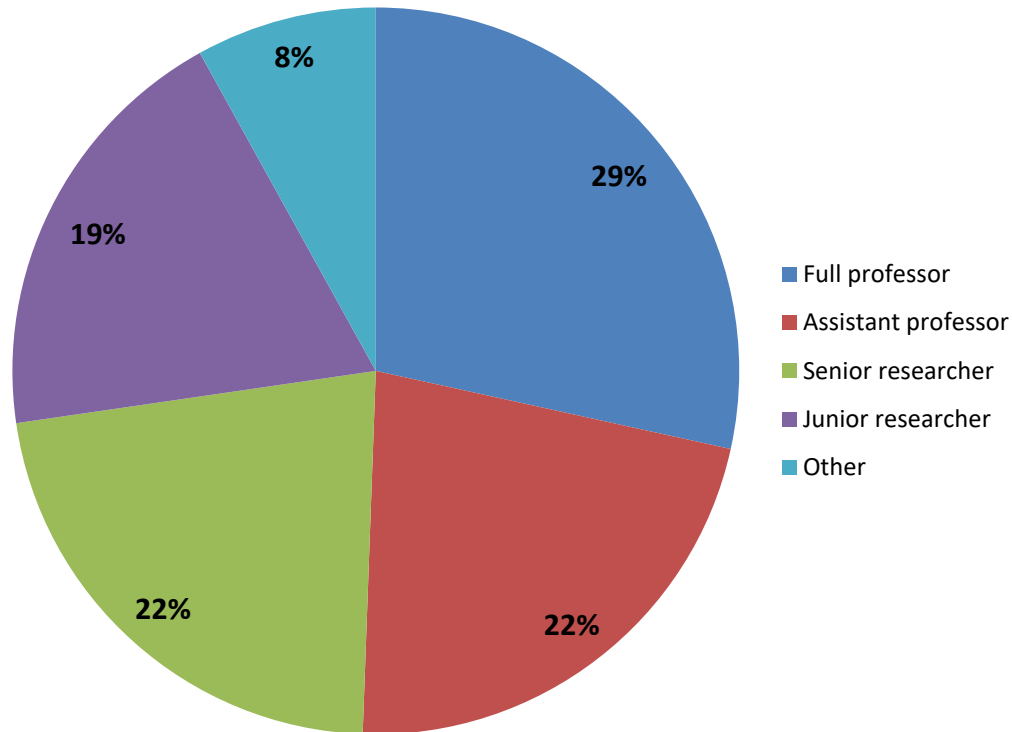


Laureates under 40 years : 17% vs 23% mean
Laureates over 55 years : 22% vs 16% mean
Laureates between 40 et 55 years : 61% vs 61% mean

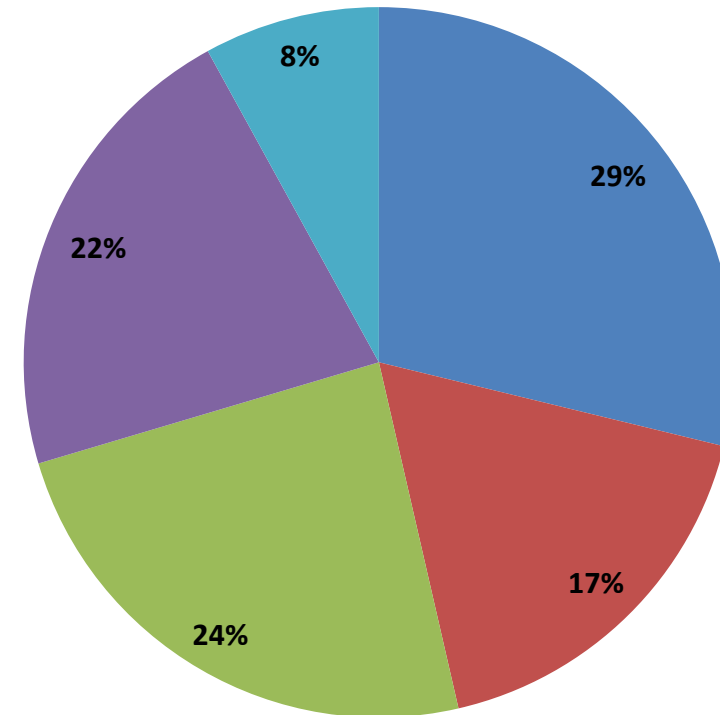
Laureates under 40 years : 10%
Laureates over 55 years : 15%
Laureates between 40 et 55 years : 75%

FRENCH PIS (PRINCIPAL INVESTIGATORS) : STATUS 2005-2021 (DATA FROM CAMPUS FRANCE)

Applicants professional status



Laureates professional status



Data from 348 french applicants and 125 french laureates

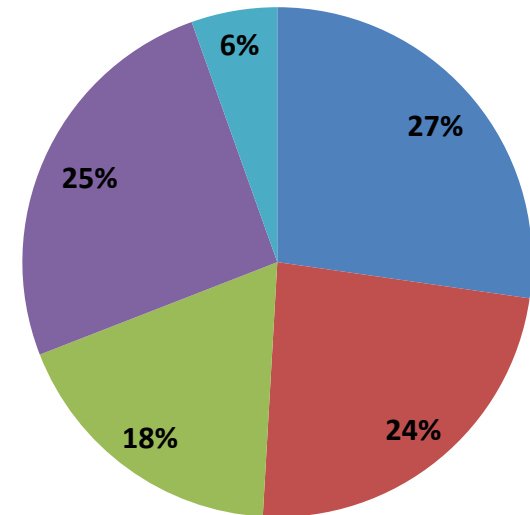
PRINCIPAL INVESTIGATORS : STATUS

2005-2021

FRENCH AND BULGARIAN SURVEYS

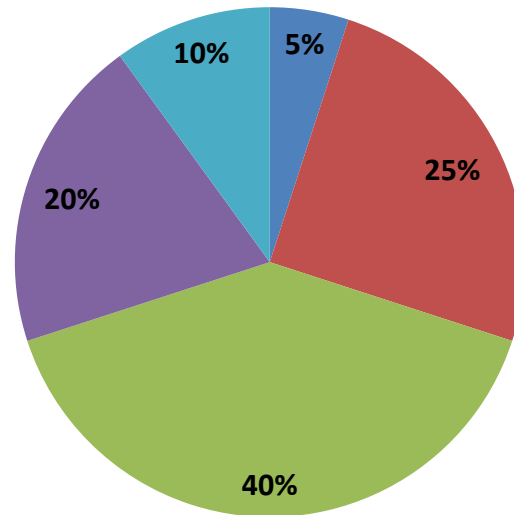
**Previous professional status
(at the beginning of the project)**

Current professional status



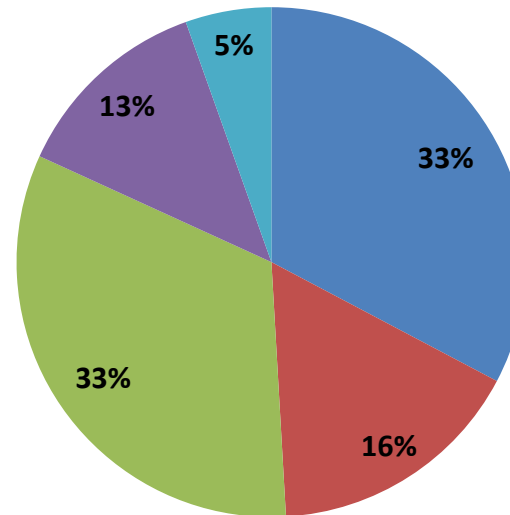
- Full professor
- Assistant professor
- Senior researcher
- Junior researcher
- Other

French Survey



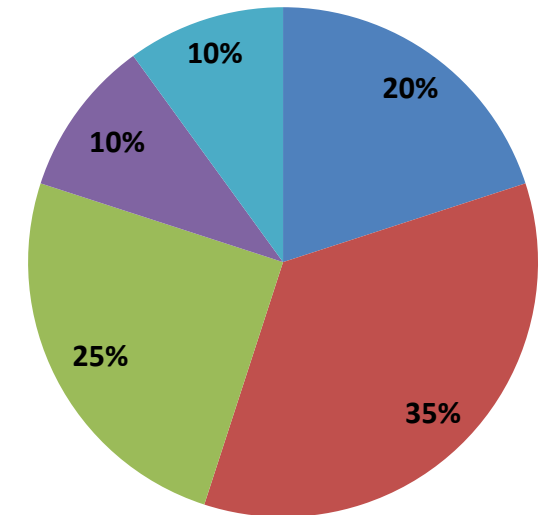
- Professor (University, high education)
- Professor (in scientific organisation)
- Associate professor (University, high education)
- Associate professor (in scientific organisation)
- Other

Bulgarian Survey



- Full professor
- Assistant professor
- Senior researcher
- Junior researcher
- Other

French Survey



- Professor (University, high education)
- Professor (in scientific organisation)
- Associate professor (University, high education)
- Associate professor (in scientific organisation)
- Other

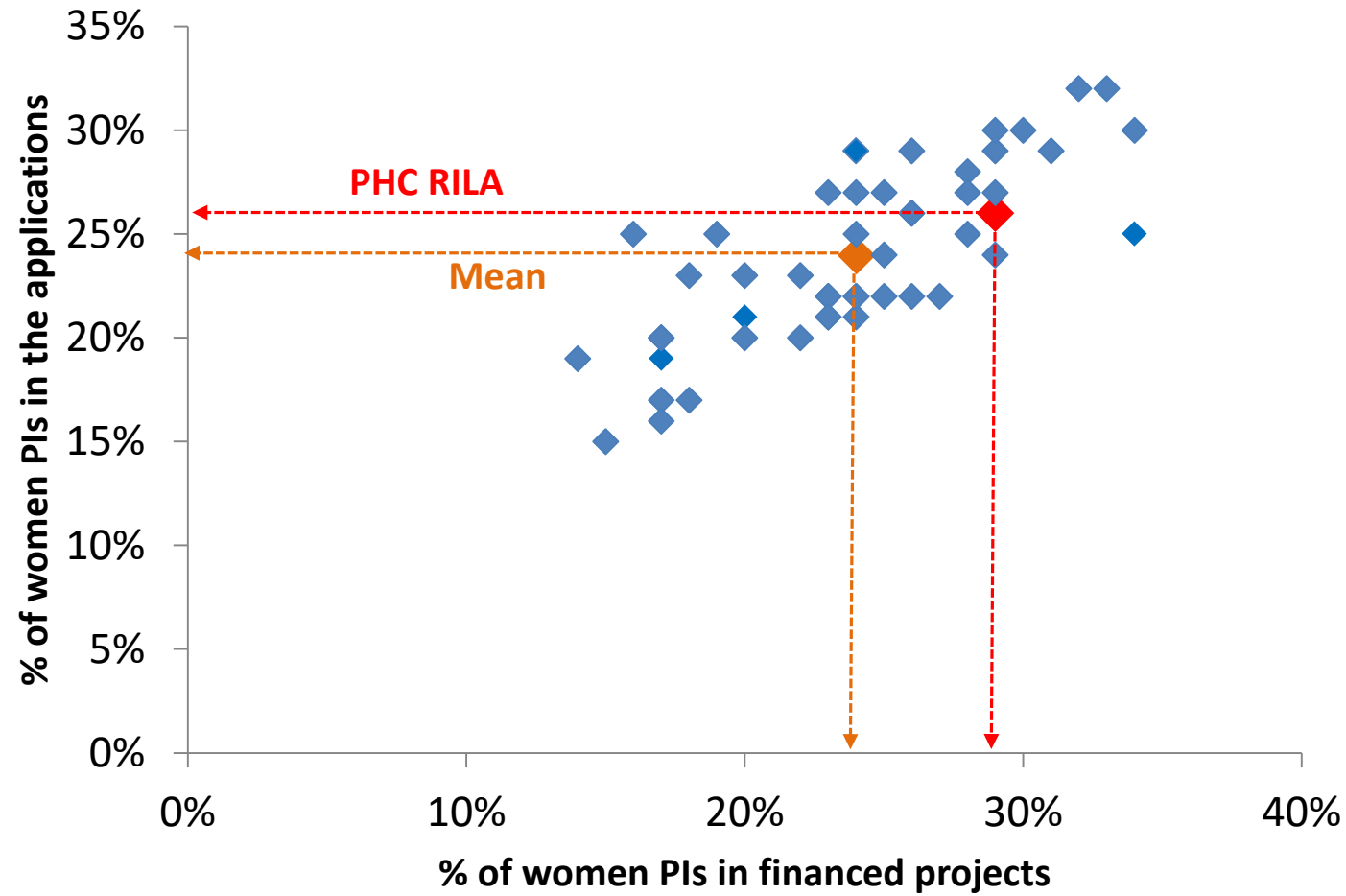
Bulgarian Survey

Data from respectively 55 and 20 responses

IMPLICATION OF WOMEN 2005-2021

CAMPUS FRANCE

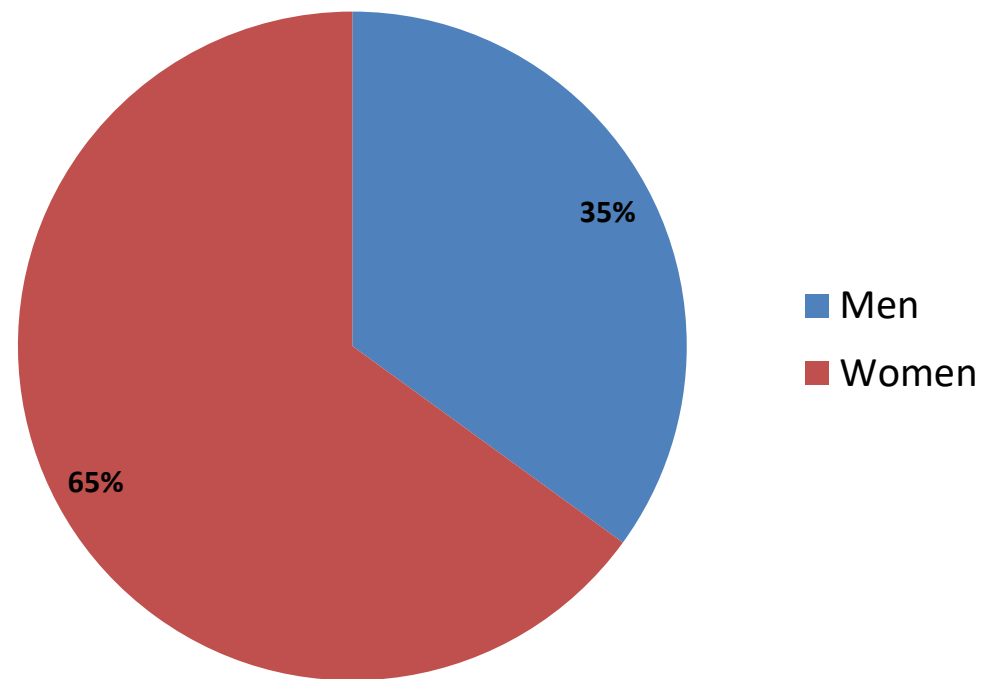
(Comparison between 49 different bilateral programs)



% of women PIs candidates : **26% vs 24% mean**

% of women PIs laureates : **29% vs 24% mean**

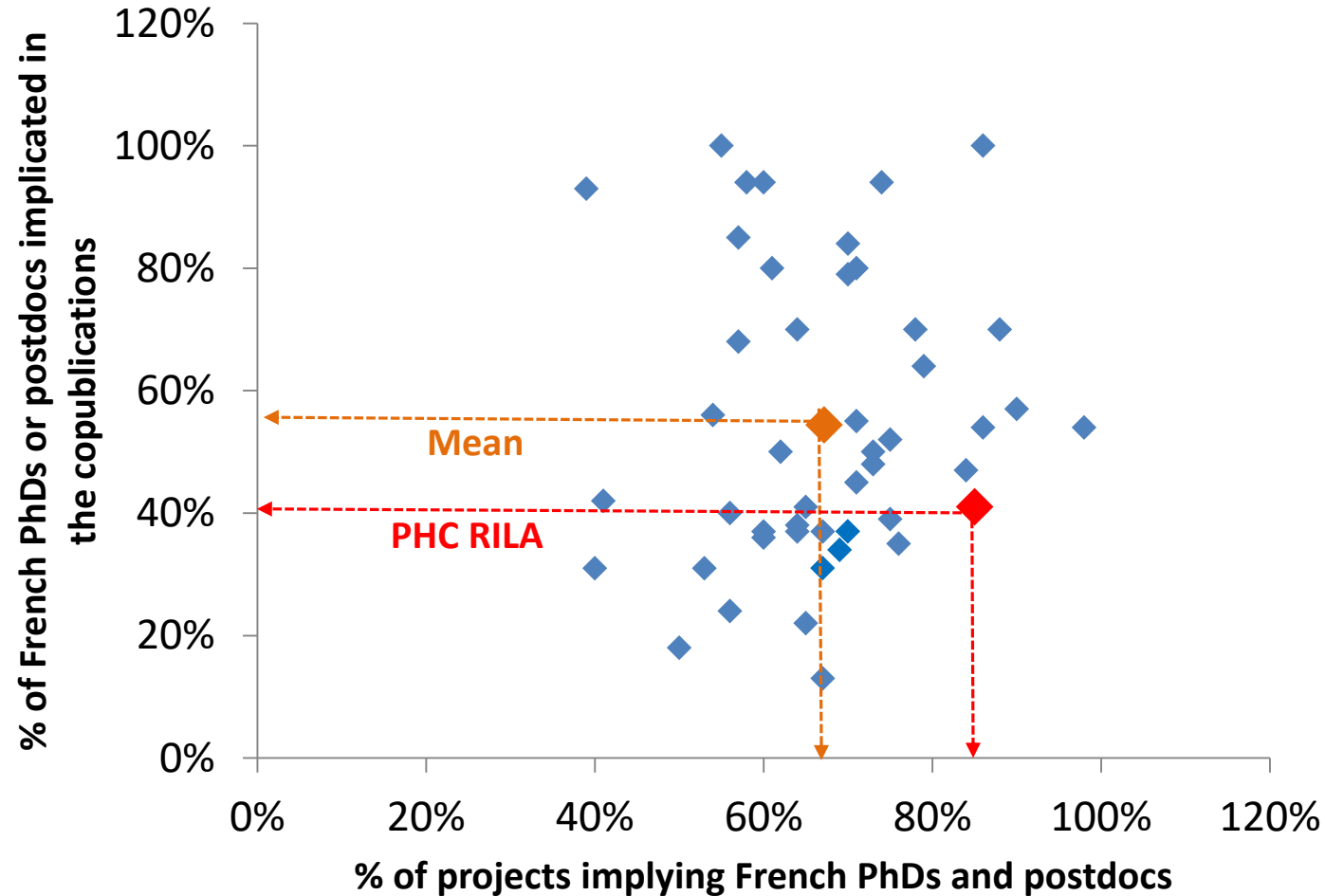
Bulgarian Survey (20 responses)



IMPLICATION OF FRENCH YOUNG RESEARCHERS IN THE PUBLICATIONS 2005-2021

FRENCH SURVEY

(COMPARISON BETWEEN 49 DIFFERENT BILATERAL PROGRAMS)

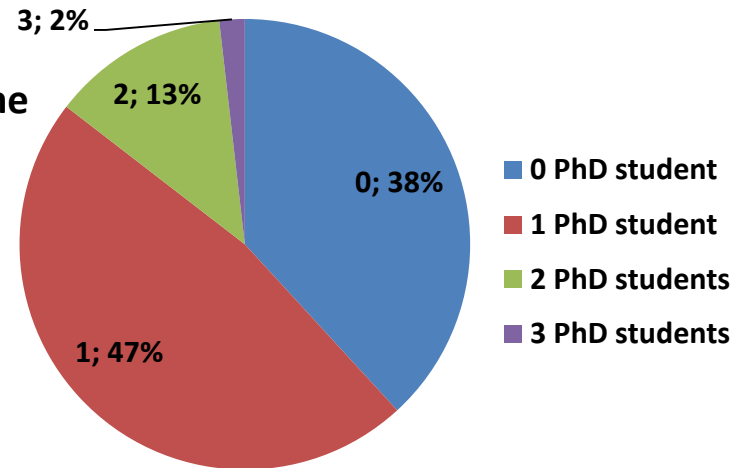


% of projects involving french young PhDs or postdocs : **85% vs 67% mean**
% of french PhDs or postdocs involved in the coproductions : **41% vs 54% mean**

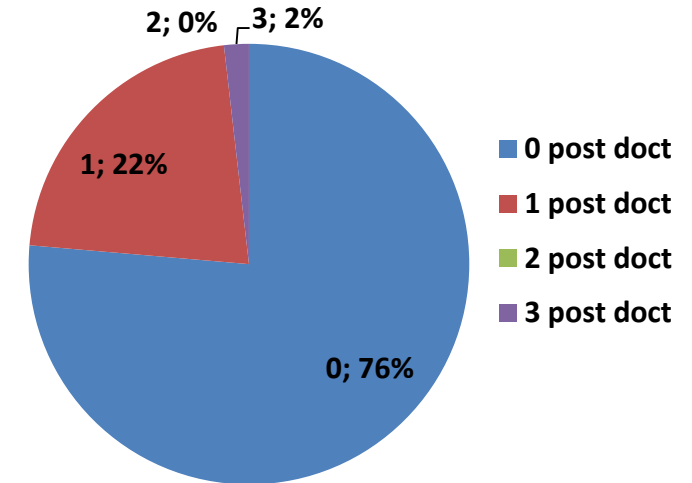
PARTICIPATION OF YOUNG RESEARCHERS 2005-2021

FRENCH SURVEY (55 RESPONSES)

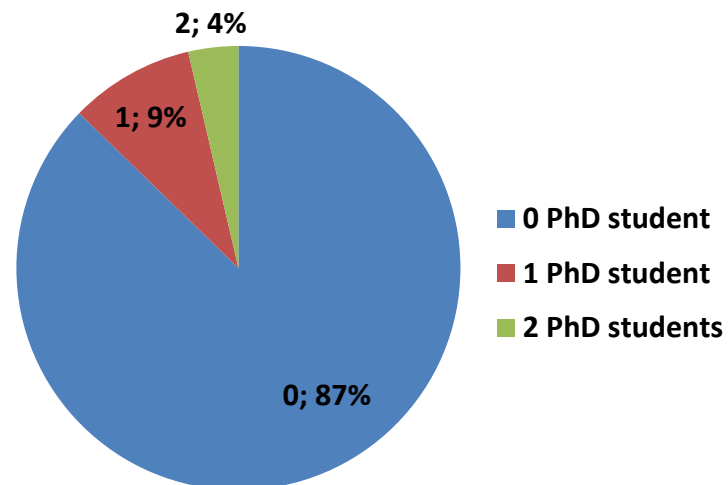
Number of French PhD students



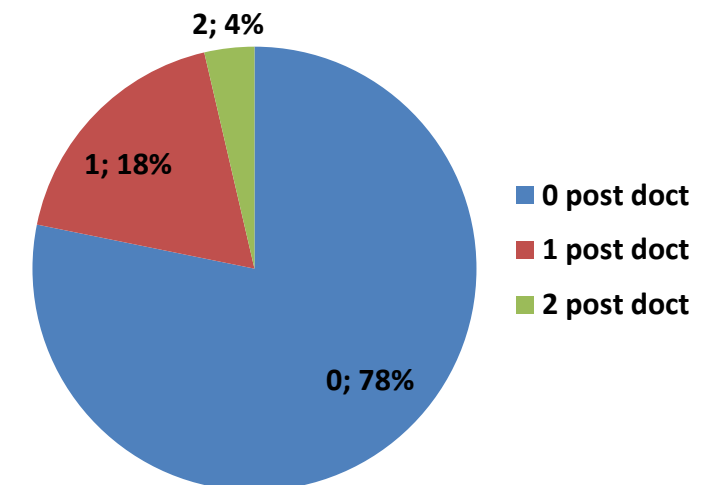
Number of French post-doctoral researchers



Number of Bulgarian PhD students



Number of Bulgarian post-doctoral researchers



62% of projects involve at least one French PhD student

24% of projects involve at least one French post-doctoral researcher

85% of the projects imply a French young researcher, PhD or postdoc

13% of projects involve at least one Bulgarian PhD student

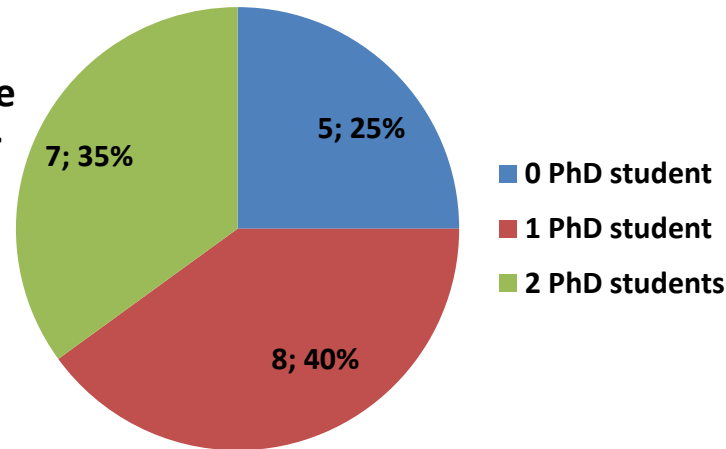
22% of projects involve at least one Bulgarian post-doctoral researcher

31% of the projects imply a Bulgarian young researcher, PhD or postdoc

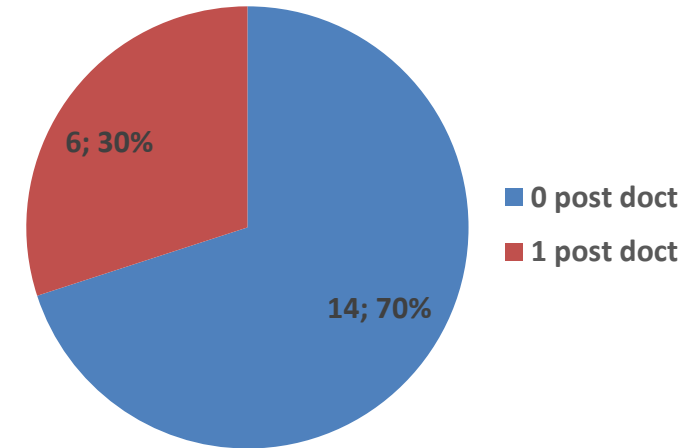
PARTICIPATION OF YOUNG RESEARCHERS 2005-2021

BULGARIAN SURVEY (20 RESPONSES)

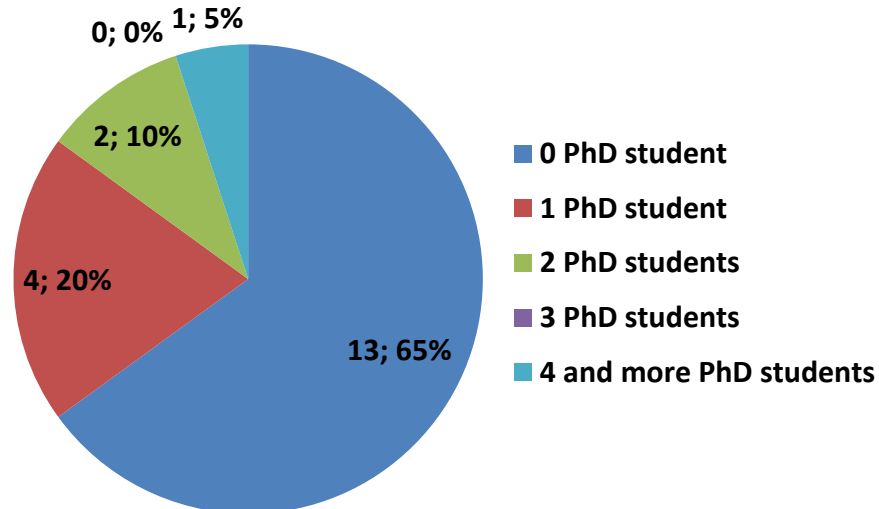
Number of Bulgarian PhD students



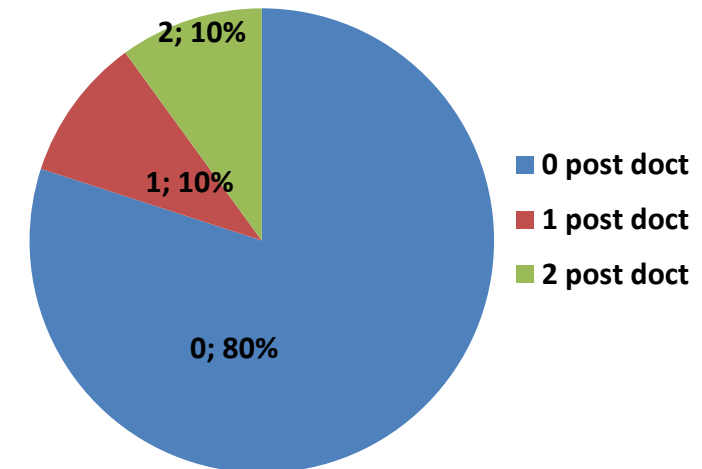
Number of Bulgarian post-doctoral researchers



Number of French PhD students



Number of French post-doctoral researchers



75% of projects involve at least one Bulgarian PhD student

30% of projects involve at least one Bulgarian post-doctoral researcher

85% of the projects imply a Bulgarian young researcher, PhD or postdoc

35% of projects involve at least one French PhD student

20% of projects involve at least one French post-doctoral researcher

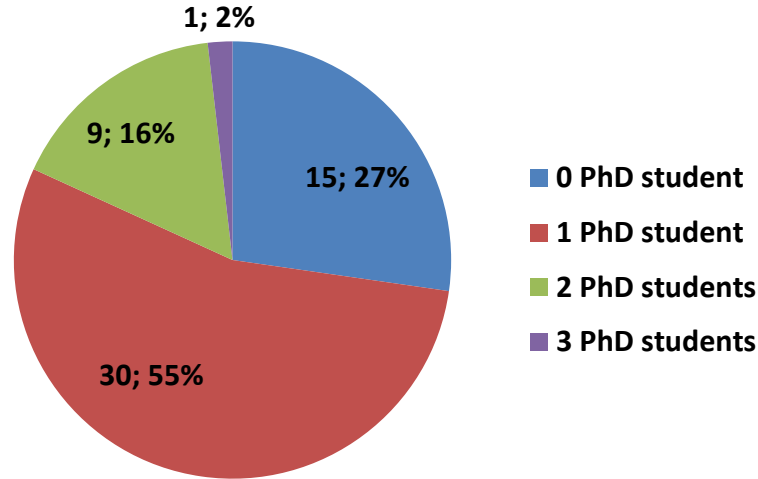
55% of the projects imply a French young researcher, PhD or postdoc

PARTICIPATION OF BOTH FRENCH AND BULGARIAN YOUNG RESEARCHERS

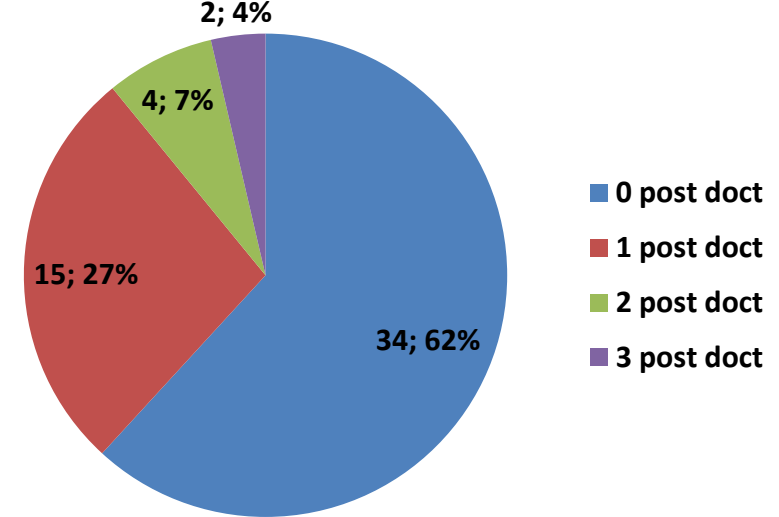
FRENCH AND BULGARIAN SURVEYS (55 AND 20 RESPONSES)

73% of projects involve at least one PhD student
38% of projects involve at least one post-doctoral researcher
82% of the projects imply a young researcher, PhD or postdoc

Number of PhD students

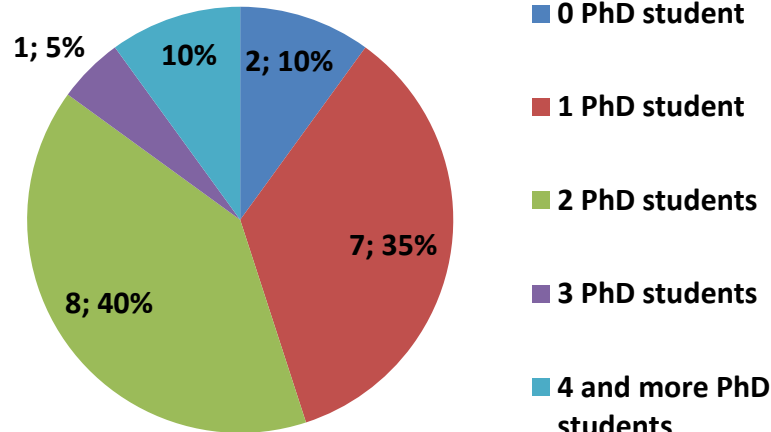


Number of post-doctoral researchers

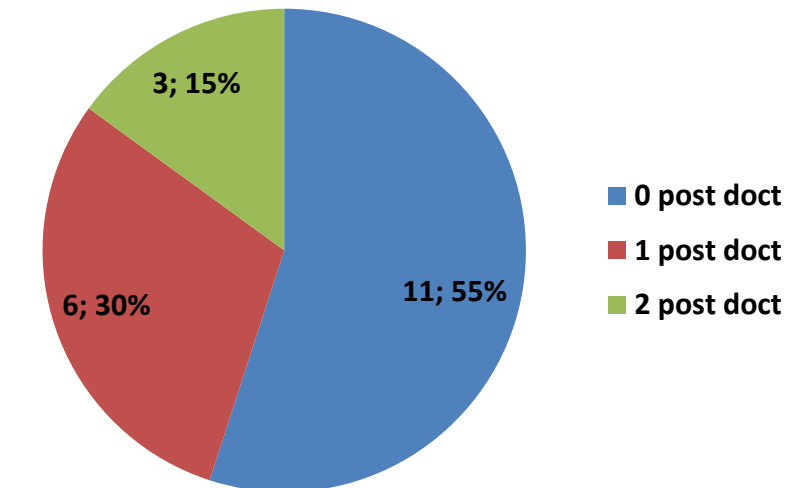


90% of projects involve at least one PhD student
45% of projects involve at least one post-doctoral researcher
95% of the projects imply a young researcher, PhD or postdoc

Number of PhD students



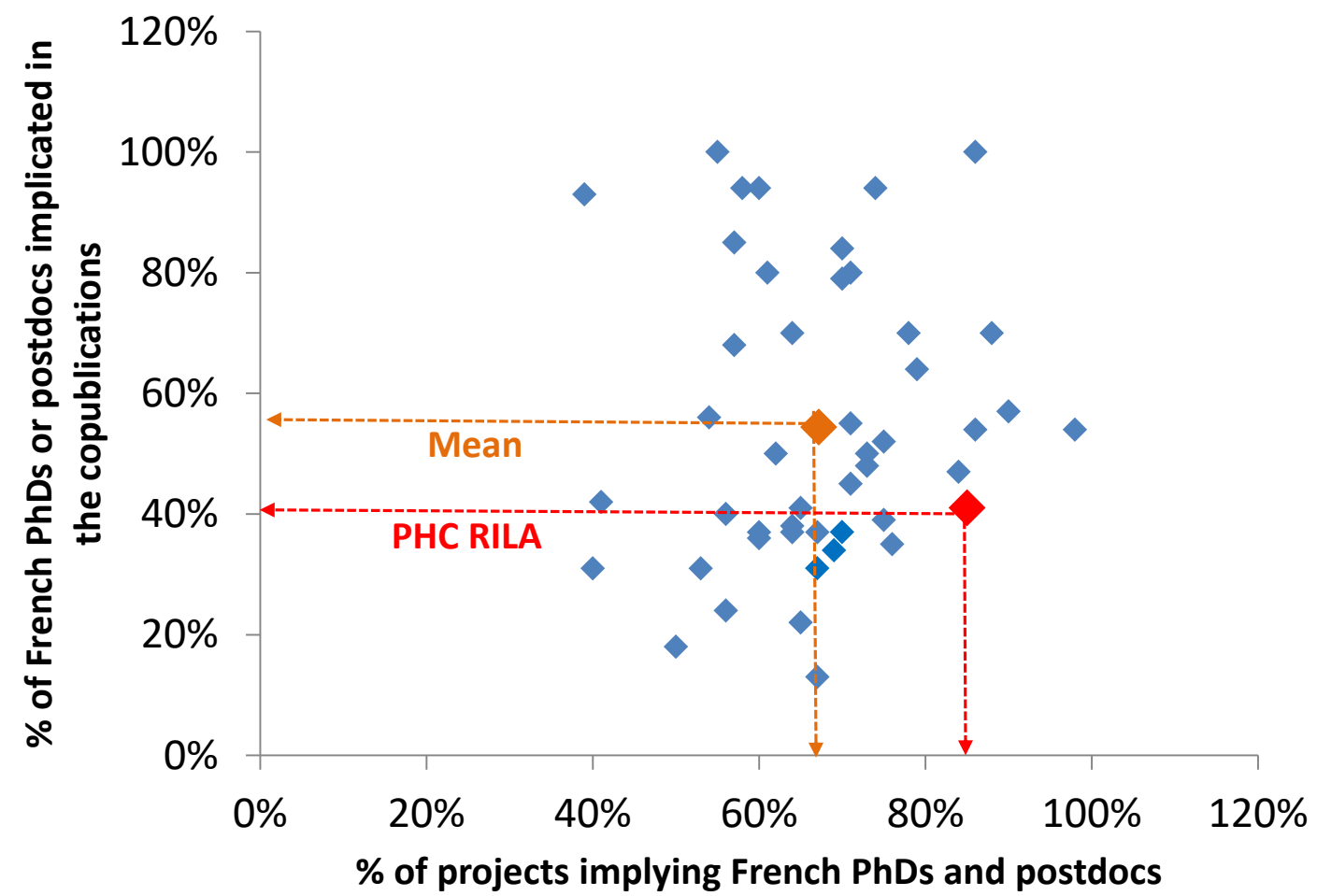
Number of post-doctoral researchers



IMPLICATION OF FRENCH YOUNG RESEARCHERS IN THE PUBLICATIONS 2005-2021

FRENCH SURVEY

(COMPARISON BETWEEN 49 DIFFERENT BILATERAL PROGRAMS)



% of projects involving french young PhDs or postdocs : 85% vs 67% mean
% of french PhDs or postdocs involved in the coproductions : 41% vs 54% mean

SUMMARY FOR BOTH FRENCH AND BULGARIAN YOUNG RESEARCHERS

FRENCH AND BULGARIAN SURVEYS

Total number of PhDs	Total number of projects with PhDs	% of projects with PhDs	% of projects without PhDs
51/34	40/18	73%/90%	27%/10%
Total number of Postdoctorates	Total number of projects with Postdoctorates	% of projects with Postdoctorates	% of projects without Postdoctorates
29/12	21/9	38%/45%	62%/55%
Total number of young researchers	Total number of projects with young researchers	% of projects with young researchers	% of projects without young researchers
80/46	45/19	82%/95%	18%/5%

Data from respectively **55** and **20** responses



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

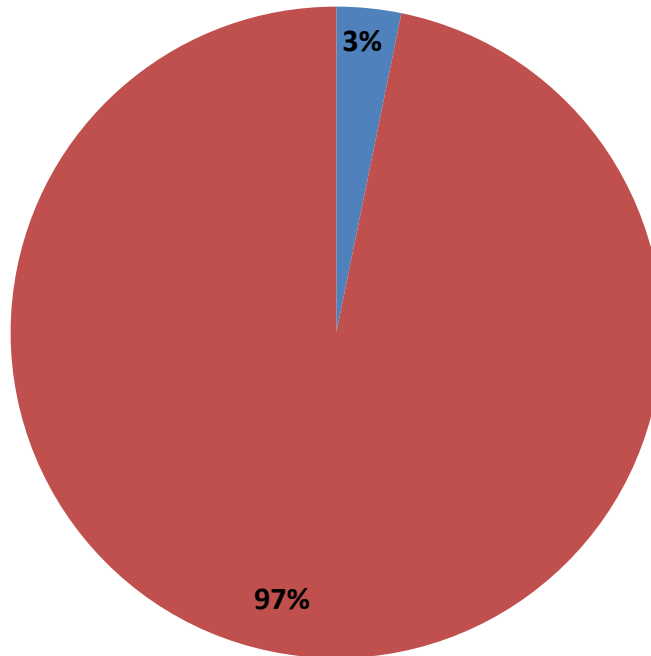
*Liberté
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MOBILITY

MOBILITIES 2003-2022

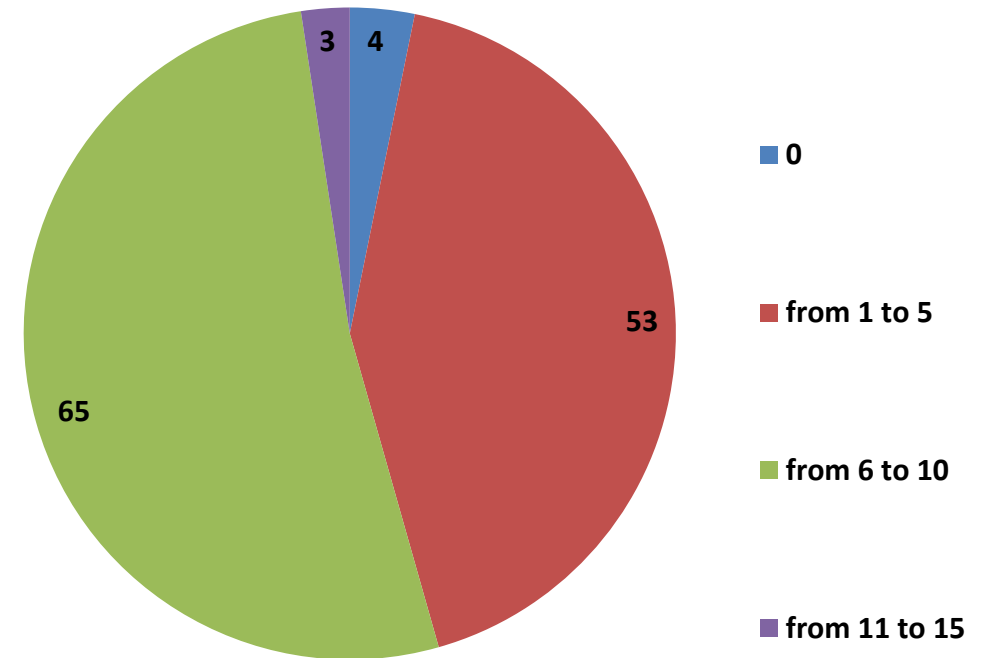
(DATA FROM CAMPUS FRANCE)

**Projects with/without mobilities
(125 selected projects)**



■ Without mobilities ■ With mobilities

**Number of mobilities per project
(321 selected projects)**

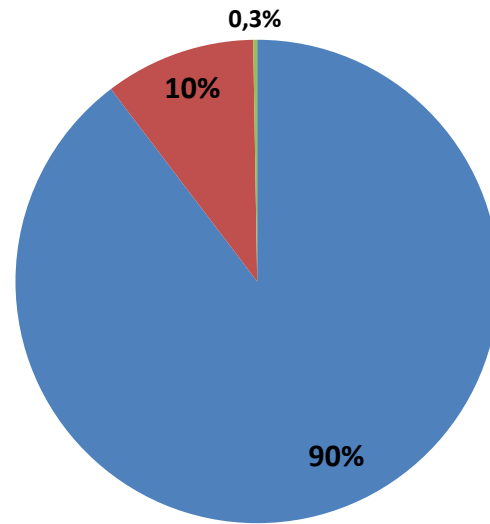


Data from 377 outgoing mobilities and 436 incoming mobilities

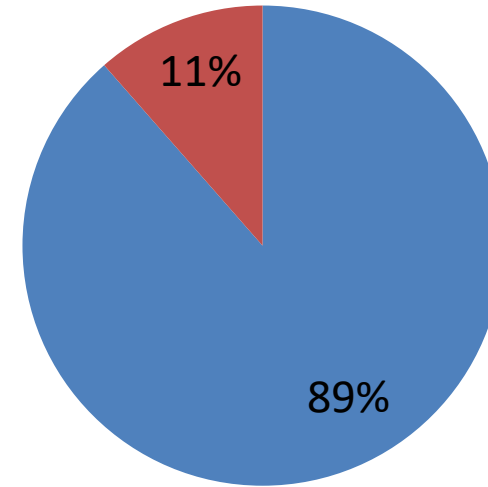
MOBILITY : DURATION 2003-2022

(DATA FROM CAMPUS FRANCE)

France → Bulgaria



Bulgaria → France



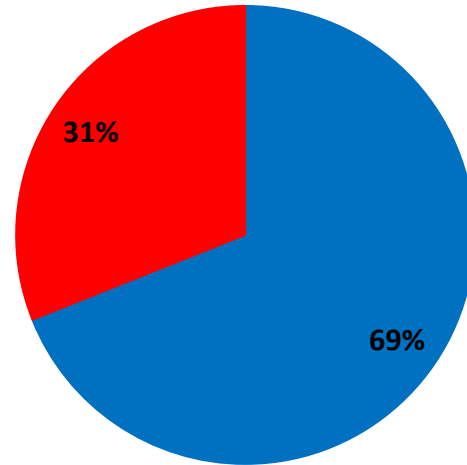
- < 15 days
- between 15 days and 3 months
- > 3 months

Data from 377 outgoing mobilities and 436 incoming mobilities

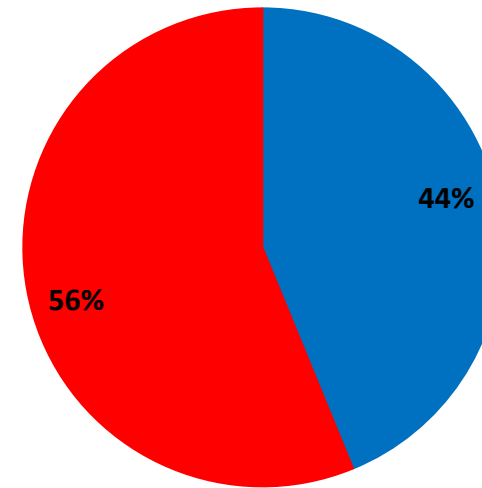
MOBILITY : GENDER DISTRIBUTION 2003-2022

(DATA FROM CAMPUS FRANCE)

France → Bulgaria



Bulgaria → France

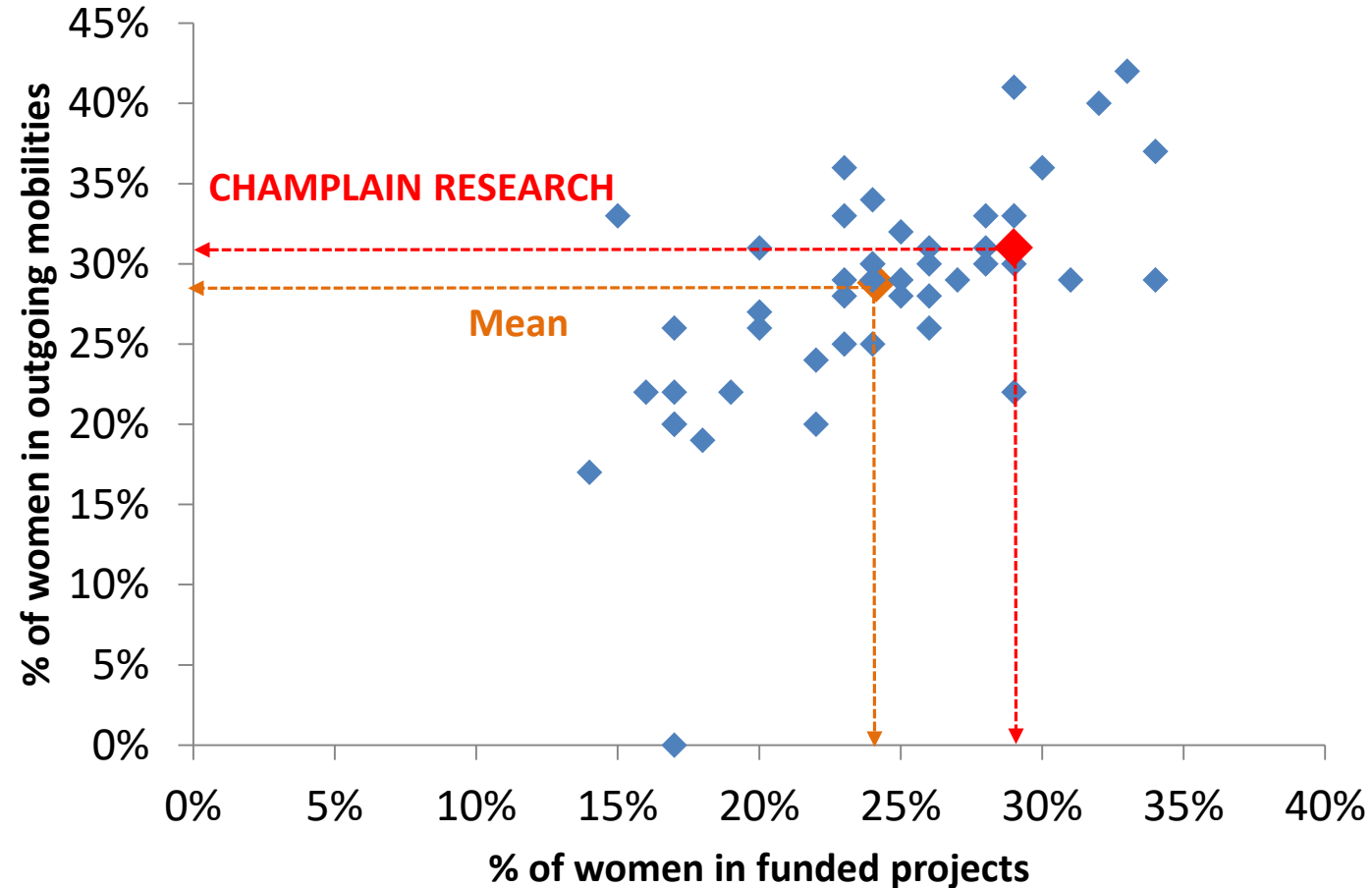


■ Men ■ Women

Data from 377 outgoing mobilities and 436 incoming mobilities

WOMEN MOBILITY FRANCE – BULGARIA

(DATA FROM CAMPUS FRANCE
COMPARISON BETWEEN 49 DIFFERENT BILATERAL PROGRAMS)



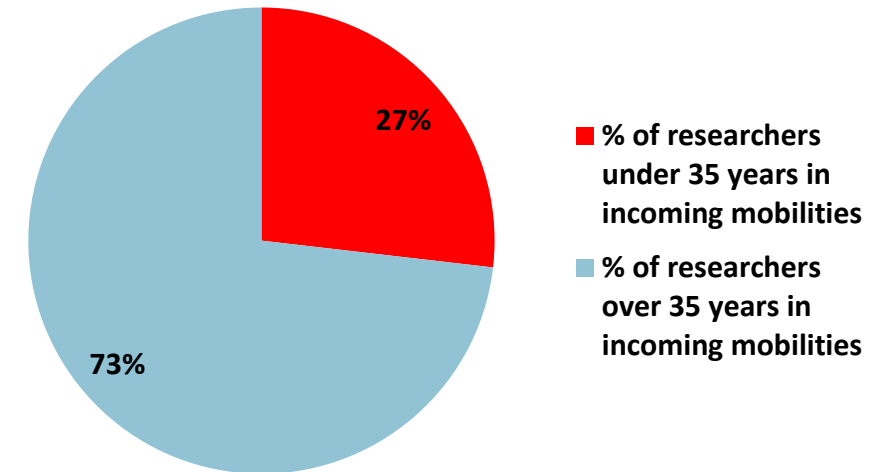
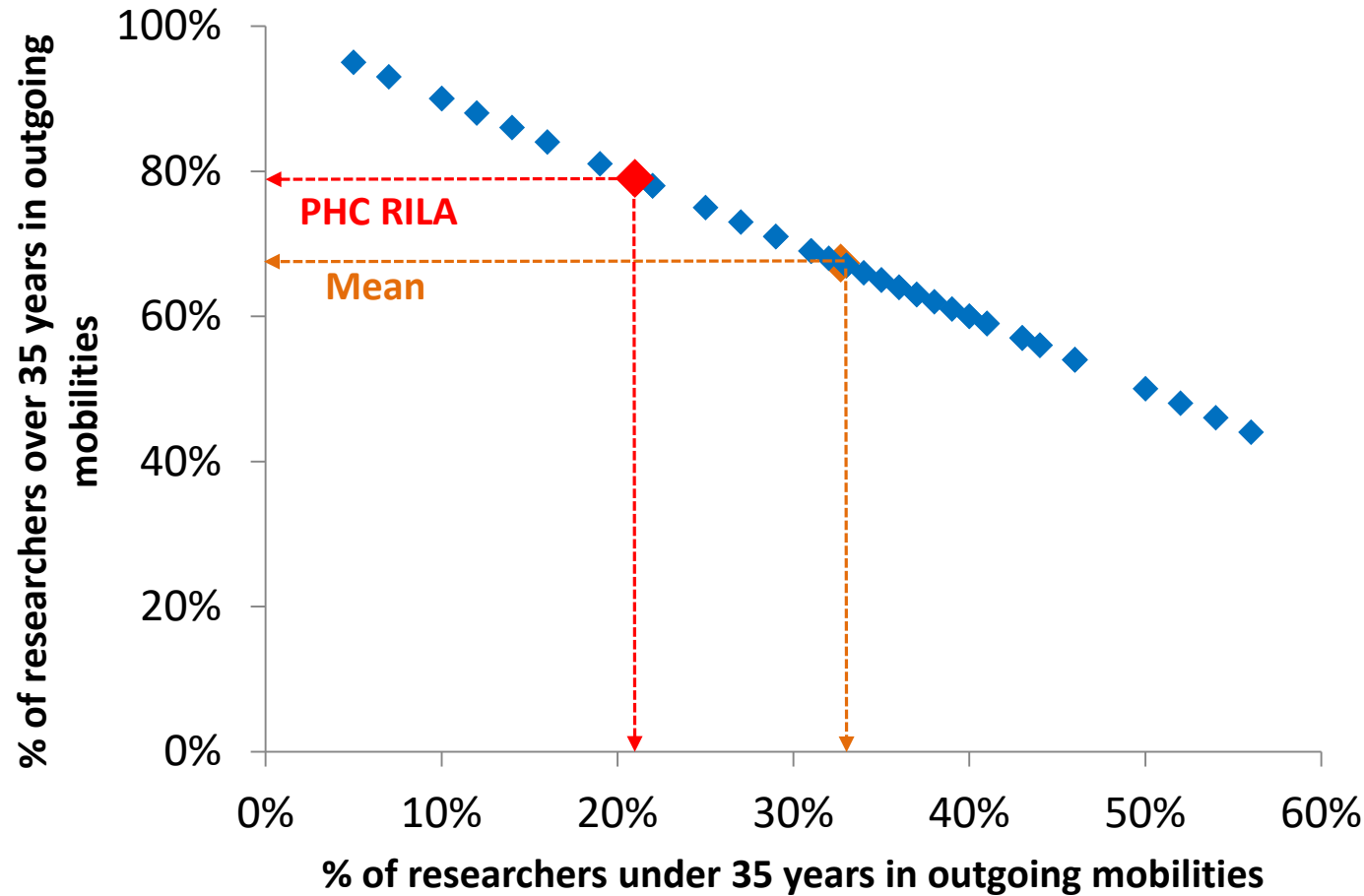
% of women PIs in the funded projects : **29% vs 24% mean**
% of women PIs in outgoing mobilities : **31% vs 29% mean**

YOUNG RESEARCHERS MOBILITY

(DATA FROM CAMPUS FRANCE)

France → Bulgaria

Bulgaria → France



% of young french researchers in outgoing mobilities : **21% vs 33% mean**
 % of young bulgarian researchers in incoming mobilities : **27%** (mean non available)



**MINISTÈRE
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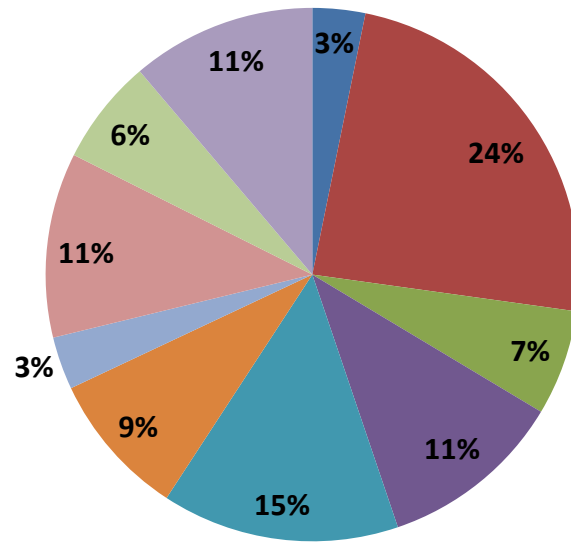
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**SCIENTIFIC
PRODUCTION
(2005-2021)**

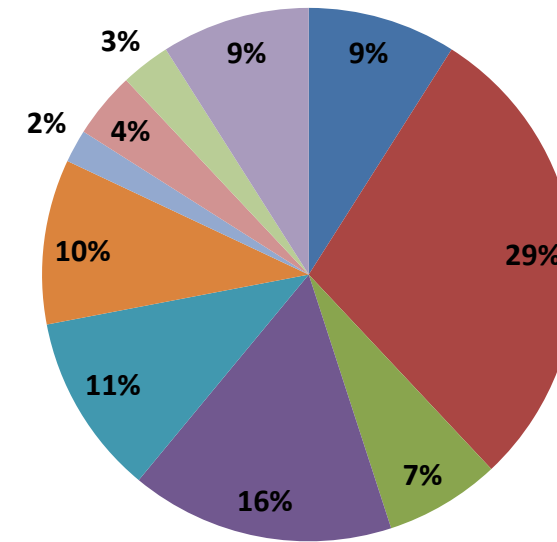
SCIENTIFIC OUTPUT 2005-2021 (1/2)

FRENCH SURVEY

**Funded projects 2005-2021
(125)**



**Percentage of coproductions
(55 respondents)**



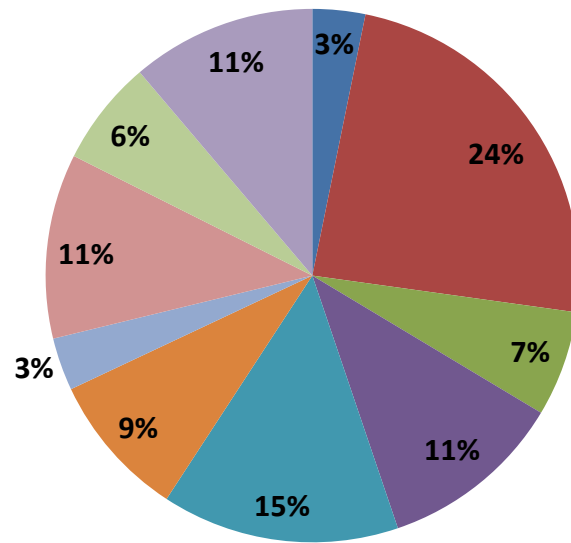
Analyse de 100 publications

- | | |
|---|---|
| ■ Mathematics | ■ Physics |
| ■ Marine/Earth/Planet Sciences | ■ Chemistry |
| ■ Biology and Health | ■ Humanities |
| ■ Social Sciences | ■ Engineering Sciences |
| ■ Information Technology | ■ Agronomy/Ecology |

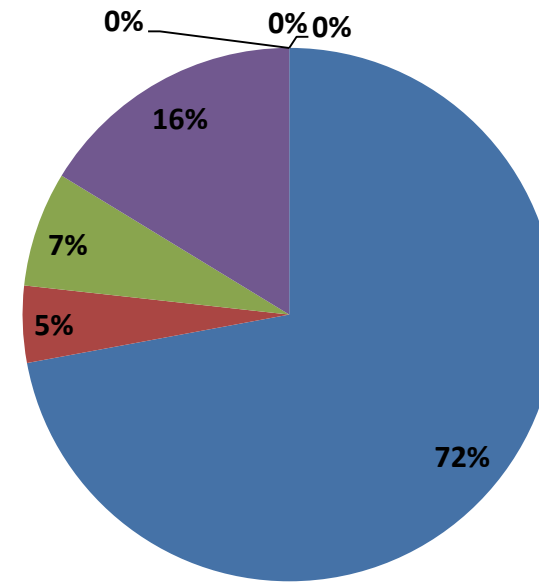
SCIENTIFIC OUTPUT 2005-2021 (1/2)

BULGARIAN SURVEY

**Funded projects 2005-2021
(125)**



**Percentage of coproductions
(20 respondents)**



Analysis of 43 publications

- Mathematics
- Marine/Earth/Planet Sciences
- Biology and Health
- Social Sciences
- Information Technology
- Physics
- Chemistry
- Humanities
- Engineering Sciences
- Agronomy/Ecology

- Physics
- Marine/Earth/Planet Sciences
- Chemistry
- Biology and Health
- Humanities
- Engineering Sciences
- Agronomy/Ecology

No respondents for Mathematics,
Social sciences and Information technology

SCIENTIFIC OUTPUT 2005-2021 (2/2)

FRENCH SURVEY

	Number of financed projects in the survey	Average annual number of scientific co-productions per project
Mathematics	3	1,5
Physics	14	1,0
Marine/Earth/Planet Sciences	3	1,2
Chemistry	6	1,3
Biology and Health	6	0,9
Humanities	8	0,6
Social Sciences	2	0,5
Engineering Sciences	5	0,4
Information Technology	3	0,5
Agronomy / Ecology	5	0,9
TOTAL	55	

Overall average annual number of scientific coproductions per project : 0,9 vs 0,96 mean

76% of funded projects led to one scientific coproduction at least
35% of coproductions include at least 1 French PhD or PostDoc and 18% 1 Bulgarian PhD or PostDoc
The average annual rate of publication for French young researchers involved in the projects is 0,41 and 0,45 for Bulgarian young researchers
Each young French researcher involved in the publications has published 0,73 publication per year
Each young Bulgarian researcher involved in the publications has published 0,69 publication per year

SCIENTIFIC OUTPUT 2005-2021 (2/2)

BULGARIAN SURVEY

	Number of financed projects in the survey	Average annual number of scientific co-productions per project
Mathematics	-	-
Physics	7	2,2
Marine/Earth/Planet Sciences	2	0,5
Chemistry	3	0,5
Biology and Health	3	1,2
Humanities	2	0,0
Social Sciences	-	-
Engineering Sciences	2	0,0
Information Technology	-	-
Agronomy / Ecology	1	0,0
TOTAL		

Overall average annual number of scientific coproductions per project : 1,1 vs 0,96 mean

55% of funded projects led to one scientific coproduction at least
28% of coproductions include at least 1 French PhD or PostDoc and 33% 1 Bulgarian PhD or PostDoc
The average annual rate of publication for French young researchers involved in the projects is 0,33 and 0,25 for Bulgarian young researchers
Each young French researcher involved in the publications has published 2,00 publication per year
Each young Bulgarian researcher involved in the publications has published 1,17 publication per year



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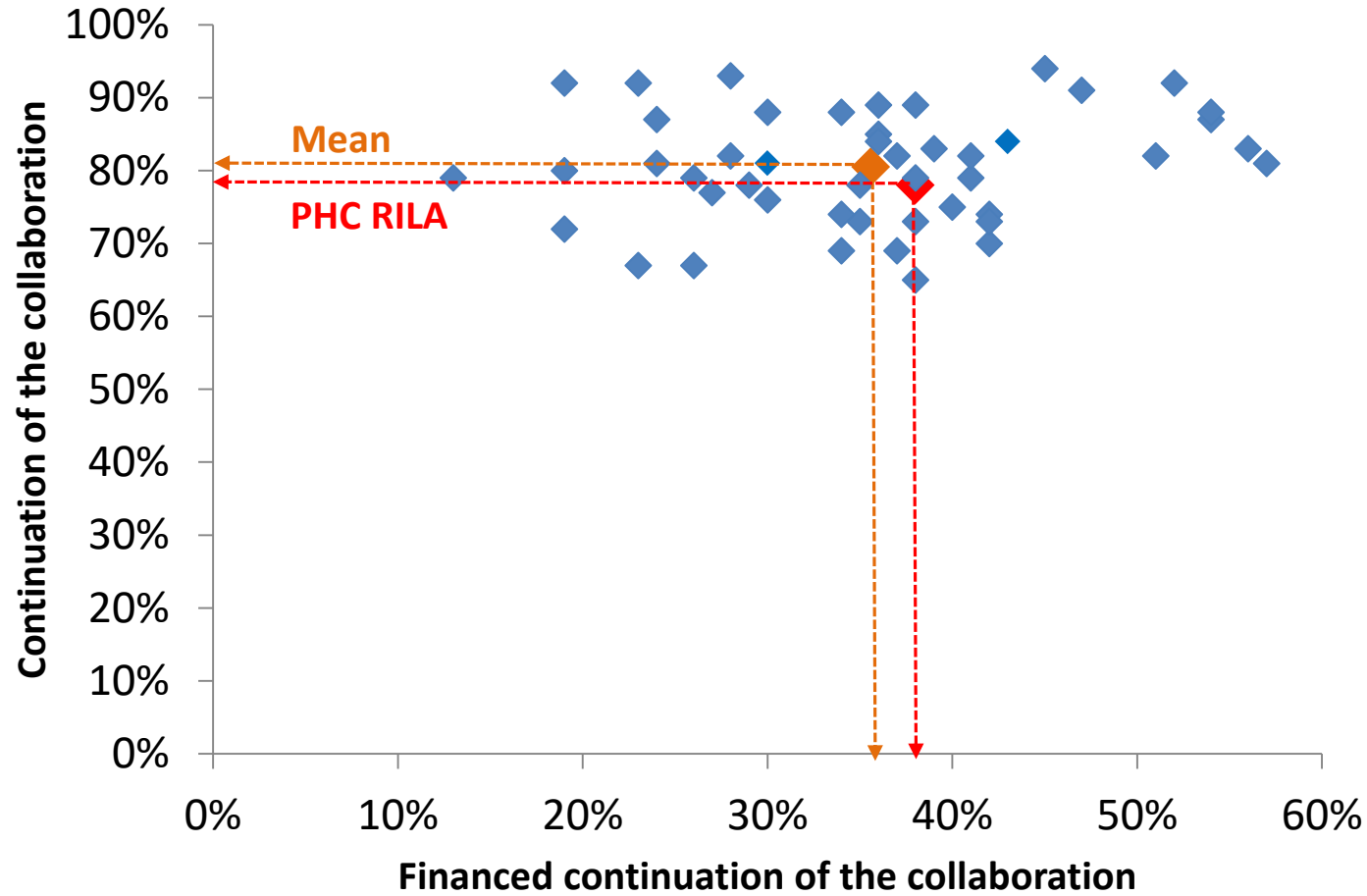
WHAT HAPPENS AFTER A RILA PROJECT ?

CONTINUATION OF THE COOPERATION 2005-2021 (1/7)

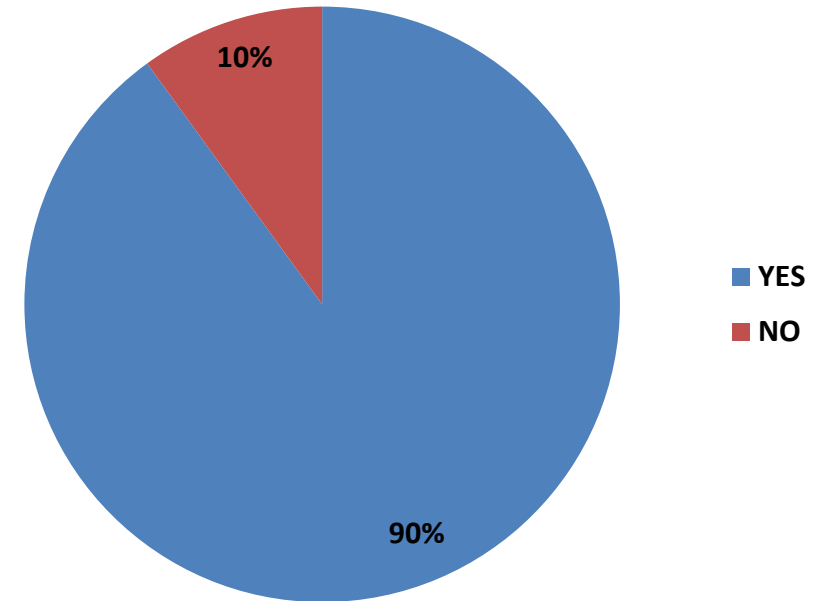
FRENCH AND BULGARIAN SURVEYS (55 AND 20 RESPONSES)

French Survey

(Comparison between 48 different bilateral programs)



Bulgarian Survey (20 responses)



Continuation of the cooperation 2005-2022 : 78% vs 81% mean
Financed continuation of the cooperation 2005-2022 : 38% vs 36% mean

Continuation of the cooperation 2005-2022 : 90%

CONTINUATION OF THE COOPERATION 2005-2021 (2/7)

FRENCH AND BULGARIAN SURVEYS (43 AND 18 RESPONSES)

Respectively **78%** and **90%** of the cooperations continued after the RILA project

Which activities?	FR	BU
Cooperative research	72%	89%
Scientific co-productions	65%	61%
Joint participation to conferences	53%	28%
Researchers mobilities	49%	44%
Co-organisation of scientific events	26%	17%
Joint supervision or co-supervision of PhD	14%	11%
PhD mobilities	9%	22%
Joint diplomas (Master, PhD...)	5%	0%
Other	7%	11%

CONTINUATION OF THE COOPERATION 2005-2021 (3/7)

FRENCH AND BULGARIAN SURVEYS (37 AND 16 RESPONSES)

Respectively **38%** and **44%** of cooperations have been funded following the project

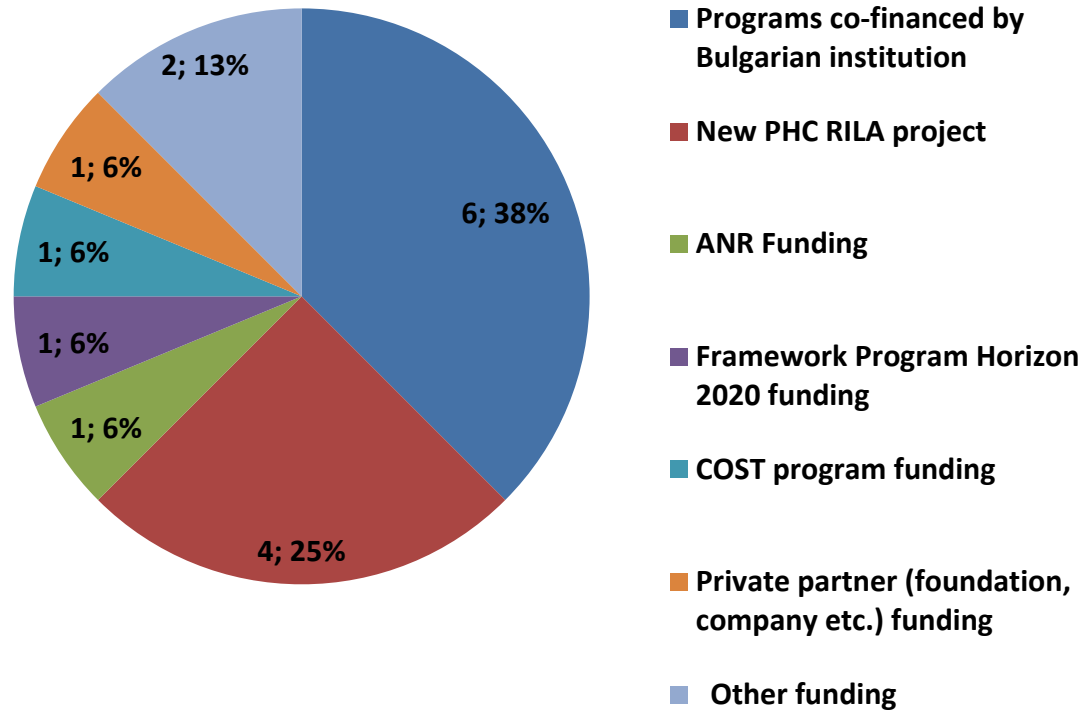


CONTINUATION OF THE COOPERATION 2005-2021 (4/7)

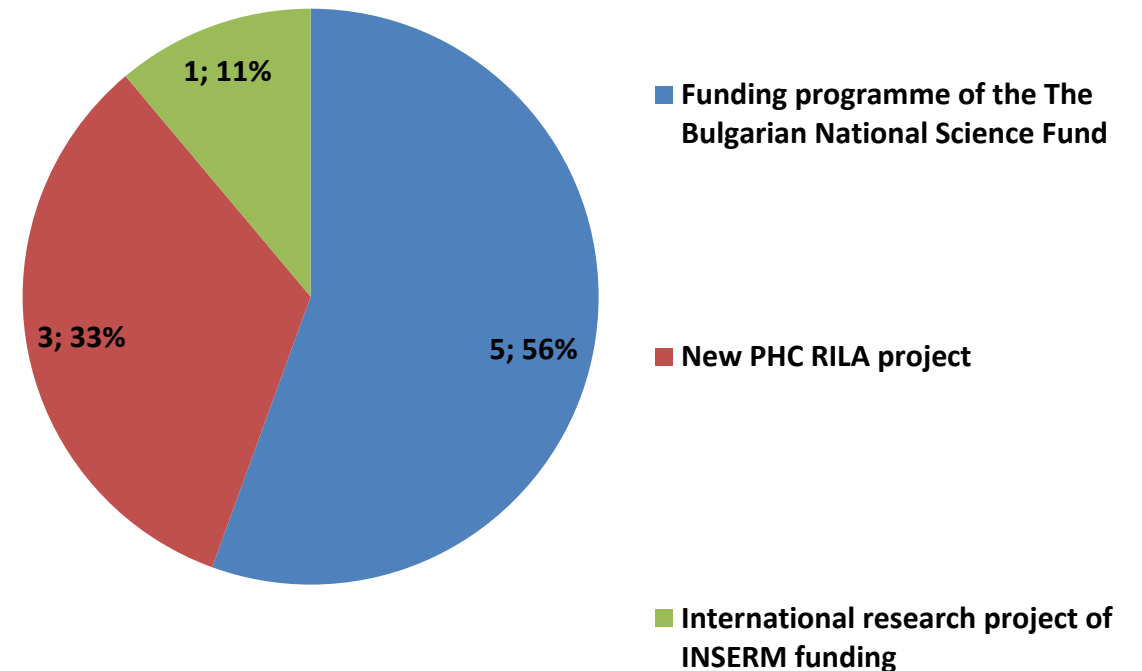
FRENCH AND BULGARIAN SURVEYS (20 AND 12 RESPONSES)

What kind of funded collaborations after the RILA project ?

French Survey



Bulgarian Survey

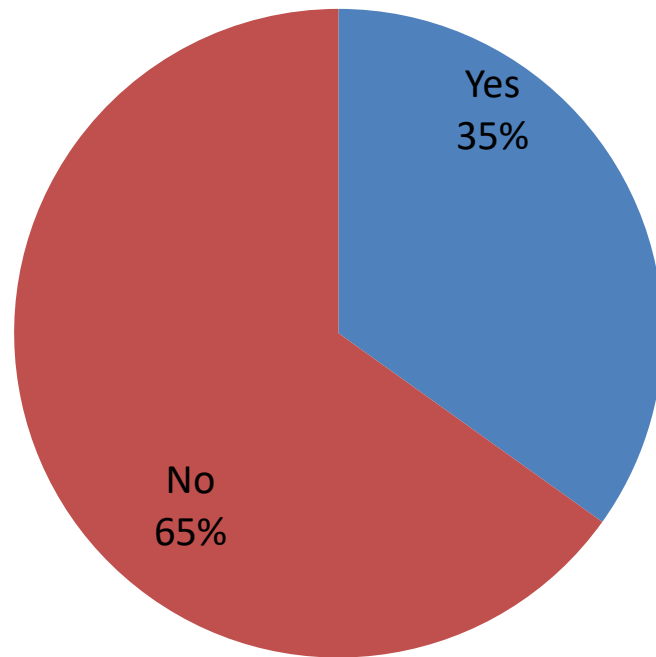


CONTINUATION OF THE COOPERATION 2005-2021 (5/7)

FRENCH AND BULGARIAN SURVEYS (43 AND 18 RESPONSES)

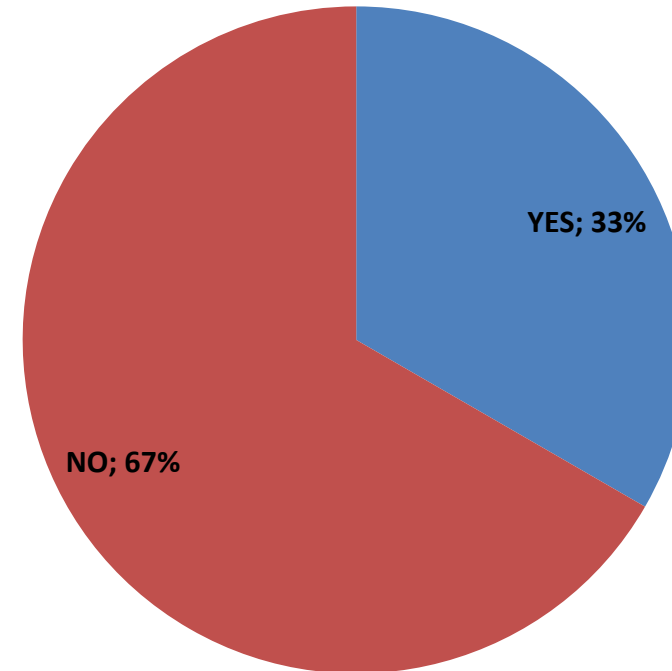
Has the ongoing cooperation involved new partners?

French Survey



For a total of 19 new partners from 14 different countries

Bulgarian Survey



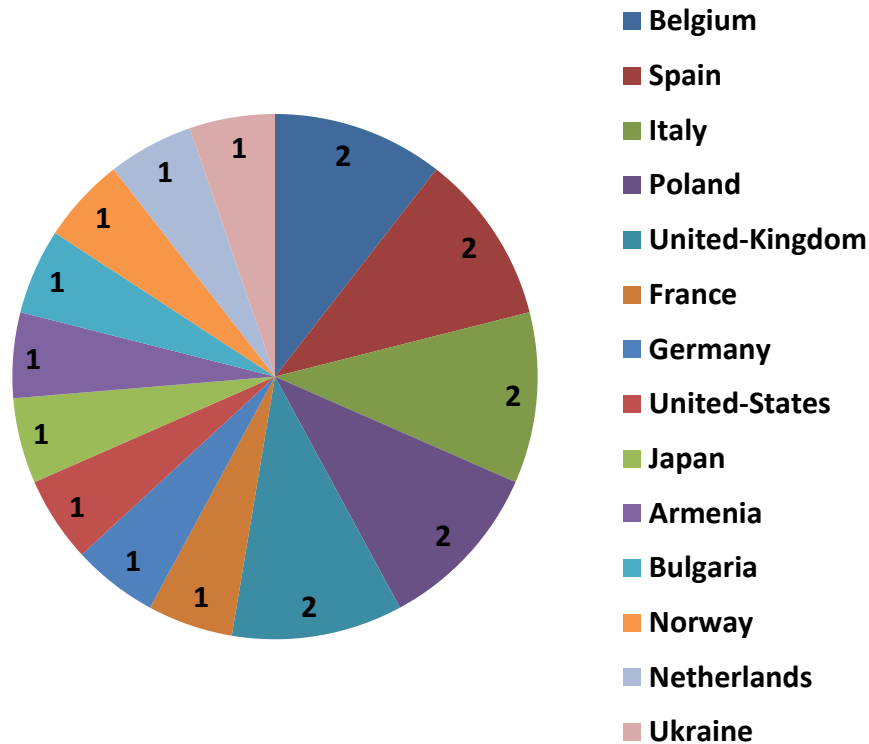
For a total of 11 new partners from 9 different countries

CONTINUATION OF THE COOPERATION 2005-2021 (6/7)

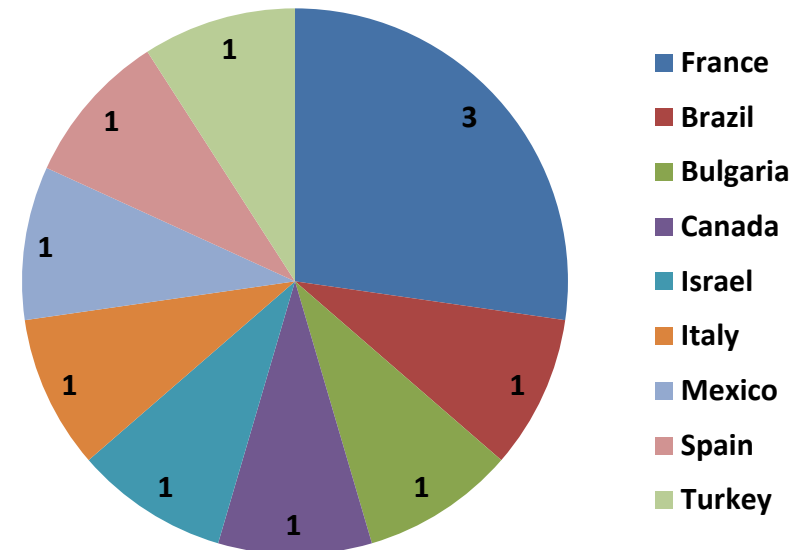
FRENCH AND BULGARIAN SURVEYS (12 AND 6 RESPONSES)

If the ongoing cooperation involves new partners, list with which countries

French Survey



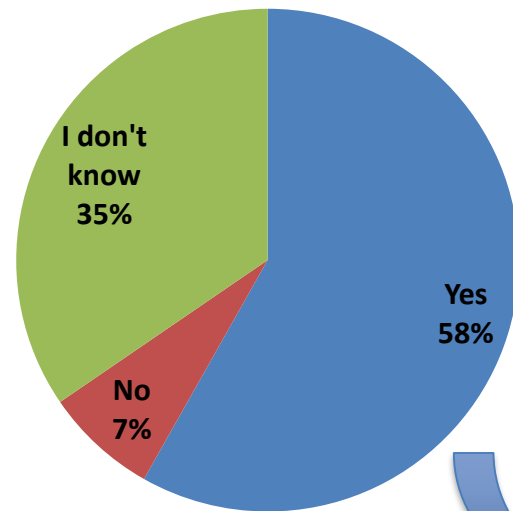
Bulgarian Survey



IMPACT ON YOUNG RESEARCHERS' CAREER (2005-2021) (1/2)

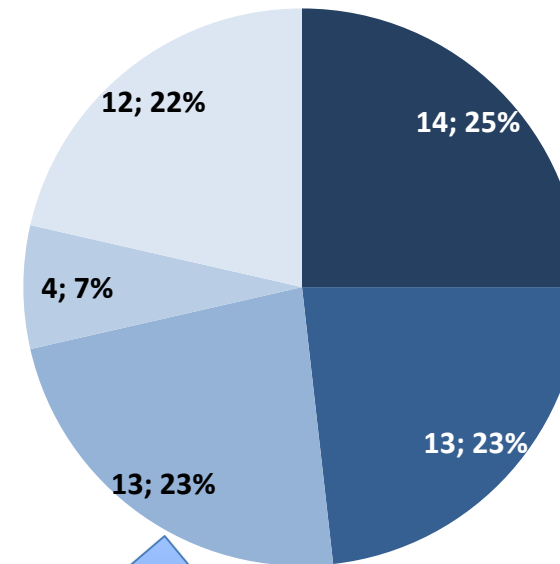
FRENCH SURVEY

Was young researchers' career impacted by the RILA program ?



Data from 55 responses

Type of impacts



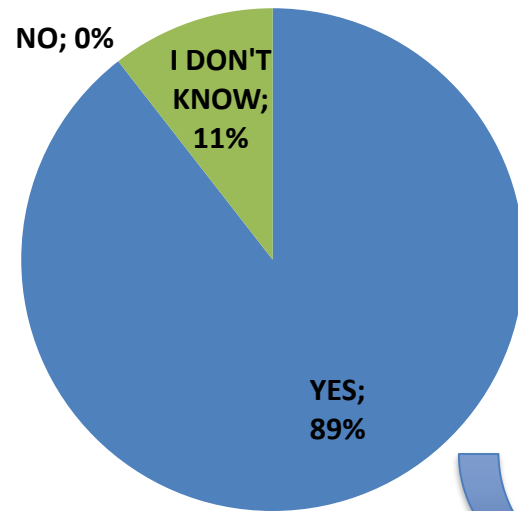
Data from 37 responses
for a total of 56 young researchers

- Postdoc/Teacher/Researcher (temporary position)
- Researcher in a public research institution (permanent position)
- Employed in a private company in link with the field of Higher Education - Research
- Teacher/Researcher (permanent position)
- Other

IMPACT ON YOUNG RESEARCHERS' CAREER (2005-2021) (1/2)

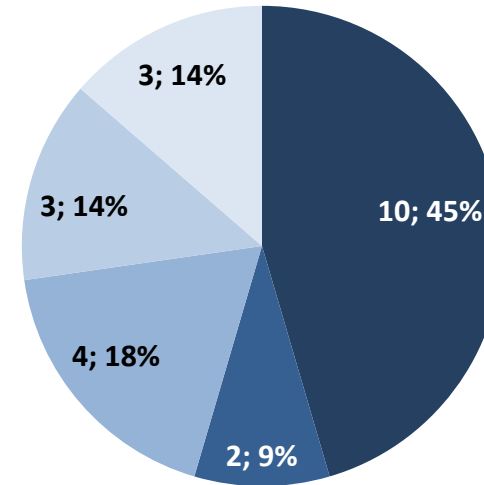
BULGARIAN SURVEY

Was young researchers' career impacted by the RILA program ?



Data from 19 responses

Type of impacts

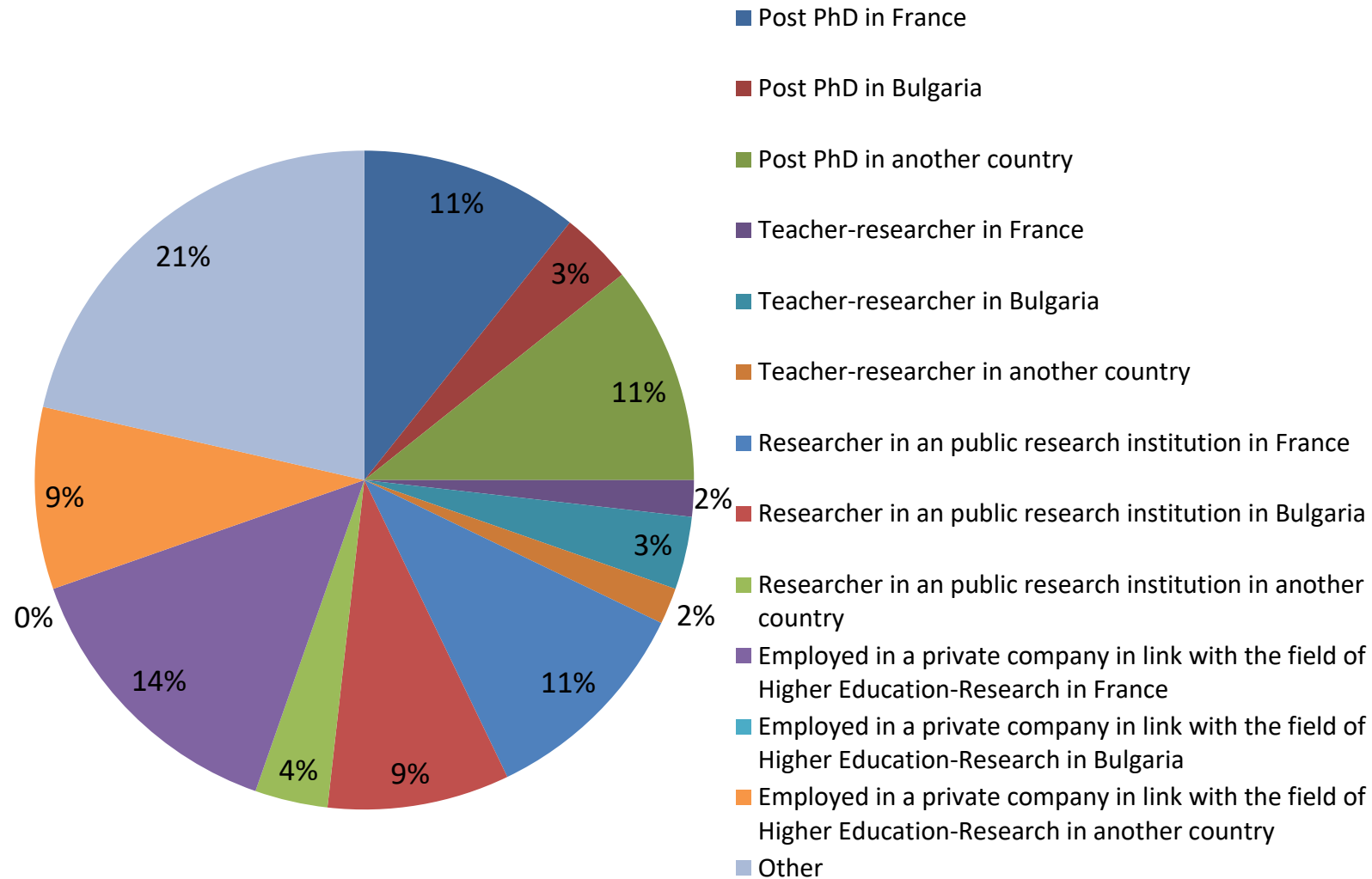


Data from 16 responses
for a total of 22 young researchers

- Postdoc/Teacher/Researcher (temporary position)
- Teacher/Researcher (permanent position)
- Researcher in a public research institution (permanent position)
- Employed in a private company in link with the field of Higher Education - Research
- Other

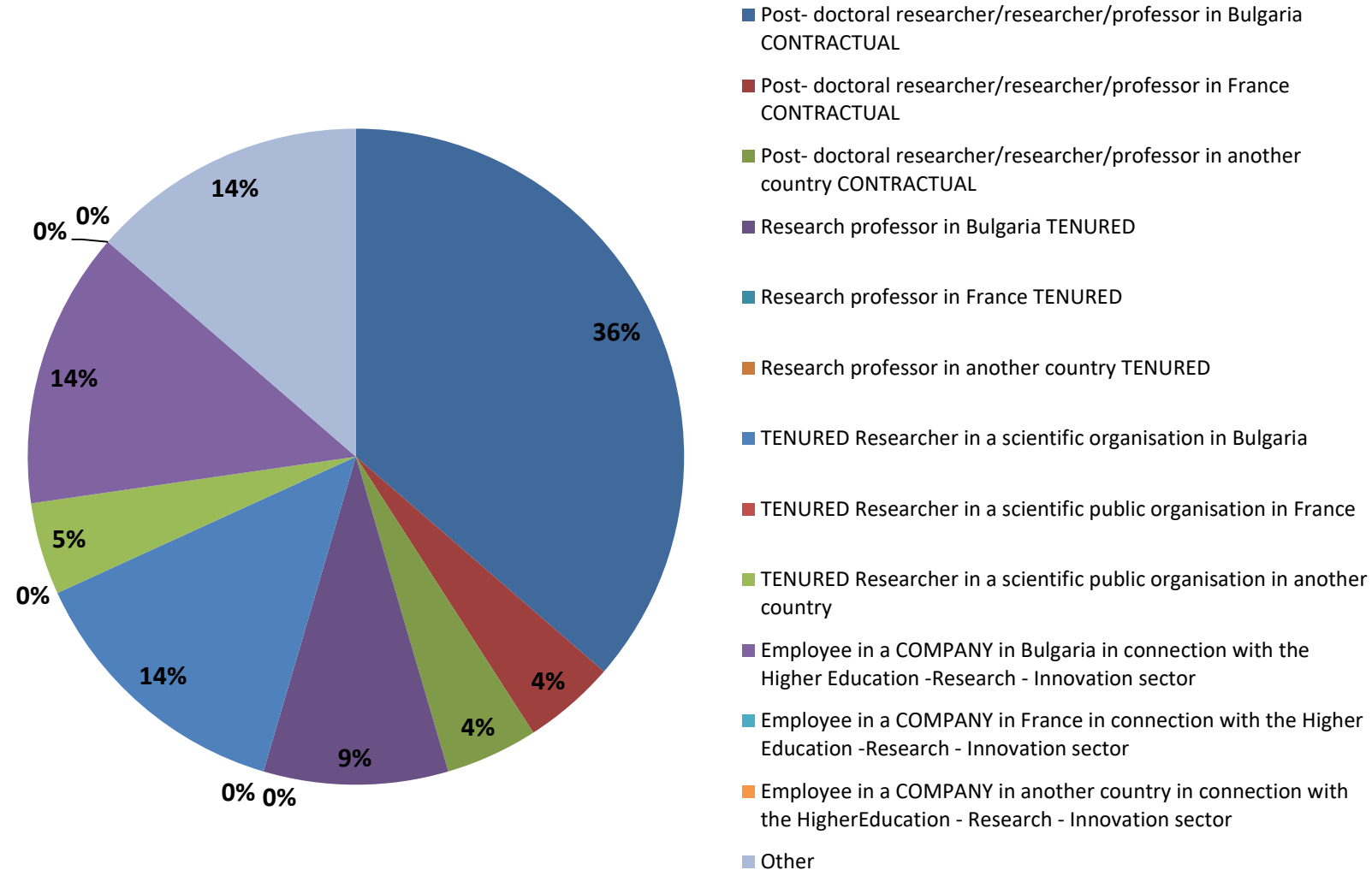
IMPACT ON YOUNG RESEARCHERS' CAREER (2005-2021) (2/2)

FRENCH SURVEY



IMPACT ON YOUNG RESEARCHERS' CAREER (2005-2021) (2/2)

BULGARIAN SURVEY

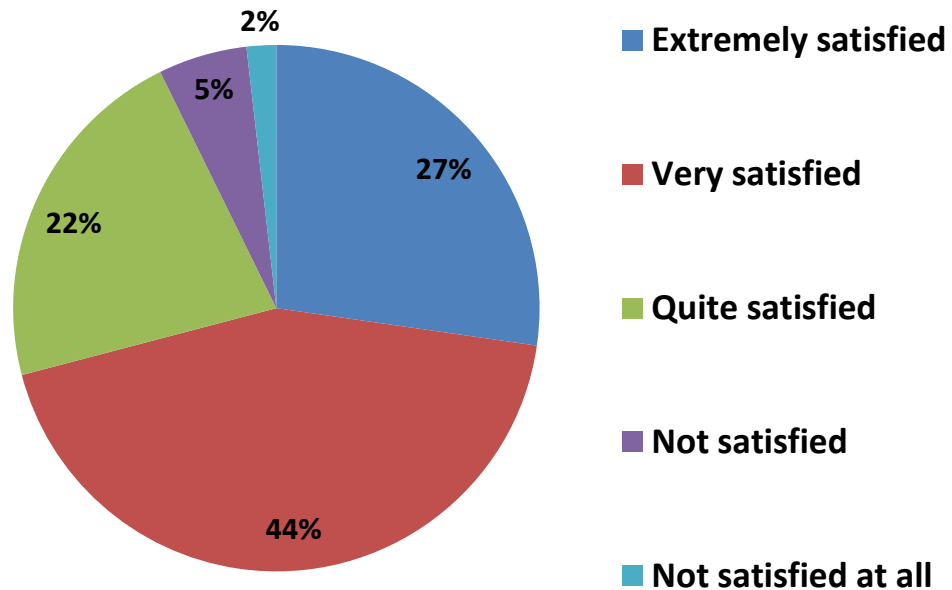


GENERAL OPINION OF PIS ON THE PROGRAM 2005-2021

Respectively **93%** and **85%** of principal investigators are satisfied

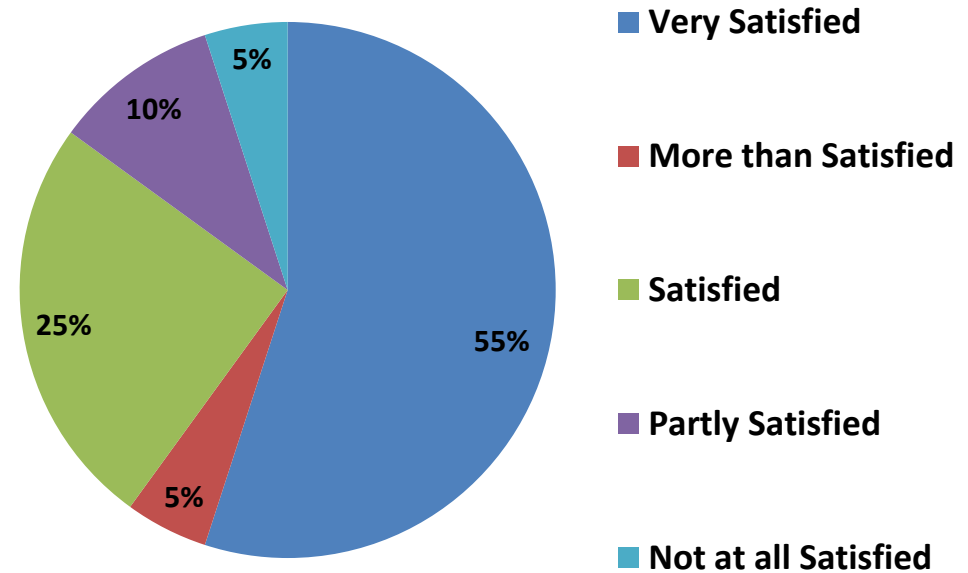


French Survey



Data from 55 responses

Bulgarian Survey

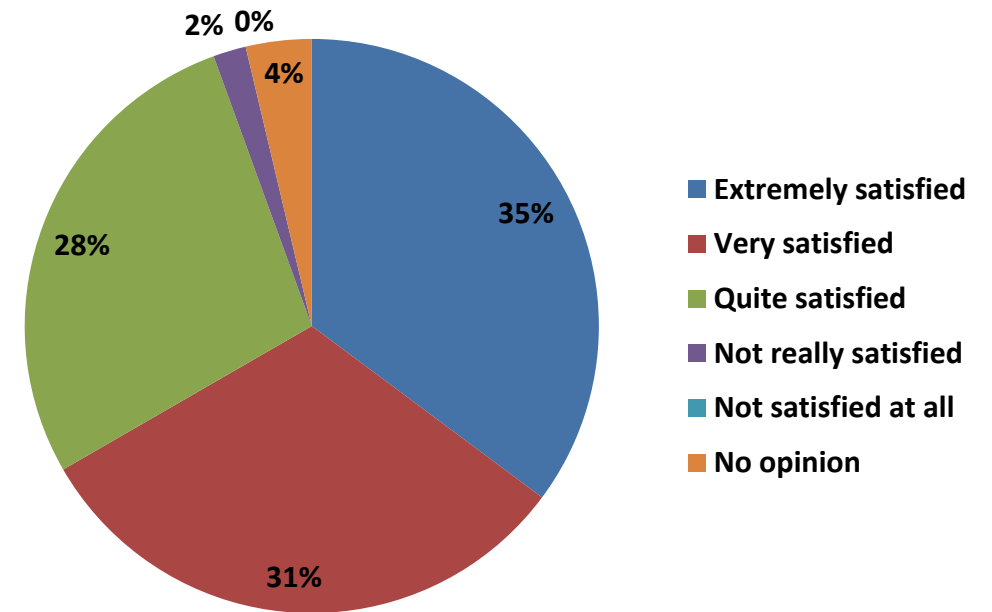
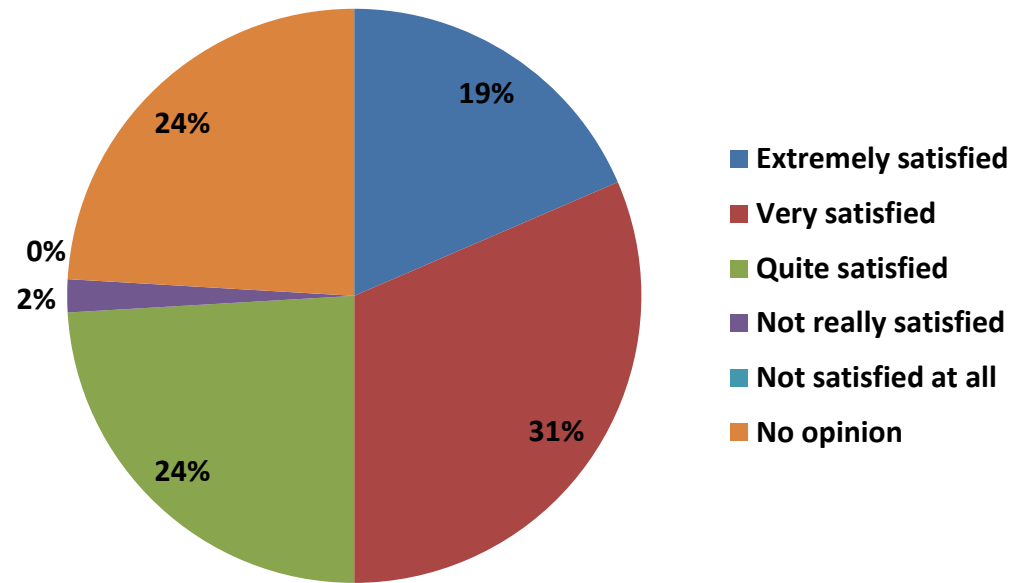


Data from 20 responses

OPINION OF FRENCH PIS 2005-2021

FRENCH EMBASSY HELP

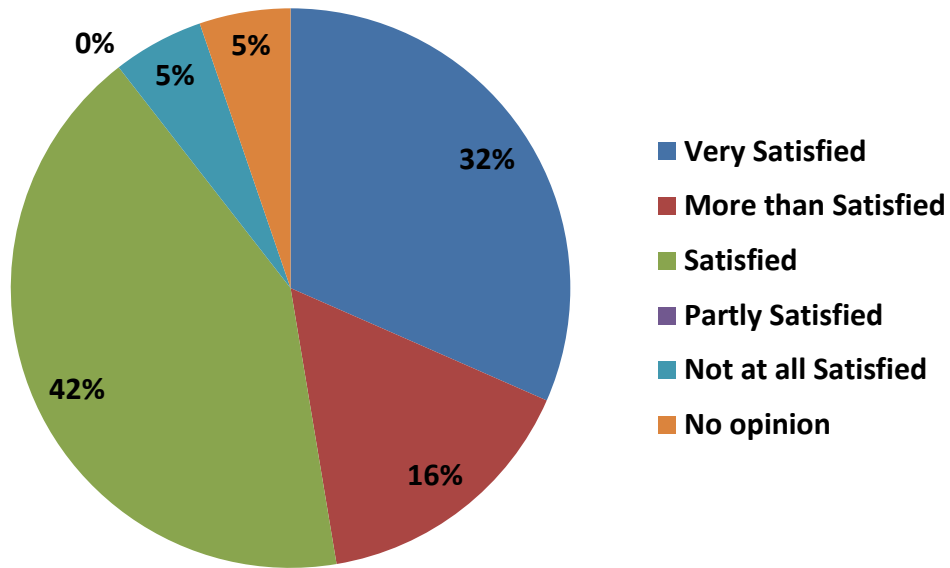
CAMPUS FRANCE MANAGEMENT



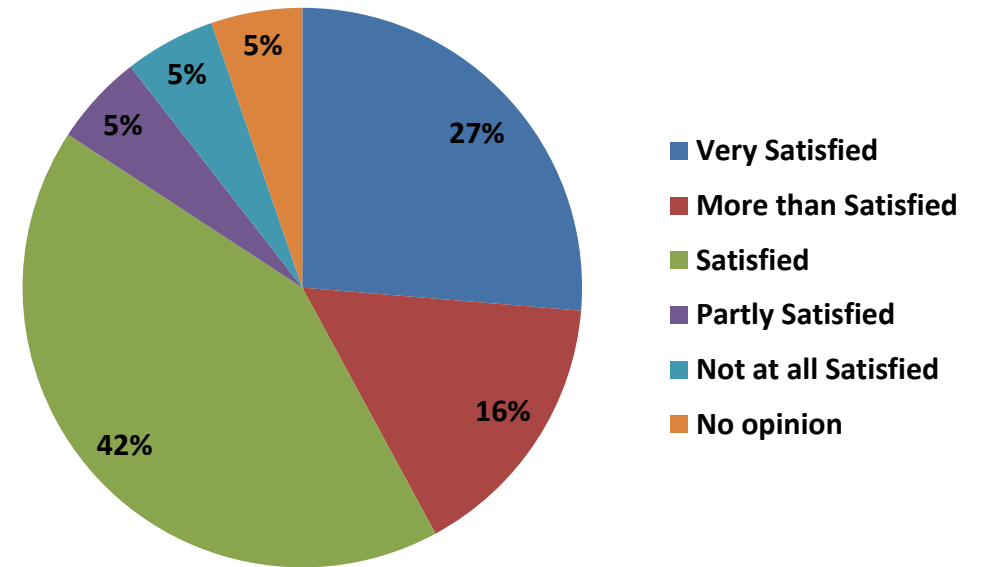
Data from 54 responses

OPINION OF BULGARIAN PIS 2005-2021

BULGARIAN NATIONAL SCIENCE FUND



BULGARIAN NATIONAL SCIENCE FUND MANAGEMENT



Data from 19 responses

GENERAL OPINION OF PIS ON THE PROGRAM 2005-2021

POSITIVE COMMENTS



Strengths of this program	FR Number of occurrences (out of 329)	FR % of funded projects	BU Number of occurrences (out of 86)	BU % of funded projects
Promotes the mobility of researchers	48	87%	15	75%
Fosters an international scientific collaboration	43	78%	10	50%
Promotes exchanges that result in scientific publications	33	60%	10	50%
Simplicity of the project submission process	30	55%	9	45%
Promotes the training of young researchers	28	51%	10	50%
Fosters the knowledge of the partnership's country	28	51%	5	25%
Financial autonomy vis-à-vis your institution	19	35%	1	5%
Easy implementation (administrative flexibility)	17	31%	6	30%
Sufficient financial means to cover mobility expenses	16	29%	3	15%
High scientific value increase regarding the funding investment	14	25%	4	20%
It's the first step to receive funding before transition to other scientific program funding	14	25%	5	20%
Duration of mobility adapted to needs	12	22%	1	5%
Sufficiently long project duration	9	16%	3	15%
Flexibility of the program for actions co-financed with the partner	7	13%	2	10%
Implementation schedule	7	13%	0	0%
Project selection transparency	4	7%	2	10%
Other	0	0%	0	0%
<i>Total number of occurrences</i>	329		86	

GENERAL OPINION OF PIS ON THE PROGRAM 2005-2021

NEGATIVE COMMENTS



Weaknesses of this program	FR Number of occurrences (out of 172)	FR % of funded projects	BU Number of occurrences (out of 68)	BU % of funded projects
No funding for equipment and operating expenses	29	53%	18	90%
Duration of projects too short	24	44%	6	30%
Lack of transparency in selection process	21	38%	2	10%
Insufficient communication on evaluation results	17	31%	2	10%
Difficulty sustaining the collaboration	13	24%	1	5%
Duration of mobilities too short	13	24%	11	55%
Insufficient financial means for mobility expenses (flights)	11	20%	5	25%
Cumbersome submission process	9	16%	6	30%
Administrative heaviness of the missions management	9	16%	4	20%
Number of mobilities too low	7	13%	5	25%
Implementation schedule	6	11%	1	5%
Insufficient financial means for mobility expenses (per diem)	5	9%	5	25%
Flexibility of the program for actions co-financed with the partner	2	4%	1	5%
Duration of mobilities too long	1	2%	0	0%
Financial autonomy vis-à-vis your institution	0	0%	0	0%
Other	5	9%	1	5%
<i>Total number of occurrences</i>	172		68	

PRELIMINARY CONCLUSIONS (FRENCH SURVEY)

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



- Implication of women candidates and laureates better than the general mean
 - 85% of funded projects with the participation of at least one young french researcher
 - Average annual scientific coproductions similar to the other programs (0,9 vs 0,96)
 - Continuation of the cooperation with or without funding in the mean of the other programs
-



- A certain decrease in the number of applications for the most recent years
- Few number of real new cooperations
- 88% of the cooperations with the same previous bulgarian partner
- A low percentage of young applicants
- Implication of french young researchers in the scientific coproductions below the general mean
- Rather low implication of french young researchers in the outgoing mobilities
- Ongoing cooperation involves new partners only in 35% of the projects

PRELIMINARY CONCLUSIONS (BULGARIAN SURVEY)

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

- **Implication of women candidates and laureates (65% of the respondents)**
- **85% of funded projects with the participation of at least one bulgarian young researcher**
- **Average annual scientific coproductions (1,1 per project)**
- **Continuation of the cooperation with or without funding (90% of the projects)**



-
- **A certain decrease in the number of applications for the most recent years**
 - **Few number of real new cooperations**
 - **93% of the cooperations with the same previous french partner**
 - **A low percentage of young applicants**
 - **Insufficient implication of bulgarian young researchers in the scientific coproductions**
 - **Rather low implication of bulgarian young researchers in the the mobilities to France**
 - **Ongoing cooperation involves new partners only in 33% of the projects**



PRELIMINARY RECOMMANDATIONS (FRENCH SURVEY)

- Encourage new cooperations (only 35% of new cooperations)
- Encourage young researchers applications (only 17% of laureates under 40 years old)
- Encourage women researchers applications (only 26%)
- Enhance scientific coproductions (24% of projects with no scientific coproduction, 0.9 coproduction in average per project and per year)
- Promote outgoing mobilities of french young researchers (only 21%)
- applications from outside Ile-de-France

PRELIMINARY RECOMMENDATIONS (BULGARIAN SURVEY)

- **Encourage new cooperations (only 25% of new cooperations)**
- **Encourage young researchers applications (only 10% of laureates under 40 years old)**
- **Enhance scientific coproductions (45% of projects with no scientific coproduction, 1.1 coproduction in average per project and per year)**
- **Promote outgoing mobilities of french young researchers (only 27%)**



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 and attendants to this symposium.

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