

# FRANCE – HUNGARY PHC BALATON 25 YEARS ANNIVERSARY

## Scientific impact of the program (2005-2017)

### MESRI-DAEI / MEAE

### 2018

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

# DATA SOURCES

## Campus France

- Informations about applications to the PHC Balaton program
- List of mobilities (France to Hungary)

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

- Target : Principal Investigators of selected projects between 2005 and 2016
- Survey **duration** : **6 weeks between June and July 2018**
- **36%** response ratio *(77 respondents for 216 funded projects)*

# GENERAL PRESENTATION OF THE PROGRAMME

**Creation : 1993**

**Total budget (France + Hungary) : around 100 000 € / year**

>> including budget from France : 50 000 € / year \*

>> including budget from Hungary : same € / year

**Number of new projects per year : around 11 since 2013,  
around 21 between 2005 and 2012**

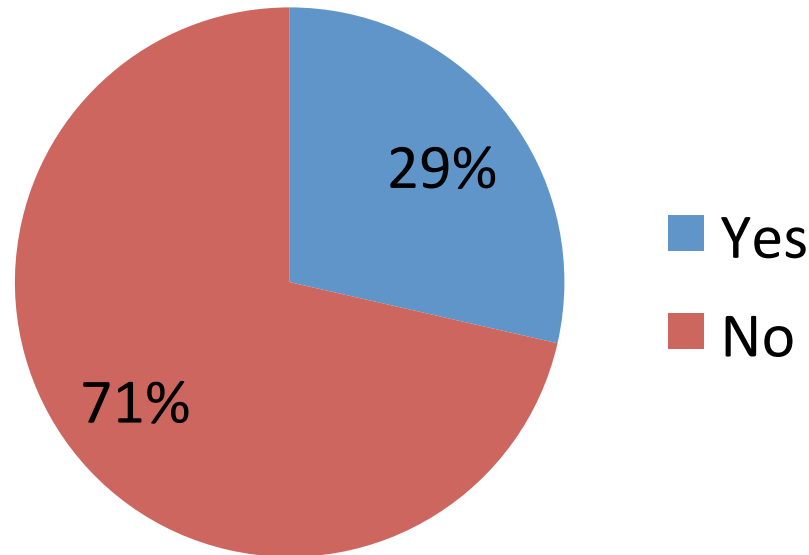
**From 2005-2016 :**

**474** applications submitted

**216** projects funded

# Before PHC BALATON project

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

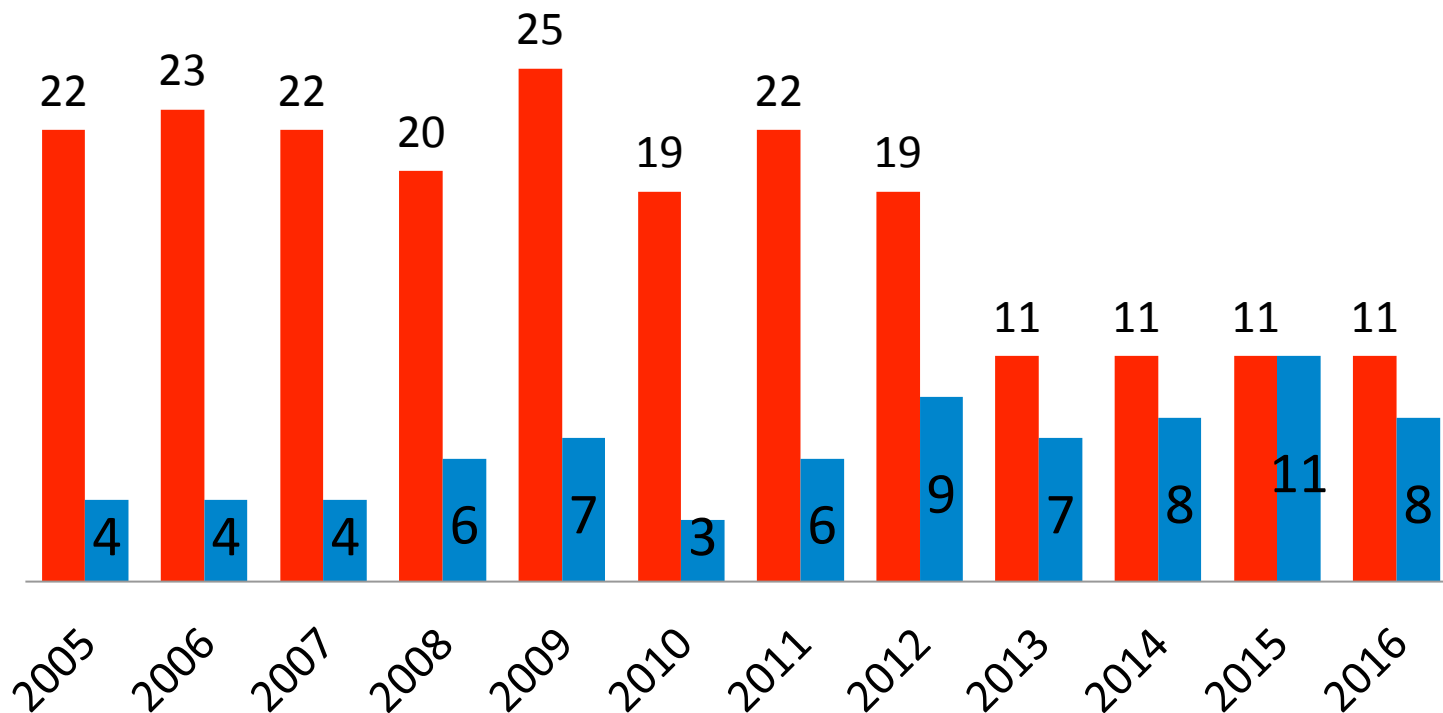


Survey data

# ANSWERS TO THE SURVEY

Average response rate to the survey : **36 % (77 answers)**

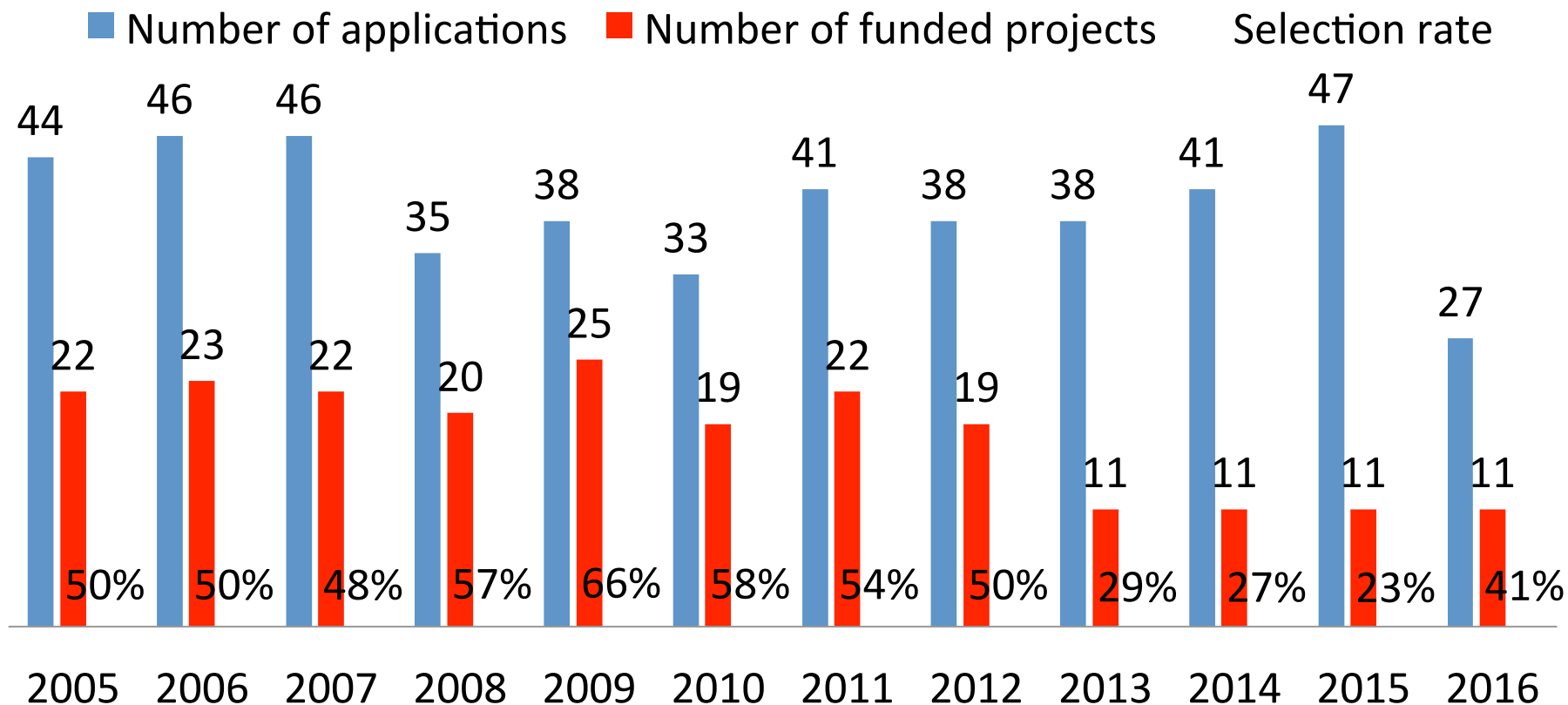
- Number of funded projects
- Number of survey answers



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# SUCCESS RATE

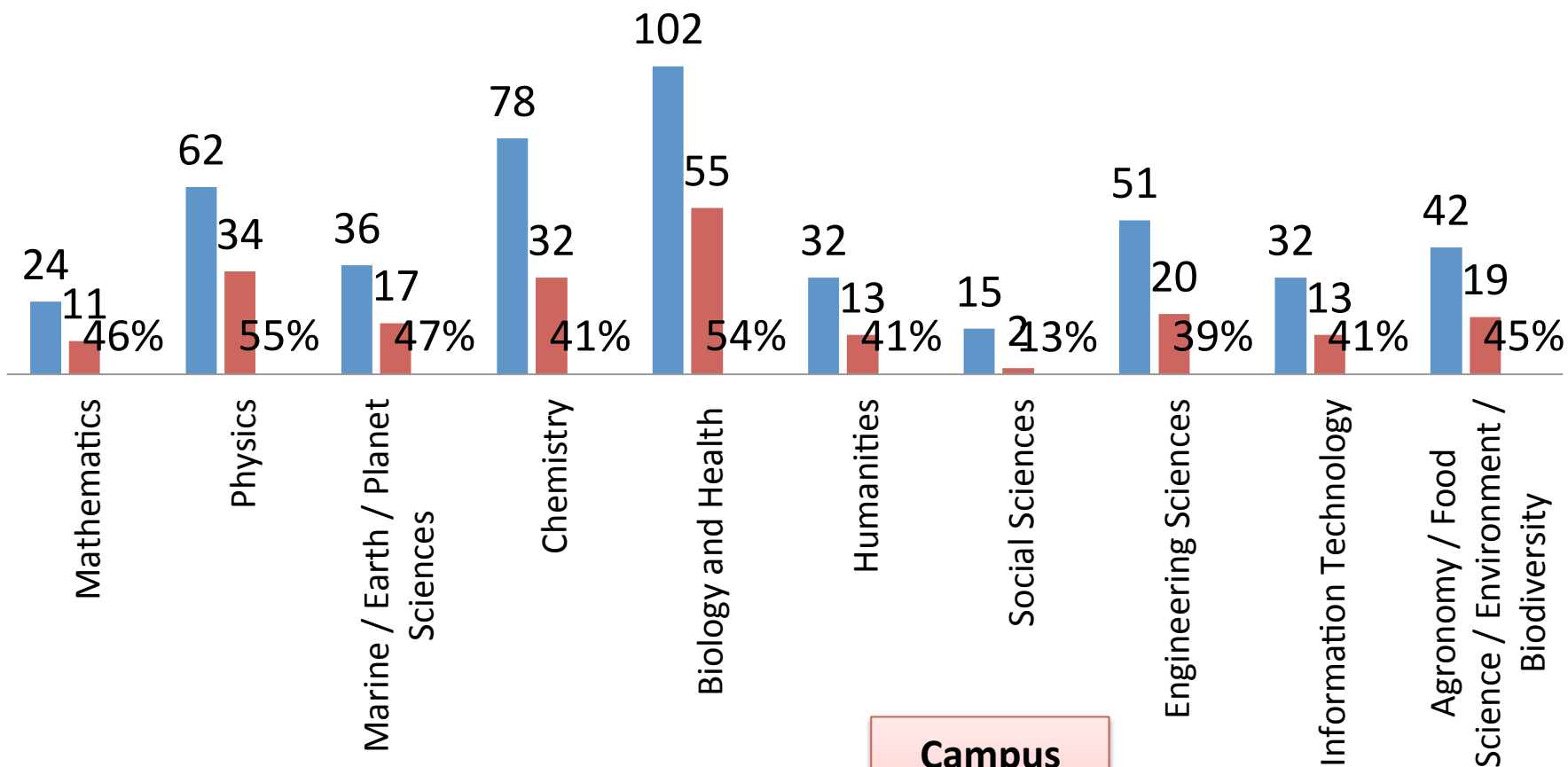
Average selection rate from 2005-2016: **46 %**



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# SCIENTIFIC DOMAINS

■ Number of applications ■ Number of funded projects Selection rate

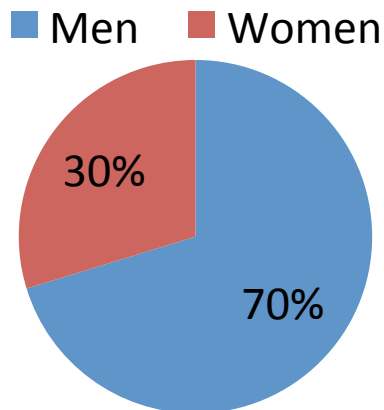


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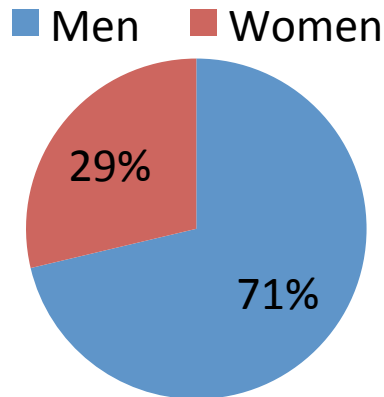


# FRENCH PIS (PRINCIPAL INVESTIGATORS) : GENDER

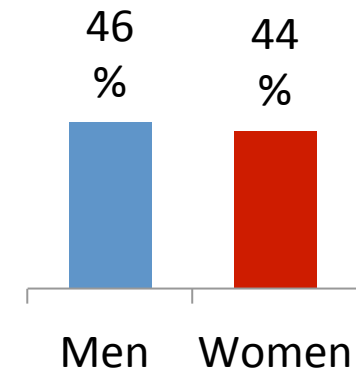
% of applications



% of funded projects



Selection rate

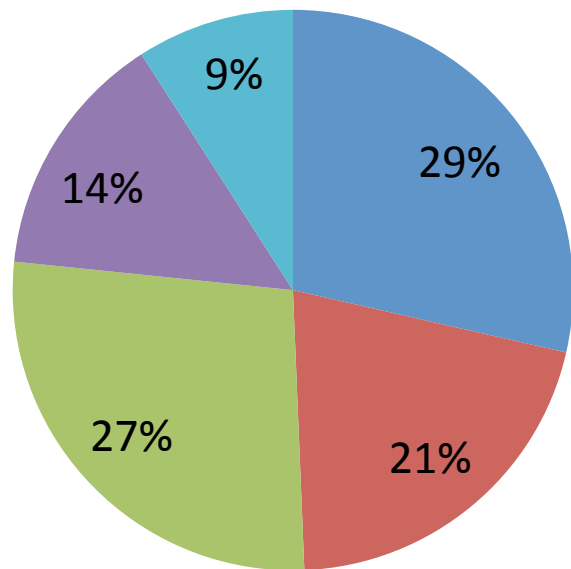


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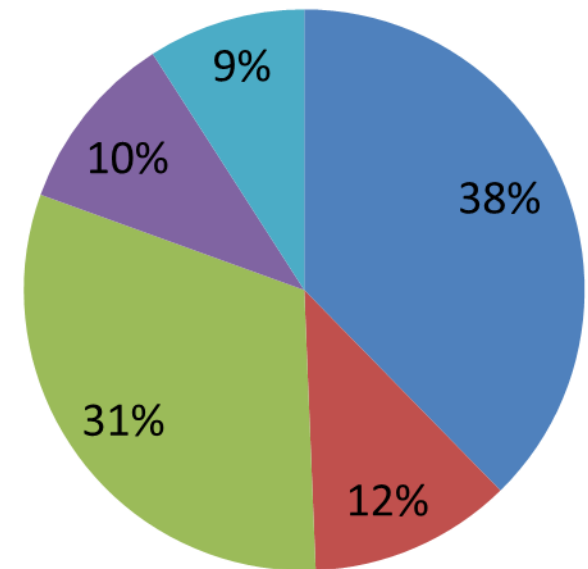
# FRENCH PIS (PRINCIPAL INVESTIGATORS) : STATUS

Previous professional status  
(at the beginning of the project)



Present professional status

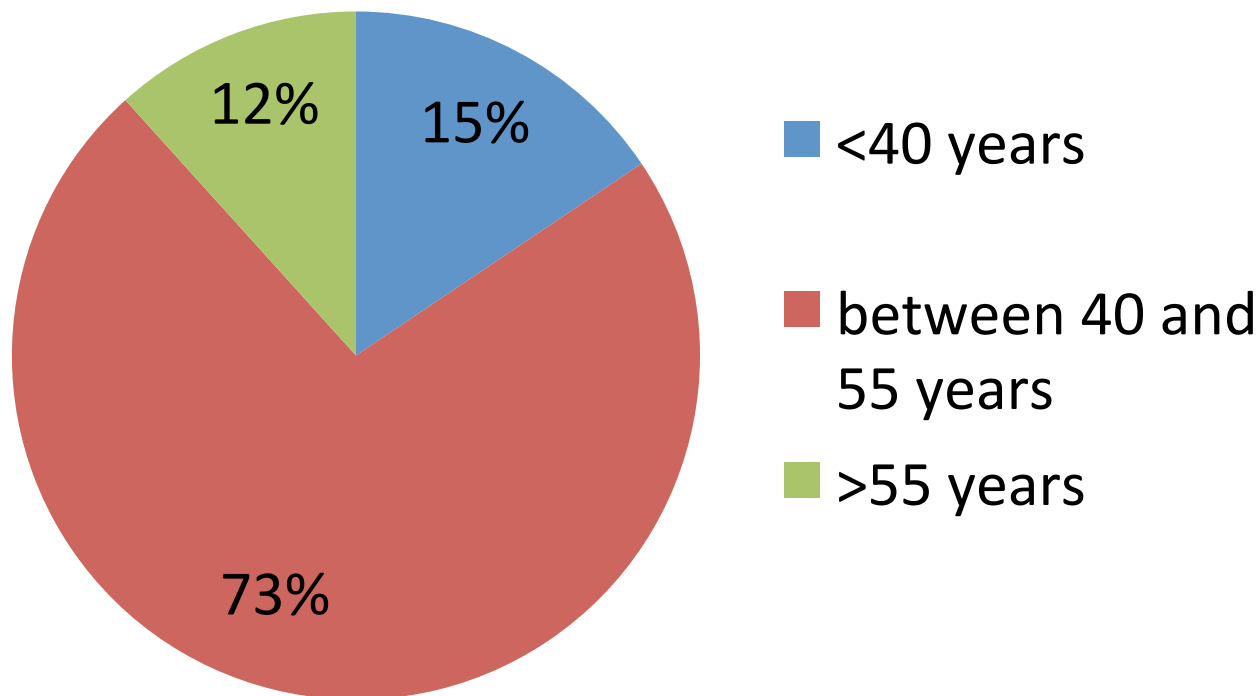
- Full professor
- Assistant professor
- Senior researcher
- Junior researcher
- Other



Survey data

# FRENCH PIS (PRINCIPAL INVESTIGATORS) : AGE

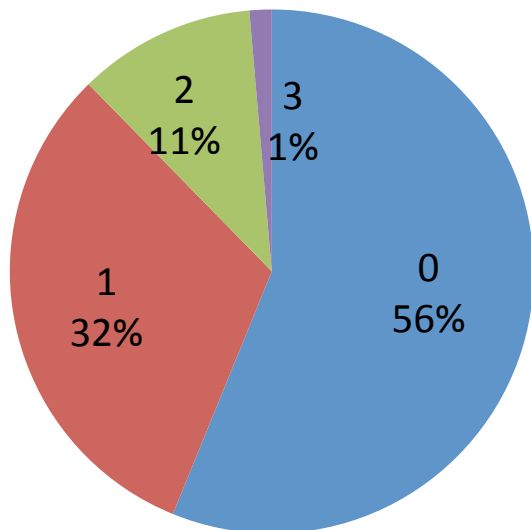
**15 %** of French PIs are young researchers



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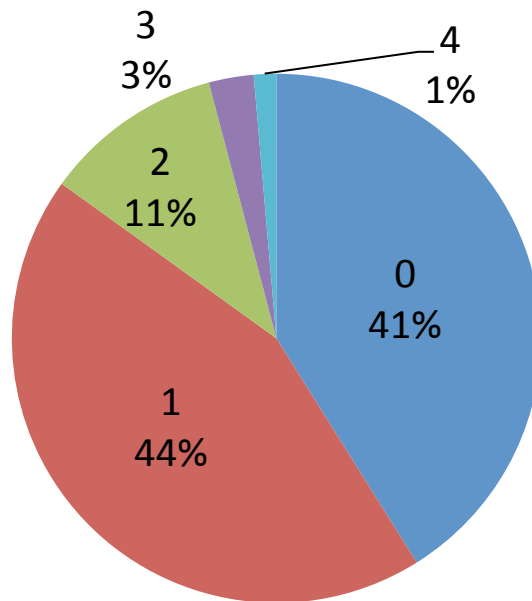
# PARTICIPATION OF YOUNG RESEARCHERS (1/2)

Number of Master degree students



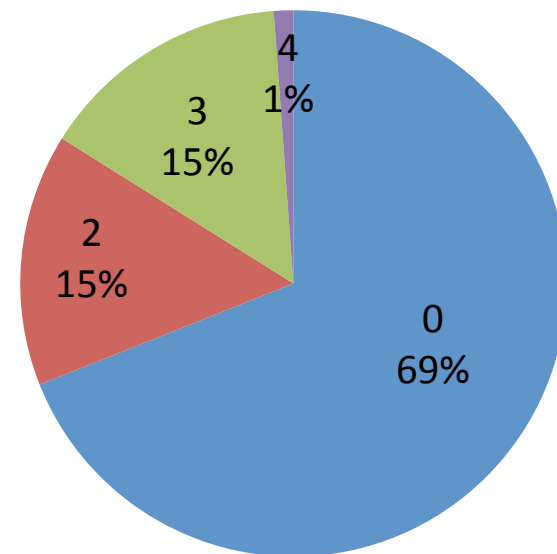
**44 %** of projects involve at least 1 Master degree student

Number of PhD students



**59 %** of projects involve at least one PhD student

Number of post-doctoral researchers

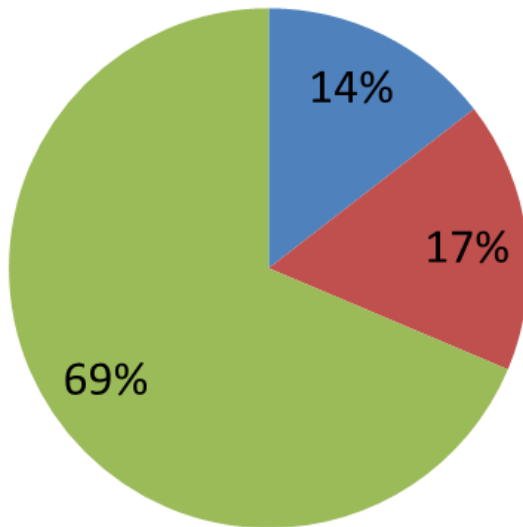


**31 %** of projects involves at least 1 post-doctoral researcher

# Mobility

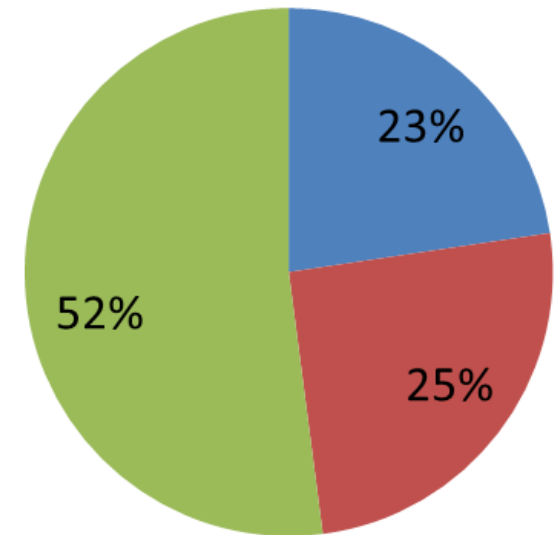
# MOBILITY : STATUS

## France → Hungary



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

## Hungary → France

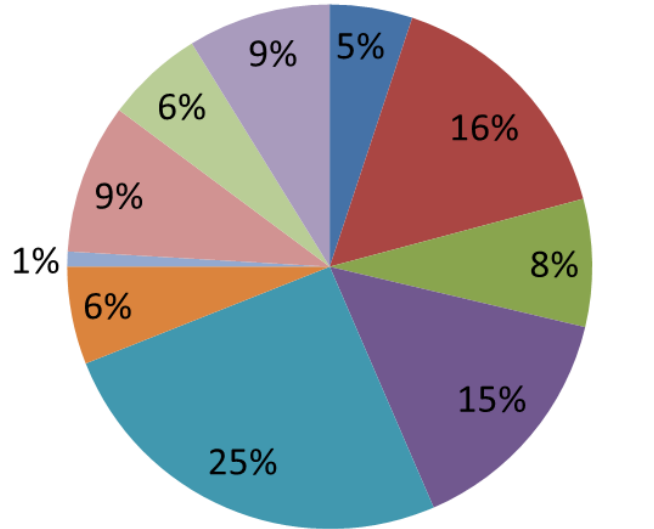


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# Scientific production

# SCIENTIFIC OUTPUT (1/2)

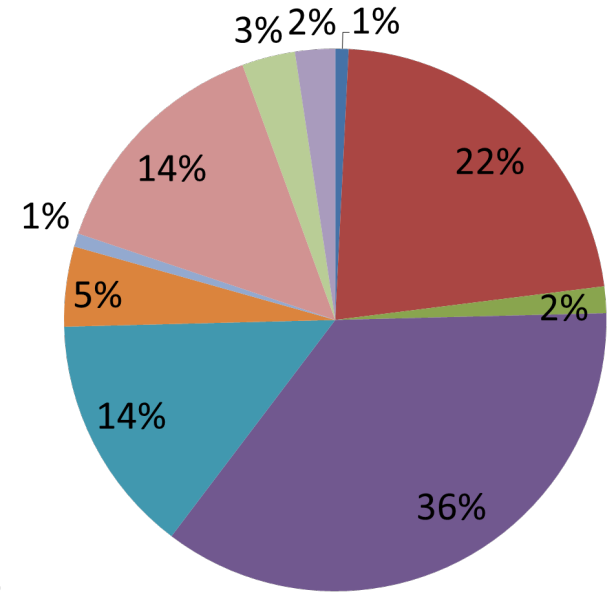
Number of funded projects : **216**



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

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Percentages of co-publications



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

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# SCIENTIFIC OUTPUT (2/2)

**52%** of funded projects led to one co-publication at least  
**25%** of copublications include at least 1 PHD or PostDoc

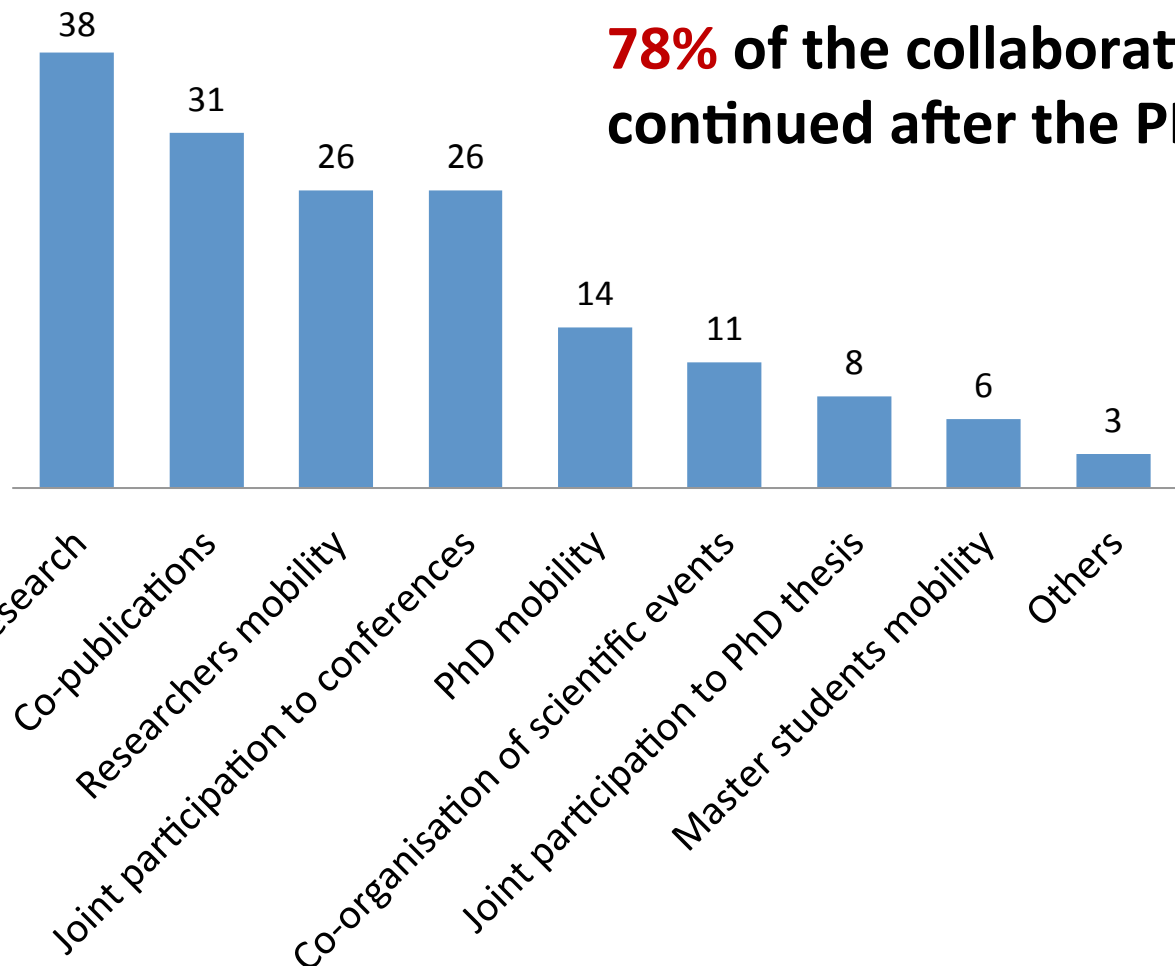
	Number of funded projects by thematic area	Ratio of funded projects by thematic area	Number of co-publications	Ratio of co-publications by thematic area	Ratio of funded projects by thematic area that led to one co-publication at least	Mean number of co-publications per project
Mathematics	3	4%	1	1%	33%	0,3
Physics	10	14%	28	22%	80%	2,8
Marine / Earth / Planet Sciences	3	4%	2	2%	33%	0,7
Chemistry	14	20%	45	36%	64%	3,2
Biology and Health	15	22%	18	14%	53%	1,2
Humanities	5	7%	6	5%	20%	1,2
Social Sciences	3	4%	1	1%	33%	0,3
Engineering Sciences	5	7%	18	14%	60%	3,6
Information Technology	4	6%	4	3%	25%	1,0
Agronomy / Food Science / Environment / Biodiversity	7	10%	3	2%	43%	0,4
<b>TOTAL</b>	<b>69</b>	<b>100%</b>	<b>126</b>	<b>100%</b>	<b>52%</b>	<b>1,8</b>

Survey data



# What happens after a PHC Balaton project ?

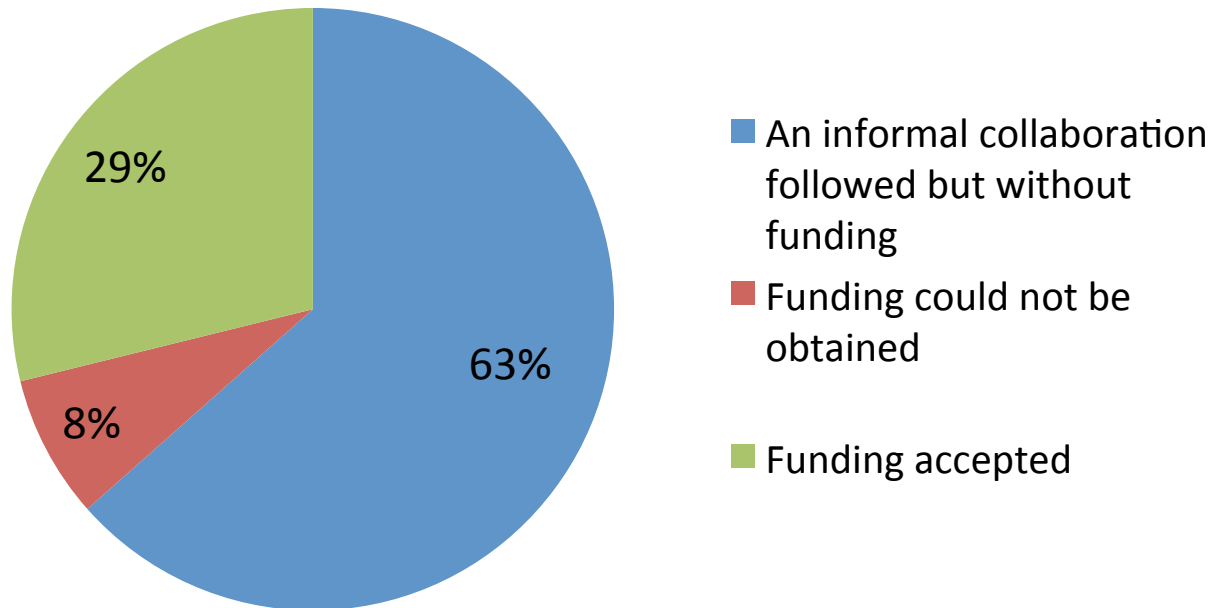
# CONTINUATION OF THE COLLABORATION (1/4)



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# CONTINUATION OF THE COLLABORATION (2/4)

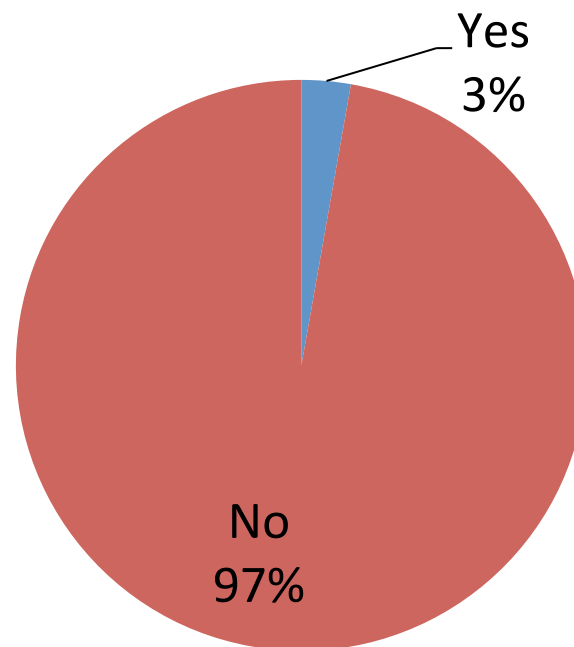
**29%** of funded collaborations after the PHC



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# CONTINUATION OF THE COLLABORATION (3/4)

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

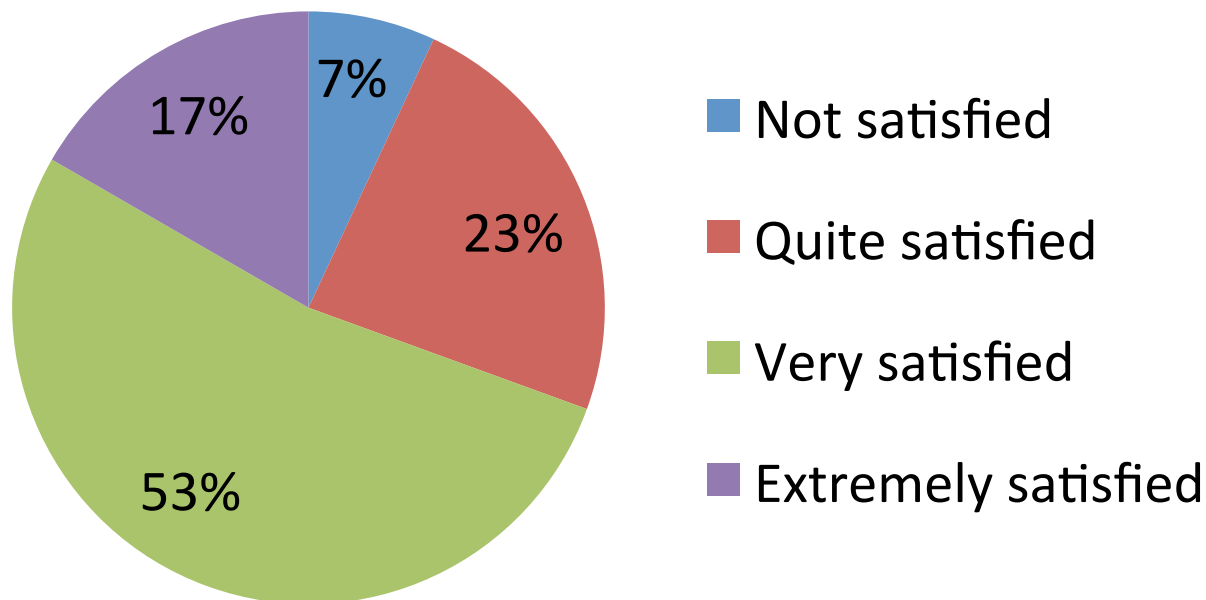


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**1 CNRS / LIA (international associated laboratory)  
1 CNRS / International research network (IRN ex GDRI)**

# GENERAL OPINION OF FRENCH PIS ON THE PROGRAMME

**93%** of french principal investigators are satisfied



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# PRELIMINARY CONCLUSIONS /

**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”. Involvement of young researchers and co-publication rate could be improved.**

# PRELIMINARY RECOMMENDATIONS

## RECOMMENDATIONS

- Promote scientific co-publications (48% of projects with no co-publications)
- Promote young French PIs (15 % of young researchers)
- Promote PHD students involvement (59 %)
- Promote project selection in Social Science domain (13% Success rate)
- Promote the establishment of joint structures
- Reflexion on new schemes for sustaining the collaboration could be carried out.

**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.**

## **Contacts**

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