



Research Foundation - Flanders







Tinne Jacobs

Advisor International Affairs FWO

- Belgian Science/Innovation Policy
- Flemish Science Landscape
- FWO, Opening Horizons
- What can FWO offer you and your partners abroad?

- **Belgian Science/Innovation Policy**
- Flemish Science Landscape
- FWO, Opening Horizons
- What can FWO offer you and your partners abroad?

The Belgian R&I landscape is a complicated landscape

COMMUNITY LEVEL <i>Basic Research</i>	German Speaking Community	French Speaking Community 	Flemish Community 
REGIONAL LEVEL <i>Applied Research</i>	Wallonia  Service public de Wallonie	Brussels  EMPOWERING RESEARCH	Flanders FLANDERS INNOVATION & ENTREPRENEURSHIP  Flanders State of the Art
FEDERAL LEVEL <i>Basic & Applied Research - FSIs</i>			

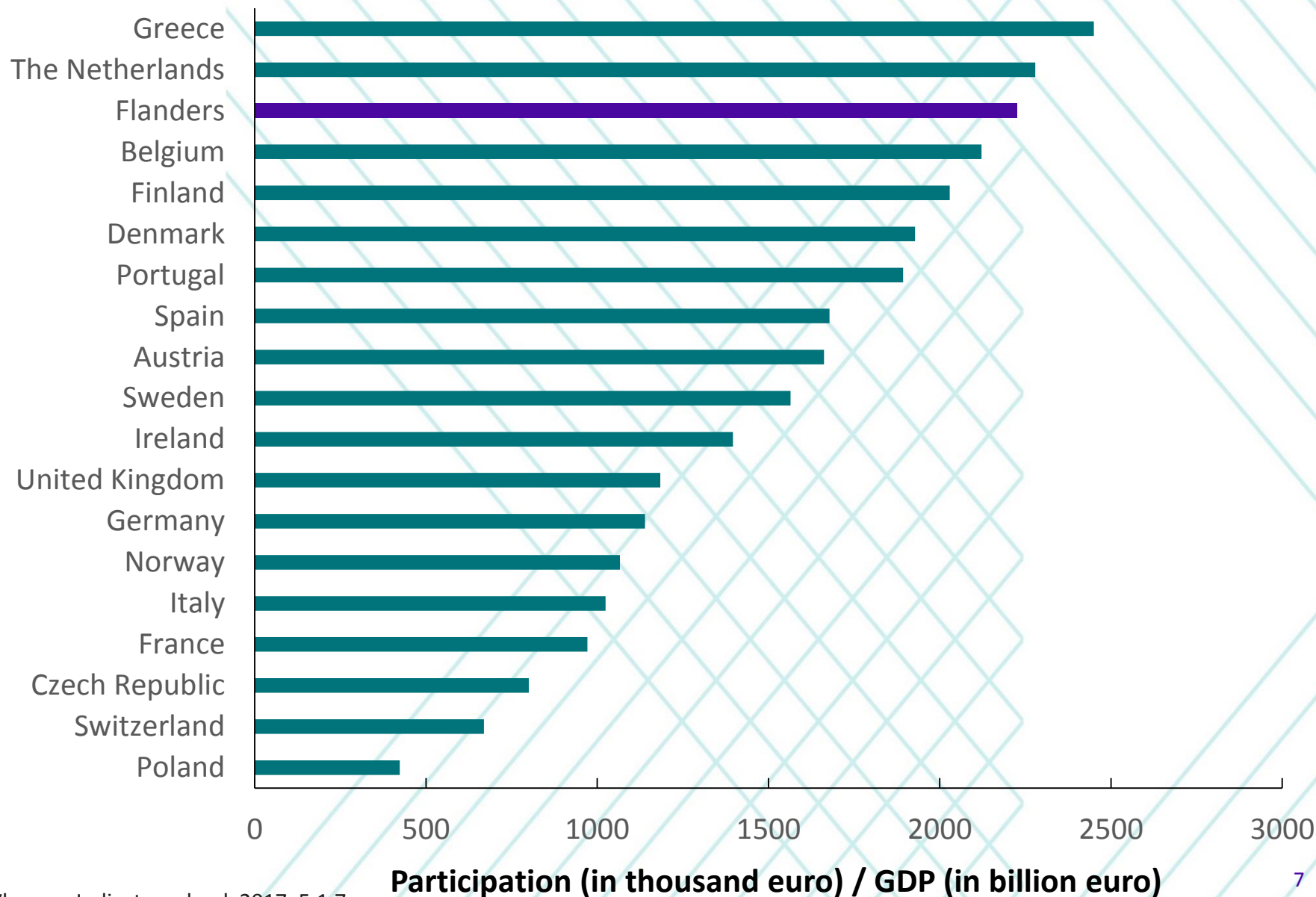
- Belgian Science/Innovation Policy
- **Flemish Science Landscape**
- FWO, Opening Horizons
- What can FWO offer you and your partners abroad?

Main funding streams Flanders SINCE 01.01.2016:

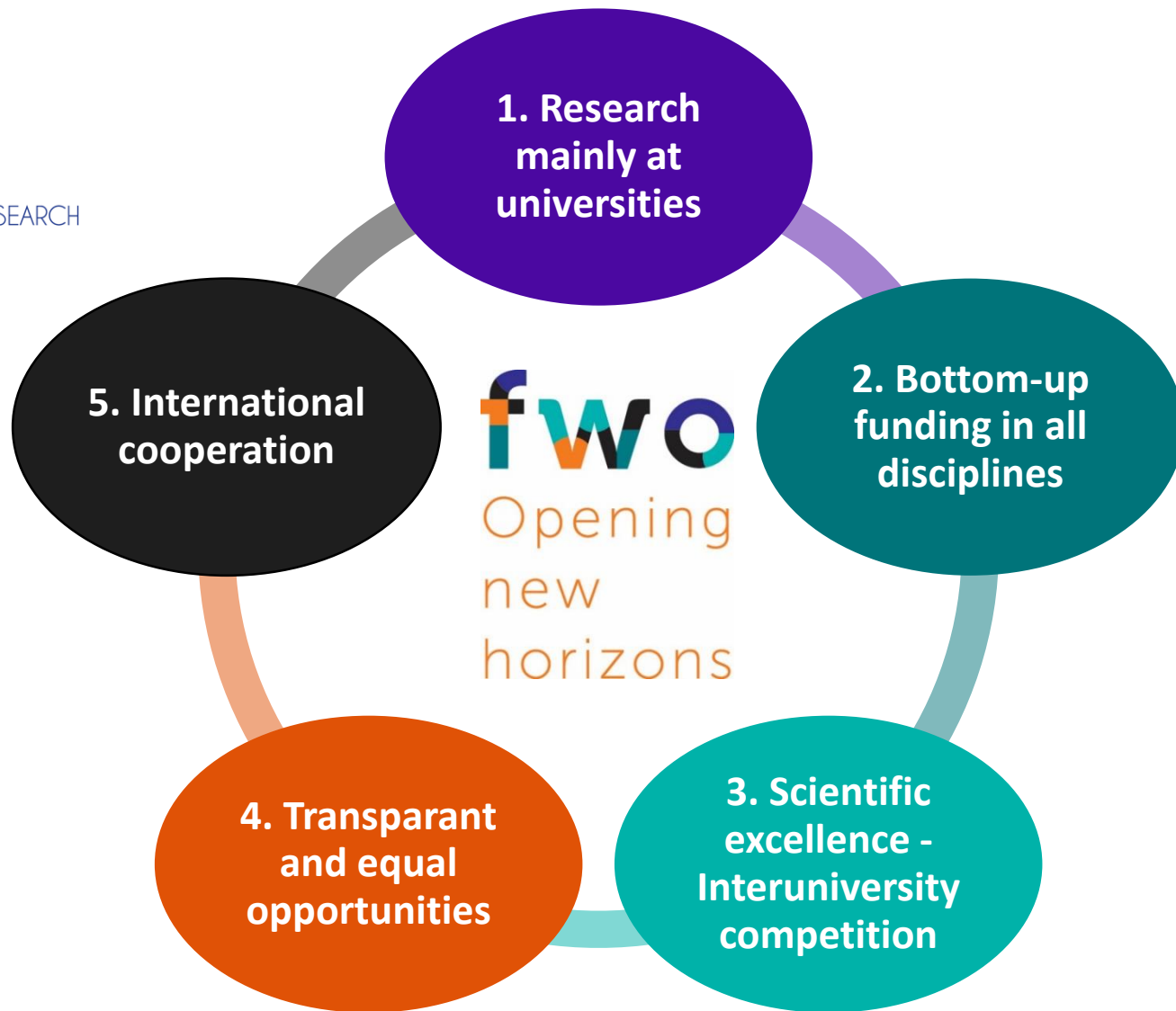
- **Research Foundation – Flanders (FWO):**
 - **Basic, non-oriented** research (mainly at universities)
 - **Strategic basic** research (former SB/SBO/TBM IWT programmes)
 - Research **infrastructure** (before: Hercules)
- Flanders Innovation & Entrepreneurship (VLAIO):
 - **Applied** and **industrial** research
 - Larger part budget allocated to **industrial R&D projects**
 - **Doctoral** and **postdoctoral** fellowships
 - Management of programmes on behalf of Flemish Government e.g. Agricultural Research (LA) and Technology Transfer Fund (TETRA)
- BOF/IOF: Basic funding for fundamental and industrial research



Flemish Participation in H2020



- Belgian Science/Innovation Policy
- Flemish Science Landscape
- **FWO, Opening Horizons**
- What can FWO offer you and your partners abroad?

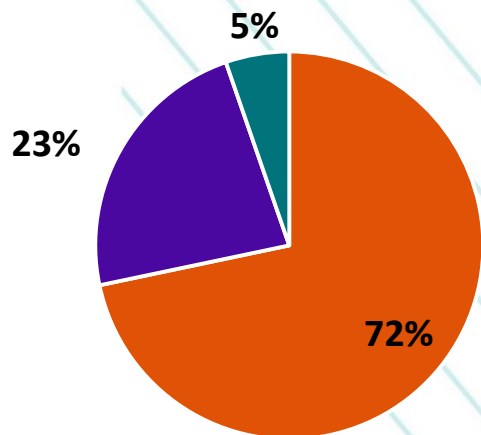


Research Foundation – Flanders (FWO)

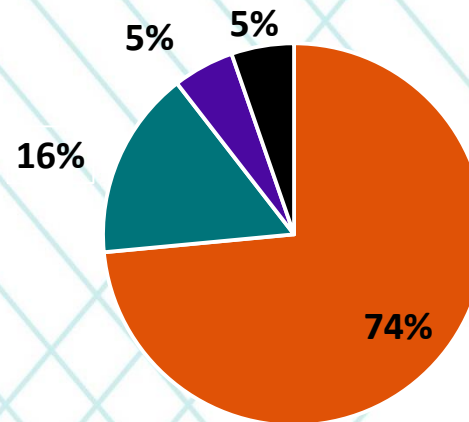
www.fwo.be

Key Facts on FWO (2017)

Budget: **350 million EUR (incl. EOS)**



■ Research projects ■ Fellowships
■ Infrastructure



■ Fundamental Research ■ Strategic Basic Research
■ Clinical Research ■ Infrastructure



854 Predocs (basic)
 400 Predocs (strategic basic)
 791 Postdocs
 1220 Projects



82% Predocs 18%
 62% Postdocs 38%



51% Predocs 49%
 42% Postdocs 58%



2017

21,3% Predocs (basic)
 29,3% Predocs (strategic basic)
 27,4% Postdocs
 20,5% Projects

FWO Funding Schemes

- Funding for **individual researchers**
 - Pre- and postdoctoral fellowships including SB, bench fees and research grants
- Funding for **research teams**
 - Research projects including SBO and TBM, Big Science, Bilateral agreements, EOS, ...
- **Infrastructure**
 - Large and medium scale research infrastructure, Flemish Supercomputer Centre, ESFRI
- Supporting **mobility, international contacts and collaborations**
 - Travel grants, sabbatical leaves, scientific research communities, organisation of conferences in Belgium, international coordination actions, collaboration agreements, ERA-Nets and JPI's, ...
- **Brain gain: Attracting excellent researchers**, active abroad, to Flanders
 - Odysseus, [PEGASUS]²
- Awarding **scientific prizes**

Continuous Optimization Procedures

- Equal opportunities/more homogeneous evaluation procedure:
 - Junior \leftrightarrow senior research projects
- Postdoctoral fellowships for junior and senior researchers
- 2-step evaluation for fellowships:
 1. Pre-selection phase
 2. Interview phase
- Focus on INTERNATIONAL peer-review
- Rebuttal phase (fundamental and strategic projects)



Evaluation Procedure

Who?

- 62 Expert Panels (domain-specific and interdisciplinary)
- International Collaboration Committee (CIWC)
- Panel for International Collaboration (CIS)



How?

- Excellence as main criterion
- International peer review
- Severe regulations to avoid Col
- Feedback procedure

- Belgian Science/Innovation Policy
- Flemish Science Landscape
- FWO, Opening Horizons
- **What can FWO offer you and your partners abroad?**

International Mobility Funding Opportunities

- Participation in international conferences
- Short and long stays abroad
- Organising international conferences
- Sabbatical leaves
- Scientific research networks
- Long list of exchange and cooperation agreements with different partner countries



<http://www.fwo.be/en/fellowships-funding/international-mobility/>

- **Attracting Top Scientists to Flanders - Universities suggest candidates**
- **Start-up funding to develop a research group or to set up a research line at a Flemish university**

Group I

- Internationally recognized leading researchers
- Budget: between € 400.000 and € 1.500.000 per year (max. 5 years)
- Permanent position at a university in the Flemish Community

Group II

- Researchers with the potential to grow to a leading position
- Budget: between € 100.000 and € 200.000 per year (max. 5 years)
- Postdoctoral fellowship at a university in the Flemish Community

calls
for

Research Foundation - Flanders

[PEGASUS]²

Marie Skłodowska-Curie fellows

more information: www.fwo.be

CALLS CLOSED

(deadlines: 01/02/2016 & 01/05/2016)

INCOMING

- = 3 years
- postdoctoral fellowship
- from abroad to Flanders

OUTGOING

- = 3 years
- postdoctoral fellowship
- from Flanders 2 years abroad
- 1 return year to Flanders

[PEGASUS]² Marie Skłodowska Curie Fellowships

Prestigious Horizon2020 COFUNDed postdoctoral funding scheme

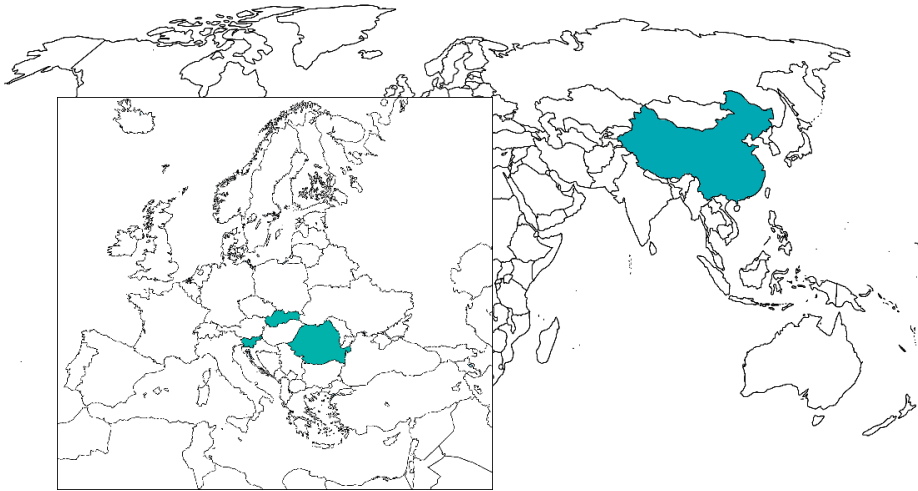
EU COFUND budget: € 6.372.000

This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 665501.

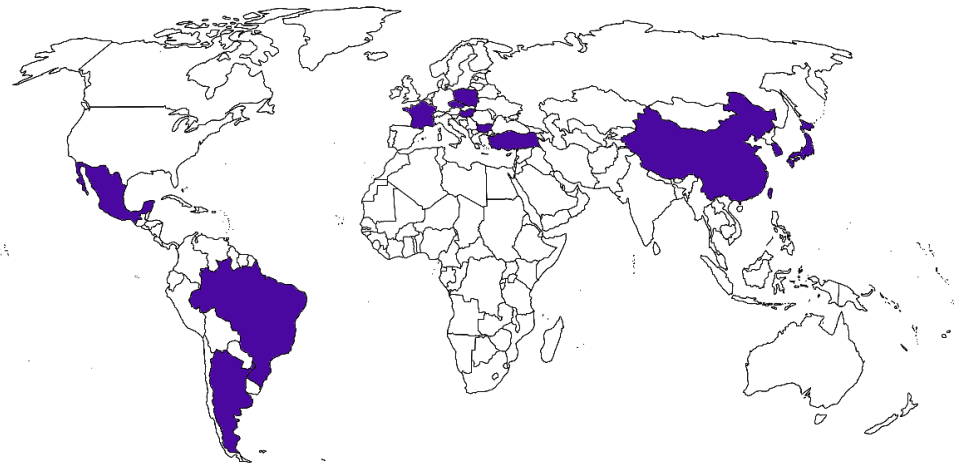


European Union Funding
for Research & Innovation

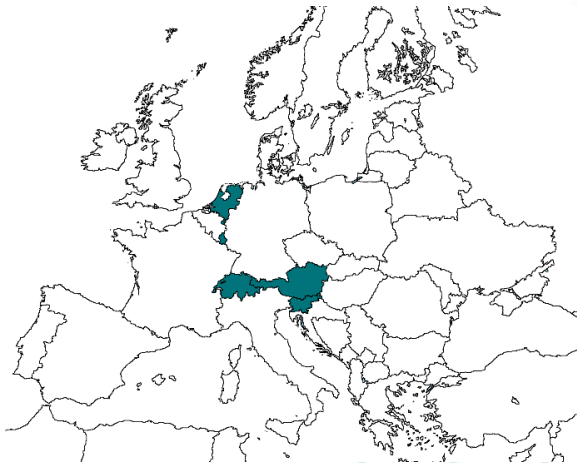
Bilateral Agreements



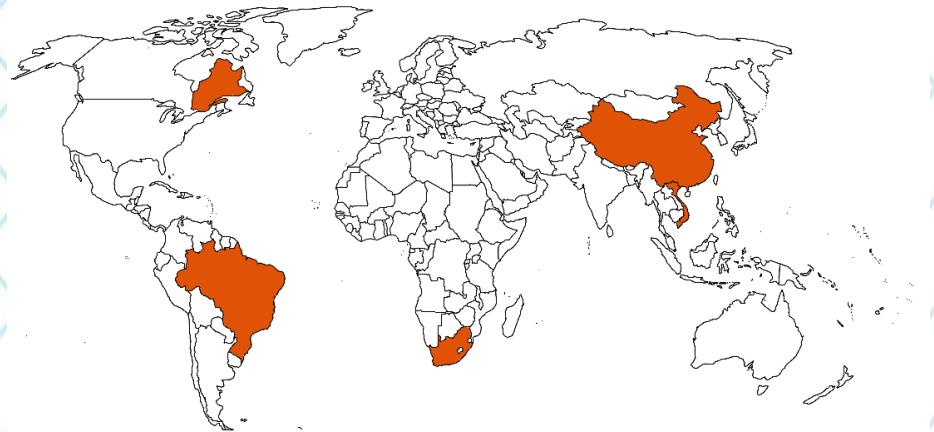
Exchange Agreements



Scientific Cooperations



Lead Agency Procedures



Bilateral Research Cooperations

To promote **joint** research projects in **basic** research in **all fields** between the Flemish and French-speaking community in Belgium, **possibly in collaboration with foreign research groups**:

Consortium composition:

**TYPE I:
Universities**

**TYPE II:
Research
Institutes**

**TYPE III: Federal
Research
Institutes**

**TYPE IV: Foreign
Research Institutes**

- Research projects (4 years)
- Up to 1 million per year for staff, consumable and equipment
- Up to 2 Type II, III or IV research groups can be included
- Budget for Type II, III and IV: max. 10% of total consortium budget
- Deadline: 4th of April 2017 – 2 pm
- Start project: 1st of January 2018



EOS
THE EXCELLENCE
OF SCIENCE

www.eosprogramme.be

Participation in 3 calls within FP7

- 2014: “The development of biorefinery processes for marine bioresources”
 - Granted: **NEPTUNA** - Peter Bossier, UGent
- 2015: “Bioactive molecules from the marine environment – Biodiscovery”
 - Granted:
 - **Novofeed** - Lennart Martens, UGent
 - **BlueShell** - Katleen Raes, UGent & Johan Robbens, ILVO
- 2016: “Metagenomic approaches for valorization from the marine environment”
 - Granted: /

Participation upcoming ERA-NET Cofund call within H2020

- [JPI Oceans](#) as driven force
- Call planned: 2019
- FWO contribution: 2 to 3 projects
- FWO participation with channels:
 - Fundamental research
 - Strategic basic research

<http://www.fwo.be/en/fellowships-funding/european-programmes/era-net/>



What's in it for you?

- **Enter into dialogue** with society/citizens
- Increase **societal involvement** and **confidence** in science
- **Stimulate, reinforce and innovate collaboration** between all actors in knowledge chain (interdisciplinarity)
- Excite your **curiosity** and **imagination** (focus on content of questions from citizens, no agenda-setting)
- Maintain and reinforce **strong international position** of Flanders in science, technology and innovation

Large public survey (17 April – 27 May 2018):

“To which question(s) do you want science in Flanders to offer an answer?”

www.vraagvoordewetenschap.be

Opportunities for your partners abroad

Fellowships

- PhD fellowship (European degree)
- Postdoctoral fellowship (open to all nationalities)
- Odysseus/[PEGASUS]² for (established) researchers

Research projects

- Regular FWO research projects (in collaboration – no funding)
- EOS projects: max. 10% of total budget possible for foreign institutions as Type IV research group
- Applied Biomedical Research (TBM)/Strategic Basic Research (SBO) projects: max. 20% of total budget possible for non-Flemish research centers (co-applicant)

Thank you for your attention



Tinne Jacobs

Tinne.Jacobs@fwo.be