

Information session UGent

FWO:

Call 2011-2012

Research projects

**Dr. Hans Willems
Director Research Policy**

1 February 2012



*Where
discoveries
begin...*

On the agenda

1. Mission and key facts
2. Selection procedure and how to apply
3. Funding schemes of the FWO
 - Research Grants
 - Research projects
 - Big Science
4. Varia





1. MISSION AND KEY FACTS

Mission and key facts

- **Mission of the FWO**
 - Funds fundamental scientific research (“frontier research”)
 - Bottom-up funding in all disciplines
 - Strong selection based on scientific excellence and interuniversity competition (Flemish universities and, to a lesser extent, research performing organisations)
 - Transparent and equal opportunities



Mission and key facts



- **Mission of the FWO**
 - Label awarded in december 2010
 - Implementation of Charter & Code
 - Focus on transparent recruitment procedures and gender-friendly measures

Mission and key facts

- **Target groups of the FWO**
 - Young researchers
 - Postdoctoral researchers
 - Established researchers
 - Research teams
 - Top-researchers and high-potential researchers

- Equal opportunities: no discrimination with respect to nationality, gender, disciplines, ...
 - flexible regulations to support and stimulate female researchers in their academic career.



Mission and key facts

- **Funding schemes of the FWO**
 - Funding for individual researchers
 - Pre- and postdoctoral fellowships, bench fees and grants
 - Funding for research teams
 - Research projects, Big Science, Bilateral agreements, ...
 - Supporting mobility, international contacts and collaborations
 - Travel grants, Visiting Postdoctoral Fellowships, Sabbatical leaves, Scientific research communities, Organisation of conferences in Belgium, Internationald coordination acties, collaboration agreements, ...
 - Attracting excellent researchers, active abroad, to Flanders
 - Odysseus , Pegasus
 - Awarding scientific prizes



Mission and key facts

- **Policy plan 2012-2016**
 - New plan 2012-2016 (6/2011)
 - New Cooperation agreement with the Flemish government 2012-2016 (01/2012)

- **Strategic goals 2012-2016**
 - Researcher friendly institution
 - Scientific excellence as key factor
 - Catalyst for internationalisation
 - Science communication
 - Give attention to diversity

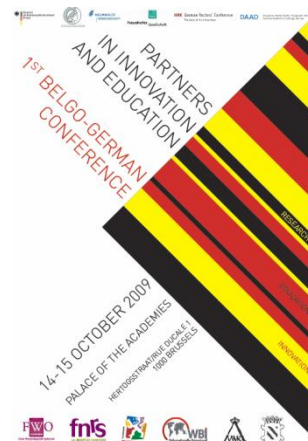
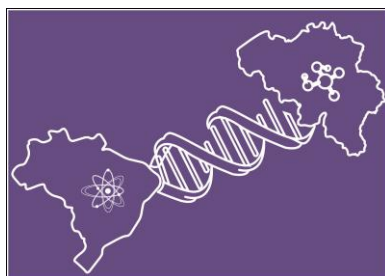


Mission and key facts

- **Policy plan 2012-2016**
 - Budget: 200 million euro/year
 - 4.500 applications/year: fellowships, projects, travel grants, etc.
 - 850 predoctoral and 850 postdoctoral researchers, 12 % foreigners
 - 1201 ongoing projects, employment for 1022 researchers
 - 15 international collaboration agreements
 - 5 bilateral agreements for joint-projects
 - 1200 travel grants (research stays, conferences, etc.)

Mission and key facts

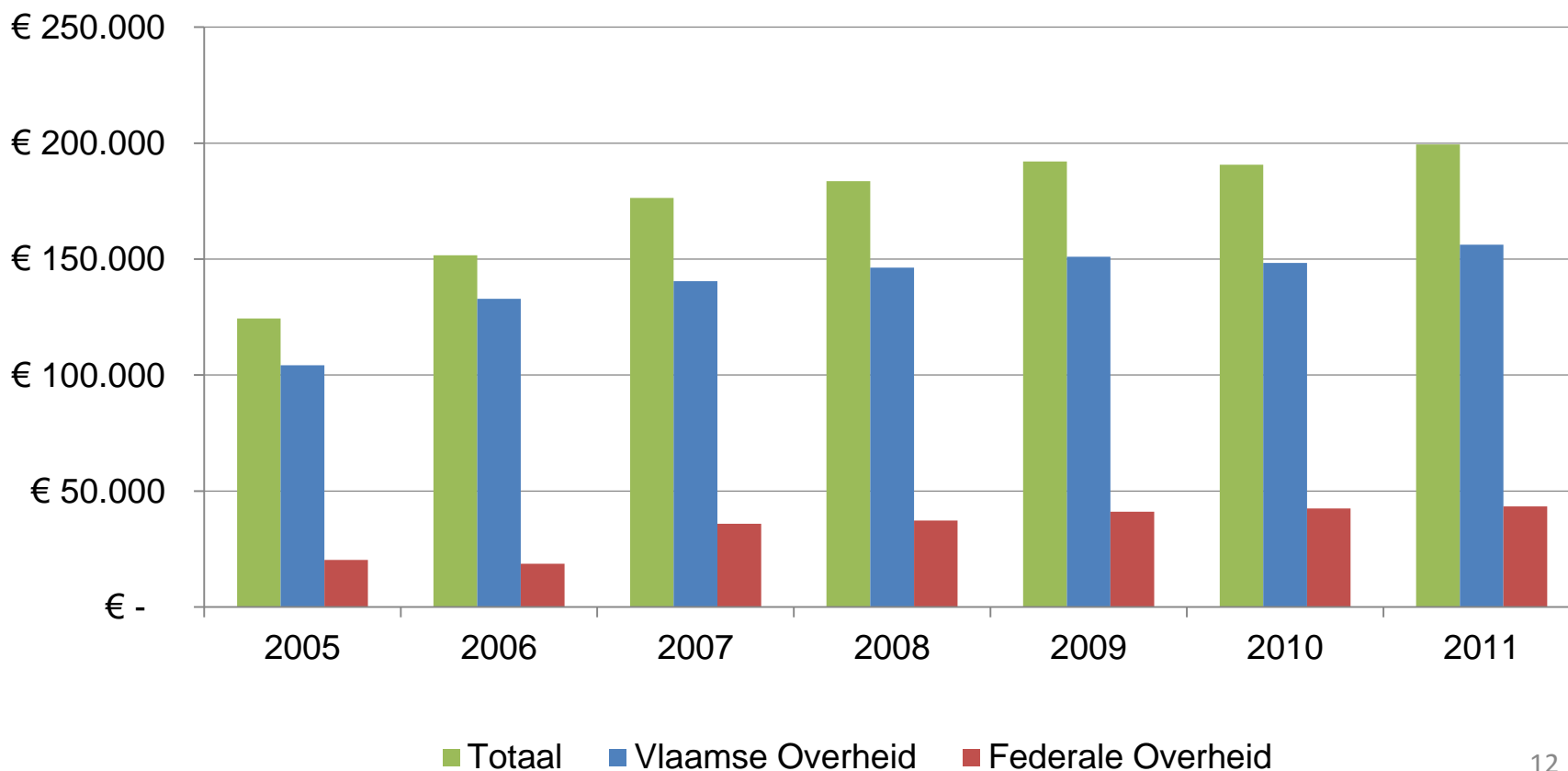
Events



Mission and key facts

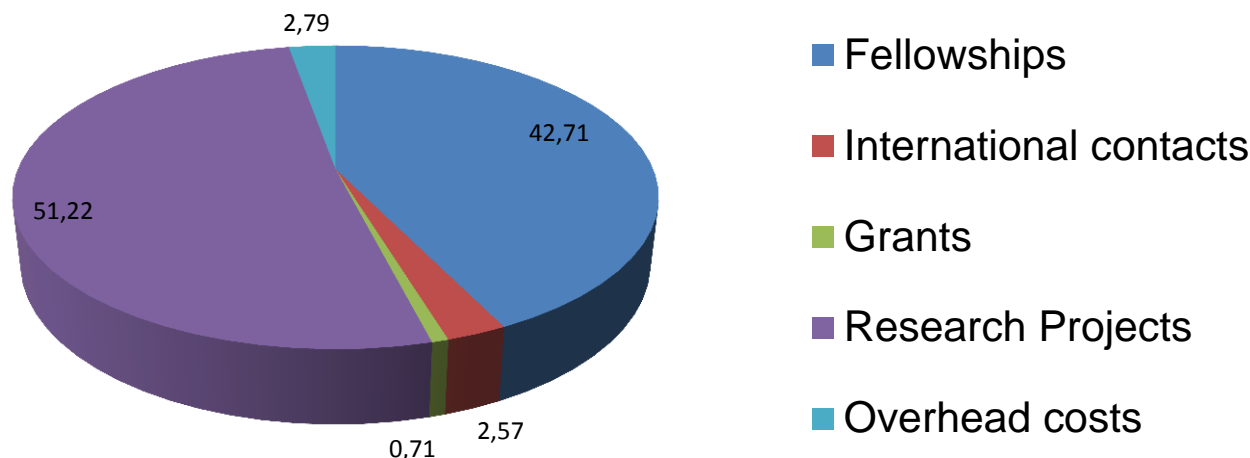
- **Budget 2011: ± 200 million euro, of which ca. 80% from the Flemish Government**

Evolution budget (kEUR)

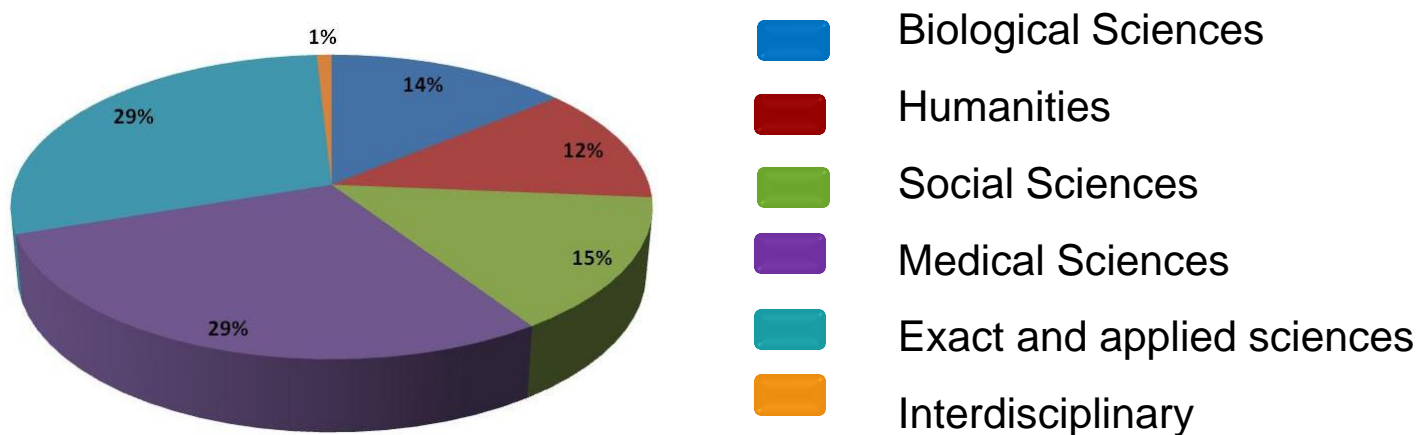


Mission and key facts

Allocation 2010



Allocation over different research domains 2010



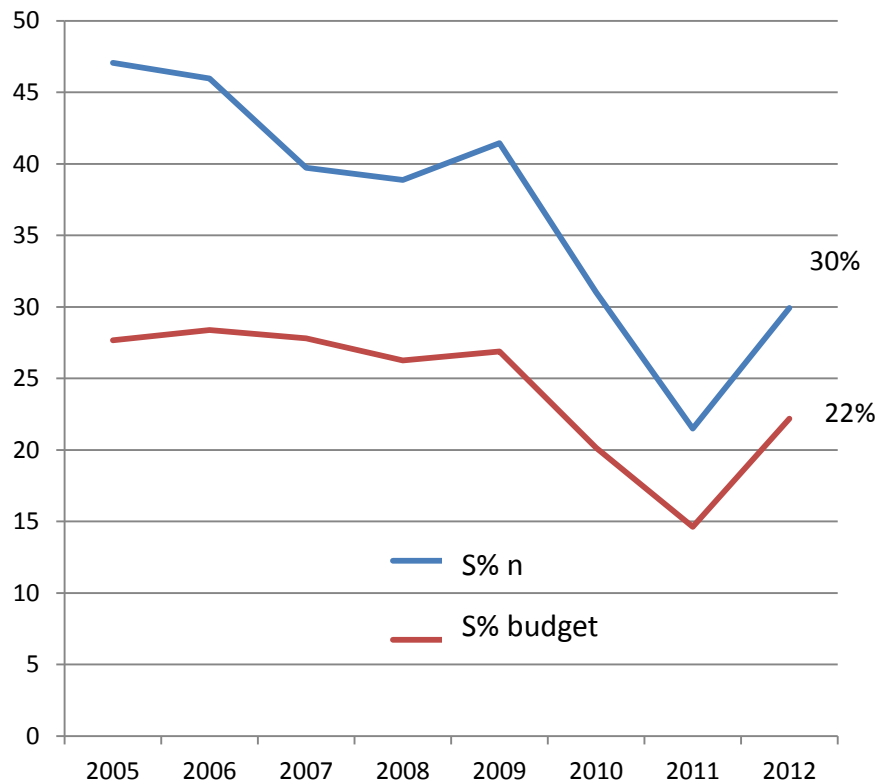
Mission and key facts

Research Grants

year	requested n	awarded n	S% n	requested budget (in kEuro)	awarded budget (in kEuro)	S% budget
2005	238	112	47	7329	2027	28
2006	198	91	46	6009	1705	28
2007	219	87	40	6789	1888	28
2008	265	103	39	7931	2082	26
2009	222	92	41	7399	1990	27
2010	216	67	31	7094	1430	20
2011	293	63	22	9828	1437	15
2012	274	82	30	9075	2014	22

Mission and key facts

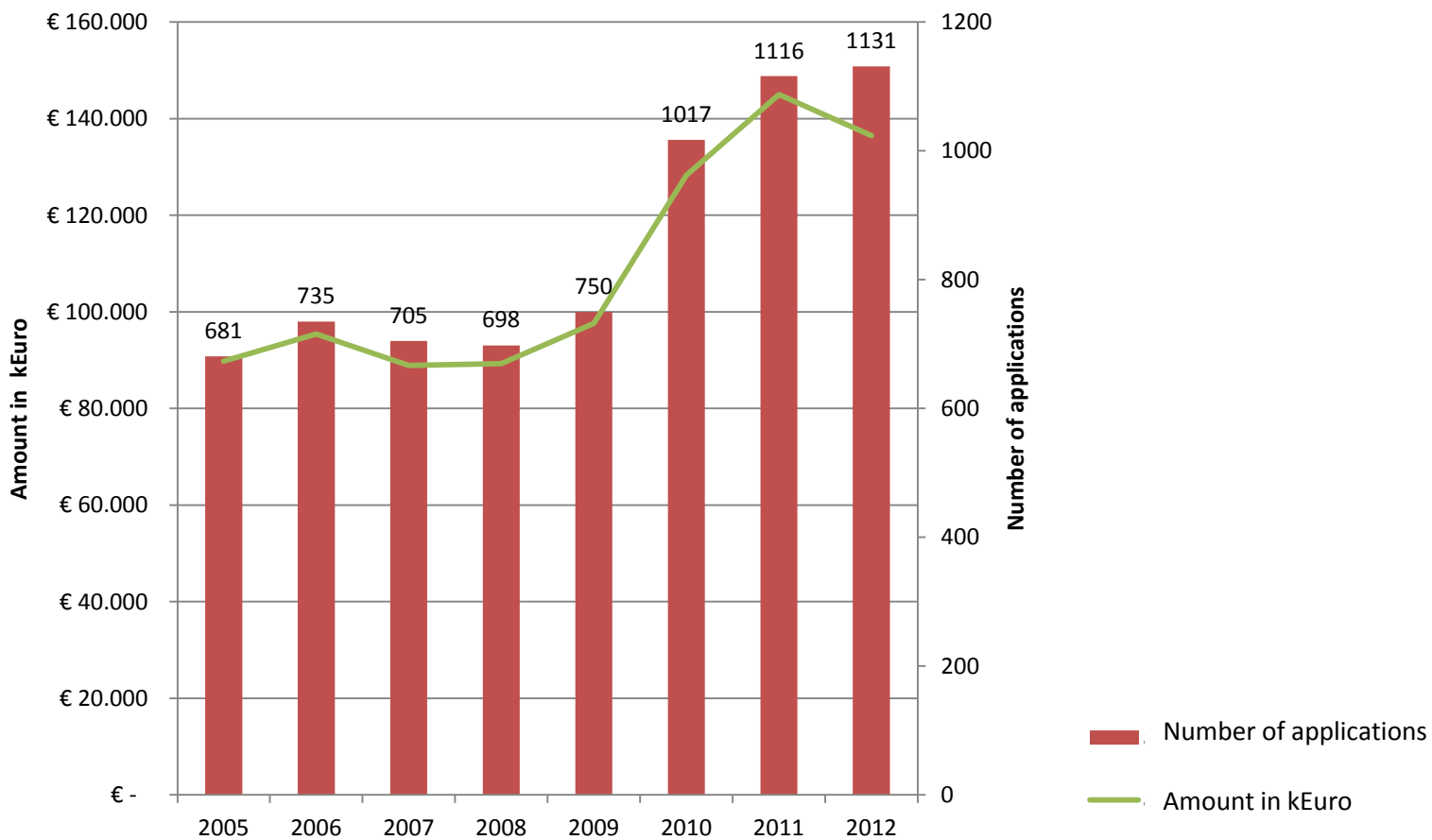
S% Research Grants



Average budget per grant	
2005	18.098
2006	18.736
2007	21.701
2008	20.214
2009	21.630
2010	21.343
2011	22.810
2012	24.561

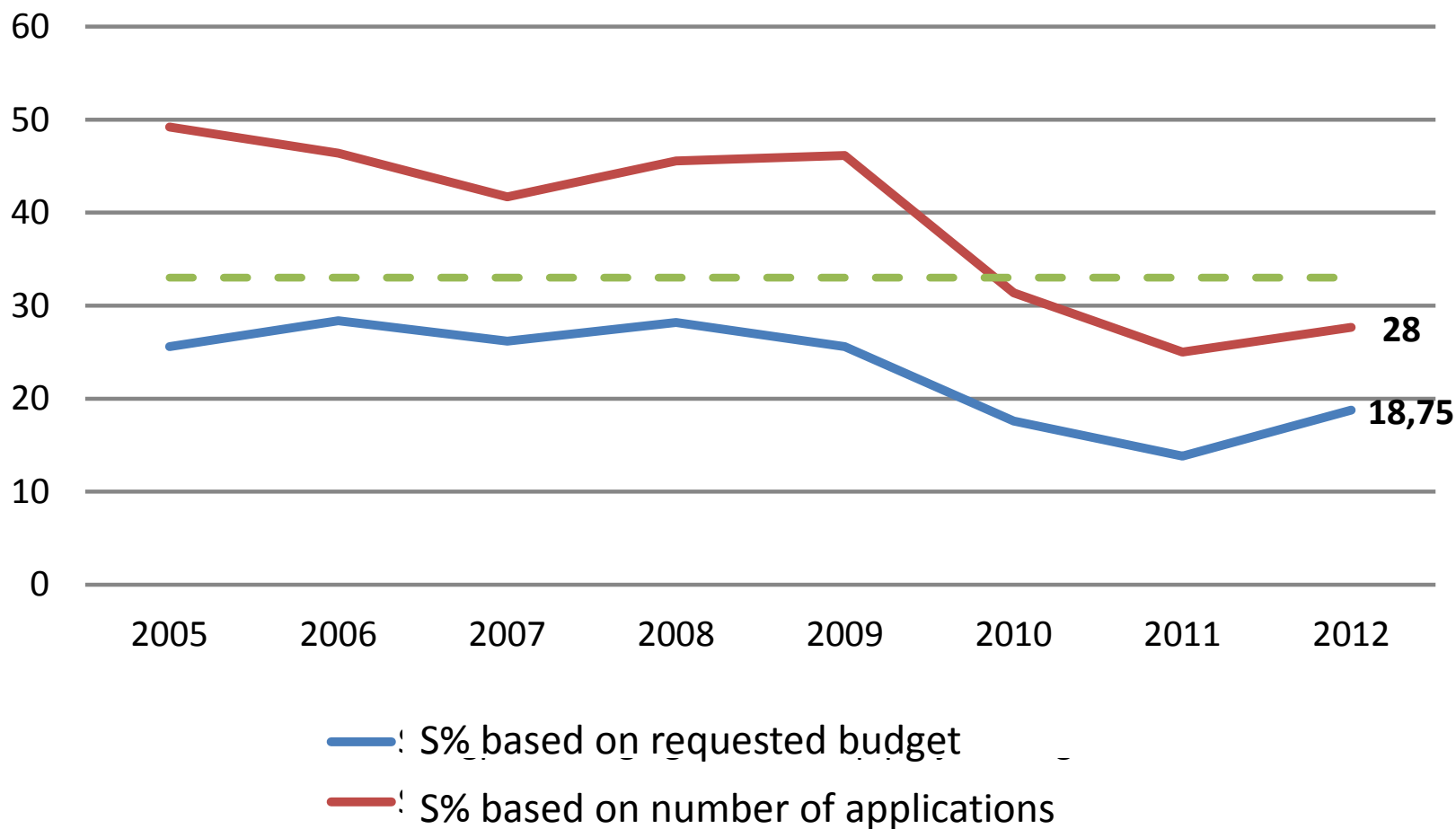
Mission and key facts

Number of Project applications



Mission and key facts

Success rate research projects



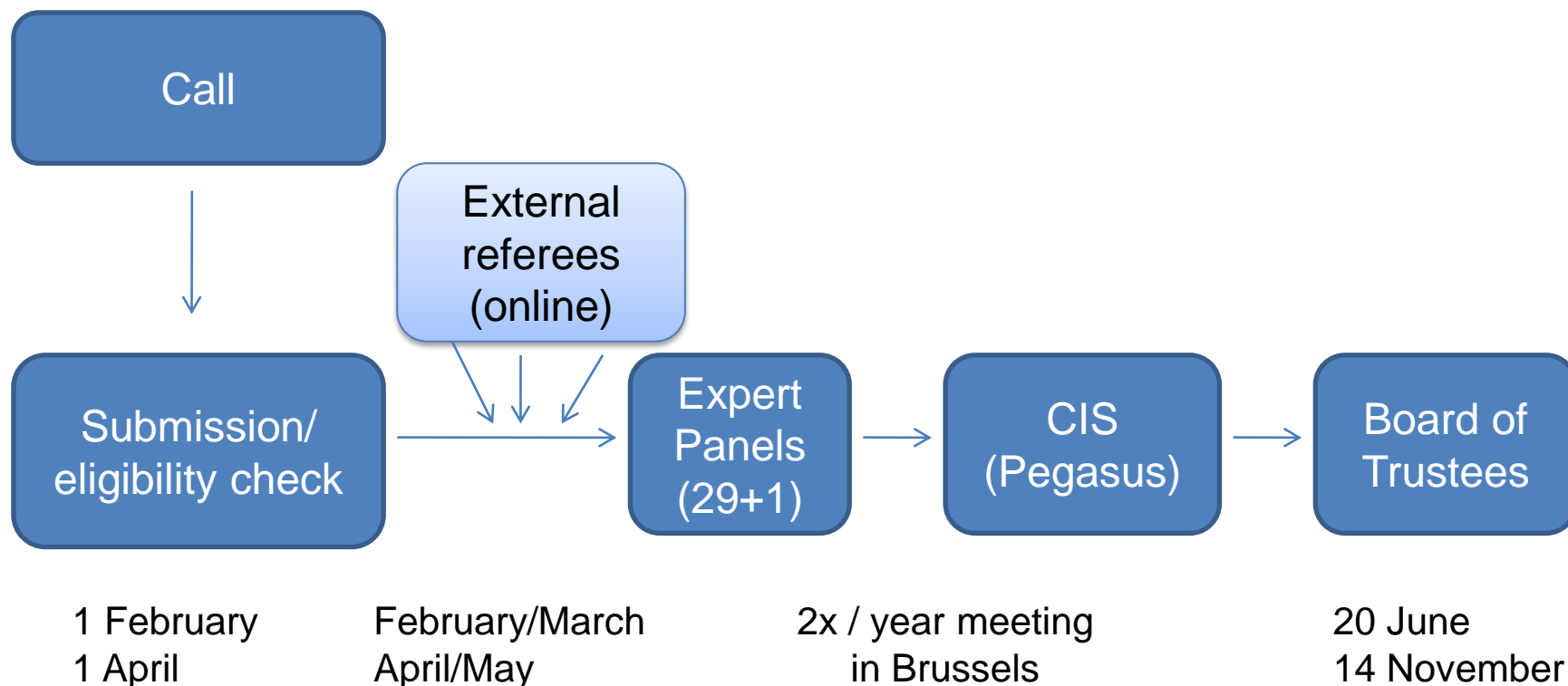
Mission and key facts

Average budget per project per year	
2006	79.384 euro
2007	79.214 euro
2008	79.169 euro
2009	68.612 euro
2010	70.764 euro
2011	71.867 euro
2012	81.775 euro



2. **SELECTION PROCEDURE AND HOW TO APPLY**

Selection procedure and how to apply

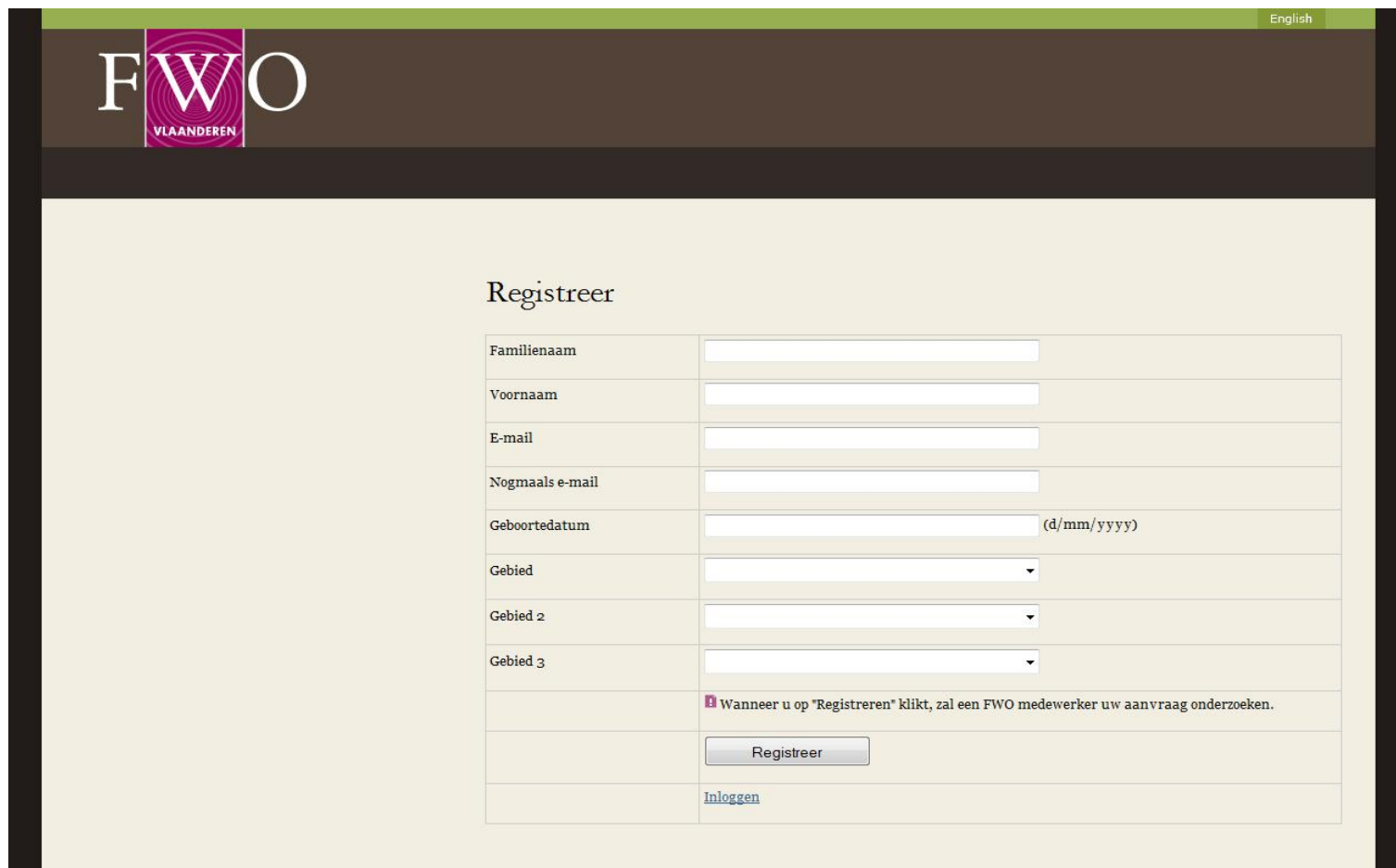


Duration workflow fellowships: < 5 months

Duration workflow projects: < 7 months

Selection procedure and how to apply

- Online: FWO E-Portal (register at least 24 hours in advance)



The screenshot shows the FWO E-Portal registration page. At the top left is the FWO VLAANDEREN logo, and at the top right is a language selector set to "English". The main heading is "Registreer". The form contains the following fields:

Familienaam	<input type="text"/>
Voornaam	<input type="text"/>
E-mail	<input type="text"/>
Nogmaals e-mail	<input type="text"/>
Geboortedatum	<input type="text"/> (d/mm/yyyy)
Gebied	<input type="text"/>
Gebied 2	<input type="text"/>
Gebied 3	<input type="text"/>
<p>! Wanneer u op "Registreren" klikt, zal een FWO medewerker uw aanvraag onderzoeken.</p>	
<input type="button" value="Registreer"/>	
Inloggen	



3. **FUNDING SCHEMES OF THE FWO**

Funding schemes of the FWO

- **Research grants**
- Research projects
- Big Science
- ERA-NET
- Joint Programming
- Future & Emerging Technologies (FET)

Research grants

- Personal research budget between € 2.500 and € 40.000
- Grant for 1 year

- Krediet Fernand De Waele
(Civil Construction/Cancer): € 6.200
- Krediet Rimoux-Bartier
(Incurable Disease): € 12.400
- Krediet “Fortis Bank & Mees Pierson”
(Economy): € 15.500



Research grants

- **Who can apply?**
 - Appointed at an university
 - Appointed at a Flemish or a Federal institute for scientific research (belonging to the Dutch-speaking community)
 - Appointed at a technical school
 - Independent postdoctoral researchers from the Flemish Community under the direction and responsibility of a Flemish University
 - Not exceeding the level of 'hoofddocent'
 - Exception: mathematics, languages, humanities and social sciences
 - EU-citizen **OR** ZAP **OR** tenured at a scientific institution

Research grants

■ Selection

- Scientific output of the applicant
- Scientific context of the research department
- Research methodology
- Originality and innovative nature of the project
- Feasibility of the project
- Purposefulness of the project
- Necessity of the applied for budget

■ Evaluation

- Achieving goals set at the start of the project
- Results and publications



Research grants

- **What can be applied for?**

- Consumables / equipment
- Wages “job students” / interviewers
- Wages for excavation or similar work



- **What can't be applied for?**

- Rent, heating, lighting and maintenance of the premises
- Furniture
- Compensation of scientific or technical staff (with employment contract and subject to social security)



Funding schemes of the FWO

- Research grants
- **Research projects**
- Big Science
- ERA-NET
- Joint Programming
- Future & Emerging Technologies (FET)

Research projects



Deadline: 1 April 2012 – 17.00h

(internal deadline UGent: 13th of March 2012)

In function: \geq 1 January 2013

(start can be postponed for \leq 1 year)

Research projects

- **Characteristics**

“For each call, a researcher can act as a (co-)supervisor for
max. 2 projects”

- Funding for a limited period in principle 4 years (exceptionally extended (max. 2 years))
- Specific research objectives
- Consumables, equipment and staff (scientific/technical)
- Special attention for interuniversity and interdisciplinary projects
- If possible, organized in function of completing a PhD.

Research projects

- **Who can act as (co-)supervisor ((co-)promotor)?**
 1. a ZAP-member with an appointment of more than 10% at a Flemish university;
 2. a ZAP-member with an appointment of 10% at a Flemish university, with a specific research mandate;
 3. a ZAP-member with an appointment of 5% at a Flemish university AND at the same time appointed as (adjunct) head of the clinic of in a similar function at an Academic Hospital in Flanders;
 4. Academic personel appointed at the Evangelische Protestantse Faculteit in Leuven or at the Faculteit voor Protestantse Godgeleerdheid in Brussels;

Research projects

- **Who can act as (co-)supervisor ((co-)promotor)?**

5. A research director of FWO;

6. A nominative beneficiary of an ERC Starting Grant, an ERC Advanced Grant or an Odysseus II grant.

§3. All co-supervisors should be researchers of at least postdoctoral level; Co-supervisors should be appointed at a Flemish university or the Transnationale Universiteit Limburg, a Flemish research institution, a Flemish Academic hospital, or a Federal research institution.

Research projects

- **Who can act as (co-)supervisor ((co-)promotor)?**

If multiple universities are involved in the project: for each university at least the promotor or 1 co-promotor needs to fulfil the conditions, mentioned in §1, sections 1°, 2° and 3°, and furthermore have an appointment for the duration of the whole research project.

If, at the moment of the application, the conditions mentioned in §1 are not met, the applicant needs to prove that this will be the case at the start of the agreement (1/1/2013).

Research projects

- **Selection procedure referees:**
 - Applicant suggests **10 potential referees**
 - **APPLICANT IS RESPONSIBLE FOR ELIGIBILITY OF THE REFEREES. IN CASE OF ANY MISCONDUCT EACH APPLICATION WILL IMMEDIATELY BE INELIGIBLE**
 - FWO-administration selects *at random* referees till at least **2 reports** are available



Research projects

- **Not eligible as referee are:**

- Members of the Board of FWO;
- Members of an expert panel of FWO;
- Those who are appointed at a Belgian university, research institution or whatever other organization;
- Those who are professionally appointed at an institution where the applicant(s) during the last three years has/have been enrolled as a student or professionally has/have been appointed;
- Co-authors of the applicant(s) of a publication that has been submitted or published within the last three years prior to the final submission date for applications;
- Partners of the applicant (s) in a research project that has been applied for or ongoing within the last three years prior to the final submission date for applications



Research projects

- **Selection criteria**

- International scientific level of the research groups
- Methodology
- Originality and innovative nature of the project
- Importance of the project
- Purposefulness of the project
- Feasibility of the project
- Collaboration and coordination between research departments
- Necessity for the budgeted resources



Research projects

- **Evaluation criteria**
 - Achieving goals set at the start of the project
 - High level publications in international magazines with peer review

Research projects

- **Cost categories**

- For each project, and in the case of an interuniversity project, for each host institution, one can apply for €40.000 till €130.000 per year for consumables and staff. If one of the partners only applies for consumables, the minimum budget for these consumables can be lowered to €20.000.
- One can apply for max. €150.000 for equipment. Applying for matching funding for max. €150.000 is possible.

Research projects

- **Cost categories**

- Staff

- According to the rules of the host institution
 - Employment contract or fellowship
 - Lump sum:
 - Scientific personnel: € 60.000
 - Technical personnel: € 50.000
 - Interchangeable with consumables
 - Account for during duration project and 1 extra year

Research projects

- **Cost categories**

- Equipment

- The equipment becomes property of the university / technical school
 - $\leq \text{€ } 150.000$
 - Matching funding is allowed $\leq \text{€ } 150.000$

Research projects

■ Cost categories

■ Consumables

- Normal consumables for the execution of the project
- “Job students”, interviewers
- Guest researchers
- Small equipment \leq € 20.000
- Research stays, conferences
- Literature
- Travel costs (no commuting)
- Interchangeable with staff
- Account for during duration project and next two budget years



Research projects

- **Levenslijn**

- Biennial
- Budget € 950.000
- Global theme: “More and safer mobility for children and young adults”
- “Fundamental and applied scientific research in the area of prevention, epidemiology, intervention, rehabilitation and integration in relation to the medical, economic, legal, pedagogical, psychological and social problems of young road victims.”



Research projects

- **Odysseus**

- New call 2012, deadline 01/04/2012
- To attract top scientist from abroad (brain gain)
- Universities suggest candidates
- Strict selection by international jury and international peer review



Research projects

- **Odysseus**

- Group I

- International recognized leading researchers
 - Budget: between € 400.000 and € 1.500.000 per year (max. 5 years)
 - ZAP-position financed by universities (year 1 min. 50%, from year 2 min. 80%)

- 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 during the term of the project financed by universities

Research projects

- **New calls**



Big Science
LARGE INTERNATIONAL RESEARCH FACILITY

- **Time line**

- Open call: 15/12/2011
- Deadline: 01/04/2012
- Jury meeting: September – October 2012
- Decision Board of Trustees FWO: 14 November 2012
- Start projects: 01/01/2013

Funding schemes of the FWO

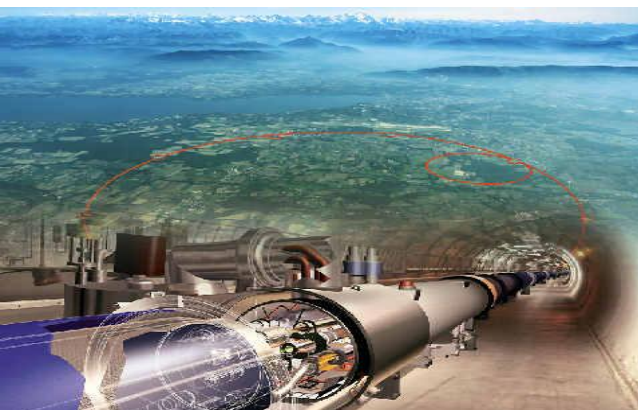
- Research grants
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Big Science

Big Science

LARGE INTERNATIONAL RESEARCH FACILITIES

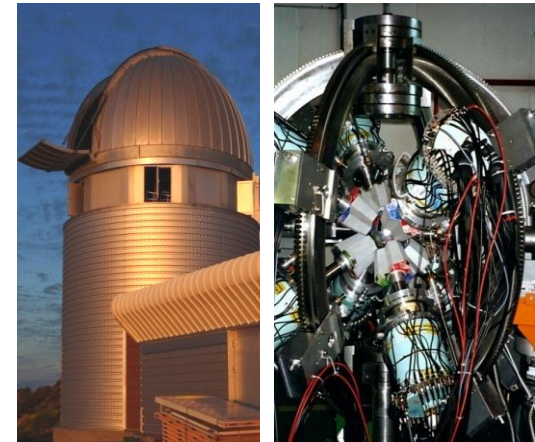
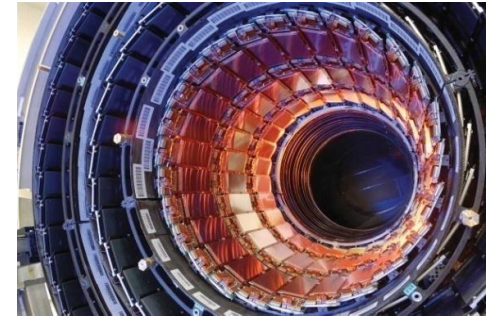
- Flemish participation in large international research infrastructures (cfr. ESRF, CERN, Mercator Telescope)
- Membership fee is payed by federal/Flemish government
- (Technical) staff, institutional, operational and logistic costs of Flemish researchers



Big Science

- **Big Science 2008-2012**
 - CERN – CMS (Genève, Swiss)
 - CERN – ISOLDE (Genève, Swiss)
 - ESRF – DUBBLE (Grenoble, France)
 - Mercator-telescope (La Palma, Spain)

- Modalities:
 - Program project for 5 years
 - Yearbudget € 3,8 million
 - International evaluation and selection panel
 - New call in 2012



Funding schemes of the FWO

- Research grants
- Research projects
- Big Science
- **ERA-NET**
- Joint Programming
- Future & Emerging Technologies (FET)

ERA-NET

- **FWO participates in 13 networks (2004-2011)**
- **General principles:**
 - As participant or with limited participation
 - Basic research
 - Main goal : *joint call*
 - *Virtual common pot*
 - Ca. € 200.000 per call (will increase)
 - Rules concerning Flemish participants =
FWO-regulations Research projects



Funding schemes of the FWO

- Research grants
- Research projects
- Big Science
- ERA-NET
- **Joint Programming**
- Future & Emerging Technologies (FET)



Joint Programming Initiatives (JPI)

What is Joint Programming?

- EC 07/2008: “towards joint programming in research: working together to tackle common challenges more effectively”
- General principle: **coördination** of national research programmes in order to tackle “grand challenges”
- Proces **steered by GPC** (“Groupe de Programmation Conjointe”)
- Implementation: “voluntary guidelines” (framework conditions)

JPI

Participation by FWO

General principles

- fundamental/translational research
- *virtual common pot*
- At least ca. 200.000 € per call
- Rules concerning Flemish participation



FWO Regulation on Research Projects

- *Alternative: Contribution in kind with existing projects,*
with option of top-up or Lead Agency procedure
- Synergy with ERA-NET

Funding schemes of the FWO

- Research grants
- Research projects
- Big Science
- ERA-NET
- Joint Programming
- **Future & Emerging Technologies (FET)**

Future & Emerging Technologies (FET)



- Large-scale and long-term research in ICT, based on cooperation between academy and industry in the European Research Area (ERA)
- Basic research with high risk, but possible large impact on technology and society
- Goal: 5 FET Flagships, € 1 million / year for 10 years
- 2013: first launch
- FWO is possible partner when it comes to basic research



4. VARIA

For more information on the FWO

- Website of the FWO: www.fwo.be
 - Information on strategy, regulations, scientific prizes, calls, ...
 - Free to download publications
- More information on FWO: <http://www.geschiedenisfwo.be/>