

**NEUES ENTDECKEN**

**TALENTE FÖRDERN**

**IDEEN UMSETZEN**

**WE STRENGTHEN  
SCIENCE AND THE HUMANITIES  
IN AUSTRIA.**

## Austrian Science Fund (FWF)

Medical University of Innsbruck and University of  
Innsbruck

Innsbruck, March 12, 2015

### Presenter

**Alan Scott**

email: [Alan.Scott@fwf.ac.at](mailto:Alan.Scott@fwf.ac.at)

**Markus Kubicek**

email: [Markus.Kubicek@fwf.ac.at](mailto:Markus.Kubicek@fwf.ac.at)

**Eva Wysocki**

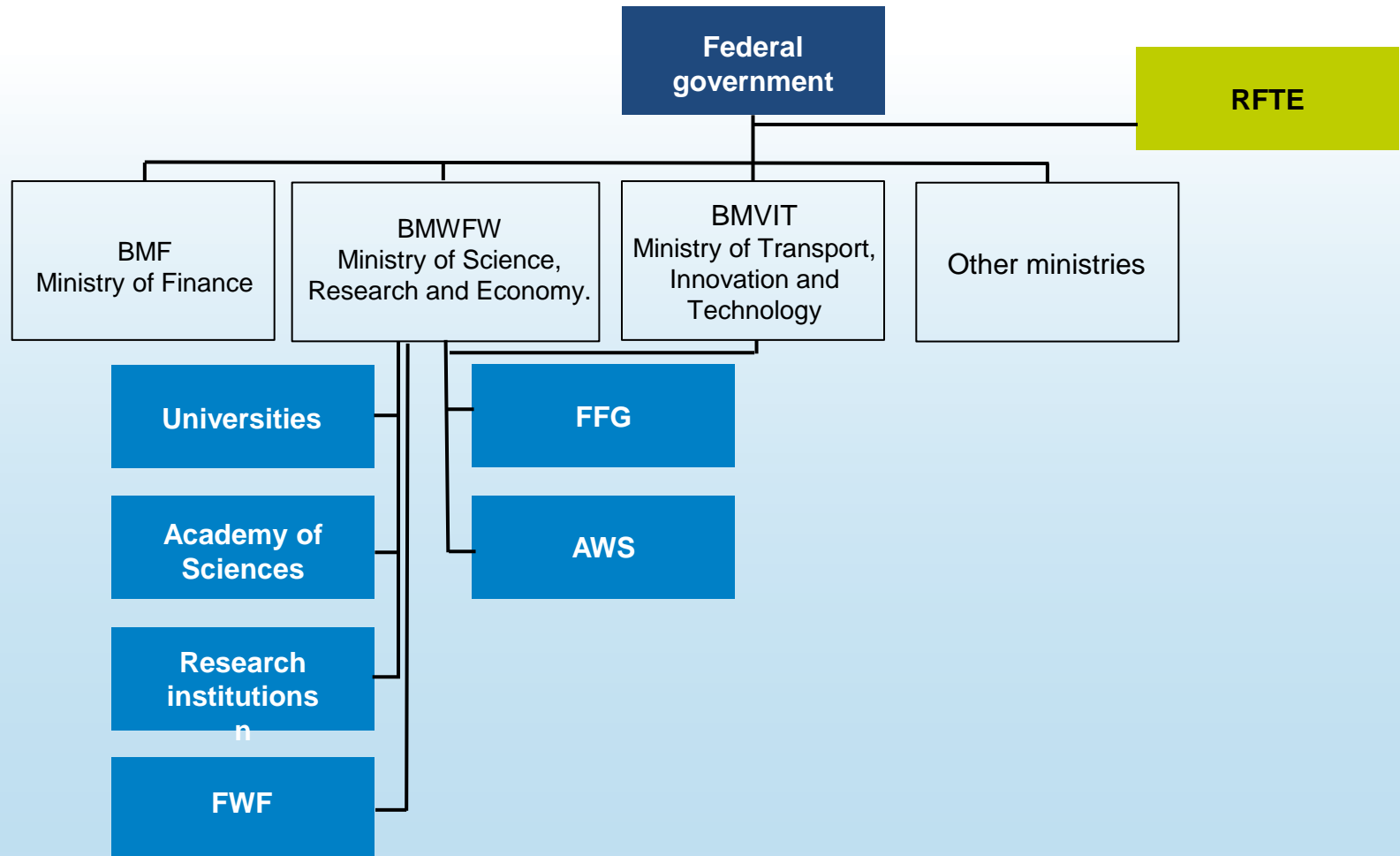
email: [LidiaEva.Wysocki@fwf.ac.at](mailto:LidiaEva.Wysocki@fwf.ac.at)

## The FWF - Overview

## Objectives

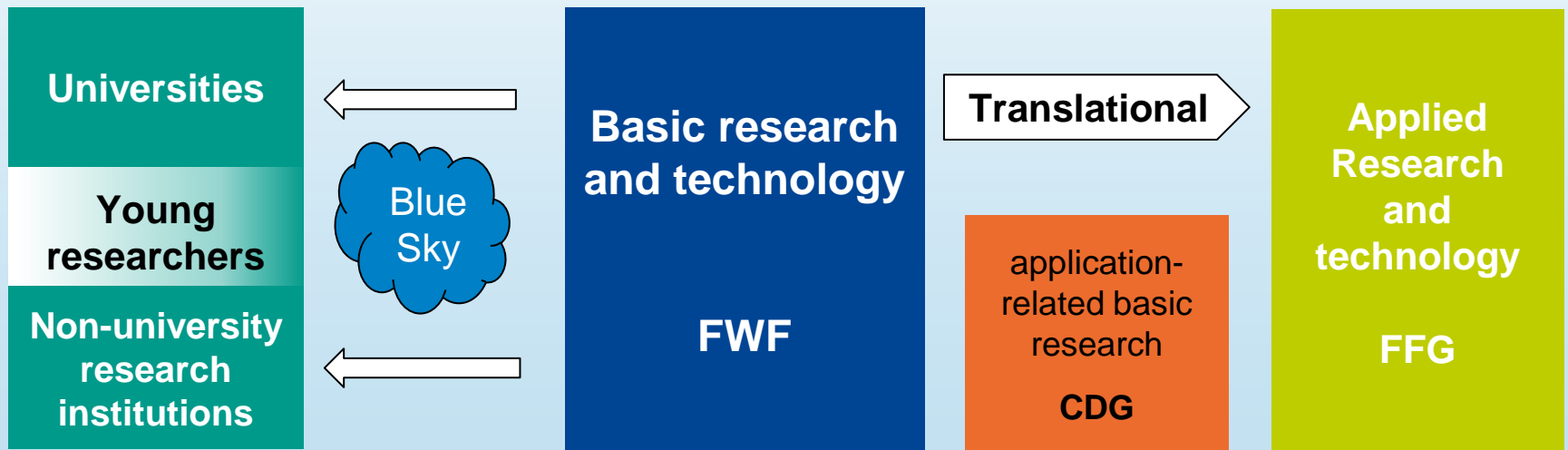
- Overview of the FWF
  - Positioning of the FWF
  - Principles
- FWF facts and figures

# R&D funding Austria since 2014



## Positioning of the FWF

The Austrian Science Fund (FWF) is Austria's central funding organization for basic research.



## The FWF as a resource for innovation leadership

- The FWF stands for more research in Austria.
- The FWF stands for more competition in the science and research system.
- The FWF stands for more quality in the science and research system.
- The FWF stands for more international orientation in the science and research system.
- The FWF stands for outstanding junior researchers in the science and research system.
- The FWF is a key location factor for the science and research system.

**The FWF is a highly effective tool for the expansion of the country's research potential toward innovation leadership.**

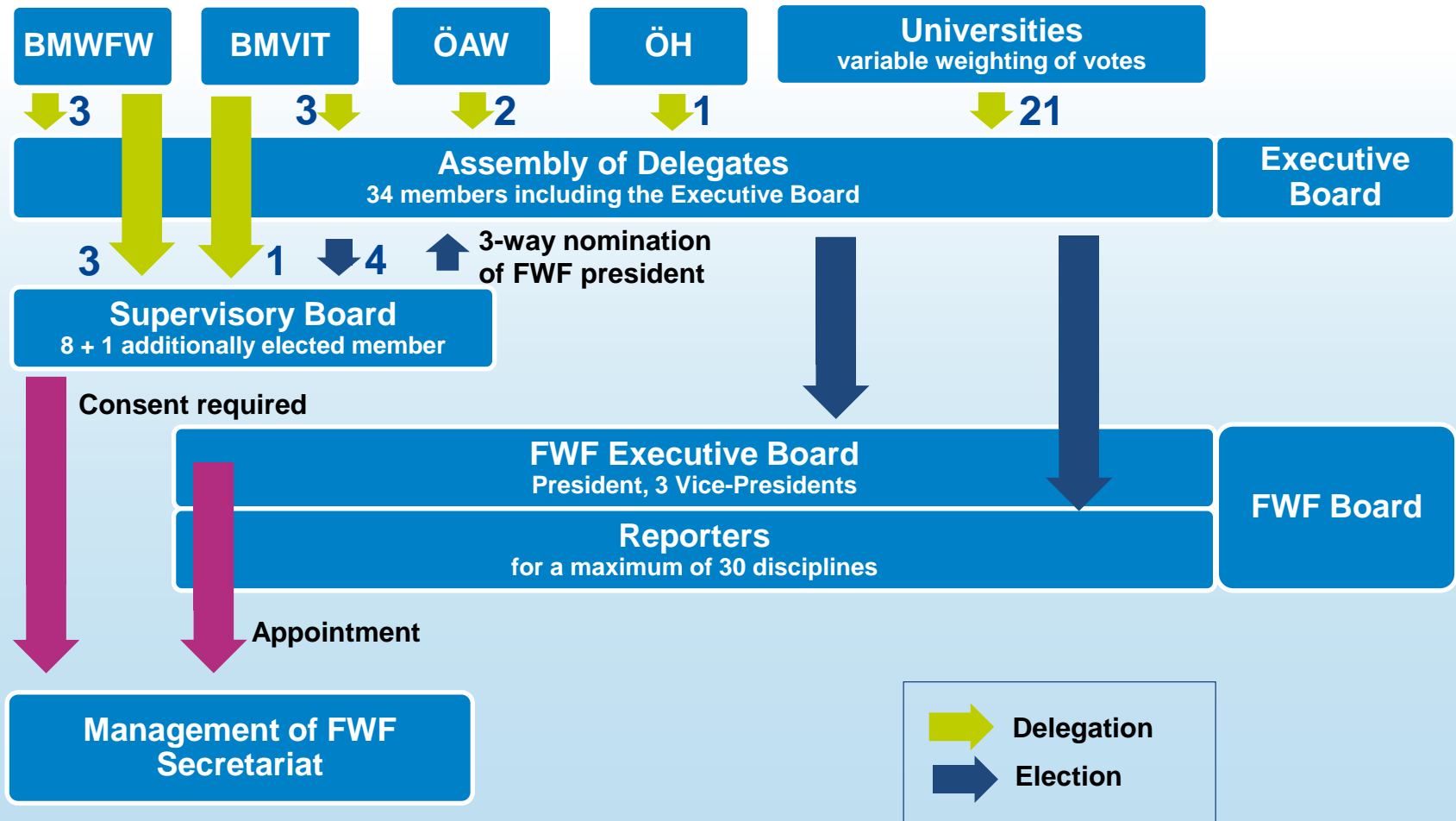
## Principles and guidelines of the FWF

FWF principles	Fundamental guidelines for FWF activities
<ul style="list-style-type: none"><li>▪ Excellence and competition</li><li>▪ Independence</li></ul>	Strictly bottom-up approach, no prescribed research topics
<ul style="list-style-type: none"><li>▪ International orientation</li></ul>	Quality based on international standards
<ul style="list-style-type: none"><li>▪ Equal treatment of all research disciplines</li><li>▪ Transparency and fairness</li><li>▪ Gender mainstreaming, equal opportunities</li><li>▪ Ethical standards</li></ul>	Principle for activities at all levels: design, decision, Secretariat



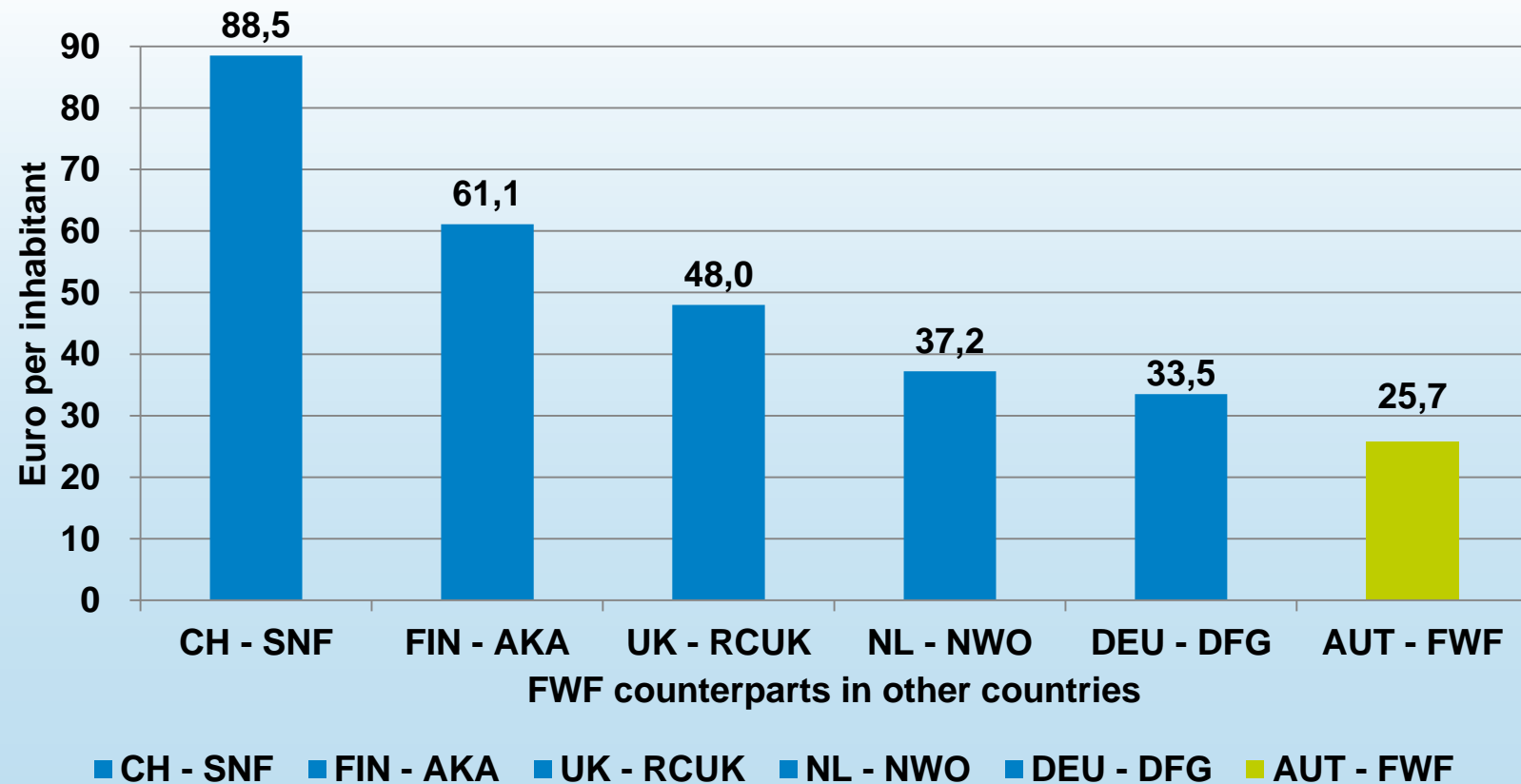


# Decision-making bodies under the FTFG

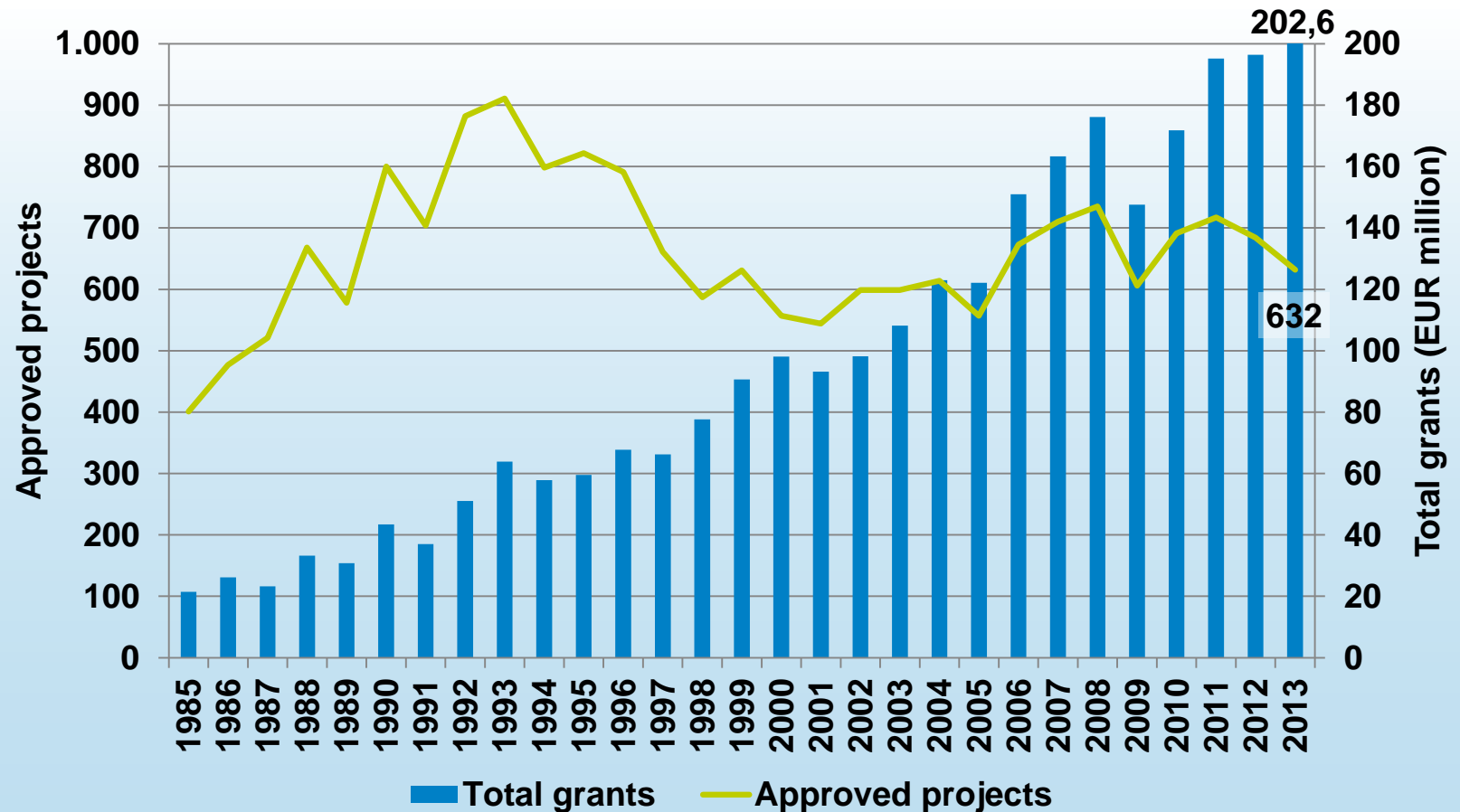


## Recent developments

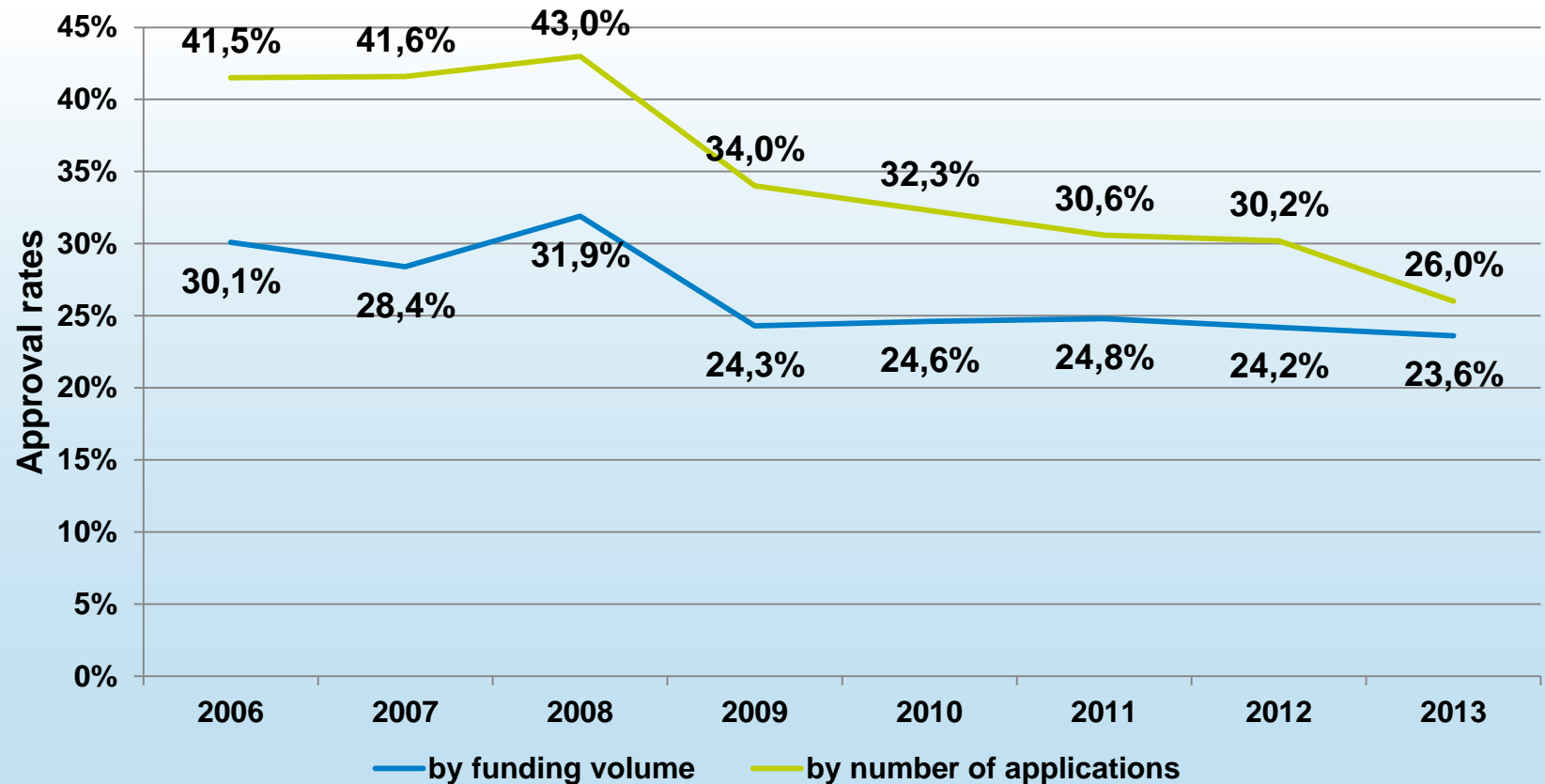
## On the state of scientific research in Austria – Basic research expenditure 2013



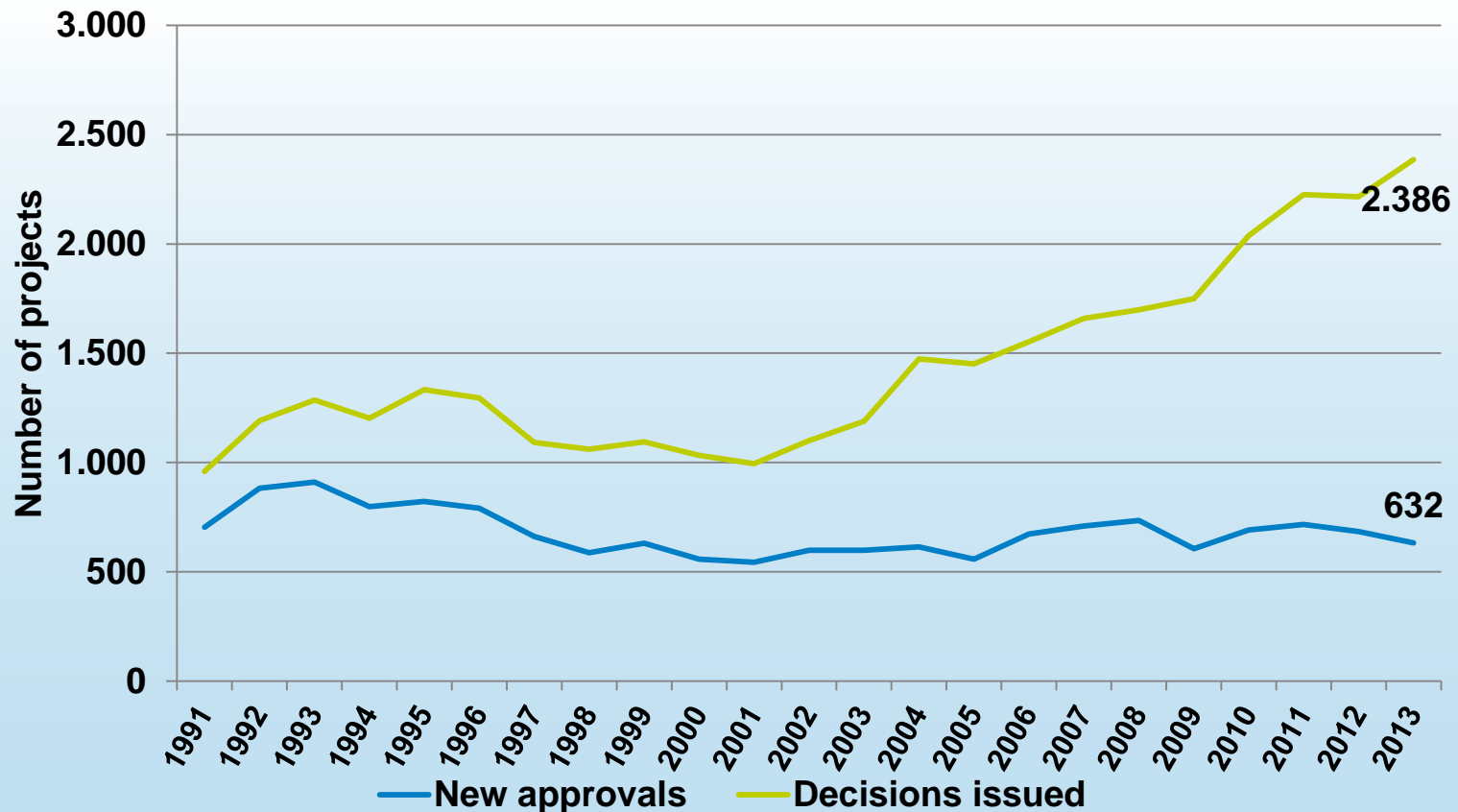
## Development of funding / number of projects approved



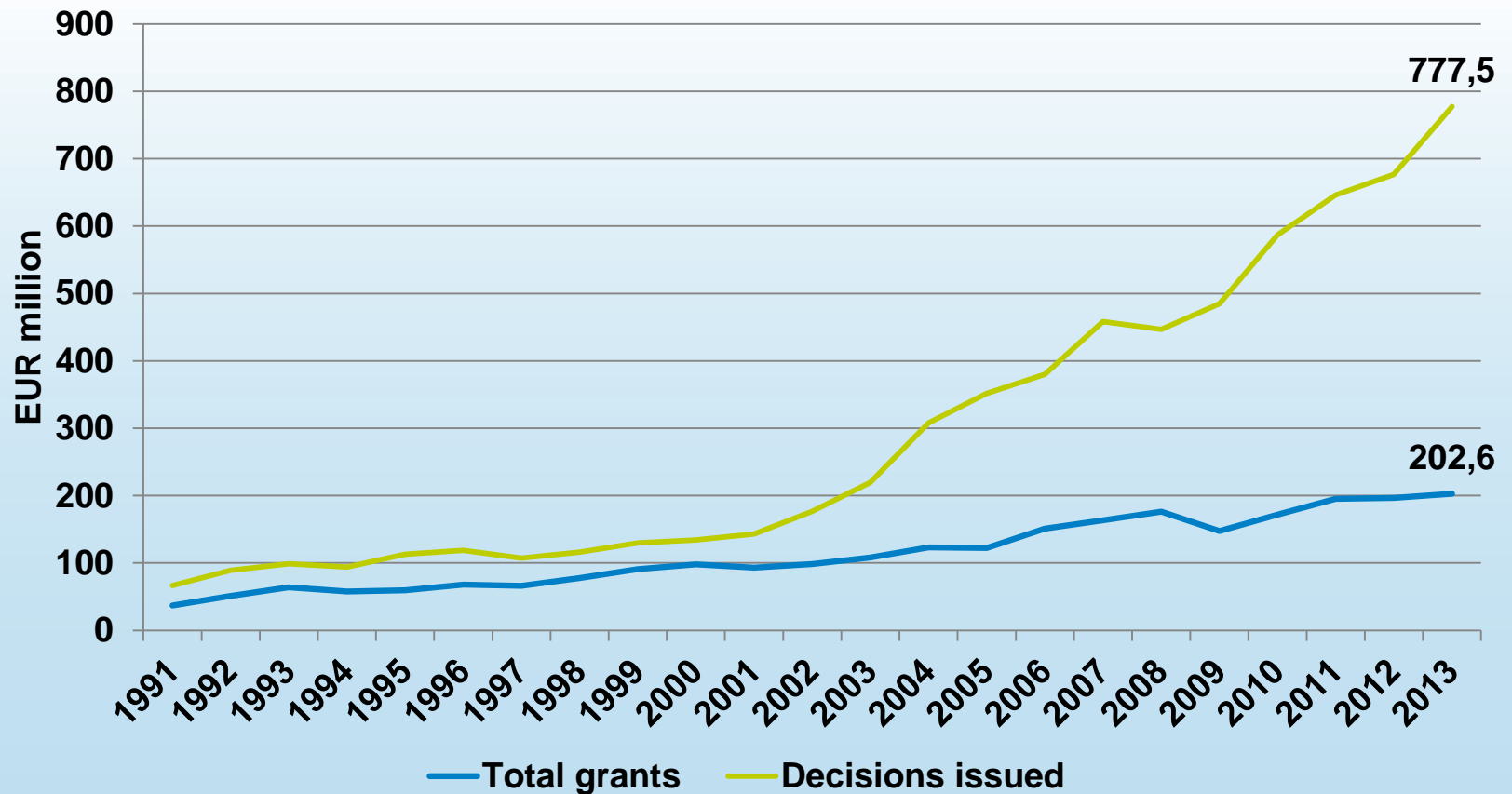
## Approval rates, 2006 to 2013 (in %)



# Development of fundings / Approvals (number of projects)



# Volume of funding requested and approved



## Overhead costs

20% of direct project costs, paid to the research institutions at 6-month intervals, based on cash flow

**2011 Re-introduced**

**Ongoing negotiations:** Extension for all FWF funding programmes, increasing gradually to 50% of direct project costs.

## Matching Funds (MF)

**1) Overhead costs to the research institutions for:**

Herta Firnberg, Elise Richter and international projects

Valid agreement with **SALZBURG, UPPER AUSTRIA, TYROL, LOWER AUSTRIA**

**2) Project funding for:** Stand-alone Projects, Lise Meitner Programme, Hertha Firnberg & Elise Richter Programme, PEEK (Programme for Arts-based Research), KLIF (Clinical Research)

Valid agreement with **SALZBURG, UPPER AUSTRIA, VORARLBERG, STYRIA, TYROL, LOWER AUSTRIA**



## Developments

- **FWF internationalisation strategy:** 1) Funding of international cooperation arrangements, 2) science policy and 3) development of international standards
- **Science Europe: Engagement of FWF in six work groups**  
(including Open Research Data Policy)
- **Evaluation of the Schrödinger Programme and the DK-Programme: completed**  
<http://www.fwf.ac.at/en/about-the-fwf/publications/>
- **Gender mainstreaming:**  
Discussion of expanding the FWF's Corporate Policy to integrate "Diversity";  
FWF chair: Science Europe: Gender and Diversity Working Group

## Recent changes

### 2014:

- From August 2014: Systematic provision of information on approval rates by discipline, programme and Board meeting ([FWF website](#))
- From Fall 2014: Systematic dispatch of information to applicants in case of longer decision procedures (e.g more than 6 months for stand-alone projects)

# Doctoral Programme: Recent Changes & Future Outlook

## Modifications – starting in 2015

- Limitation of DK- total running time to 8 years (*from 01/2015*)
  - On-going DKs: Funding of just *one more* extension period in case of a positive evaluation
  - Newly approved DKs: max. duration of 8 years
- Limitation of size increase (*ab 01/2016*)
  - For all DKs, that have their interim evaluation in 2016 or later, the increase of Faculty size is limited to 20% (until 2015: 50%).

## Outlook

- Ongoing comprehensive discussion-process to develop a new concept for the DK-programme, in close cooperation between the Federal Ministry, the Universities and the FWF;
- Integration of input from FWF-Board and DK-speakers as well as from Universities (collected in the frame of the FWF-Roadshow 2014)
- March 2015: last call for DK-applications in the current design

## What does the FWF fund?

## The FWF's corporate policy: Objectives

- To strengthen Austria's international performance and capabilities in science and research as well as the country's attractiveness as a location for high-level scientific and scholarly activities
- To develop Austria's human resources for science and research in both qualitative and quantitative terms based on the principle of research-driven education
- To emphasise and enhance the interactive effects of science and research with all other areas of culture, the economy and society

## The FWF funding portfolio



### Exploring new frontiers – Funding of top-quality research

Stand-Alone Projects  
International Programmes  
Special Research  
Programmes (SFBs)  
START Programme  
Wittgenstein Award



### Cultivating talents – Development of human resources

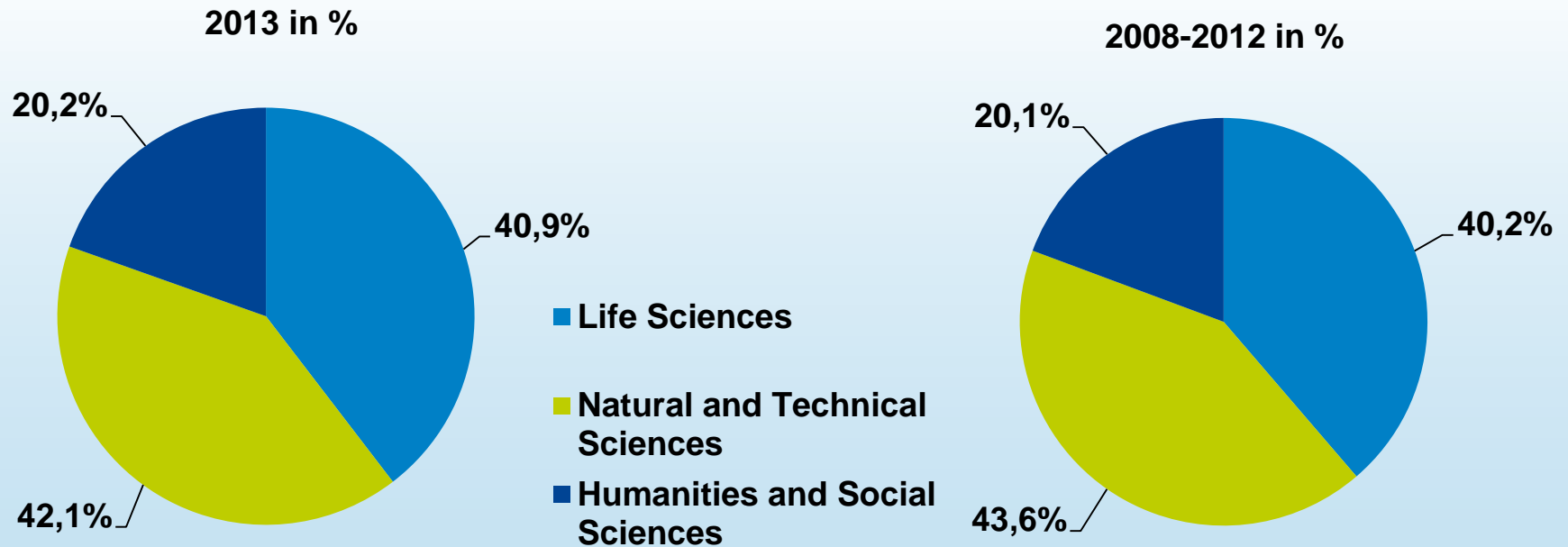
Doctoral Programmes (DK)  
Schrödinger Fellowships  
Meitner Programme  
Firnberg Programme  
Richter Programme



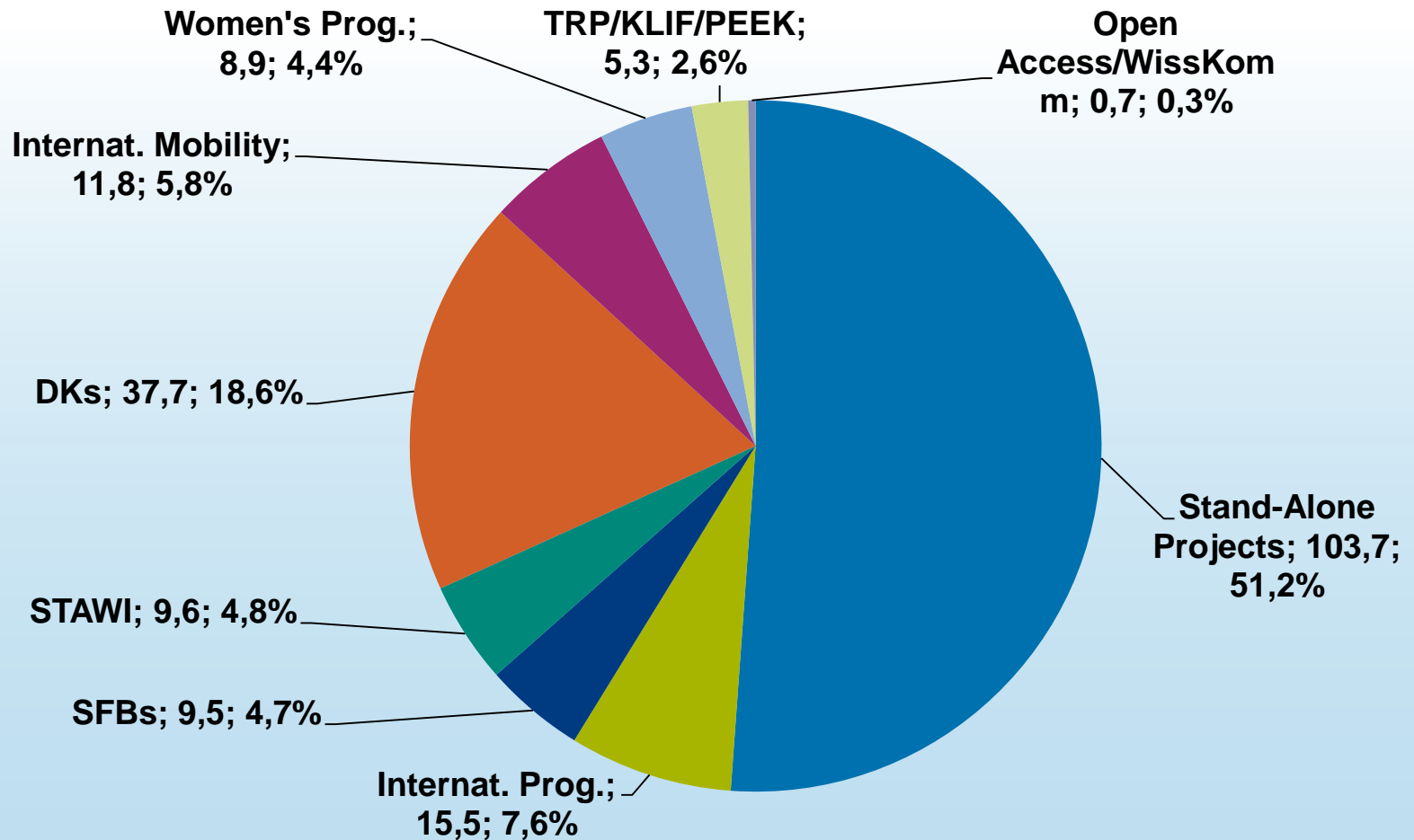
### Realising new ideas – Interactive effects between science and society

KLIF  
PEEK  
Support for Scientific  
Publications  
Science Communication  
Programme

## Grants by research discipline

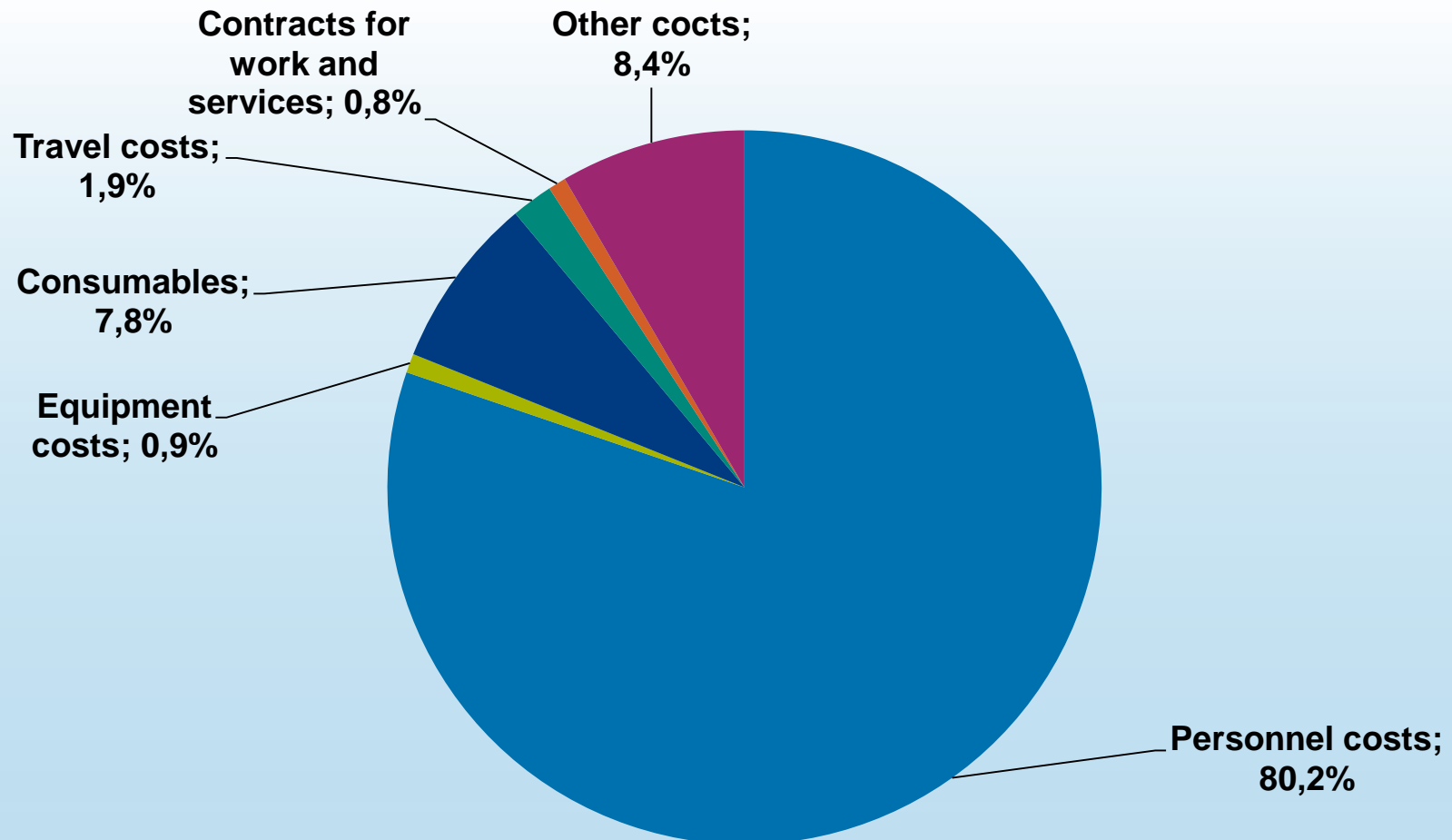


## Grants by Funding Category 2013





## Breakdown of approvals by cost types 2013

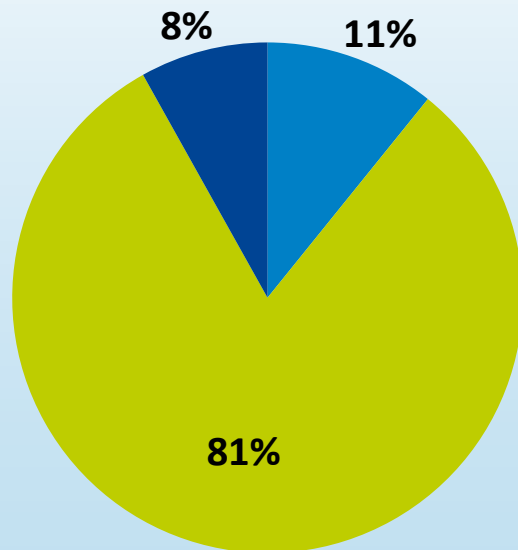


## FWF funding and ERC grants

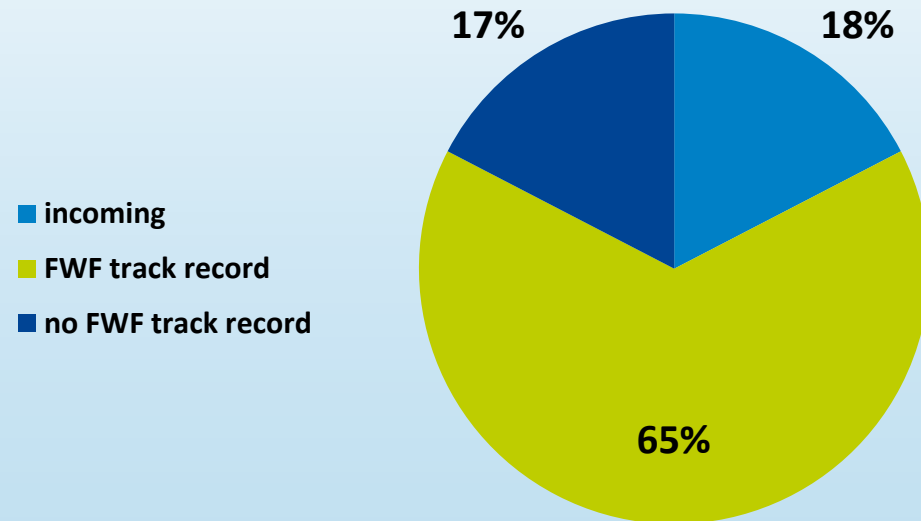
- ERC grantees launched approximately 250 FWF projects between 2007 and 2013.
- With the exception of those who came from abroad with financial support from the ERC shortly before submitting a project, most ERC grantees in Austria have a long track record with the FWF.

## ERC Grantees in Austria (2007-2013)

Advanced Grants  
N=37

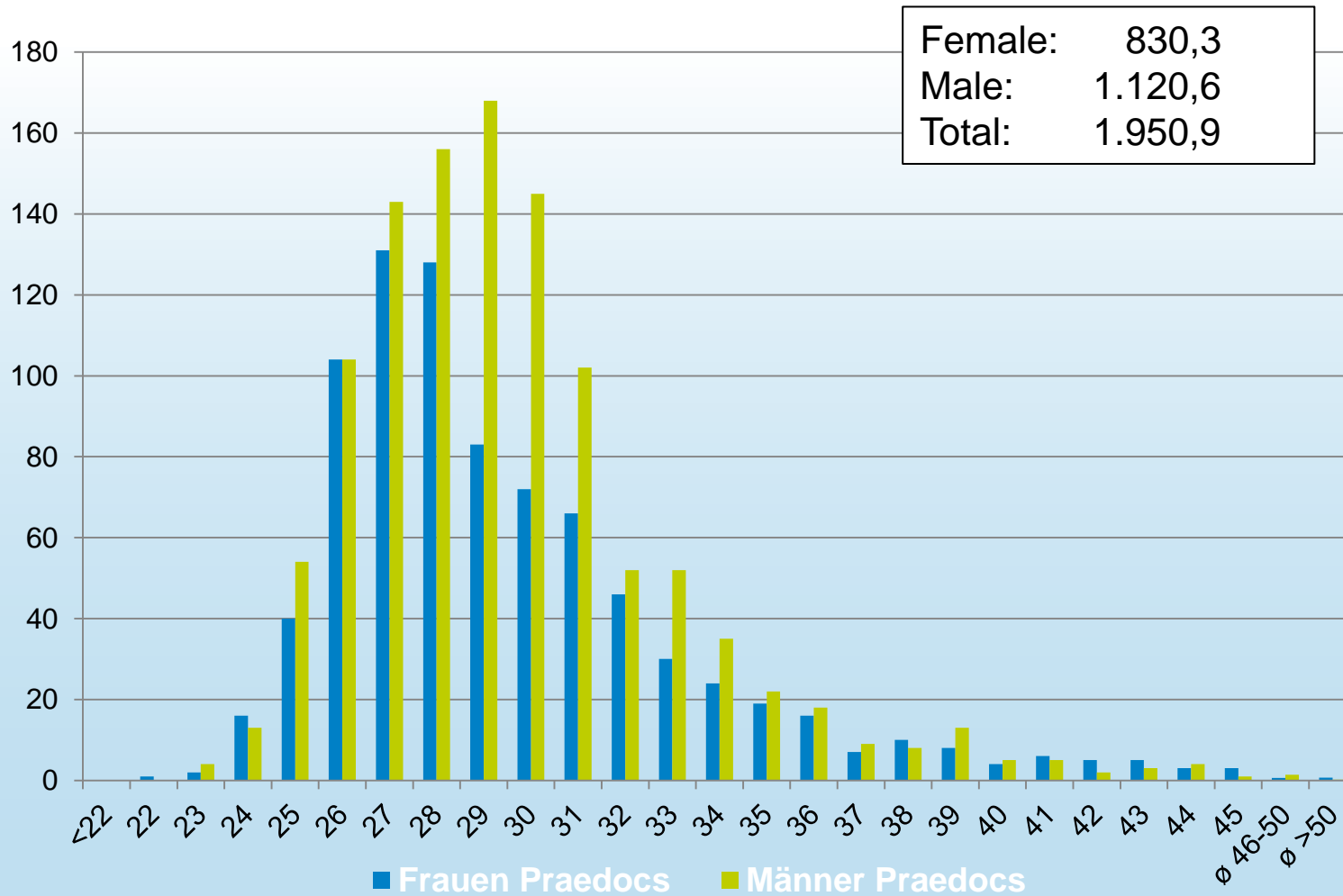


Starting & Consolidator Grants  
N=69

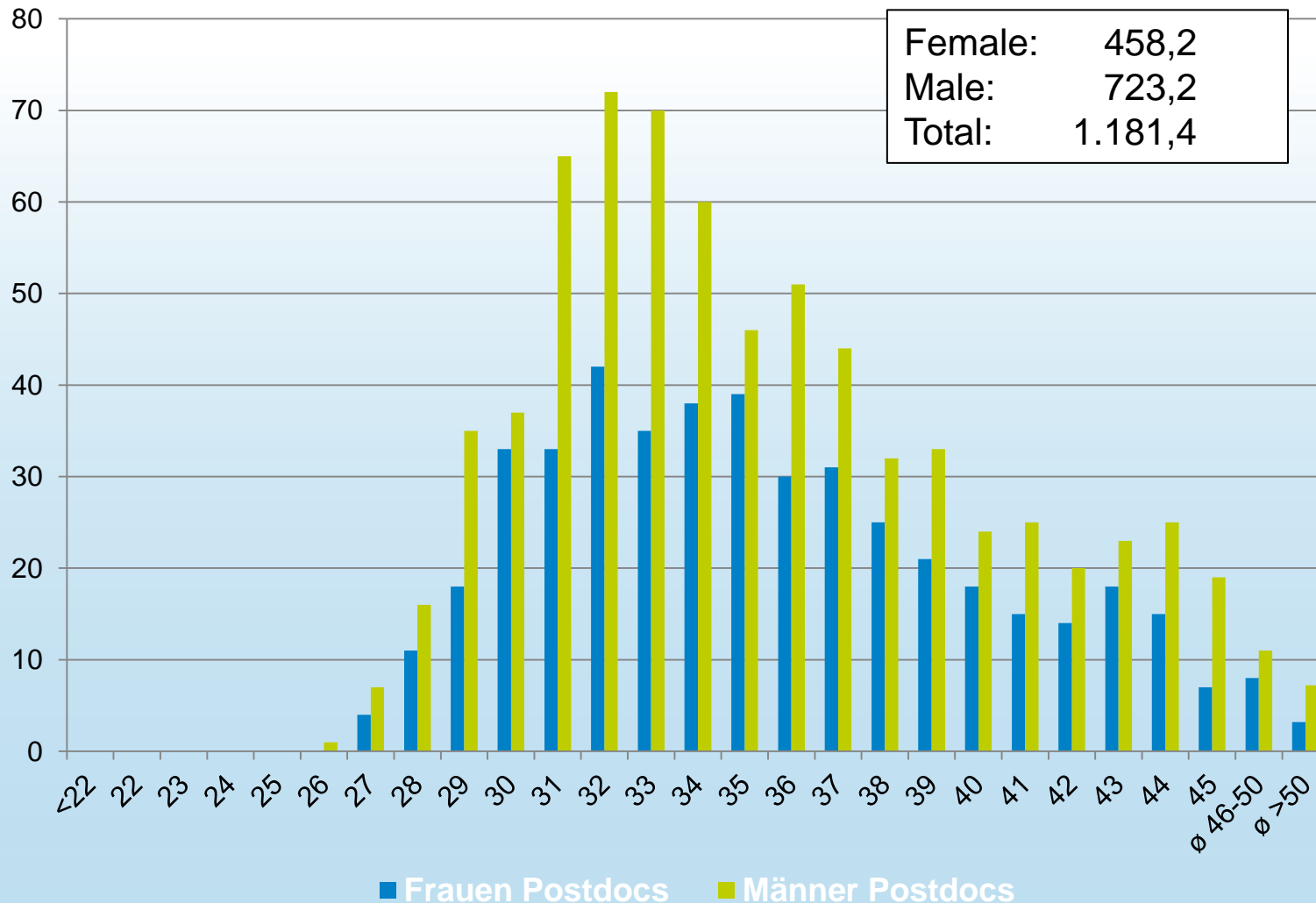


- incoming
- FWF track record
- no FWF track record




































# Age distribution (Praedocs)



# Age distribution (Postdocs)



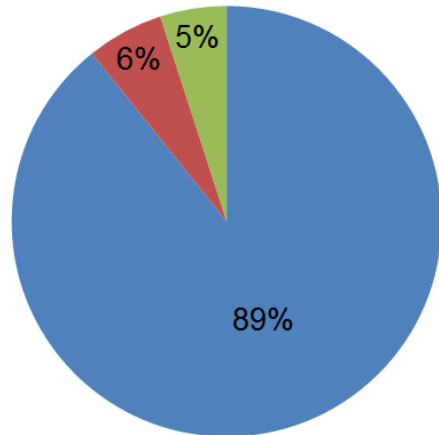
# Anzahl ANTRÄGE & BEW. PROJEKTE 2010-2014

Programmkategorie	Univ. Innsbruck		Med.-Univ. Innsbruck	
Einzelprojekte (inkl. Klinische Forschung)		462		331
		144		78
Internationale Programme		146		67
		43		15
Schwerpunkt-Programme (SFB, NFN)		40		24
		22		17
START-Progr. und Wittgenstein-Preis		47		7
		6		
Doktoratskollegs		6		5
		5		5
Internationale Mobilität		99		51
		32		24
Karriereentw. für Wissenschaftlerinnen		35		23
		11		3
Sonstige		43		29
		8		3
Wissenstransfer		22		2
		8		
<b>Gesamt: Anträge</b>		<b>900</b>		<b>539</b>
<b>Gesamt: Bew. Proj.</b>		<b>279</b>		<b>145</b>

(Neuanträge; bei SFB/NFN/DK inkl Verlängerungen; ohne Konzepte)

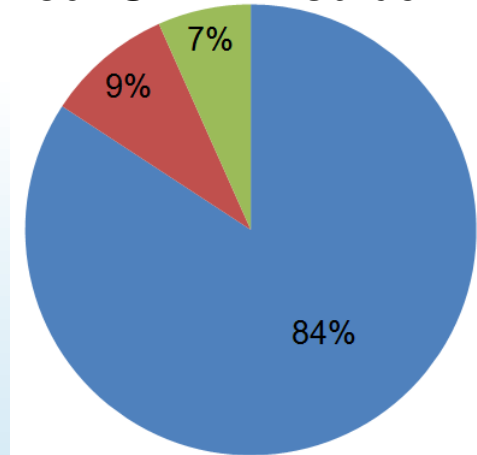
# Anzahl ANTRÄGE 2010-2014 - Kooperationen

Univ. Innsbruck



- Anträge ohne Kooperation
- Anträge mit Kooperation (FST mind. 0,5 Anteil)
- Anträge mit Kooperation (FST < 0,5 Anteil)

Med.-Univ. Innsbruck



10 größte Kooperationspartner (Größe im Sinne Projektanteile)
1.) Medizinische Universität Innsbruck
2.) Universität Wien
3.) Technische Universität Wien
4.) Universität für Bodenkultur Wien
5.) Universität Graz
6.) Universität Salzburg
7.) Priv. Univ. f. Gesundheitswiss., Med. Informatik u. Technik
8.) Medizinische Universität Graz
9.) Universität Linz
10.) Wirtschaftsuniversität Wien

10 größte Kooperationspartner (Größe im Sinne Projektanteile)
1.) Universität Innsbruck
2.) Medizinische Universität Wien
3.) Salzburger Landeskliniken
4.) Vorarlberg Inst. for Vascular Investigation & Treatment (VIVIT)
5.) Universität Graz
6.) Medizinische Universität Graz
7.) Austrian Institute of Technology
8.) Fachhochschule Oberösterreich
9.) Österreichische Akademie der Wissenschaften
10.) Akademie der bildenden Künste Wien

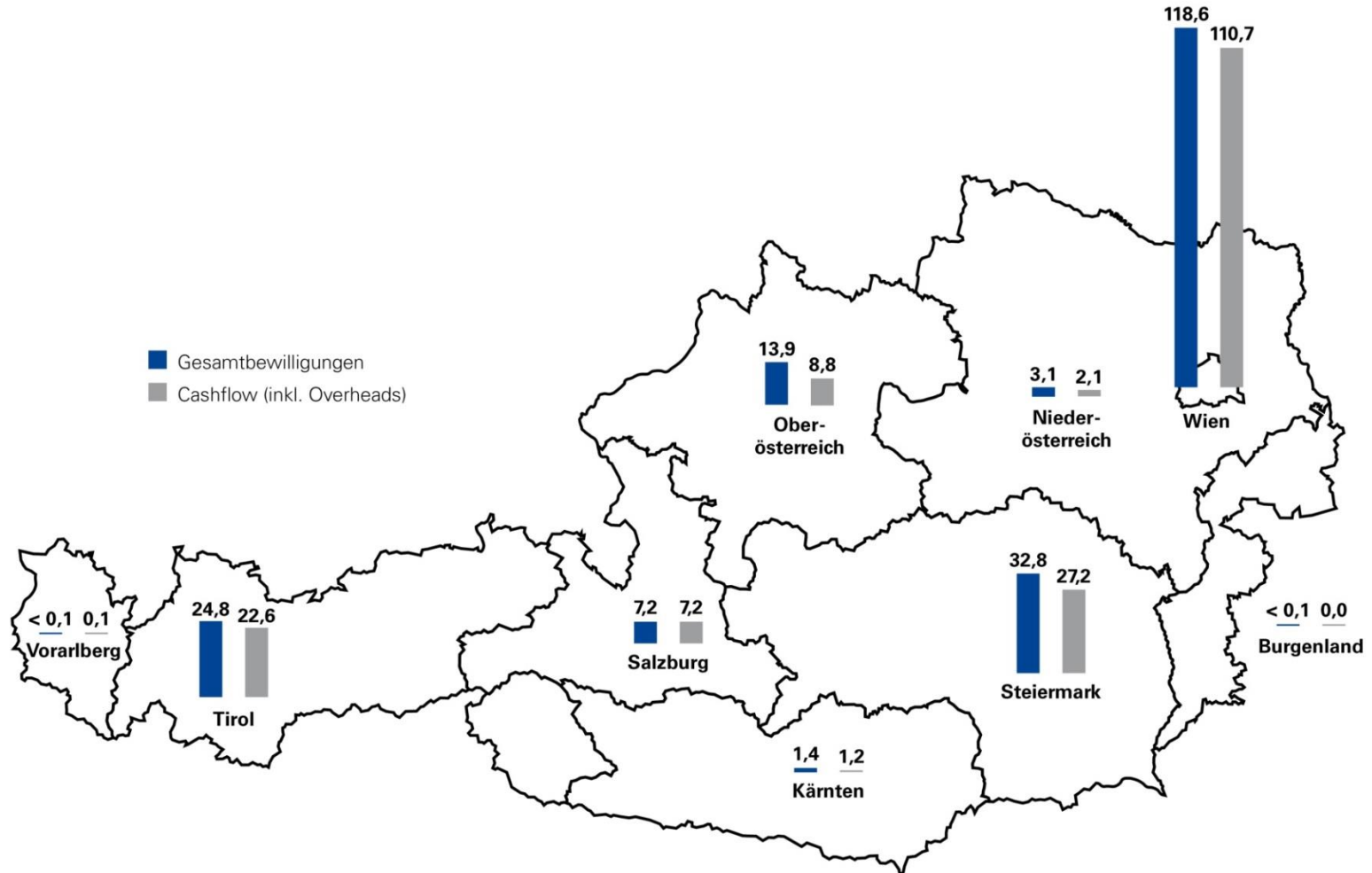
## Bewilligungssumme 2010-2014 Mio. €

	Univ. Innsbruck	Med.-Univ. Innsbruck
Einzelprojekte (inkl. Klinische Forschung)	37,1	19,3
Internationale Programme	8,6	3,3
Schwerpunkt-Programme (SFB, NFN)	7,5	7,7
START-Progr. und Wittgenstein-Preis	6,9	
Doktoratskollegs	0,8	10,5
Internationale Mobilität	3,7	2,7
Karriereentw. für Wissenschaftlerinnen	2,9	0,6
Sonstige	2,8	0,7
Wissenstransfer	0,1	
<b>Gesamt Mio. €</b>	<b>70,5</b>	<b>44,8</b>

Neubewilligungen u. Verlängerungen bei Schwerpkt.-Progr./Dokoratskoll.



# Total funding amounts per federal province in 2013



**NEUES ENTDECKEN**

**TALENTE FÖRDERN**

**IDEEN UMSETZEN**

**WE STRENGTHEN  
SCIENCE AND THE HUMANITIES  
IN AUSTRIA.**