



**RISIS**



# Data Set Demo – Early Career Researchers Facility ProFile

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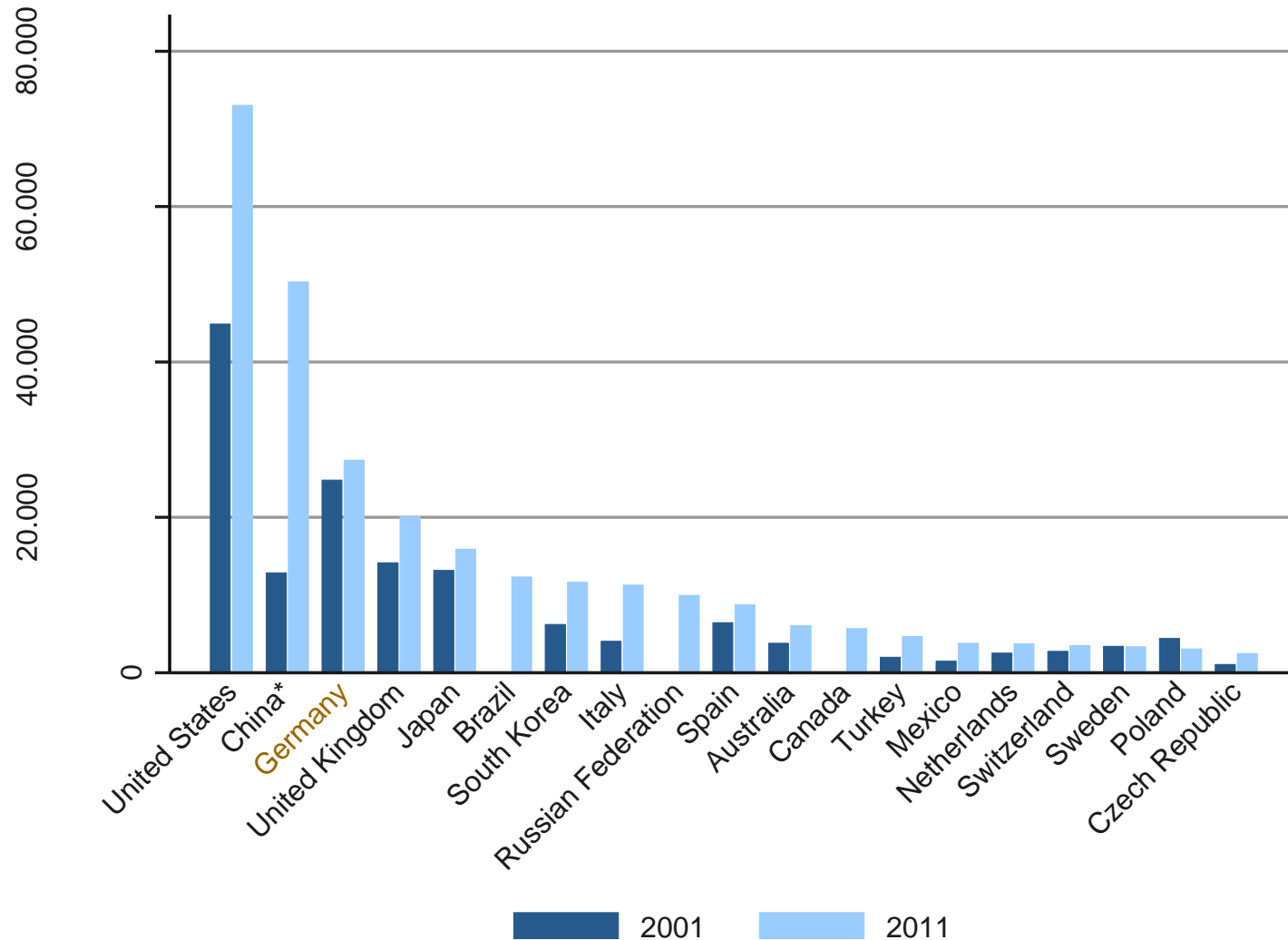
# Outline

1. Introduction to ProFile – Goals, History and Scope
2. Which research questions can be answered using the data?
3. How is the data set up?
4. How can you use it?

Example: Sequence Analysis

# Introduction to ProFile

# Background I: Number of Doctorates Granted



Quelle: Online Education Database – OECD. Datum der Datenziehung: März 2014  
eigene Berechnungen,

OECD + BRIC Staaten

# Objectives of the ProFile Study

- Monitoring and analysis of doctoral training conditions and careers of doctorate holders over time
- Regular information supply about conditions of doctoral training from a comparative perspective (main dimensions: disciplines, institutions)
- Regular reports for participating institutions on the quality of support for doctoral candidates and the effect of training conditions

# Census of Doctoral Candidates at Participating Institutions



DFG funded facilities  
(CRCs, RTGs, Graduate  
Schools)

## Universities



RUPRECHT-KARLS-  
UNIVERSITÄT  
HEIDELBERG



Leibniz  
Universität  
Hannover



JOHANN WOLFGANG GOETHE  
UNIVERSITÄT  
FRANKFURT AM MAIN



Universität Jena

U N I K A S S E L  
V E R S I T Ä T



HEINRICH  
BÖLL  
STIFTUNG



Studienstiftung  
des deutschen Volkes



Deutscher Akademischer Austausch Dienst  
German Academic Exchange Service

Scholarship providers for  
outstanding young  
researchers and  
foundations

# Cooperation with Important Stakeholders

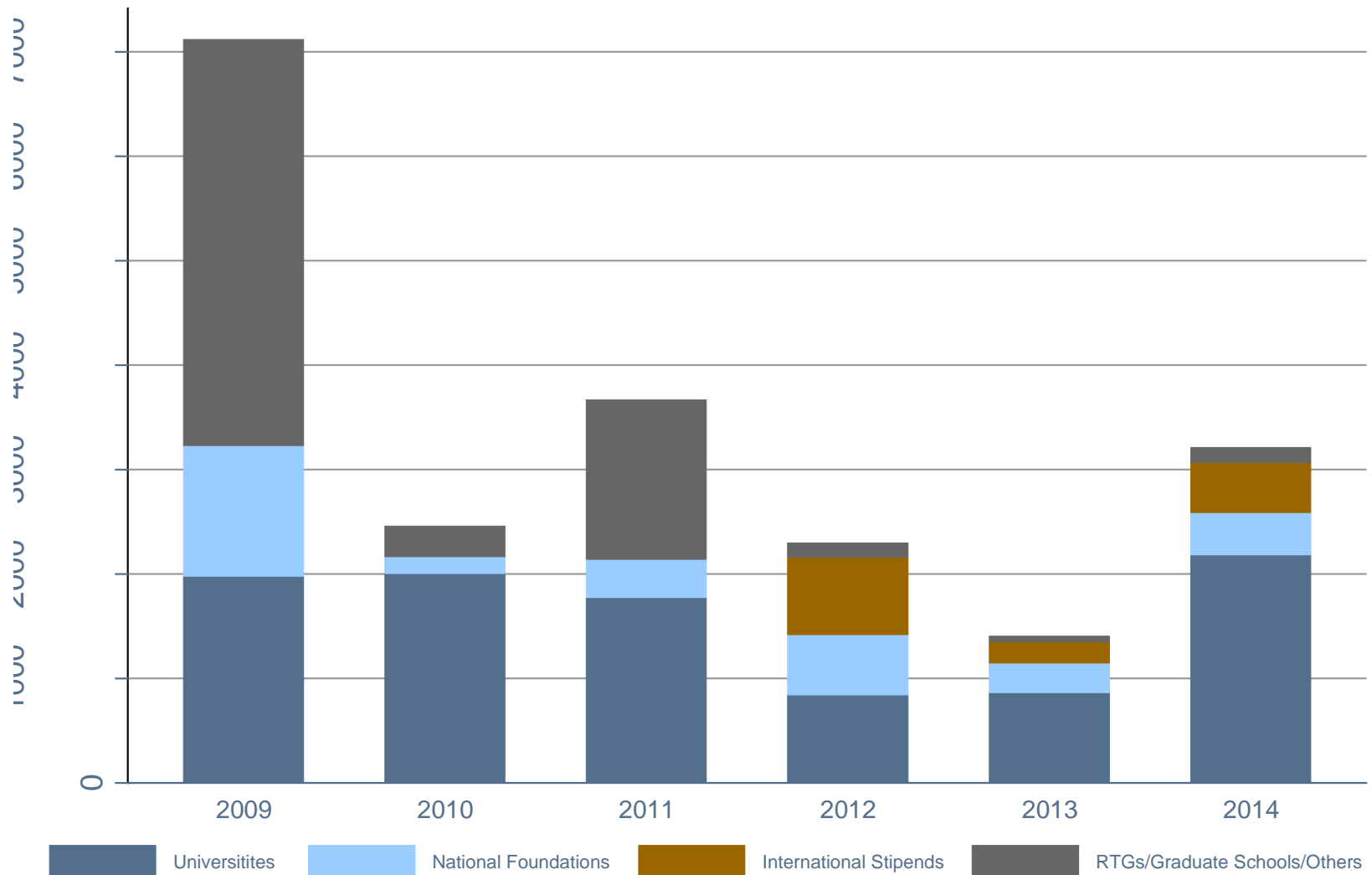
- Cooperation agreement between ProFile and various universities, graduate schools, DFG (until 2012), DAAD, foundations supporting doctoral candidates
  - ✓ Spectrum of important stakeholders are involved
- Content of agreement - mutual responsibility:
  - Partnering organization: deliver contact data of all doctoral students to ProFile every year (census at institutional level)
  - ProFile: provide partnering organization with annual report about quality of doctoral training compared to all other partnering organizations (“benchmarking”)
    - ✓ mutual benefit

# Set up and Scope

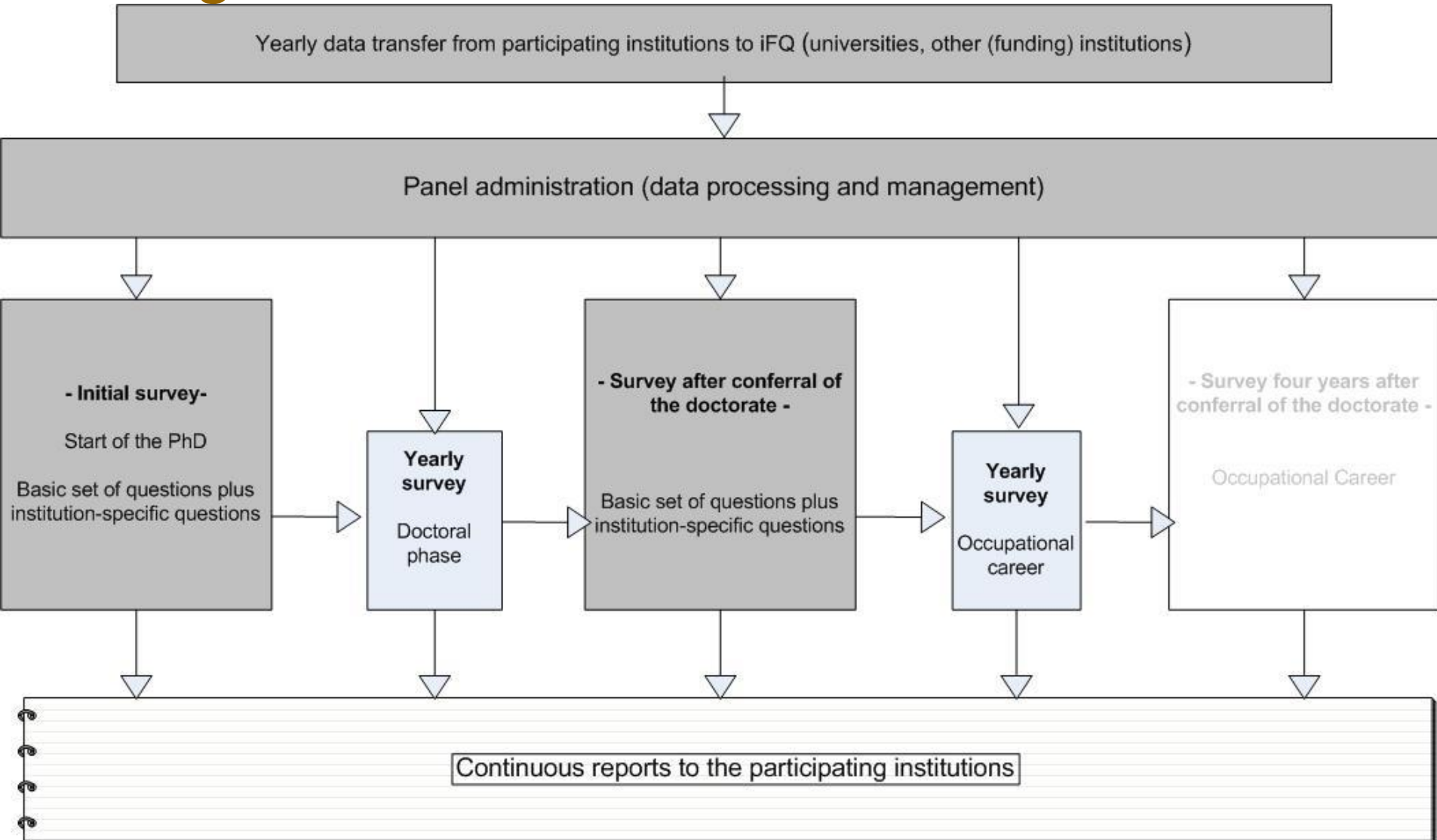
- Longitudinal design (surveys ongoing since 2009)
  - unique in Germany
- Online Survey
  - Yearly surveys from beginning until completion of doctorate
  - Follow up surveys after conferral of the doctorate
- More than 15,000 panelists from all fields\* including 2,800 doctorate holders ready for analysis



# Yearly additions to the Panel



# Study Design – event triggered questionnaire assignment



# Study Design – Surveys conducted so far

- Annual initial surveys, ongoing since 2009
- Starting from 2010, annual intermediate surveys between initial survey until survey after conferral of the doctorate (5 surveys so far)
- Follow-Up survey to assess occupational career after conferral of the doctorate (2015)
- Event triggered questionnaire

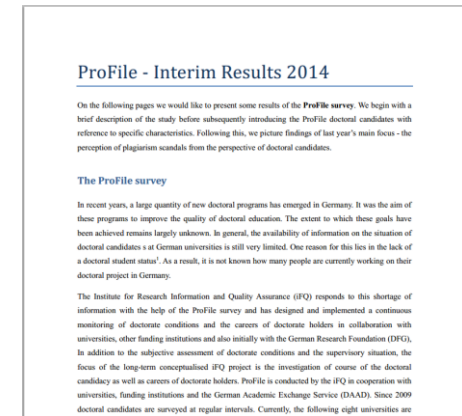
# Output – Reports (Selection)



Comprehensive working Paper  
(public but in German)



>60 reports to  
clients/partners (internal)



Interim results for  
respondents (public)

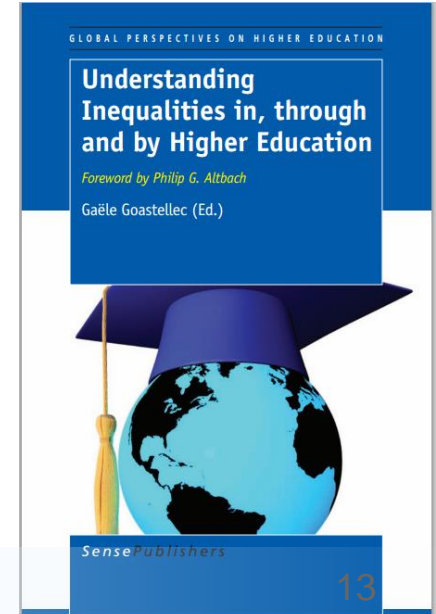


Chapter in national report  
on junior scholars (public)

# Output - Selected Publications



	IHFBayerisches Statistisches Institut für Hochschulforschung und Hochschulplanung
	Beiträge zur HOCHSCHULFORSCHUNG
	2   2010
	Von Götz/Heidler/Jansen: Chancen für neue Forschungslinien
	Bauer et.al.: Entwicklungsverläufe im Lehramtsstudium
	Sedlmeier et.al.: Bachelor und Master in der Psychologie
	Hauss/Gerhardt/Mues: Unterbrechung von Promotionsvorhaben



**Analytic Potential – Which research questions can be addressed using the ProFile data?**

# Analytic Potential - I

Assessed once for every panelist	Assessed multiple times during the doctorate
Discipline (open ends)	Conditions of supervision, membership in structured program
Gender, Age, Nationality, Citizenship	Courses attended
Social background	Conference participation
Personality (Big Five)	Publications, grant applications
Willingness to take risks	Career intentions
Educational biography	Stays abroad/mobility
Motivation to start working on the doctorate	Skills and competences
Reasons for choosing the specific university	Partnership, Children

# Analytic Potential - II

Assessed for doctorate holders	Transitions/Duration
Thesis grade	Within the edcational biography (e.g. from higher education entrance qualification until beginning of the doctorate)
Job search and job offers during the doctorate	Between different episodes of financing during the doctorate (e.g. after a scholarship)
Thesis by publication	After conferral of the doctorate into first job (occupational placement in academia)
Retrospective assessment of conditions during the doctorate	Elapsed time for working on the doctorate



## Analytic Potential - III

Sequence data (on monthly basis)

- Sources of financing during the doctorate (also parallel episodes)
- Periods of interruptions while working on the dissertation
- Research stays abroad and in Germany

# Analytic Potential (as Regards Methods)

- Descriptive analysis
- Regressions/panel regression
- Event history analysis
- Sequence analysis
- Cluster analysis
- Multilevel analysis (e.g. disciplines)
- Matching with other institutional/aggregated data
- ...

**Start the analysis Jakob**

# Data Structure – How is the data set up?

## Data structure – Long Format

ID	Questionnaire	Year	Status of Doct.	Uni/Fou ndation	Year of Birth	Gender
1	Initial Survey	2009	11	1	1985	1
1	Intermediate	2010	11	1	-	-
2	Initial Survey	2011	11	2	-	2
2	Intermediate	2012	12	2	1982	-
2	After Conferral	2013	13	2	-	-
2	Follow Up Occupational Career	2015	-	-	-	-

# Data Use – How can you use the data?

# Data Use

- SUF will be finalized by July 2015
- On-site use at iFQ for interested guest researchers
- Terms of use

# Thank you for your Attention!

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