Proper vertex colloring on Graphs(r,l)

Matheus S. D'Andrea Alves, Uéverton dos Santos Souza

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Who am I

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Introduction

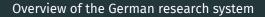
Introduction

- Germany has one of the largest research systems in the OECD
- there are nearly 1,000 public funded institutions of science, research and development in Germany

Introduction 2

image

Overview of the German research system



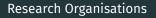
Distribution of budget on different sectors

Overview of the German research system

Public funding for different aspects of research is organised in one of three ways:

- · From federal sources (e.g. project funding);
- From state sources (e.g. institutional funding for higher education institutions, state R&D institutions);
- Jointly from federal and state sources according to agreed formula (e.g.institutional funding of public research institutes of national significance; project funding for universities; categories of research infrastructure).

Research Organisations



Overview of research-performing organisations in Germany

Research Organisations

Public research institutes

Public research institutes

Public research institutes are organised into four large networks:

- The Max Planck Gesellschaft (MPG)
- The Fraunhofer Gesellschaft (FhG)
- The Helmholtz-Gemeinschaft Deutscher Forschungszentren (HGF)
- The Wissenschaftsgemeinschaft Wilhelm-Gottfried-Leibniz (WGL)

Research Organisations

Research Activities

Research Activities

image

Research Funding System

Funding types in Germany

· Government Funding

 more than 390 public universities and colleges are funded by the Länder.

· The European Funding

· The Industrial Funding

 In 2012, German companies spending amounted to a total of 2.5 billion euros.

image Figure Shows the collaboration between the federal and states governments.

4,000 international graduates complete their doctorate in Germany every year.

- five reasons to do your PhD in Germany:
 - 1. Outstanding reputation of German doctorate
 - 2. Strong international focus: PhD in English
 - 3. Good funding opportunities
 - 4. Excellent research infrastructure
 - 5. High standard of living

Ways to do th PHD in Germany

Ways to do the PHD in Germany

1. Individual Doctorate

- Involves the thesis produced under the supervision of a professor.
- $\boldsymbol{\cdot}$ Three to five years are normal.

2. Structured PhD Programs

- · A team of supervisors look after a group of doctoral students.
- The duration of studies is limited to three years.

Computer science

Computer science

programs and organizations each PhD student should know :

1. Bitkom

· Represent more than 2,300 companies in the digital economy.

2. BMBF

· Drives more than 80 per cent of innovations in Germany.

3. Action Program iD2010

 Coordinates funding programs, to ensure that the information society can develop further.

Funding PhD in Germany

Funding PhD in Germany: Costs of Study

image

How much "normal students" spend per month in Germany.

Funding Models

In 2012, DAAD supported over 4,700 international doctoral students in Germany with scholarships.

1. SCHOLARSHIPS

2. RESEARCH ASSOCIATE JOBS

 As a rule, doctoral candidates work at the chair of their supervising professor as research associates with temporary part-time contracts.

3. SIDE JOBS OUTSIDE RESEARCH

Funding Databases

1. DAAD Scholarship Database

 German Academic Exchange Service (DAAD) is the largest awarder of scholarships.

2. EURAXESS Funding Database

 Comprises more than 100 programs offered by funding organizations in Germany.

3. Stipendienlotse

• Is the database of the Federal Ministry of Education and Research (BMBF)

Conclusion

Conclusion

- Research in Germany is characterised by an excellent infrastructure, a wide variety of disciplines, well-equipped research facilities and competent staff.
- Germany offers various forms of research locations: universities, non-university institutes, companies and institutions run by federal or state ("Länder") authorities.
- There are more than 800 publicly funded research institutions in Germany, plus research and development (R&D) centres run by companies.