

Mechanisms for International Collaboration:

Internationalizing a Program in Computational Neuroscience

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NSF-NIH-BMBF-ANR Joint Program

Collaborative Research in Computational Neuroscience

<http://www.nsf.gov/crcns>

- ◆ Computational neuroscience, inclusively defined encompassing many approaches and goals; related to biological processes; disease and normal function; theory, modeling, and analysis; implications for biological and engineered systems
- ◆ ***Innovative, collaborative, and interdisciplinary*** to make significant advances on important hard problems, and to develop research capacity/capabilities

Research Proposals describing collaborative research projects, **Data Sharing Proposals** to support preparation and deployment of data and other resources, **US-German and US-French Proposals** describing international collaborative projects to be funded in parallel.



Bundesministerium
für Bildung
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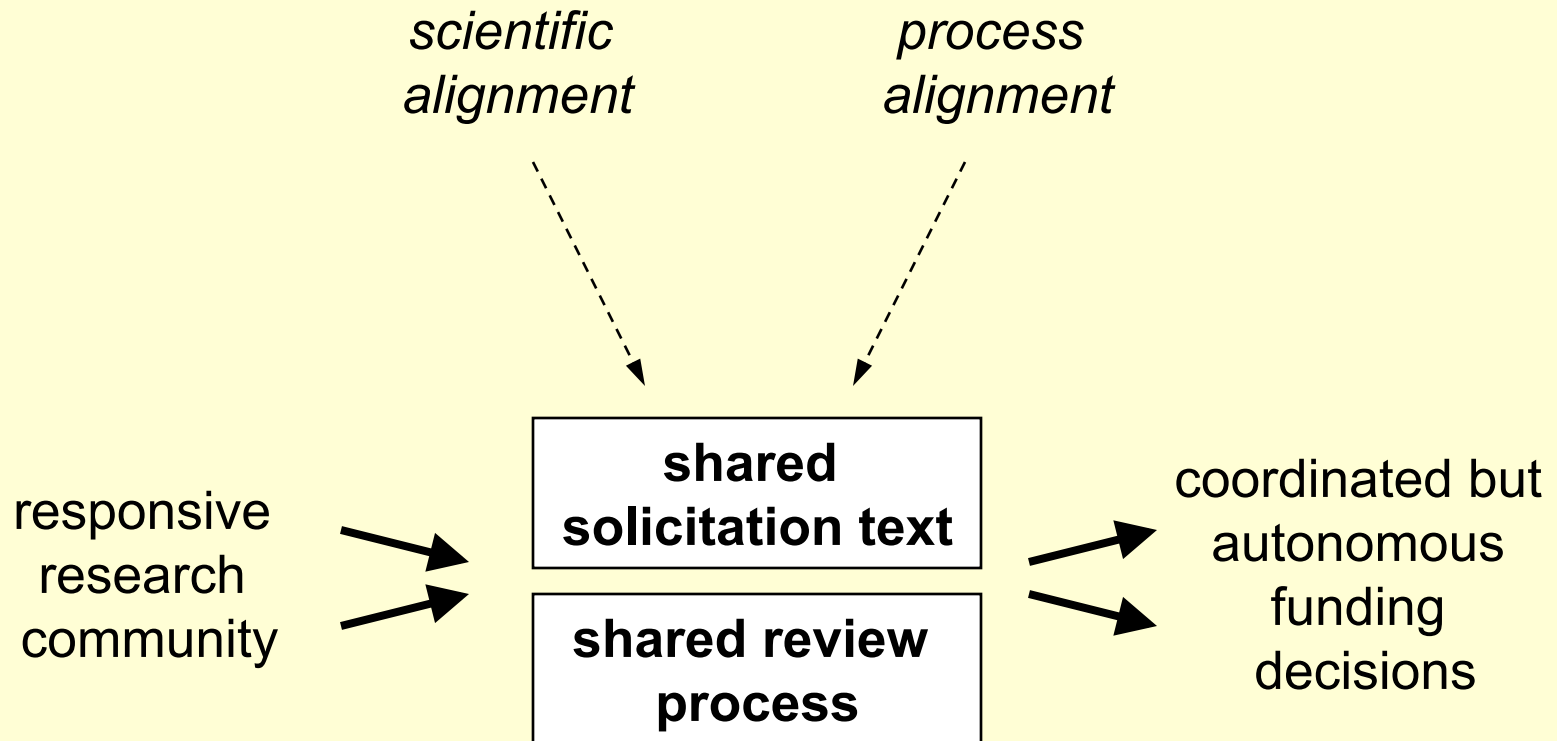
AGENCE NATIONALE DE LA RECHERCHE
ANR

What we started with

- ◆ emerging scientific area in need of interdisciplinary collaboration
- ◆ alignment of NSF and NIH scientific interests and administrative processes (2002-)
- ◆ PI interests in international collaboration
- ◆ discussion of common funder interests among the US, Germany (2005-), France (2009-), and others
- ◆ development of compatible processes



Our current model



Development over time



NSF-NIH
solicitation

NSF-NIH
BMBF
solicitation



Bundesministerium
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Bernstein
centers

US-DE
workshop

NSF-
BMBF
Dear
Colleague
Letter



ANR
established

US-FR
workshop

NSF-ANR
Dear
Colleague
Letter

2002

2004

2008

2010

2011

2013

Results so far

- ◆ >20% of proposals are international
- ◆ expected and unexpected scientific benefits
- ◆ opportunities for US students, post-docs, and junior faculty
- ◆ learning by funders

