Dagstuhl Seminars, Shonan Meetings

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Leibniz
Leibniz-Gemeinschaft

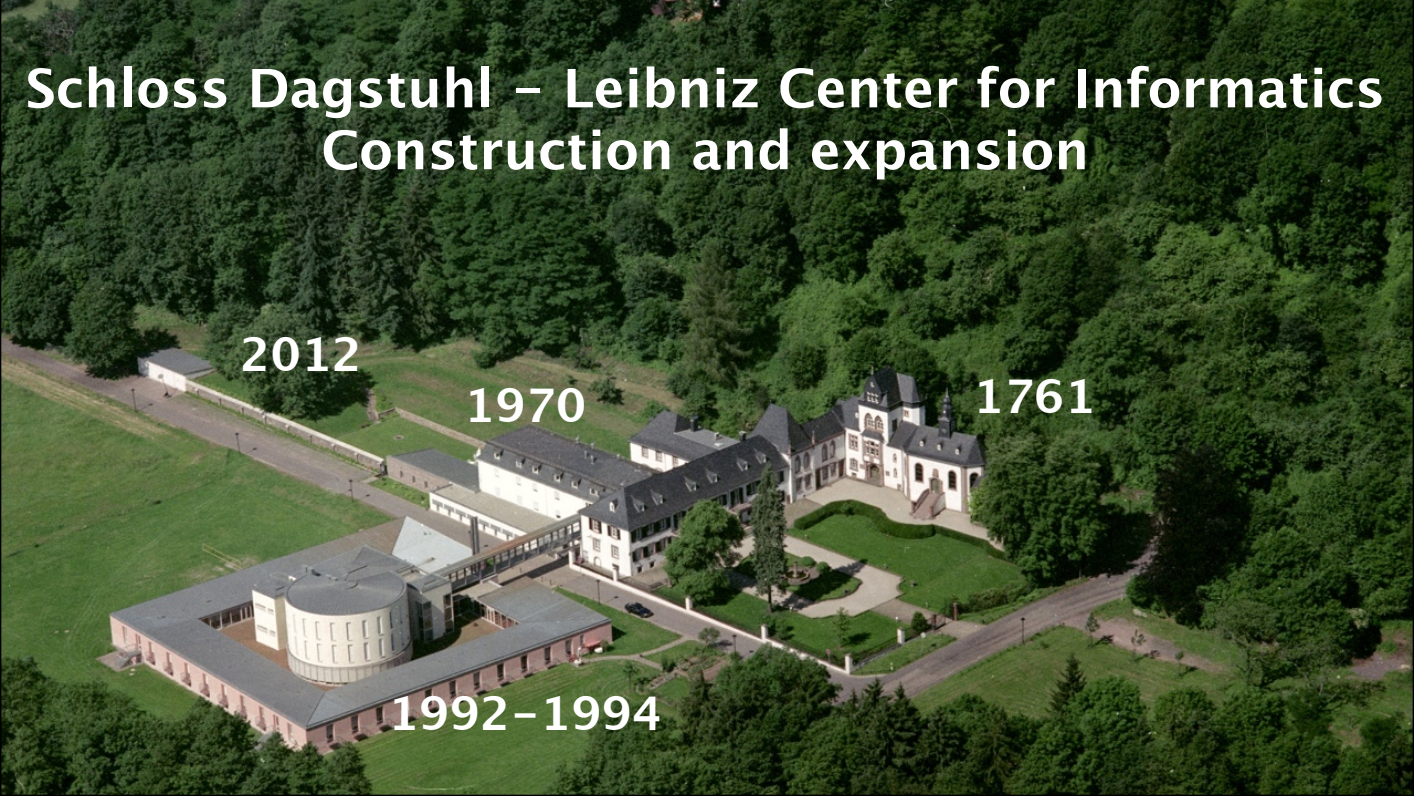
Before Dagstuhl was Dagstuhl...

Fortress
13th–18th centuries

von Sötern mansion
18th century

de Lasalle family mansion
19th and 20th century

Schloss Dagstuhl – Leibniz Center for Informatics
Construction and expansion



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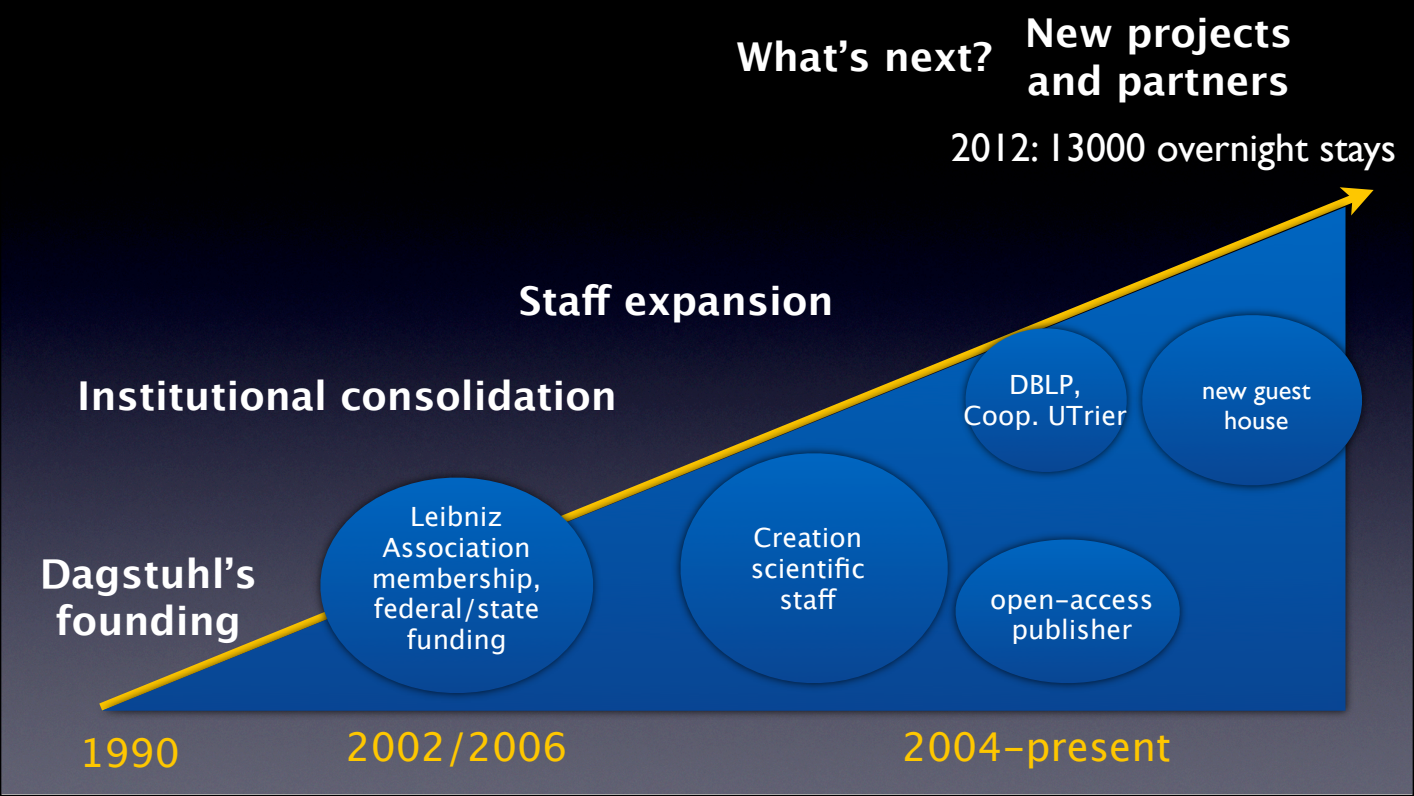
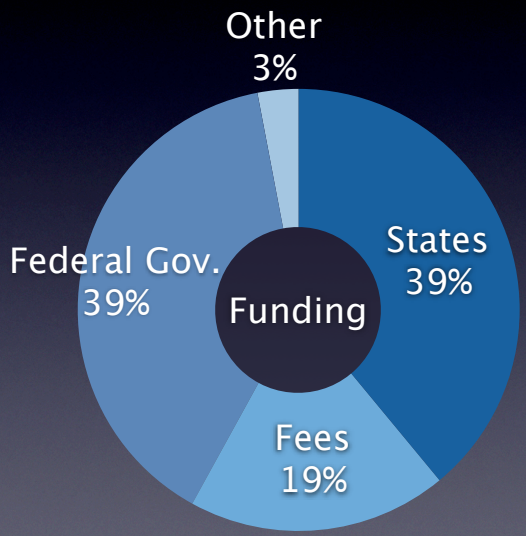
- TU Darmstadt
- Universität Trier
- Universität Stuttgart
- Universität Frankfurt
- KIT Karlsruhe
- TU Kaiserslautern
- Max Planck Gesellschaft
- INRIA France
- CWI Netherlands


What's next?
New projects and partners
2012: 13000 overnight stays
Staff expansion
Institutional consolidation
Dagstuhl's founding
Leibniz Association membership, federal/state funding
Creation scientific staff
DBLP, Coop. UTrier
new guest house
open-access publisher
1990
2002/2006
2004-present

ACM Turing Award Winners at Dagstuhl

O.-J. Dahl	R. Karp	M. Rabin	A.C. Yao
R. Rivest	D. Knuth	J. Hartmanis	E.W. Dijkstra
D. Scott	R.E. Stearns	A. Pnueli	E.A. Emerson
T. Hoare	R. Milner	A. Shamir	F. Brooks
W. Kahn	P. Naur	B. Lampson	E.M. Clarke
L. Valiant			

Funding



Dagstuhl's Happy Diner Problem

What is the minimum number of meals so that each of n conference participants can share at least one meal with every other participant when eating at tables of at most t persons? Are there simple algorithms approaching this minimum number?

– found on Sarah Holiday's Problem Page
attributed to Maurice Queyranne

Scientific Program

- Dagstuhl Seminars (state-of-the-art research)
- Dagstuhl Perspectives Workshops (reflections about research agenda)
- Summer Schools, GI-Dagstuhl Seminars, Workshops
- Project Meetings, Research Visits
- Publications (open-access publication of proceedings, journals)

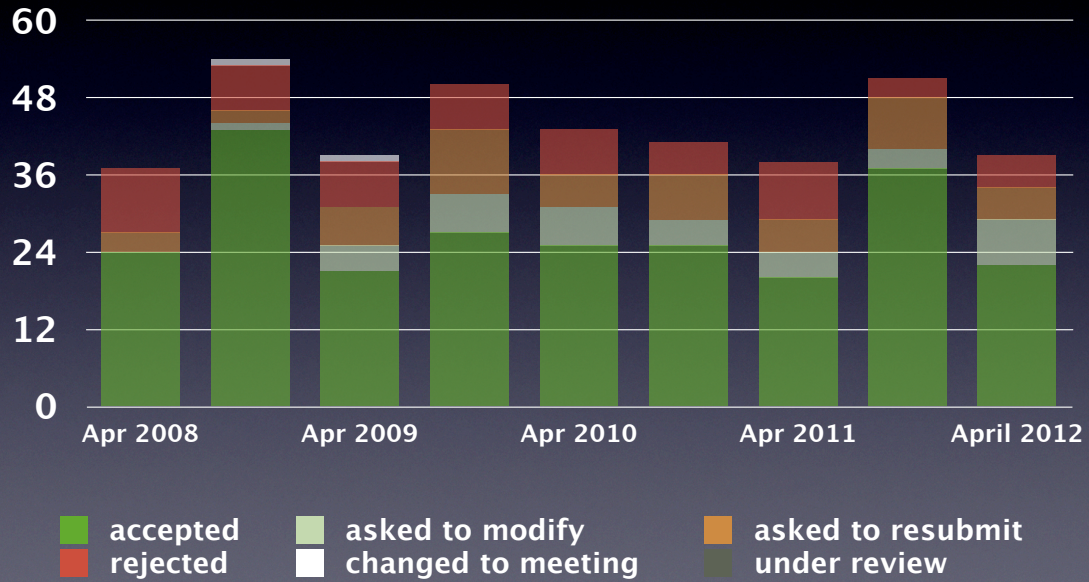
Dagstuhl Seminars

- 35–50 scientists (25% junior), by invitation only
- 3–5 days at Dagstuhl
- open program where ideas and ongoing work take center stage
- seminars are selected from proposals

Some statistics....

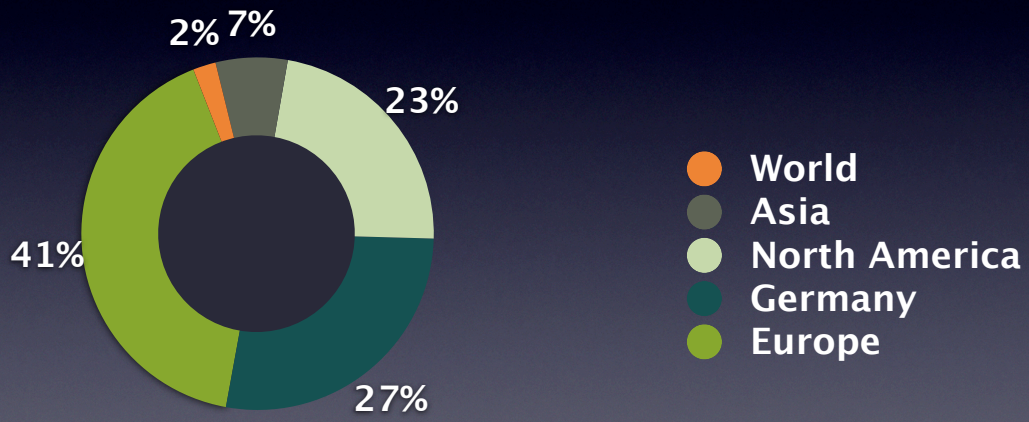
Seminar Proposals

by submission deadline



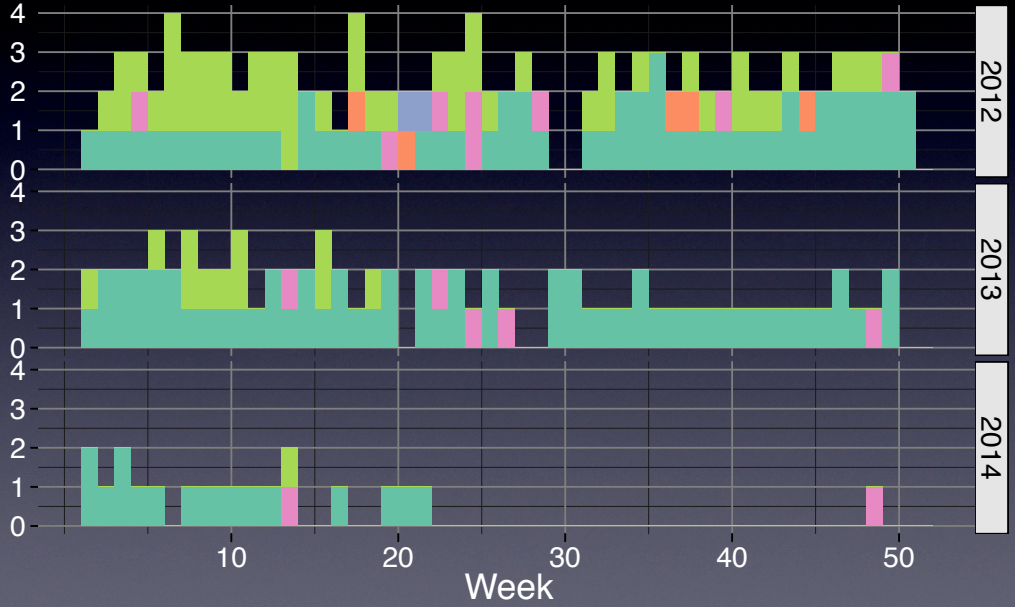
Internationality

Origin of participants of Dagstuhl Seminars and Perspectives WS in 2011



Schedule

as of September 2012



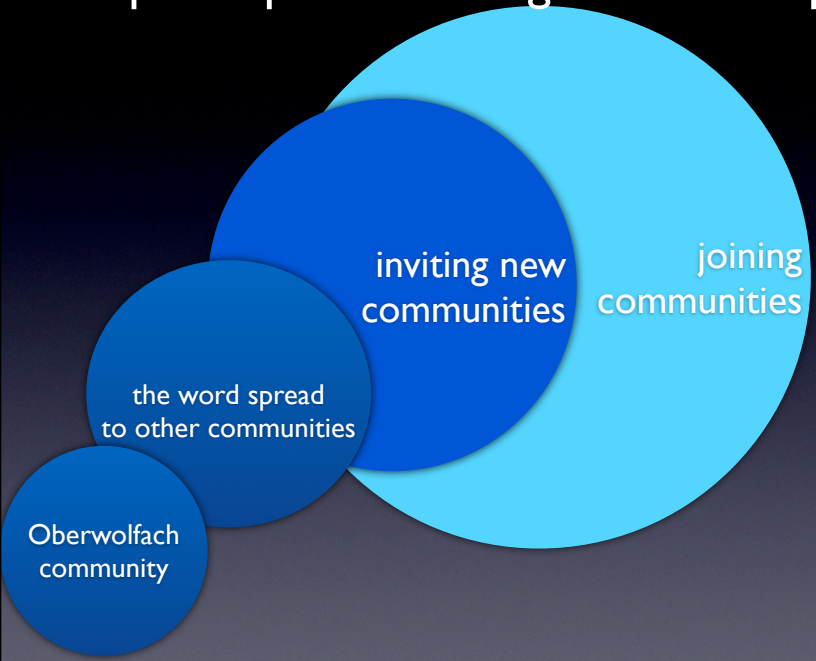
The Dagstuhl Concept

A “research monastery”

Why does Dagstuhl work?

- Fostering **communication** – inter-personal, not computer-mediated
- Creating an atmoshere of **trust** – no keys, consumption with self accounting
- Guaranteed **quality** – trying to estimate the potential of proposals
- Achieving **interdisciplinarity**

How participation in Dagstuhl developed



Dagstuhl's Scientific Program: Two examples

"The Constraint Satisfaction Problem: Complexity and Approximability" (Dagstuhl Seminar 12451), November 4-9, 2012

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"Publication Culture in Computing Research" (Dagstuhl Perspectives Workshop 12452), November 6-9, 2012

Limitations and challenges

- **Non-communicating** communities – high on economic incentives, low on mutual trust
- The **traveling-researcher** problem – has one project review each week
- **Short-sightedness** in industry – D more important than R
- Wars, terrorism, ash clouds, earth quakes, ...

Can Dagstuhl be successfully copied?

- Dagstuhl‘s full schedule, long lead time – there is room for another instance
- Point to the proof of concept
- Build on regional area strongholds – enough in Asia
- Exploit researchers‘ curiosity
- So, why not?

Schloss Dagstuhl is member of the Leibniz Association, an association of 86 independent research organization in Germany.

SCHLOSS DAGSTUHL

Leibniz-Zentrum für Informatik