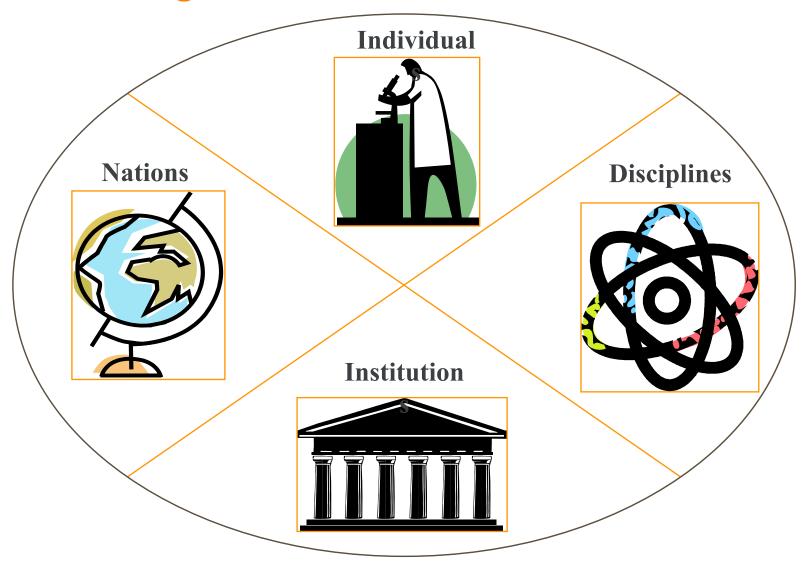


Driving innovation in the right direction: critical role of analytical and information systems in innovation management

Endre Beky, Regional Director for EU and Russian Federation

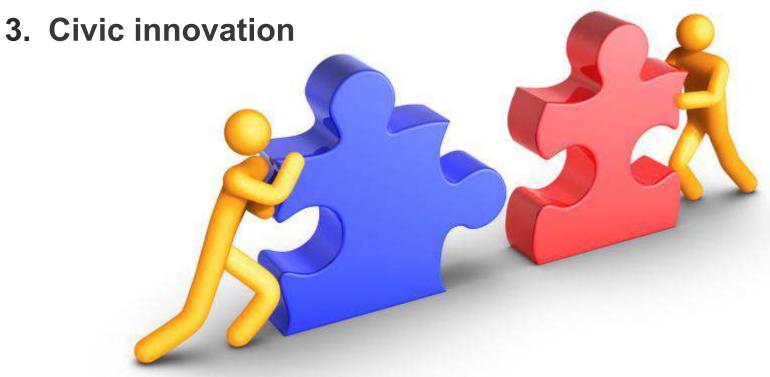
Enformation Conference, Timisoara, Romania October 29th, 2015

Dissolving boundaries in research



Outcomes of cross-sector collaboration

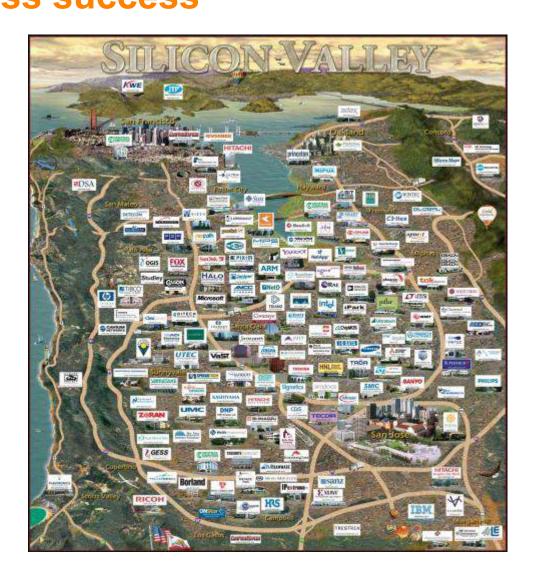
- 1. Business success
- 2. Social good



Outcome #1: Business success







Sources: Cloudfront.net, Techfluff.tv

From article to enterprise



Contants lists available at SciVerse ScienceDirect

Computer Networks

journal homepage: www.elsevier.com/locate/comnet



Google



Sources: PicPicX, Wikimedia Commons

Reprint of: The anatomy of a large-scale hypertextual web search engine

Sergey Brin, Lawrence Page

Computer Science Department, Visigland University, Stanford, CA 9404S, USA

ARTICLE INFO

Article Natory: Available soline 23 October 2012

Egword; World Wale With Search engines Information retrieval Pagerank Congle

ABSTRACT

In this juager, we present Google, a periotype of a large-scale starch engine which makes heavy use of the structure present in hyperiest. Google is designed to crossl and index the Web efficiently and pendoce much more satisfying starch results than existing systems. The presurpay with a full text and hyperlink database of at least 34 million pages to available at http://poople.nats/ind-ads-

To engineer a search engine is a challenging tasis, Search engines index tens to hundreds of millions of web pages involution a comparable number of distinct terms. They amount tens of millions of queries every day, Despit the importance of large-scale search engines on the web, very little academic research has been done on them. Furthermore, due to enabl advance in technology and web proliferation, creating a web search engine today is very different from 3 years ago. This pages provides an in-depth description of our large-scale web search engine – the first such detailed public description we know of to date.

Apart from the problems of scaling traditional search techniques to data of this magnitude, there are new technical challenges involved with using the additional information present in hypertest to produce better search results. This paper additioned this question of how to build a practical large-scale system which can exploit the additional information present in hypertest. Also we look at the problem of how to effectively deal with unconteolled hypertest collections, where amone can publish anything they want.

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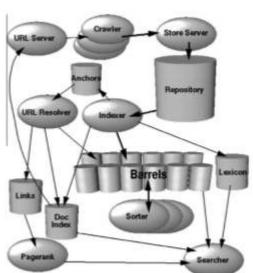


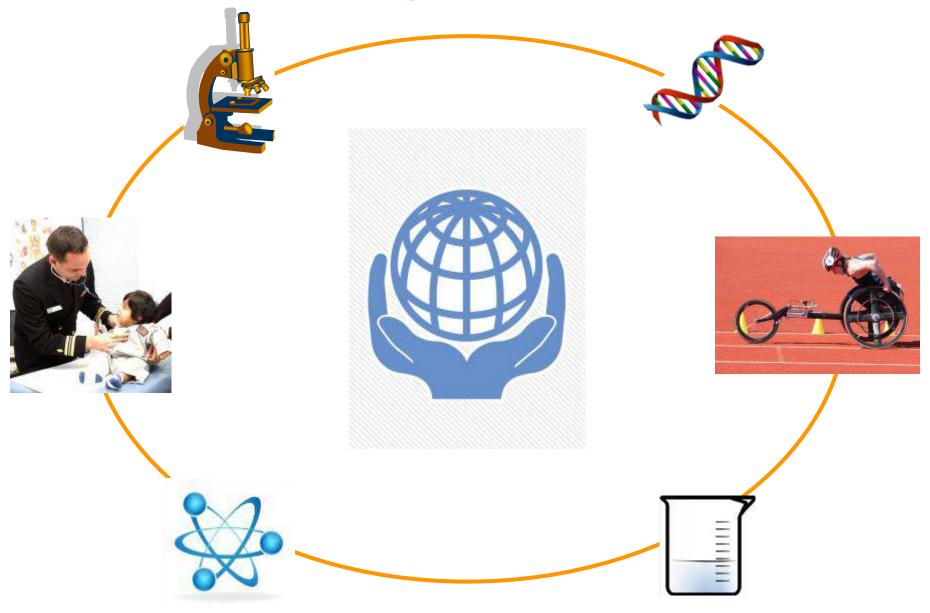
Fig. 1. High level Google architecture.



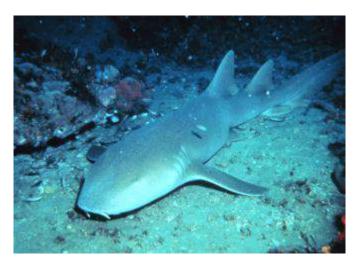
Fig. 2. Sample results from Google.

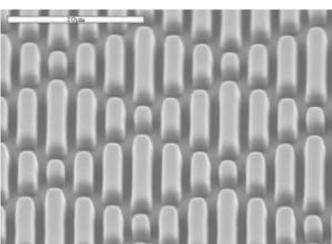
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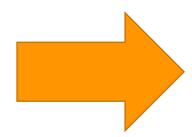
Outcome #2: Social good



Sharklet Technologies







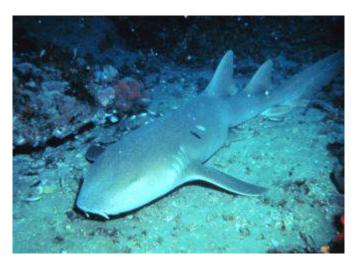


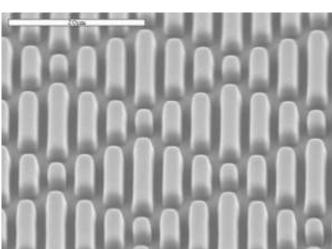


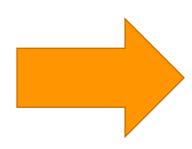


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Sharklet Technologies





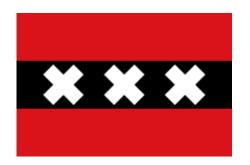








Outcome #3: Civic innovation











Mapping Research and Innovation:
Understanding Amsterdam's
Competitive Advantage; a
collaborative report from Elsevier,
UIN, and the City of Amsterdam

Source: Wikipedia, Urban Innovation Network

Strategies for collaboration

Know your collaboration landscape

Invest in institutional transparency

Make research more social

Strategies for collaboration

Know your collaboration landscape

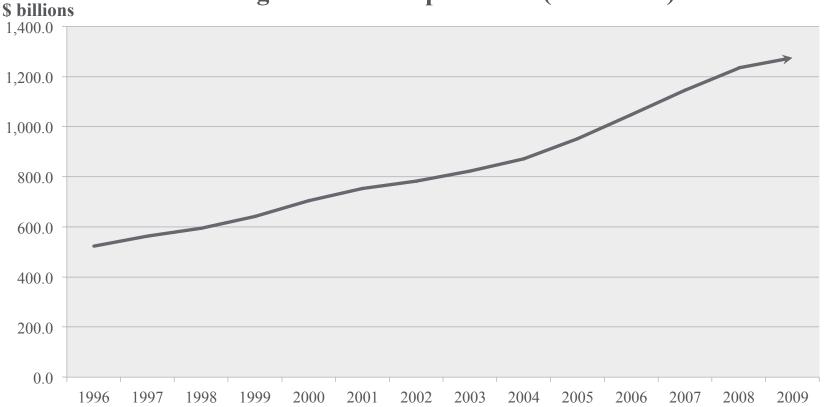
Invest in institutional transparency

Make research more social

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Global growth in R&D spending

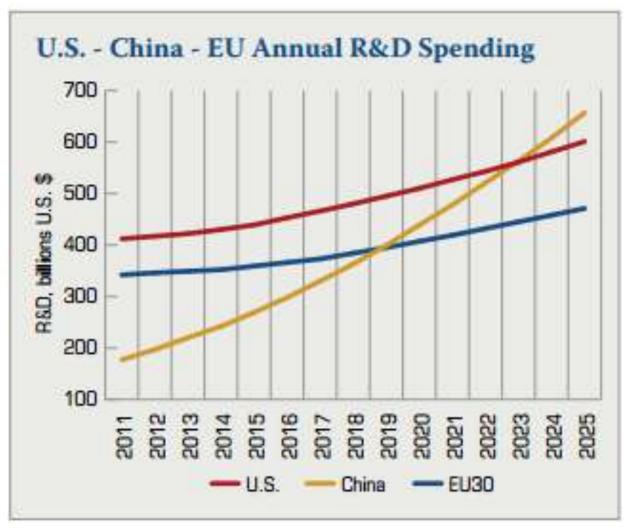




2014: \$1.6 trillion in Global R&D spending

Source: NSF Science and Engineering Indicators, 2012

Global big spenders



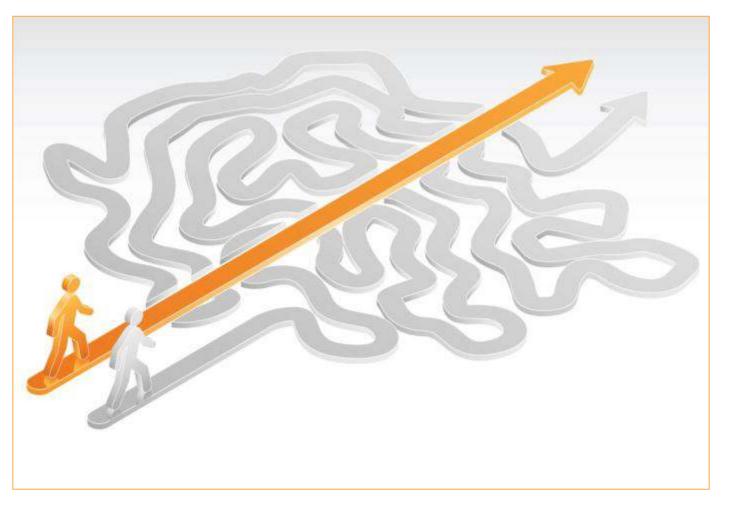
Source: Battelle and R&D Magazine's "2013 Global R&D Funding Forecast"

Building your collaboration roadmap

Established Relationships



New Relationships



SciVal

Data from 220 nations and 4,600 research institutions worldwide



Overview



Benchmark



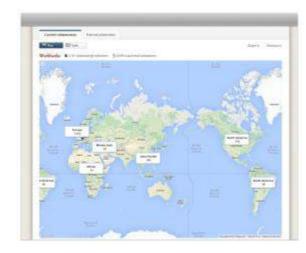
Snapshots of any selected entity



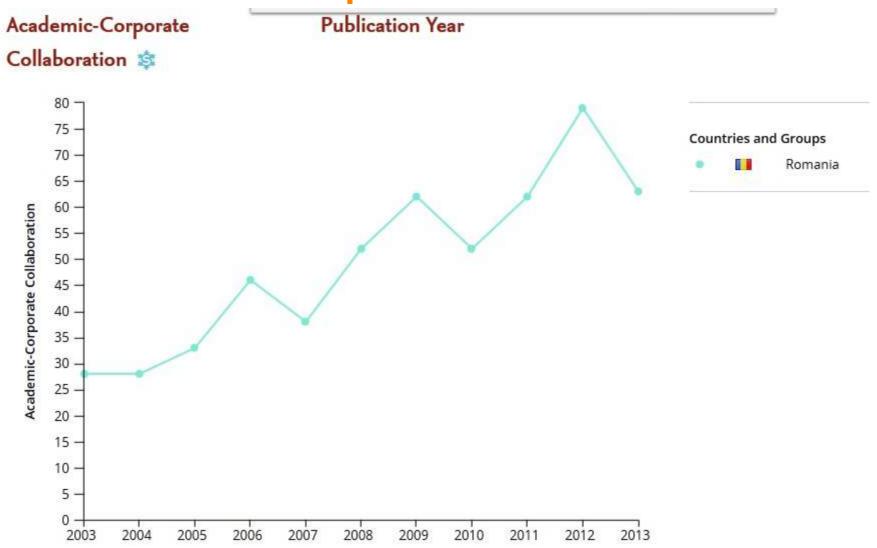
Create and compare groups of entities



Identify and analyze collaboration partners



Academic – Corporate collaboration



Academic – Corporate collaboration – Babes-Bolyai University

Institutions collaborating with Babes-Bolyai University



Difference in citation behavior - UBB

Publications at Babes-Bolyai University, by amount of international, national and institutional collaboration

	Metric		Publications	Citations	Citations per Publication	Field-Weighted Citation Impact
	International collaboration	43.1%	2,216	15,647	7.1	1.48
	 Only national collaboration 	14.8%	758	2,087	2.8	0.63
	Only institutional collaboration	27.9%	1,432	3,821	2.7	0.65
	Single authorship (no collaboration)	14.3%	734	1,191	1.6	0.63

Academic-Corporate Collaboration 🕸

Publications at Babes-Bolyai University with both academic and corporate author affiliations



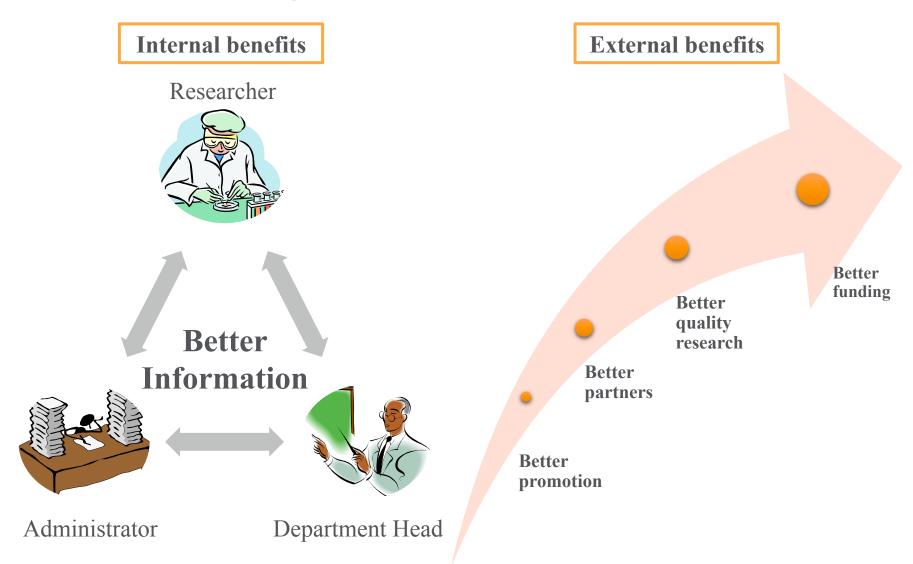
Strategies for collaboration

Know your collaboration landscape

Invest in institutional transparency

Make research more social

Transparency improves workflows



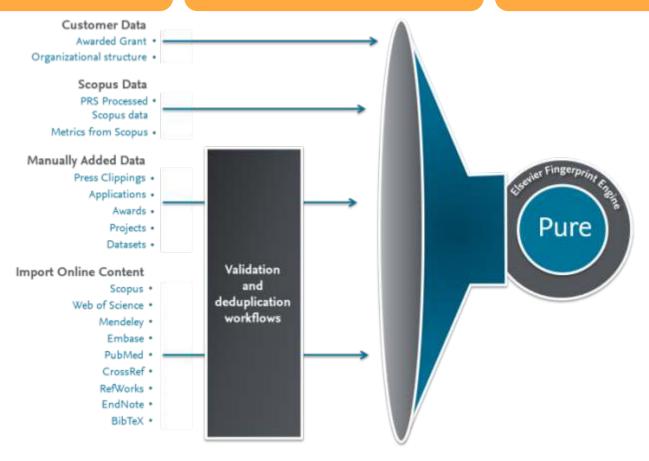


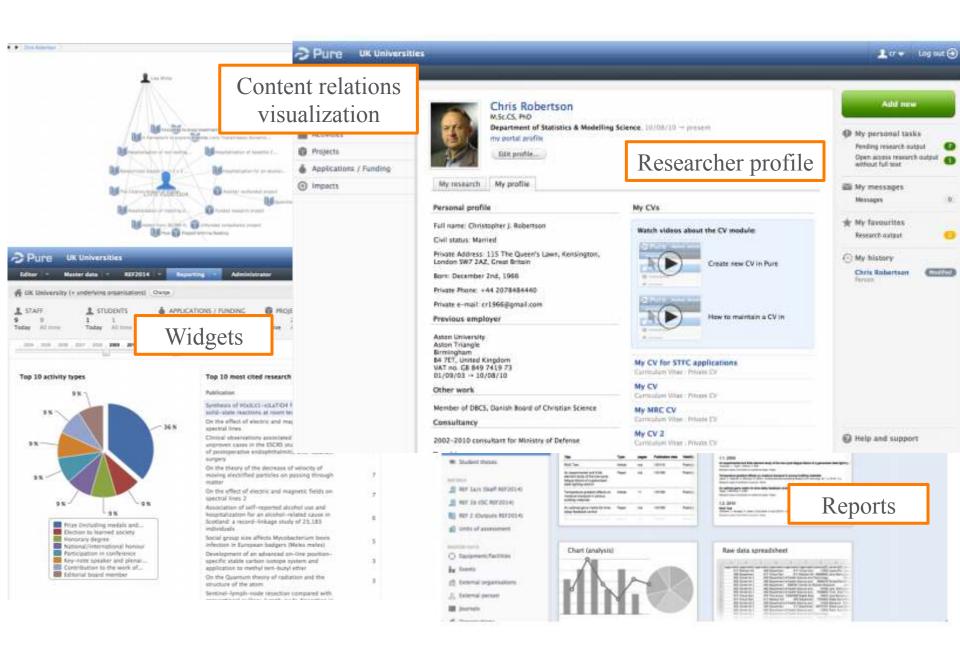
Attract ever more competitive funding grants





Identify the right research collaboration partners





Strategies for Collaboration

Know your collaboration landscape

Invest in institutional transparency

Make research more social

Social media and social networks







Search People, Research Interests and Universities





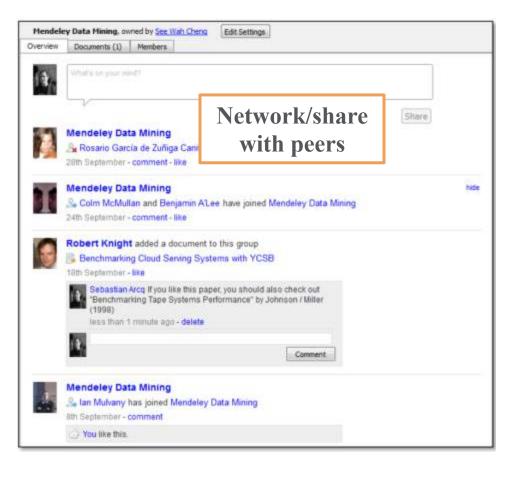


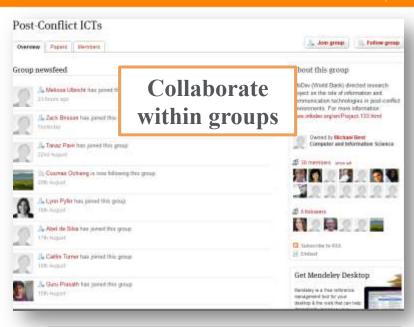


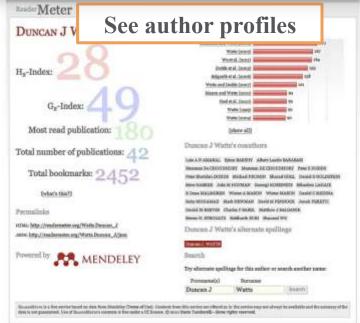


Mendeley









Start collaborating!



Thank you!

