

# Open Access at the Ruđer Bošković Institute

PASTEUR4OA Eastern European Meeting of Research Funders and  
Research Performing organizations - Working Together to Promote  
Open Access (OA) Policy Alignment in Europe

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dr. sc. Tome Antičić

Ruđer Bošković Institute Director

Tome.Anticic@irb.hr

dr. sc. Bojan Macan

Head of the RBI Library

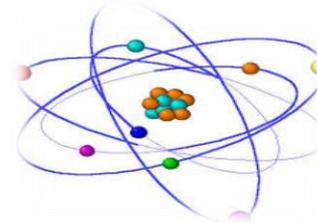
Bojan.Macan@irb.hr



# About the Ruđer Bošković Institute

- ▶ the largest Croatian research institute
- ▶ multidisciplinary science institute
- ▶ 82 research laboratory
- ▶ 14 research divisions
- ▶ 850 employees
  - ▶ over 500 researchers and scientists (6% of Croatian scientists)
- ▶ Croatia: R&D intensity – 0.81% GDP (in 2013); target: 1.4%

## PHYSICS



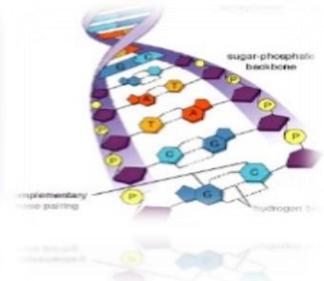
## ENVIRONMENT



## CHEMISTRY



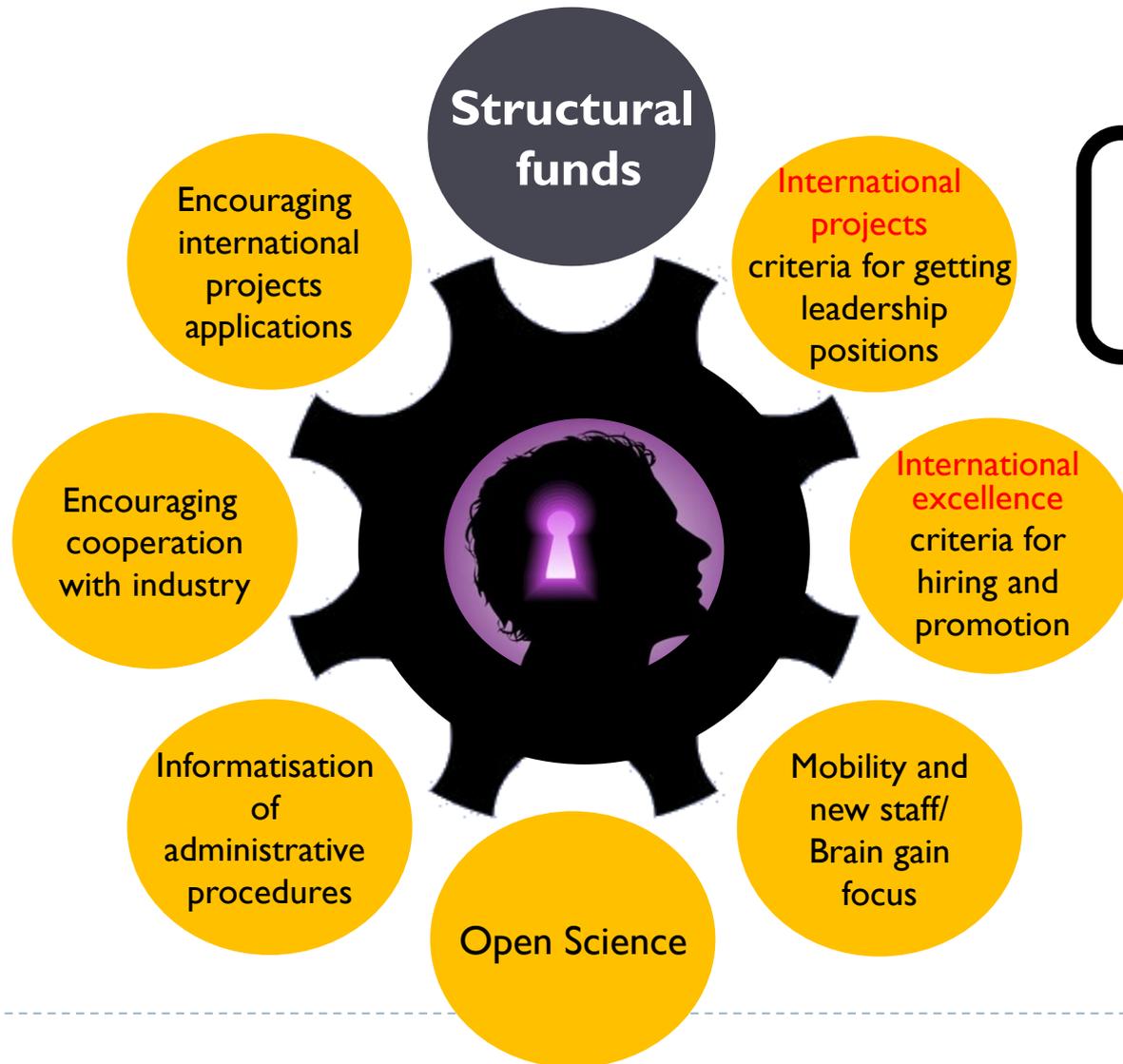
## LIFE SCIENCES



## ICT



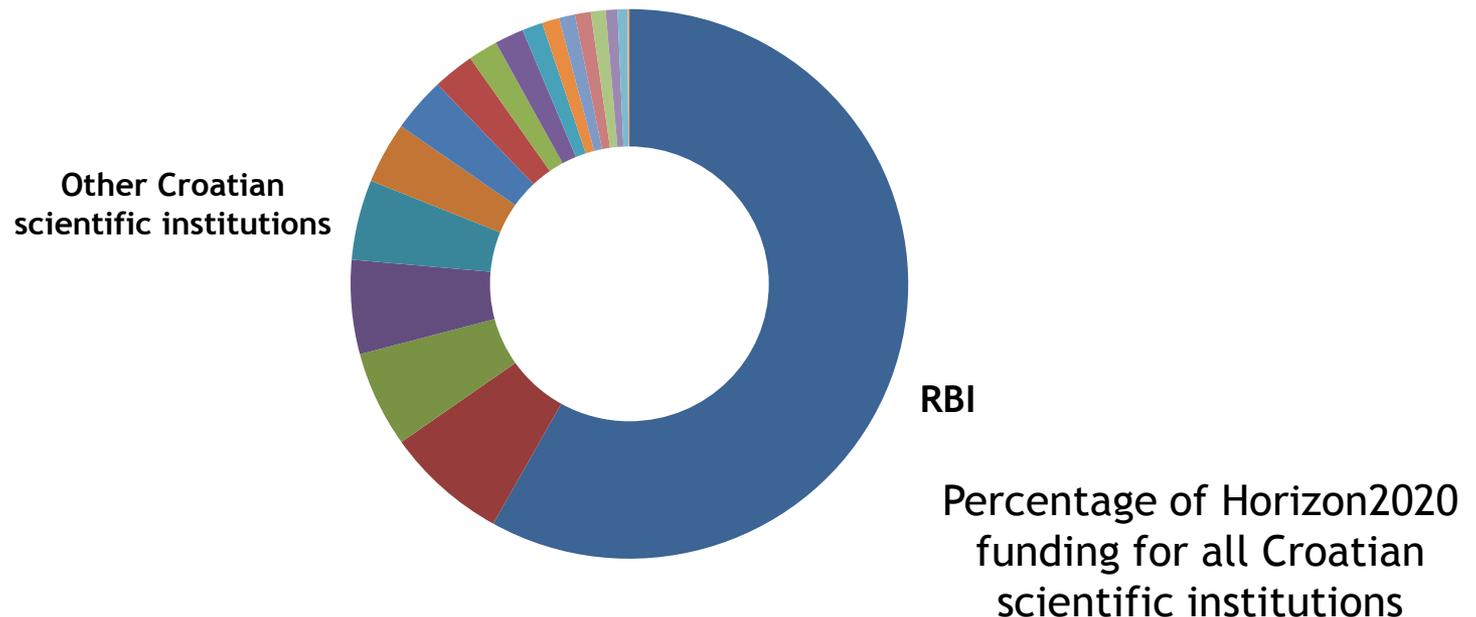
# RBI's long term strategy



Significantly different from standard policies in Croatia

# Collaboration on EU projects

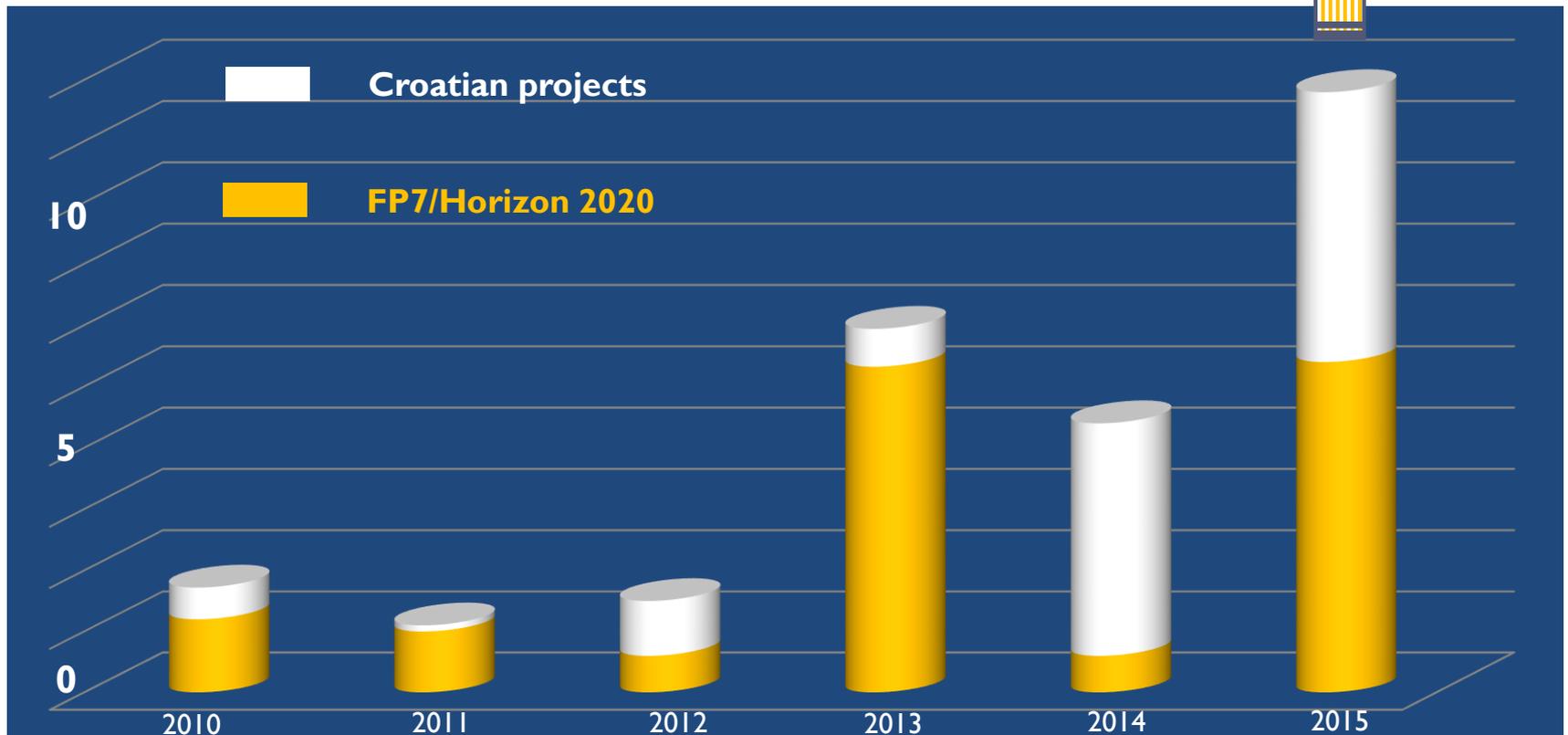
- ▶ FP5 (2 projects), FP6 (20 projects), FP7 (33 projects), H2020 (11 projects)
  - ▶ 11 out of 77 Croatian H2020 projects
  - ▶ 2 out of 4 Croatian ERC grants



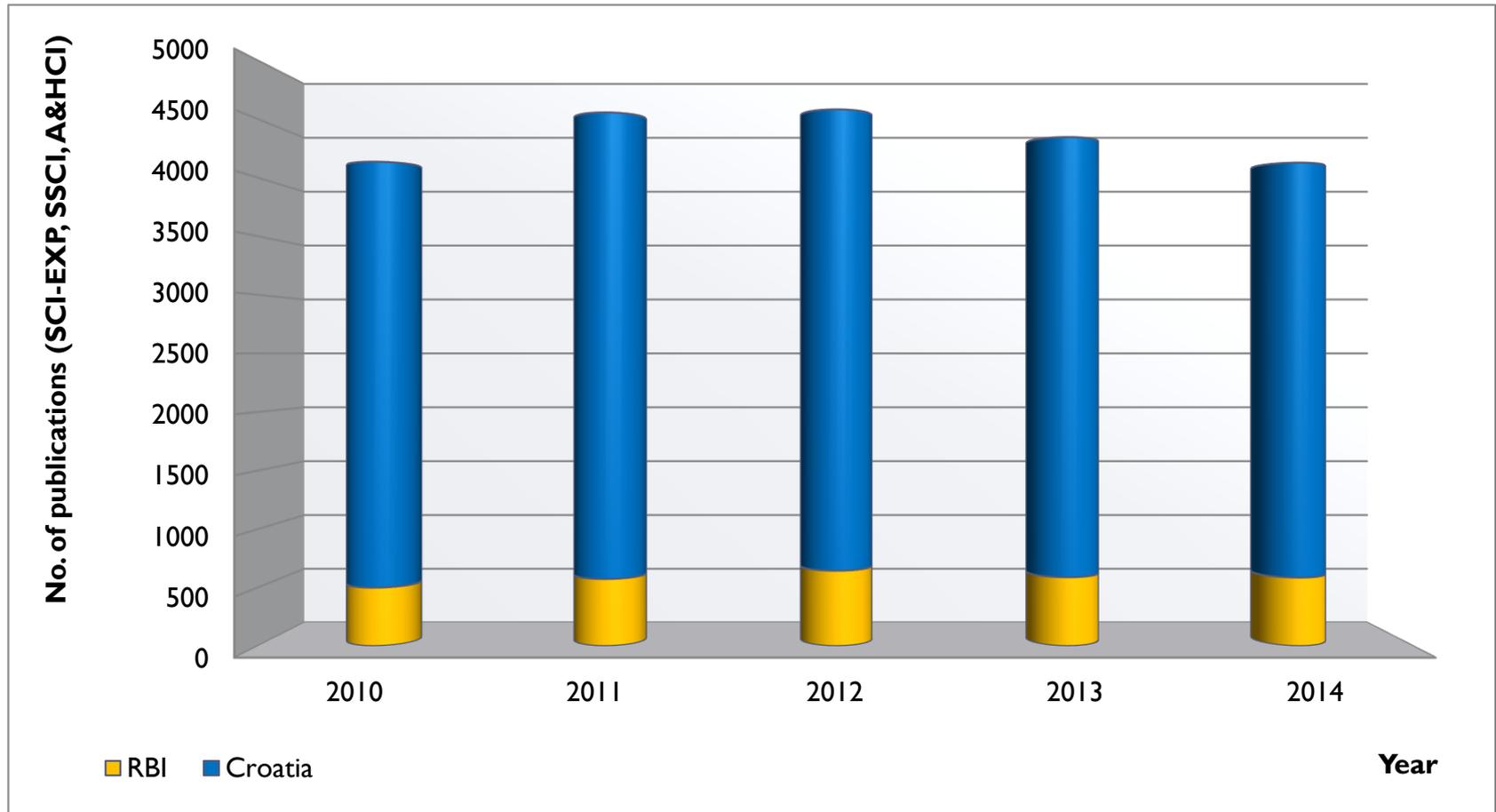
# New projects at the RBI (in millions of EUR)

Possibly a significant increase by the end of 2015:

- Centres of excellence
- Centres of competence
- Horizon 2020



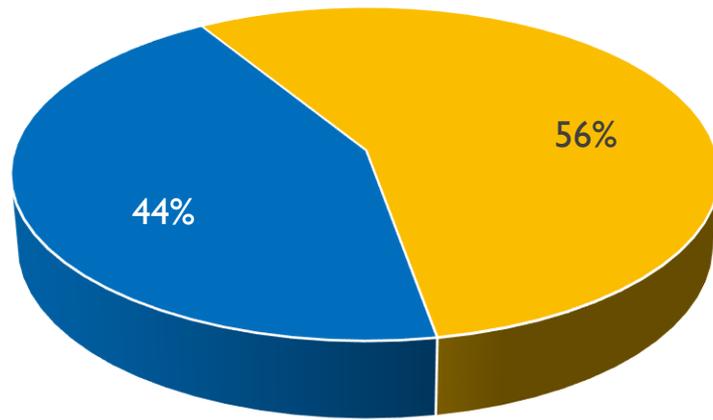
# Publications



- ▶ scientific articles published in journals indexed in SCI-EXP, SSCI and A&HCI

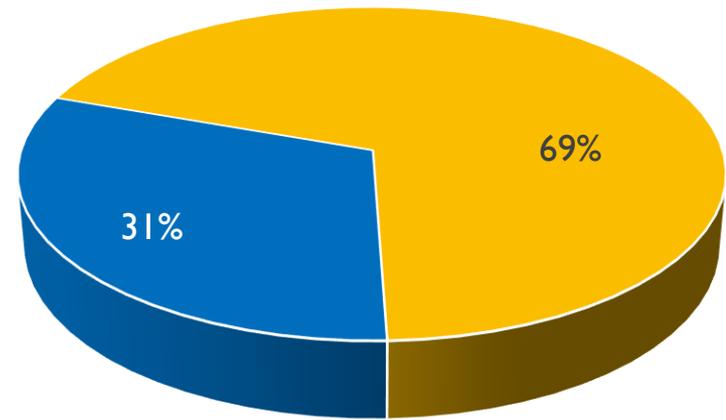
# Percentage of OA journal articles

Croatia



■ OA ■ Non-OA

RBI



■ OA ■ Non-OA

- ▶ scientific articles published in journals indexed in SCI-EXP, SSCI and A&HCI (2010-2014)

# RBI's open access related activities

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- ▶ development of Croatian OA infrastructure (on institutional and national level):
  - ▶ 1997 – Croatian Scientific Bibliography – CROSBI
  - ▶ 2002 – Portal of scientific journals of Croatia – Hrčak
  - ▶ 2007 – Database of instruments for scientific research – Šestar
  - ▶ 2011 – Full-text Institutional Repository of the Ruđer Bošković Institute – FULIR
  - ▶ 2015 – Digital Academic Archives and Repositories – DABAR
- ▶ participation in FP7 and H2020 OA related projects:
  - ▶ OpenAIREplus
  - ▶ OpenAIRE2020
  - ▶ FOSTER
  - ▶ SERSCIDA
  - ▶ CESSDA SaW
- ▶ promotion of open access and open science
- ▶ National Point of Reference for Open Access

# INFRASTRUCTURE – FULIR

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- ▶ Full-text institutional repository of the Ruđer Bošković Institute – FULIR (<http://fulir.irb.hr/>)
- ▶ first version released in 2011.
- ▶ possibility for archiving of various types of publications and research data
- ▶ based on self-archiving
- ▶ >1,400 records with full-text (91% in OA)
- ▶ functionalities:
  - ▶ OpenAIRE compliant (1<sup>st</sup> in Croatia)
  - ▶ interoperability with CROSBI
  - ▶ citation data from Web of Science Core Collection, Scopus and InSPIRE-HEP
  - ▶ altmetric scores from Altmetric.com
  - ▶ usage statistics...



# Open Access policies in Croatia

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2006 – Science and technology policy 2006-2010

2012 – Croatian Open Access Declaration

2013 – national mandate for thesis (Act on Scientific Activity and Higher Education)

2014 – Strategy of education, science, and technology

2015 – the 1<sup>st</sup> institutional OA mandate in Croatia – the Ruđer Bošković Institute open access self-archiving mandate



<http://www.cindyvallar.com/quillpen.jpg>

# Ruđer Bošković Institute open access self-archiving mandate

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- ▶ since April 14<sup>th</sup> 2015
- ▶ based on self-archiving (by researchers)
- ▶ depositing of digital copies of publications into the FULIR
  - ▶ journal and conference proceedings articles
  - ▶ book chapters
  - ▶ monographs and other book types
  - ▶ thesis
  - ▶ presentations and posters
  - ▶ learning materials
  - ▶ technical and other reports

# Ruđer Bošković Institute open access self-archiving mandate

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- ▶ depositing of accepted manuscript or published version of article if allowed
- ▶ ensuring open access according to publishers policies
- ▶ encouraging for retaining certain copyrights (Author Addendum)
- ▶ deposition required at the moment of acceptance for publishing and/or presentation date
- ▶ possibility for opting-out

# Challenge 1: How to ensure researcher's compliance with the mandate?

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- ▶ increasing awareness about benefits of OA
- ▶ training and education of research staff
- ▶ carrots and sticks methods:
  - ▶ rewards for scientists/departments
  - ▶ promotion of researchers/research groups with the most OA records
  - ▶ only articles deposited in FULIR should be considered for internal research evaluation procedures



## Challenge 2: Copyright issues

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- ▶ versions of publications to be archived into FULIR
- ▶ importance of retaining certain copyrights
  - ▶ Copyright Transfer Agreements
  - ▶ Author Addendum
- ▶ Creative Commons license



## Challenge 3: Moving towards research data

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- ▶ raise awareness among researchers
- ▶ build the infrastructure
- ▶ provide support



<http://www.kpcb.com/blog/setting-the-record-straight-on-big-data>

