

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

Budapest, October 29-30 2015

dr. sc. Tome Antičić

Ruđer Bošković Institute Director

Tome.Anticic@irb.hr

dr. sc. Bojan Macan

Head of the RBI Library

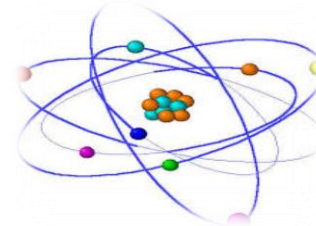
Bojan.Macan@irb.hr



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



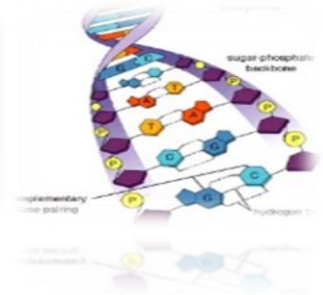
ENVIRONMENT



CHEMISTRY



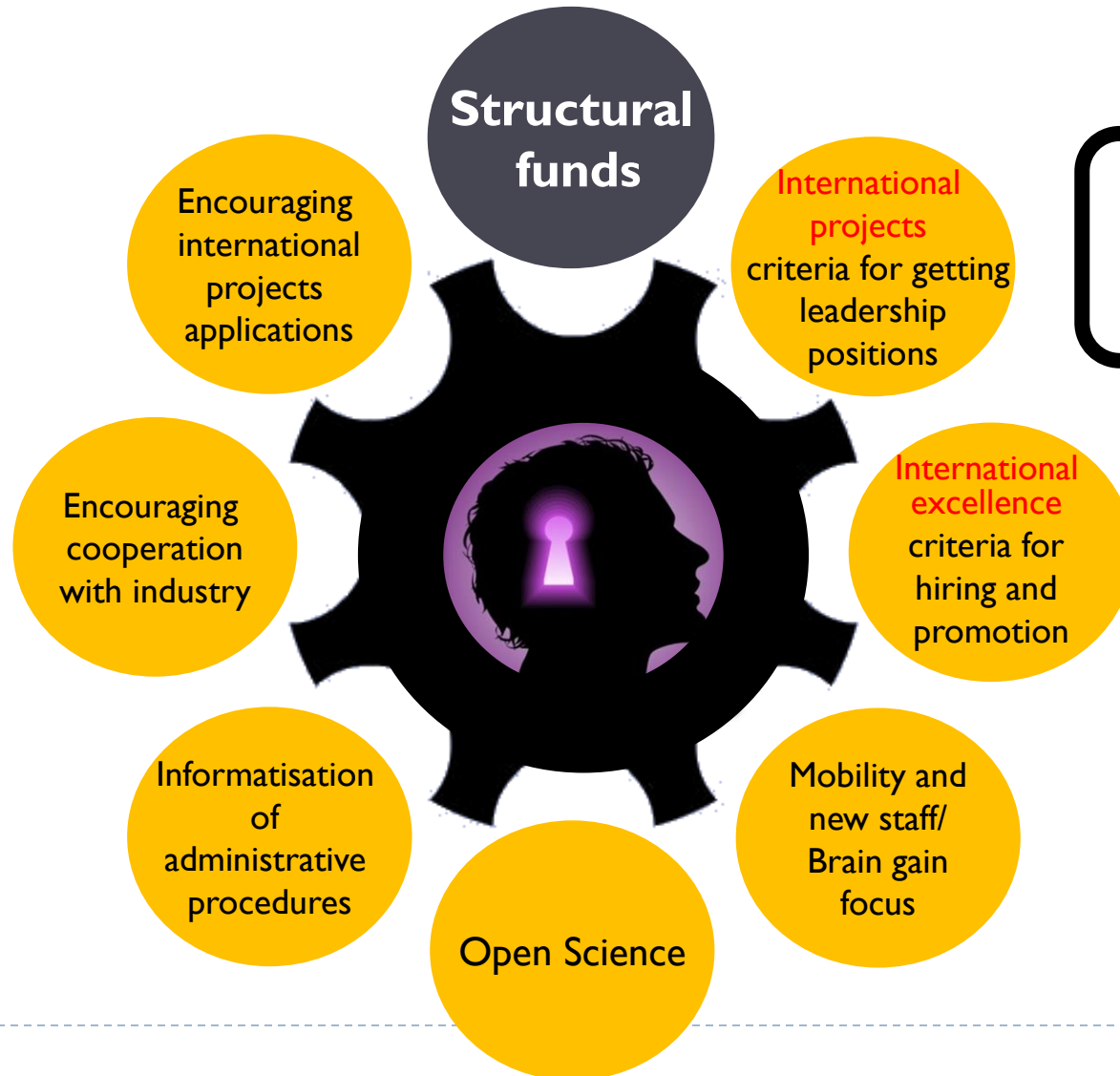
LIFE SCIENCES



ICT



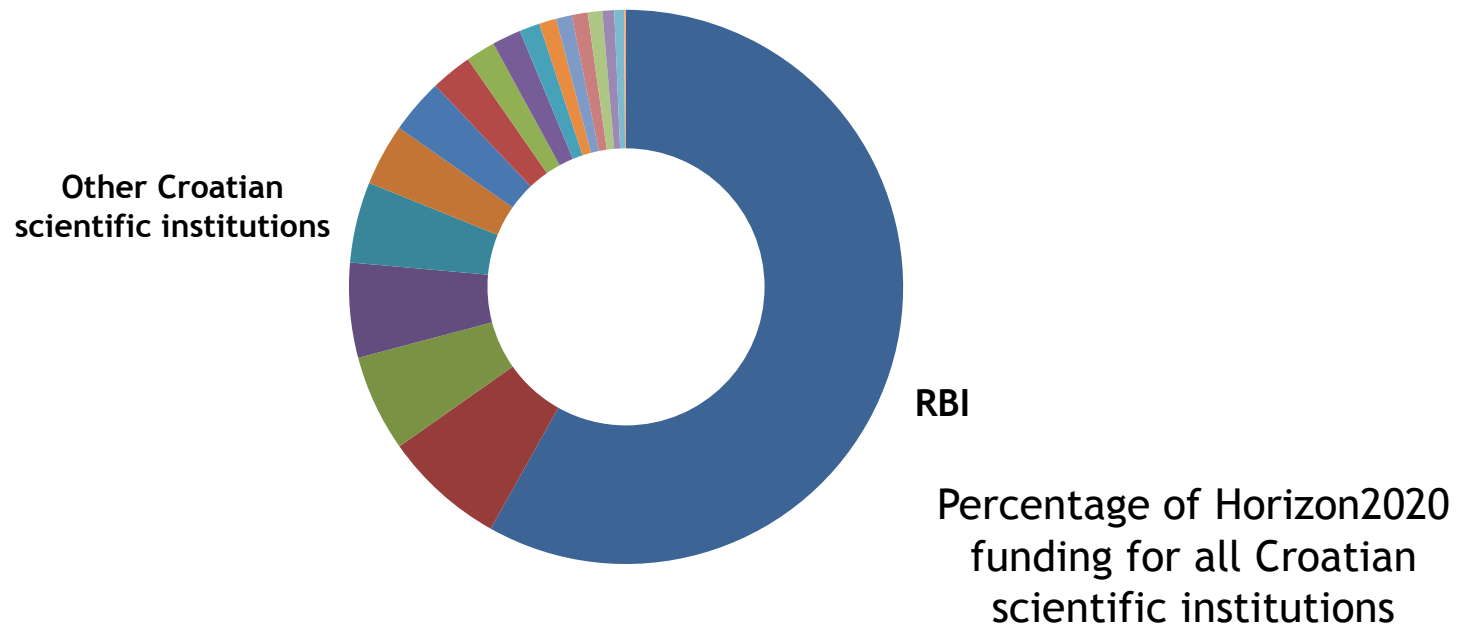
RBI's long term strategy



Significantly different from standard policies in Croatia

Collaboration on EU projects

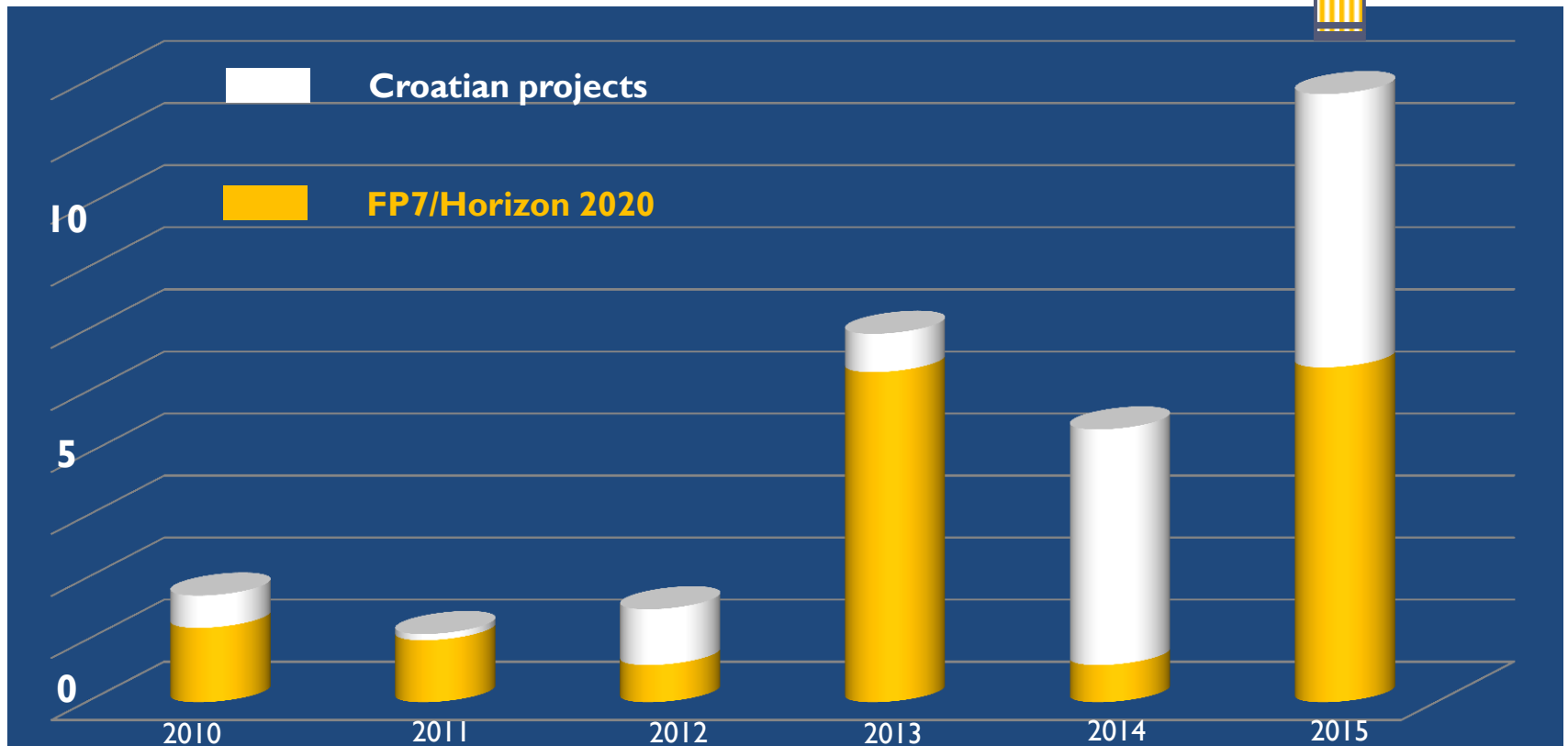
- ▶ FP5 (2 projects), FP6 (20 projects), FP7 (33 projects), H2020 (11 projects)
 - ▶ 11 out of 77 Croatian H2020 projects
 - ▶ 2 out of 4 Croatian ERC grants



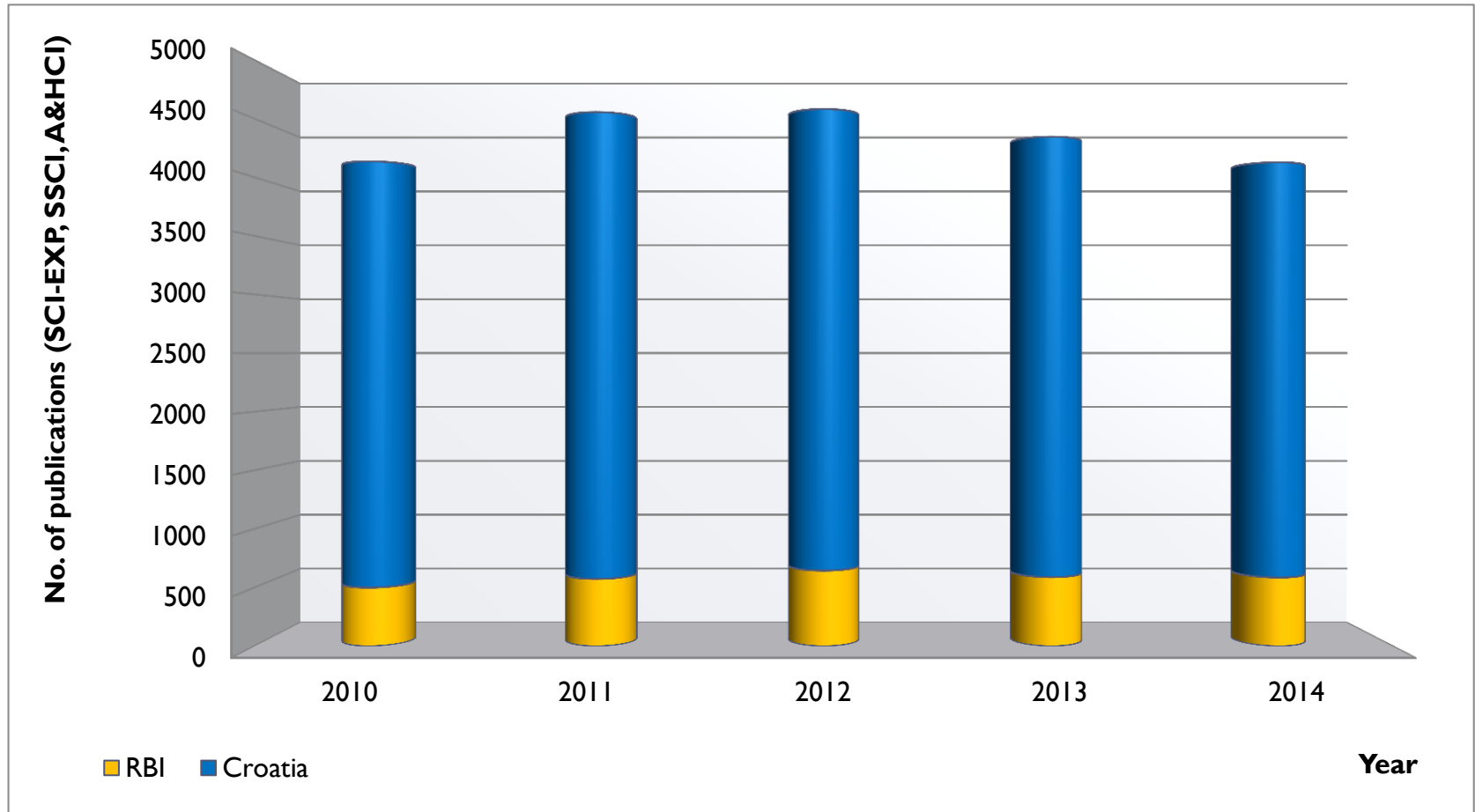
New projects at the RBI (in millions of EUR)

Possibly a significant increase by the end of 2015:

- Centres of excellence
- Centres of competence
- Horizon 2020



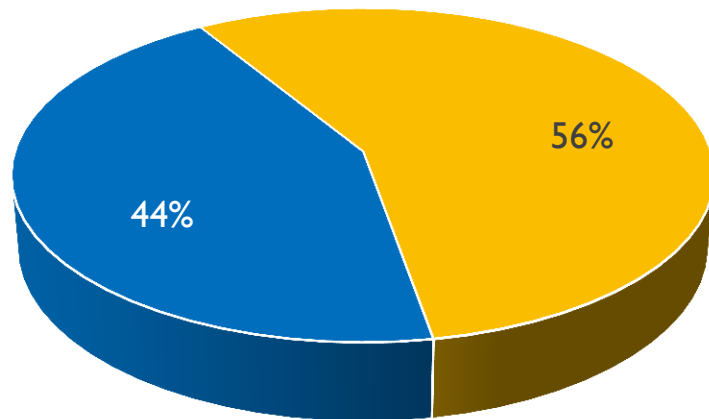
Publications



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

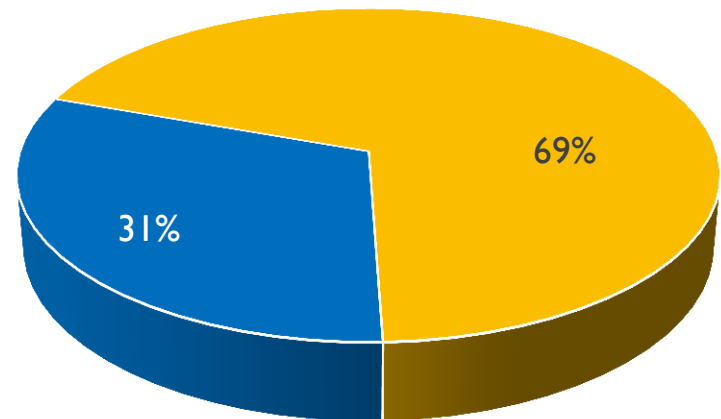
Percentage of OA journal articles

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

- ▶ 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

Open Access policies in Croatia

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 1st institutional OA mandate in Croatia – the Ruđer Bošković Institute open access self-archiving mandate



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

INFRASTRUCTURE – FULIR

- ▶ 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 (1st in Croatia)
 - ▶ interoperability with CROSBI
 - ▶ citation data from Web of Science Core Collection, Scopus and InSPIRE-HEP
 - ▶ altmetric scores from Altmetric.com
 - ▶ usage statistics...



Ruđer Bošković Institute open access self-archiving mandate

- ▶ since April 14th 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

- ▶ 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?

- ▶ 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

- ▶ 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

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



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

