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Tor Vergata's Roadmap to Open Science

Experience in Biosciences

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Why are we working with STARBIOS2? Risk & a possible solution

Responsible Research and Innovation strategy is geared to cope more in general with **one of the main risks** for European research & biosciences today:

Its **inadequate connection with society**

RISK

promote **increased alignment with needs & values of European society** in both process and outcomes with increased **involvement of stakeholders** at every level of the research and innovation process

POSSIBLE SOLUTION



STARBIOS2



Coordinator



6 European action plans



Italy



Poland



Bulgaria



Slovenia



Germany



United Kingdom

3 international action plans



South Africa



Brazil



UNIVERSITY SYSTEM
of MARYLAND

United States

3 supporting partners



Italy



AARHUS UNIVERSITET

Denmark



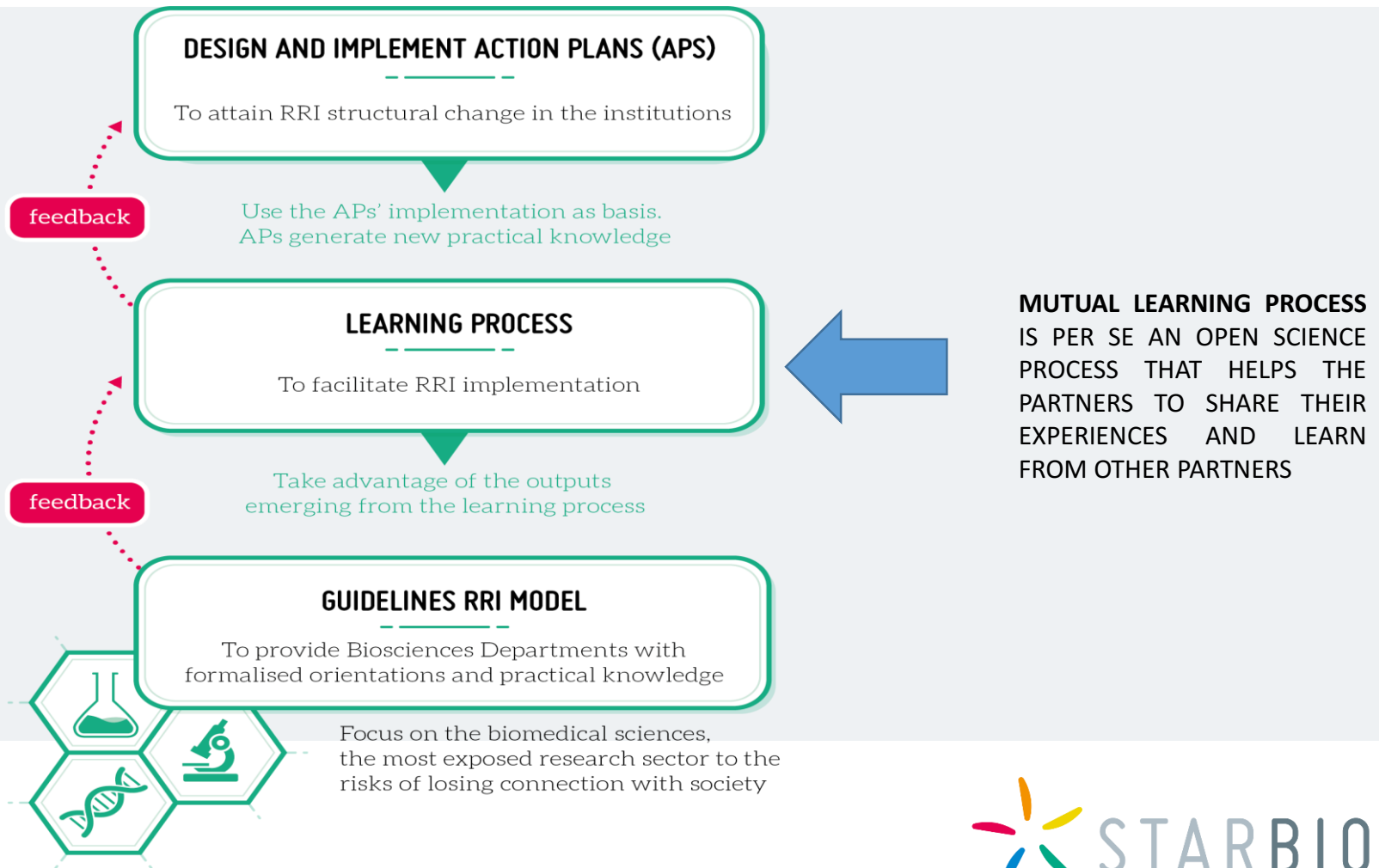
UPPSALA
UNIVERSITET

Sweden





STARBIOS2 project





Responsible Research and Innovation: the 5 keys at UNITOV

Education

Open Access

Gender

Public
Engagement

Ethics

Open Science is the ongoing transitions in

- the way research is performed,
- researchers collaborate,
- knowledge is shared, and
- science is organized.

The EU definition of Open Science

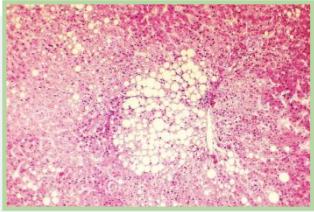


The action plans on Open Access

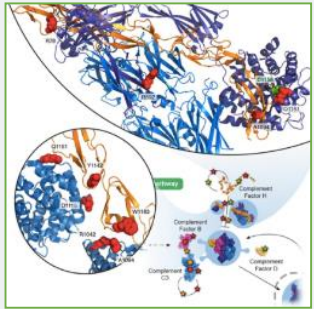
INSTITUTION	STREAM OF ACTION
UNIVERSITY OF ROME TOR VERGATA (ROME, IT)	<ul style="list-style-type: none">• Introduction of an open access policy plan
UNIVERSITY OF OXFORD (OXFORD, UK)	<ul style="list-style-type: none">• Evaluating open access at the University of Oxford and developing a framework for comparison
UNIVERSITY OF PRIMORSKA (KOPER, SL)	<ul style="list-style-type: none">• Analysis of past open access publications• Investigation of OA possibilities at UP• Organization of Open Access Workshop
UNIVERSITY OF BREMEN (BREMEN, DE)	<ul style="list-style-type: none">• Promotion of open access
AGROBIO INSTITUTE (SOFIA, BG)	<ul style="list-style-type: none">• Analysis of Open Access related costs, opportunities, and researchers needs
UNIVERSITY OF GDANSK (GDANSK, PL)	<ul style="list-style-type: none">• State of the art analysis of Open Access at IFB• Identification of obstacles of Open Access publishing through dialogues• Development of Open Access Policy Plan



Infections, nutrition, epigenetics and the exposome – RRI as an approach for designing research in Biosciences



Not only a cell



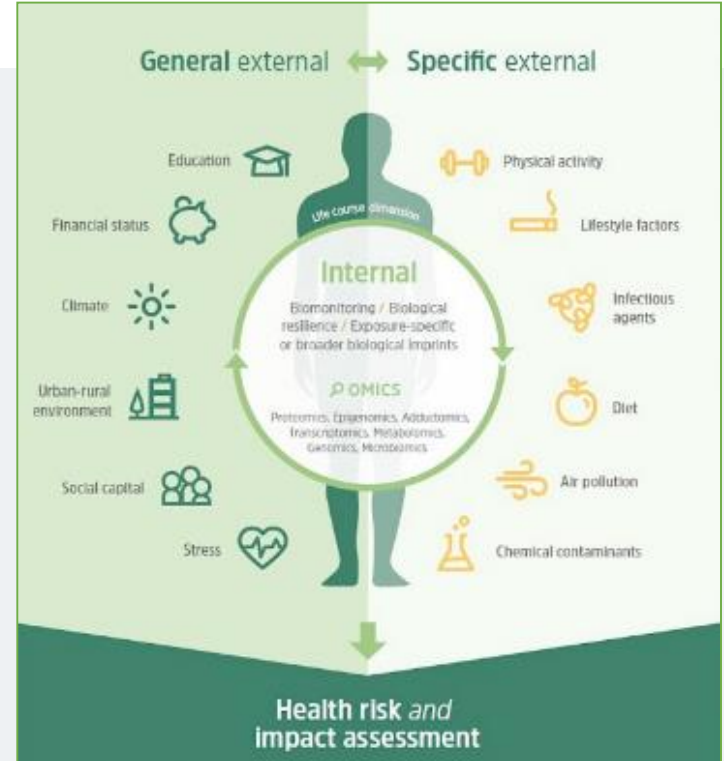
Not only a protein



Not only a DNA



Not only man, but also women
Male and female variables



In a dynamic environment

A research project based on RRI considers gender and sex as key variables in the research programs



NGS: New Generation of Scientists

Two examples: Course for MSc students & Dual degree course (Erasmus+)



«*Health, Nutrition and sustainable development*»

The multidisciplinary course addresses the themes of Sustainable Development, integrating them with those of Responsible Research and Innovation and Open Science proposed by the European Commission.

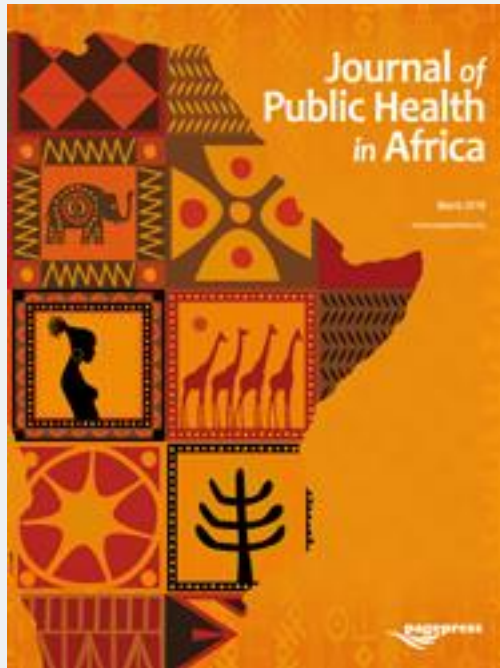
The ethical aspects of research and the gender issues are approached and discussed with students.

Agreements between Italian and African Universities and companies (eg. pharmaceutical company) for scientific and professional training of young African students and their mobility





Programme support for the Centers for Diseases Control (CDC) and Prevention of the African Union through the Journal of Public Health in Africa (Funds from University of Tor Vergata-PagePress, 2016-2018)



Press Release

Africa Centers for Disease Control and Prevention Acquires and Brands the Journal of Public Health in Africa as its Official Journal

Addis Ababa, 23 October 2018:



The Africa Centers for Disease Control and Prevention is happy to announce that, as of January 1st, 2019, it will enter into an agreement with PAGEPress, the current publisher and owner of the Journal of Public Health in Africa, to acquire the Journal as its Official Journal. The acquisition of the Journal of Public Health in Africa signifies Africa CDC's realization of its mandate of establishing a continental platform for timely data sharing and facilitates easy access to critical information. Africa CDC considers this effort as a key milestone for its vision towards a New Public Health Order for the African continent.

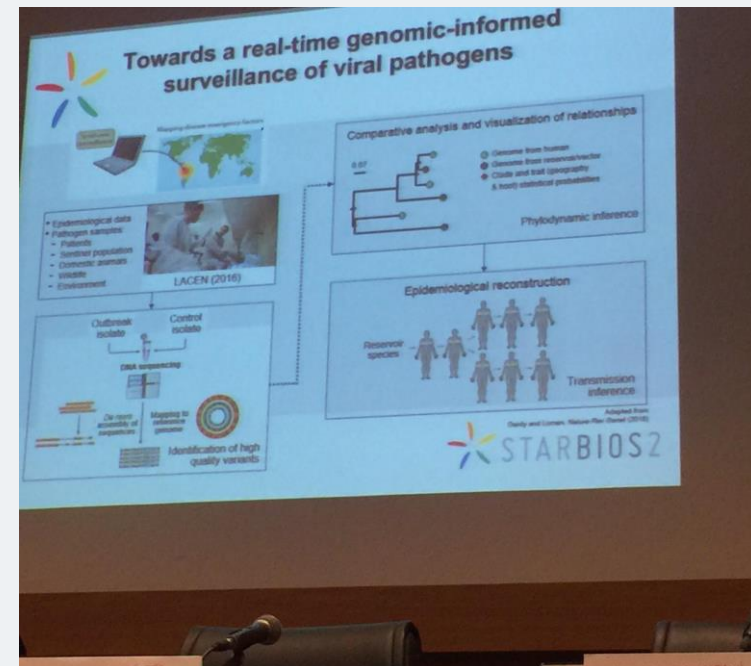
PAGEPress has a long history of providing outstanding scientific publishing services with an internationally recognized brand. The Journal of Public Health in Africa is one of its peer reviewed Journals focusing on public health issues on the African continent, with special emphasis to responsibility in research and innovation. The journal is indexed by several major international platforms including but not limited to PubMed/Medline, Pubmed Central, Google Scholar and Directory of Open Access Journals (DOAJ) with a good standing and credibility as it has been working with African Member States. Through this agreement, Africa CDC has acquired all of the assets including the branding, secretariat and peer reviewing process. PAGEPress will continue to ensure the final editing services as well as online publication and indexing of the Journal.

Africa CDC, through the Journal of Public Health in Africa, aims to advance timely dissemination of scientific knowledge to member states and other stakeholders, enhance public health dialogue, and create a platform for networking among Africans as well as the global public health community. *"Africa CDC is committed to making the Journal of Public Health in Africa a leading public health peer-review journal and reiterates its strong commitment to advancing scientific knowledge and collaboration throughout the African continent and beyond"* says Dr John Nkengasong, Director of the Africa CDC. *"There is so much exciting public health practice based on Responsible Research and Innovation going on the continent, and the outcomes need to be broadly disseminated in an expeditious manner. The Journal of Public Health in Africa will clearly fill this critical need"* says Professor Vittorio Colizzi, MD, PhD, Director of the UNESCO Chair in Biotechnology & Bioethics, University of Rome Tor Vergata, who has served as Editor in Chief of the Journal for several years.

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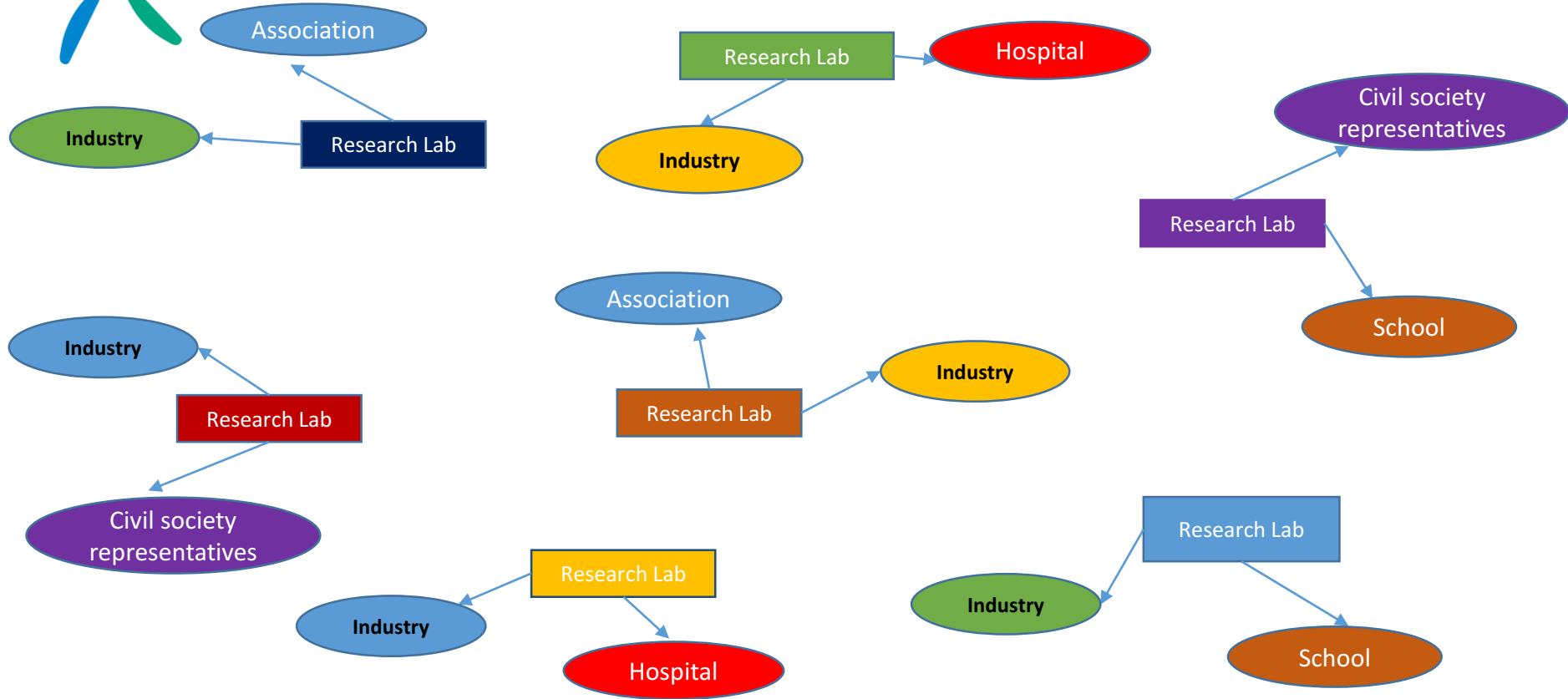
ZIKA in Brazil Real Time Analysis (ZiBRA-2): an RRI experience



<http://www.zibraproject.org>
<https://www.zibra2project.org>

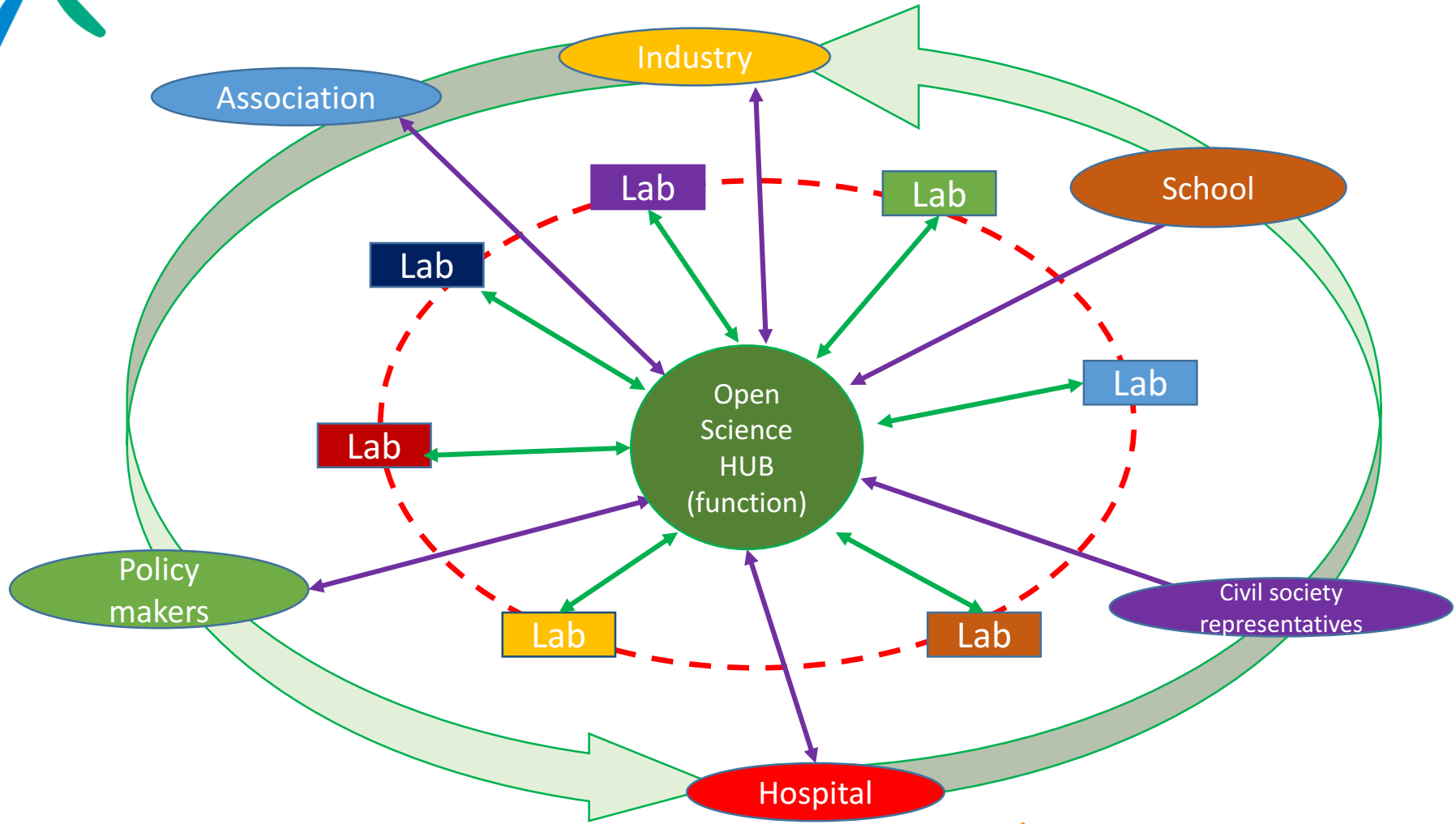


A research project: Small laboratories - linear organization





A research project based on RRI: Open Laboratory – circular and dynamic organization





The guidelines

The Guidelines arise from the **practical experience of implementing Action Plans** carried by the research organisations involved in the STARBIOS2 project, from the **mutual learning** activity among the STARBIOS2 partners, also supported by a study and update of RRI issues



Thank you!



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