



Pan-European Research Infrastructures: Priorities and challenges

BBMRI-ERIC Case Study

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New Commission

- "A new Start for Europe: My agenda for Jobs, Growth, Fairness and Democratic Change", Jean-Claude Juncker, 15 July 2014:
 - Strengthen Europe's competitiveness and stimulate investment for the purpose of job creation;
 - € 300 billion Investment Package to focus in infrastructure, education, research and innovation and energy through more effective financial instruments
- Mission statement of the Commissioner, Carlos Moedas, 10 Sept 2014:
 - *"Improving research infrastructure and making better use of research results is essential to strengthen innovation further, develop new activities and boost the productivity and competitiveness of our economy"*

Translation for Research Infrastructures

- Facilitate investment in RI : towards long term sustainability
- Increase effectiveness (planning, decision making process, governance, management, cost control...)
- Exploit the innovation potential of RI and maximise research results (data)
- Promote EU excellence abroad and "internationalise" when necessary (support international collaboration and facilitate the integration of partners from third countries)
- Stairway to excellence (train and attract young talents, facilitate transnational access on the basis of merit but not exclusively)

2010 ESFRI Roadmap

Social Sc. & Hum. (5)	Life Sciences (13)		Environmental Sciences (9)		Energy (7)	Material and Analytical Facilities (6)	Physics and Astronomy (10)		e-Infra-structures (1)
SHARE	BBMRI	ELIXIR	ICOS	EURO-ARGO	ECCSEL	EUROFEL	ELI	TIARA*	PRACE
ESS Survey	ECRIN	INFRA FRONTIER	LIFEWATCH	IAGOS	Windscanner	EMFL	KM3NeT	CTA	
CESSDA	INSTRUCT	EATRIS	EMSO	EPOS	EU-SOLARIS	European XFEL	E-ELT	SKA	
CLARIN	EU-OPENSREEN	EMBRC	SIOS	EISCAT_3D	JHR	ESRF Upgrade	SPIRAL2	FAIR	
DARIAH	Euro BioImaging	ERINHA BSL4 Lab		COPAL	IFMIF	NEUTRON ESS	SLHC-PP*	ILC-HIGRADE*	
	ISBE	MIRRI			HiPER	ILL20/20 Upgrade			
	ANAEE				MYRRHA				

RI's in the implementation phase

 Distributed research infrastructures
 Single sited research infrastructures

ERIC established

ERIC in preparation

BioMedical RI ESFRI landscape

2006

2008

2010

2016

BBMRI

EMBRC

ANAEE

EATRIS

EU-OPENSREEN

ISBE

ECRIN

EUROBIOMAGING

MIRRI

ELIXIR

ERINHA

INFRAFRONTIER

ISBI

ESFRI ROADMAP UPDATES



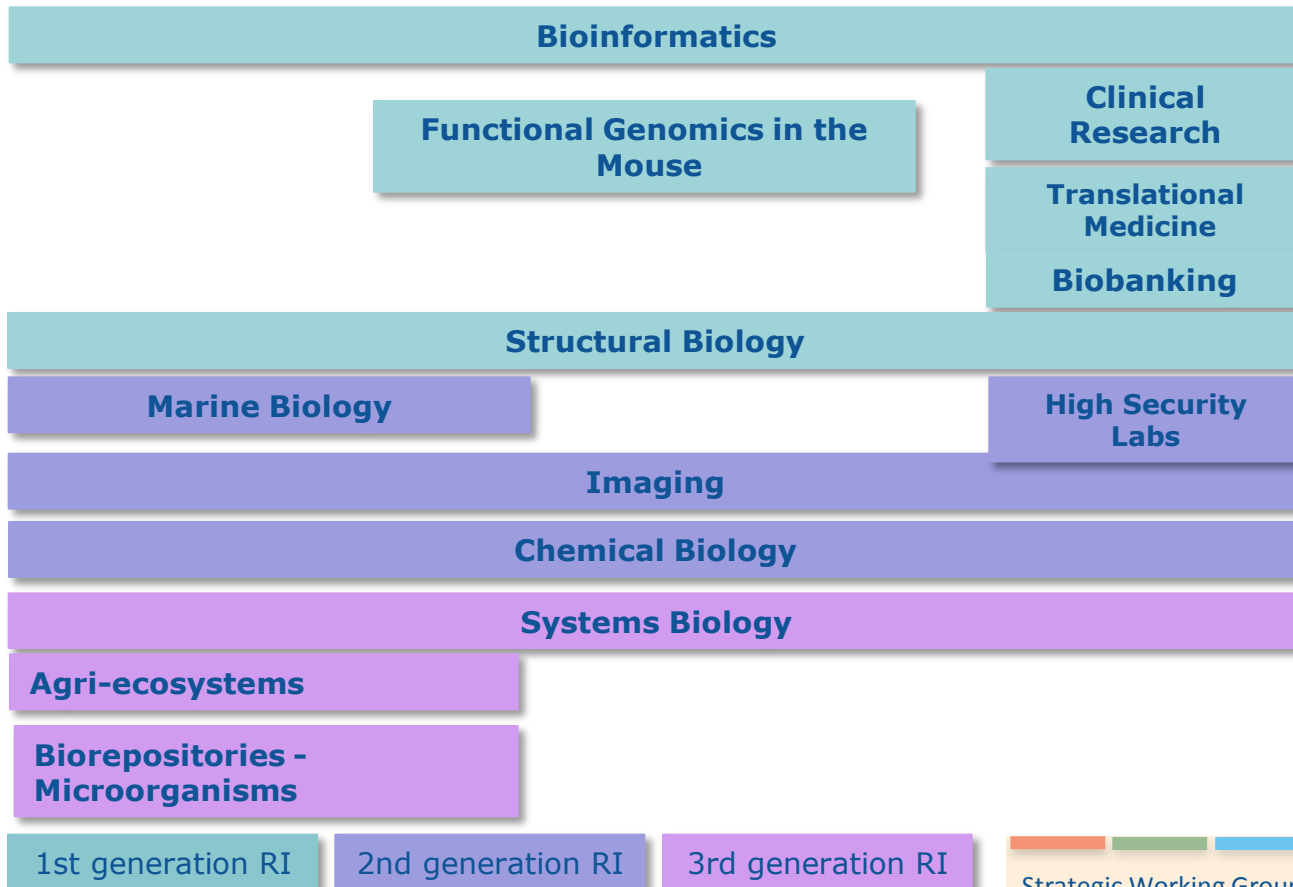
European Commission

ESFRI Research Infrastructures

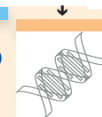
Biological Resources & Production Systems

Biological Sciences

Medical Sciences



Strategic Working Group Health & Food



Strategic Challenges on RI

- Fostering long term **sustainability** of Research Infrastructures
- Expanding the role of research infrastructures in the **innovation chain**
- Optimising the management and the exploitation of research data produced or collected by research infrastructures, included e-infrastructures
- Harmonising evaluation procedures of Research Infrastructures
- Build a strategic alignment of the current RI landscape towards the **future** scientific and social **needs**

Role of the ERIC

Legal Instrument:

Promotes sustainability

Transparency

VAT exemption

Procurement rules

Supports defragmentation of the ERA

BBMRI and BMS

- Complementarity with ECRIN, EATRIS and ELIXIR
- Commission gives high importance to the further development of the BMS RIs and ERICs



Thank you for your Attention!

HORIZON 2020

The image features a large, dark blue Earth in the background, showing the horizon line. In the center, a smaller, transparent globe of the Earth is positioned on the horizon. Bright blue light rays emanate from behind the smaller globe, creating a lens flare effect. The text 'HORIZON 2020' is written in a white, sans-serif font across the middle of the image, with the smaller globe acting as the letter 'O' in 'HORIZON'.