Research Infrastructures’ contribution to UN SDGs: Enabling excellent science in service of society

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Wednesday, 19 October 2022
ICRI 2022, Brno
Make Science Happen

European Research Infrastructures have transformed the way science is done.

They make high-quality facilities, resources and services available to everyone to perform excellent and ground-breaking research.

European RIs in Health & Food domain: key pillar of Europe’s contribution to a healthy planet.
How the Health and Food Research Infrastructures contribute to UN SDGs?
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Here, environment meets health with all its major challenges
How the H&F RIs contribute to UN SDGs?

- Food and nutrition security
- Biodiversity
- Climate change
- Resilient agriculture
- Marine ecosystems
- Plant biology
- Combatting diseases
How the H&F RIs contribute to UN SDGs?

One Health Approach

Environmental health, animal health & human health

=>

biodiversity,

climate change,

zoonotic diseases,

reducing the effects of hazardous environmental agents on health

Health & Food RI contribution to

Break-through discoveries in health with impact on the society and economy

• Fighting infectious diseases, cancer, civilization disorders, rare and chronic diseases, ...
  • From understanding of diseases...
  • ... to medical countermeasures development and translation to the market
COVID-19 pandemic

ELIXIR
• COVID-19 Data Portal – free access to viral sequence & other relevant data (e.g. imaging, proteins...)

EU-OPENSSCREEN
• Drug repurposing/candidate molecule testing

ERINHA
• High-containment in-vitro & in-vivo pre-clinical testing (drugs, vaccines, diagnostic tools)

Infrafrontier
• Anti-COVID-19 compounds testing on mice models

INSTRUCT ERIC
• Structural biology technologies for protein characterization for COVID-19 drug discovery

And much more with Euro-Bioimaging, ECRIN, EATRIS, BBMRI
ACTION:

Support excellent research on epidemic- and pandemic-prone pathogens

Provide free of charge access to Research Infrastructures’ services, resources, technologies and expertise

OBJECTIVE:

Increase pandemic preparedness and responsiveness
INTEGRATED SERVICES FOR INFECTIOUS DISEASE OUTBREAK RESEARCH

Do you need specific research services, tools or resources to advance your research in infectious diseases?

ISIDORe provides an integrated portfolio of cutting-edge research services and resources to study epidemic-prone pathogens including SARS-CoV-2
<table>
<thead>
<tr>
<th>SERVICES</th>
<th>300+</th>
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<tr>
<td>PARTNERS</td>
<td>154 (under 17 RIs umbrella)</td>
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<td>COUNTRIES</td>
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https://isidore-project.eu

**RESPONSE**

- Monkeypox Virus

**PREPAREDNESS**

- Coming soon
- Preparedness Calls (RG4, Vector-borne Pathogens, Non-SARS-CoV-2 Respiratory viruses, Disease X)

- COVID-19/ SARS-CoV-2

**SERVICES**

- 300+

**PARTNERS**

- 154 (under 17 RIs umbrella)

**COUNTRIES**

- 32

**Project Requests submitted**

- 110+
ANALYTICAL SERVICES

IMMUNO-MONITORING & PROFILING

CLINICAL SAMPLES

CELL MODELS

SUPPORT FOR DIAGNOSTIC & THERAPEUTIC DEVELOPMENT

REGULATORY ADVICE, TRIAL PREPARATION & ACCESS TO CLINICAL TRIALS

IN VIVO MODELS

SUPPORT FOR VACCINE DEVELOPMENT

SOCIAL SCIENCES & EPIDEMIOLOGY

110+ REQUESTS
Impact on

Global Health

Scientific Excellence

Preparedness to threats
THANK YOU

LEARN MORE: erinha.eu
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