

EIRENE - Research Infrastructure for EnvIRonmental Exposure assessmeNt in Europe



prioritised in the new ESFRI Roadmap launched in 2021

MUNI | RECETOX

RI for EnvIRonmental Exposure assessmeNt in Europe

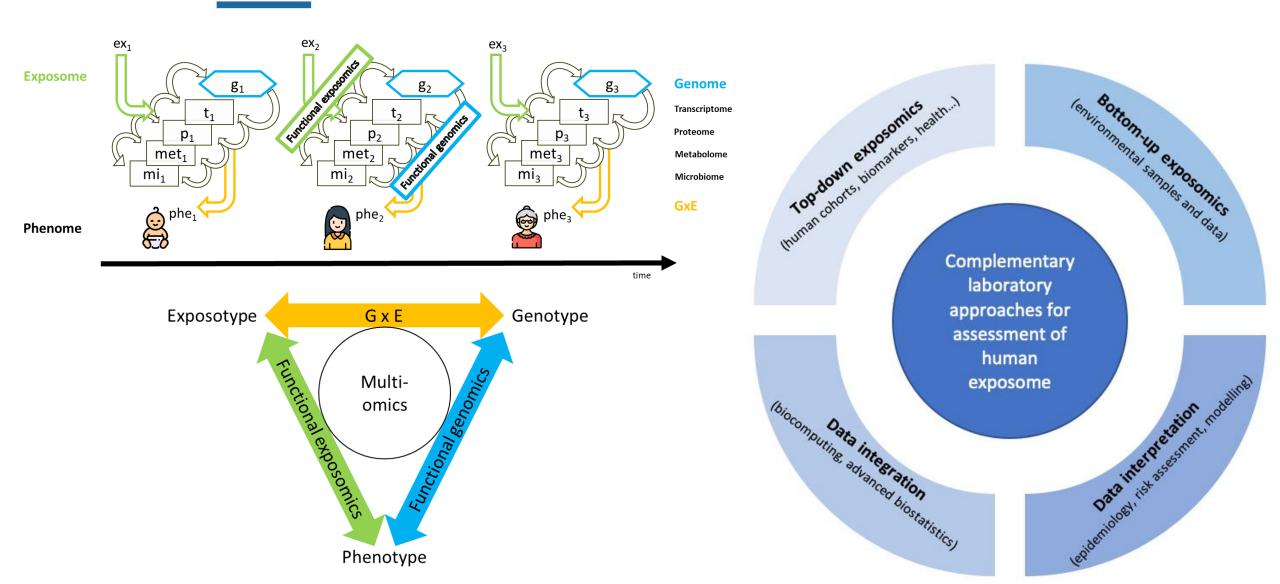
EIRENE RI

A gap identified in the H&F domain of 2018 ESFRI Roadmap

"There is a need to enable a research infrastructure that will facilitate research on the human health and wellbeing at all stages in development, including ageing, nutrition and behavioural studies, and their connections to the social sciences and humanities. There are geographic, economic and environmental drivers affecting human health and wellbeing. Climate change, extreme weather, dramatic changes in ecosystem services, environmental pollution and exposure to harmful chemicals represent a new combination of issues that require an integrated approach at pan-European level. At the heart of this approach is the exposome, taking a holistic view throughout the human lifetime on the effect of exposures to diet, lifestyle, and the environment on human health and disease. The EXPOSOME coupled with advanced genetic and medical approaches represents an opportunity to tackle this complex issue by connecting to the landscape of Health & Food RIs and other domains. Ongoing EU projects and networks on human biomonitoring (HBM4EU and EMEP) are important steps to bring together relevant parties."

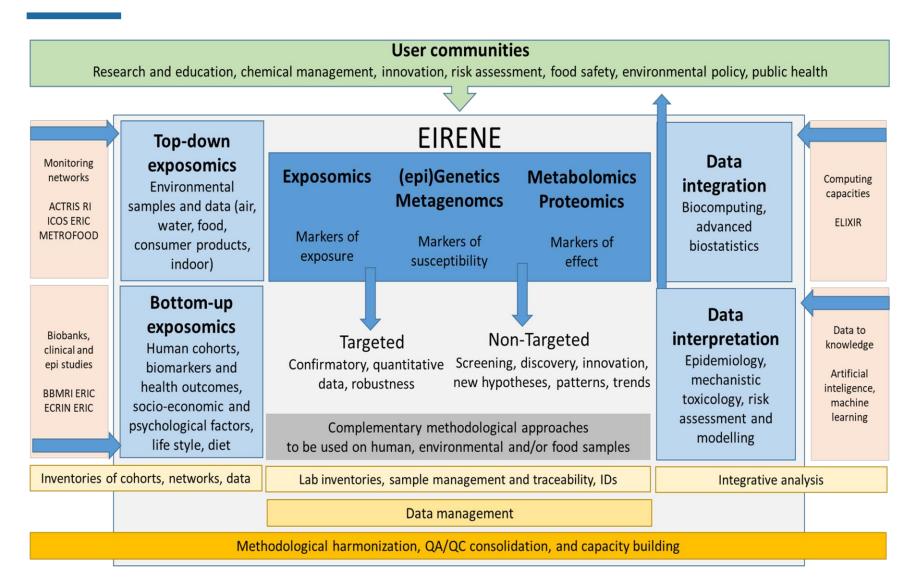
Prioritised in the ESFRI Roadmap in December 2021

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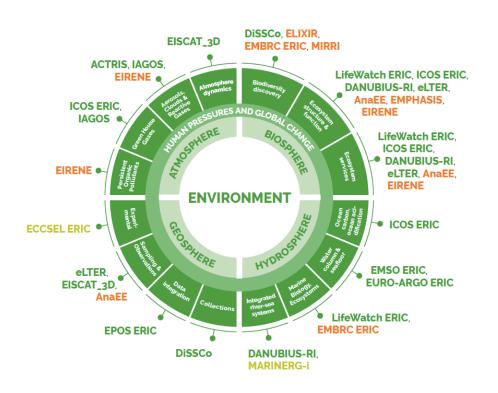


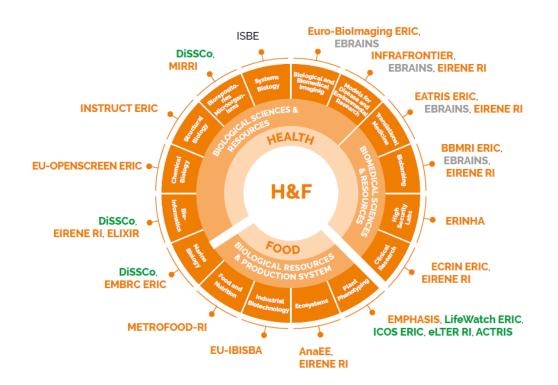
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EIRENE RI



Integration of EIRENE RI into the EU RI Landscape, HE Partnerhips

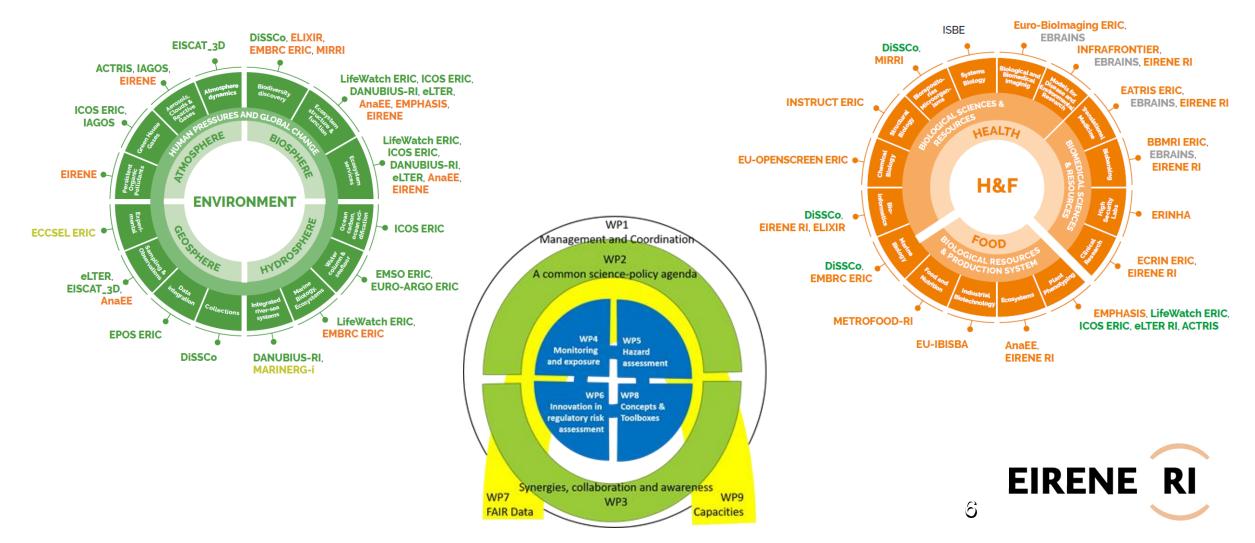






Integration of EIRENE RI into the EU RI Landscape, HE Partnerhips





EU centre of excellence for human exposome research

RECETOX

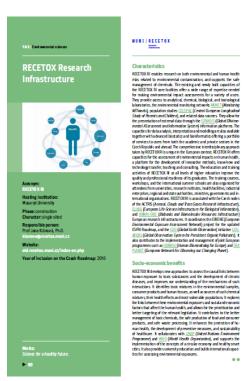


In the National Roadmap since 2012

RECETOX RI



- **RECETOX** accredited laboratories
- MONET monitoring networks
- CELSPAC population studies
- GENASIS information platforms





#brnoregion as an innovation laboratory of the future

Brno Living Lab



Thank you for your kind attention