



Brane Leskošek, ELIXIR-SI

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# EOSC-Life

Creating EOSC for the life sciences

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## Interconnecting Health & Food Research Infrastructures through EOSC-Life

- Modern biological and biomedical research involves complex projects and a variety of different technologies
- Some of the most important discoveries are made at the interface between different life science disciplines
- A digital model of biological systems on earth is now possible by breakthroughs in the technologies that study life at all its different scales

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 844867

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## EOSC-Life: an open collaborative space for digital biology in Europe


- Establish EOSC-Life by publishing FAIR life science data resources in EOSC
- Create an ecosystem of innovative life-science tools in EOSC
- Enable ground-breaking data driven research in Europe by connecting life scientists to interoperable European clouds via open calls for participation

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## EOSC-Life Consortium

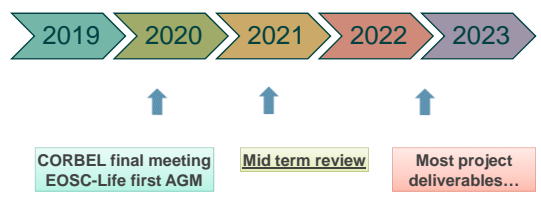
- 13 ESFRI Health and Food Research Infrastructures
- 46 Partners and 17 linked 3rd parties
- Sourcing e-Infrastructure services from EOSC (Cloud, AAI,...)
- 4 year Project, 24M€



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EOSC-Life

## EOSC-Life: creating EOSC for the life-sciences

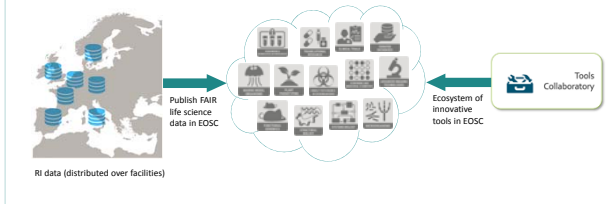


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EOSC-Life

## Establish EOSC-Life by publishing data and tools for cloud use

- Health and Food RI are distributed with many hundred partner facilities across Europe
- Health and Food RI have large community of tools developers across Europe



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### Creating EOSC for the life sciences

- EOSC-pilot: EDM1 standard for harvesting distributed, FAIR, data and tools
- EOSC-Life: Populate the life-science registries that will feed the EOSC catalogues

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### Creating EOSC for the life sciences

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### A. The EOSC will allow for universal access to data and a new level playing field for EU researchers

- Easy access through a universal access point for ALL European researchers
- Cross-disciplinary access to data unleashes potential of interdisciplinary research
- Services and data are interoperable (FAIR data)
- Data funded with public money is in principle open (as open as possible, as closed as necessary)
- EOSC will help increase recognition of data intensive research and data science

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### EOSC-Life is one of many EOSC projects

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### EOSC is an Open Science Initiative

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### EOSC-Life – work with other clusters

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