



CSC

ICT Solutions for
Brilliant Minds



CSC – IT Center for Science Finland

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CSC develops, integrates, and provides high-quality ICT services for research, education, culture, and public administration



Sales in 2023
74M€



~670
employees

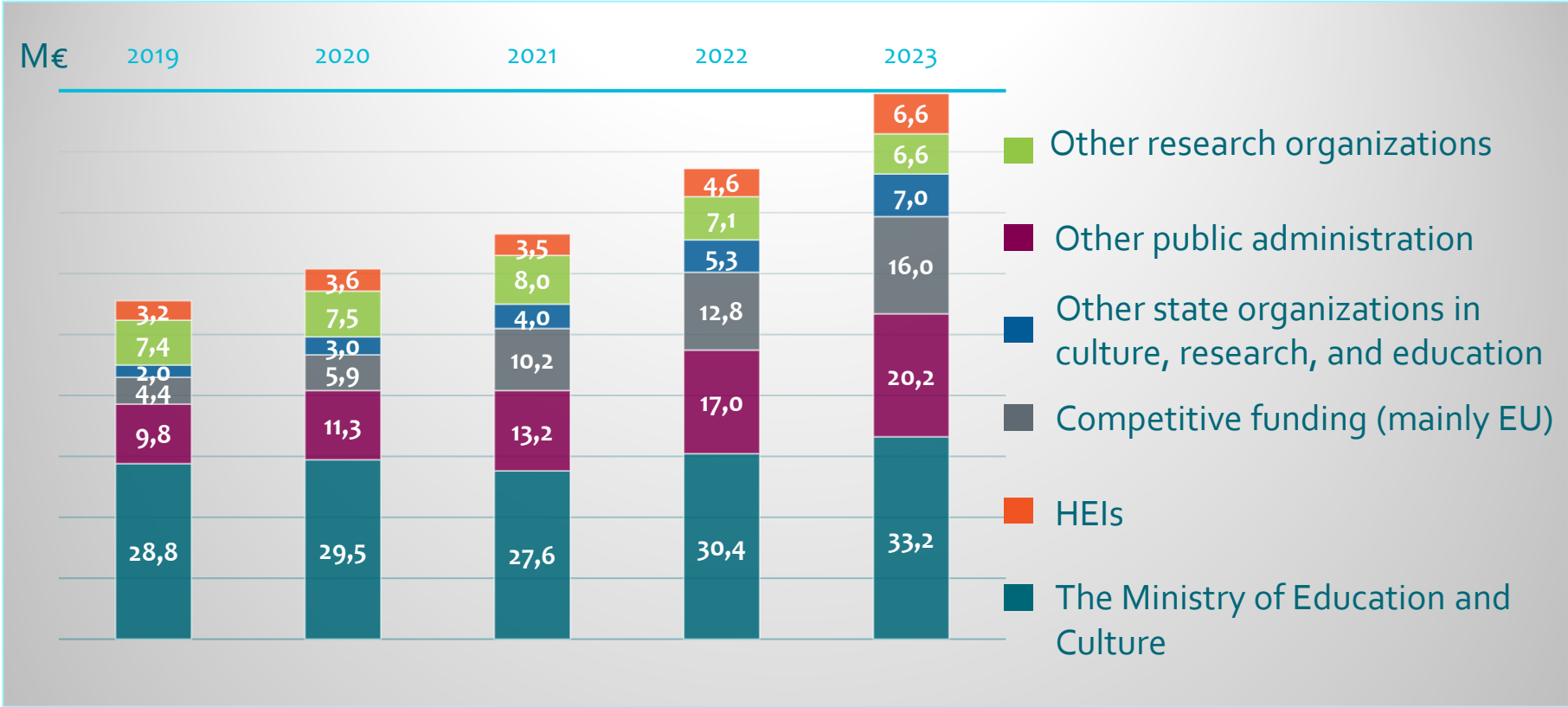


Non-profit state enterprise with special tasks - owned by the state of Finland **70 %** and Finnish higher education institutions **30 %**



CSC
catalyzes its
customers'
success

CSC's funding by customers



CSC's solutions



Computing and software



Data management and analytics for research



Support and training for research



Research administration



Solutions for managing and organising education



Solutions for learners and teachers



Solutions for educational and teaching cooperation



Hosting services tailored to customer needs



Identity and authorisation



Management and use of data

The Queen of North

LUMI

European flagship
supercomputer



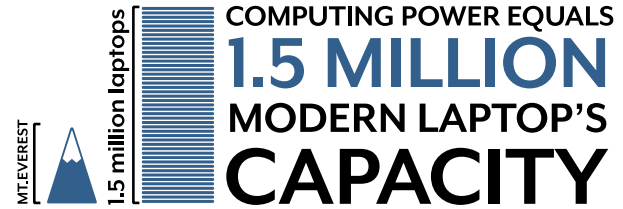
www.lumi-supercomputer.eu #lumisupercomputer #lumieurohpc

LUMI is one of the fastest supercomputers in the world

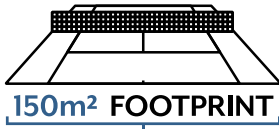
SUSTAINED PERFORMANCE

380 PETAFLP/S

= performs 380×10^{15} calculations per second



2x

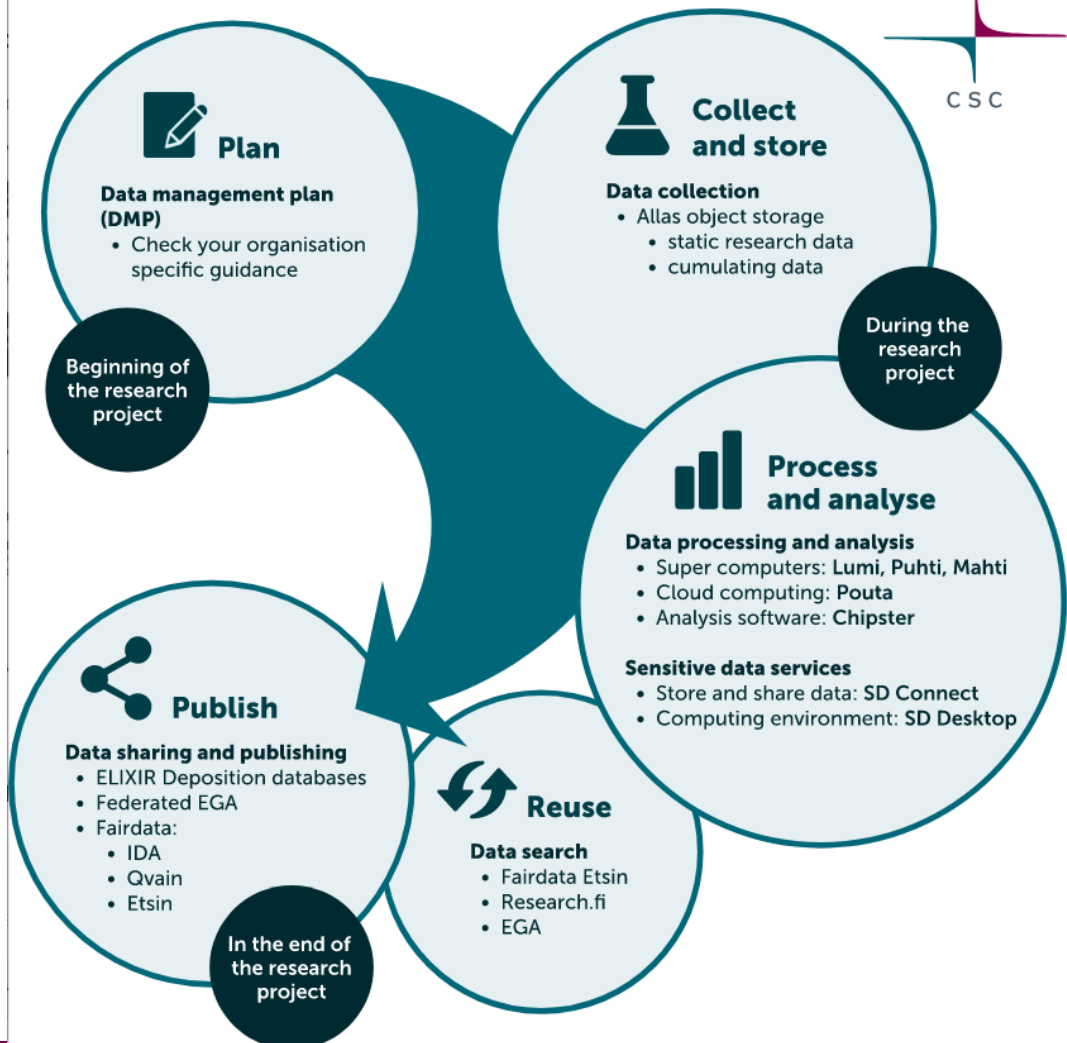


High-
performance
computing

AI

Data
analytics

CSC's services for research data management



Search for information on research in Finland

Search target ▾

For example, publication, field of science, keyword

SEARCH

Search help ▾



Publications
814 205



People
881



Projects
15 488



Research data
11 434



Funding calls
518



Infrastructures
207



Organizations
85

- Research.fi is the **Finnish national research information service**
- Owned by **the Ministry of Education and Culture**, operated by **CSC**
- **37 HEIs**, **12 research institutions**, **5 university hospitals**, and **~200 funders** as information providers



Aims of the Finnish Research Information Hub



Provide landscape of Finnish research ecosystem and basis for science policy

- R&D analytics
- Visualizations
- Business Intelligence (BI)
- Landscape



Ability to search for Finnish research and researchers

- Research.fi portal
- Semantic search
- Linked data



Support the reuse of research information in other services and systems

- APIs
- Shared data models
- Vocabularies
- Reference data



Merit researchers and make their research output and activities more visible

- Researcher's Profiles
- Traditional research outputs
- Other research activities

Success factors and challenges – case Research.fi



- In a small country, there is a necessity for intense **collaboration** among different actors: the Ministry, HEIs, research organizations, funders, National library, the Federation of Finnish Learned Societies, and CSC
- The national and international **thematic working groups** not only work on joint policies and definitions, but also provide a platform for peer learning, networking, and information sharing
- **Interoperability** is the key to everything! Common and shared architectures, data models, vocabularies...
- The **ability and resources** of different organizations to provide information varies, especially in terms of research data, researchers' data

Most importantly, keep the **benefits for research** in mind!