

# Enhancing Research through EOSC: A Comparative Perspective

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#### The research landscape

- Research drives breakthroughs in medicine, technology, and social sciences.
- Research holds the key to our most pressing issues.
- Data has become the lifeblood of research.
- Collaboration has become essential.





#### Meet the researchers

Dr. Socone Dr. Seco













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Dr. Socone

- The traditional research experience
- Climate scientist, dedicated, nerd
- Challenges: data management difficulties, constrained resources, isolated work, no girlfriend etc.













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- Research with EOSC
- Climate scientist, cutting-edge, uber-nerd.
- EOSC has transformed his research journey, providing streamlined data access, collaboration opportunities, and more resources.
- Challenges: two girlfriends











## Let's find some data, boys!

Dr. Socone (Cecil)



Needs measurement data from Europe









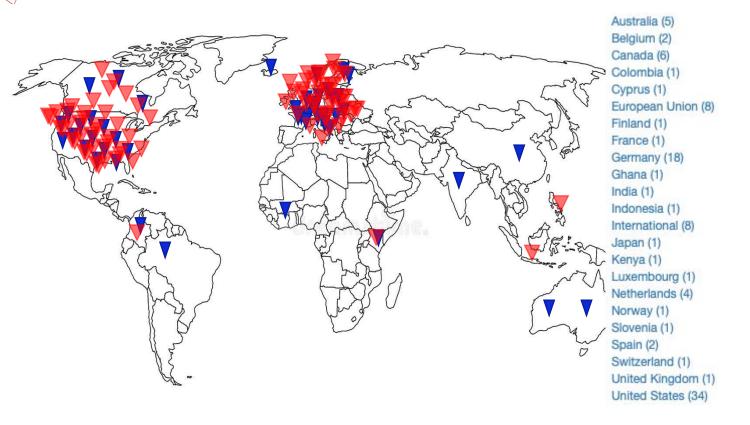
# Climate data repositories around the world 1. International climate data repositories - 38





## Climate data repositories around the world

1. Institutional climate data repositories - 101





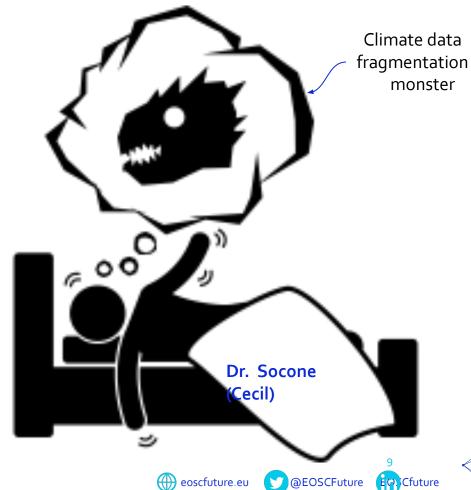












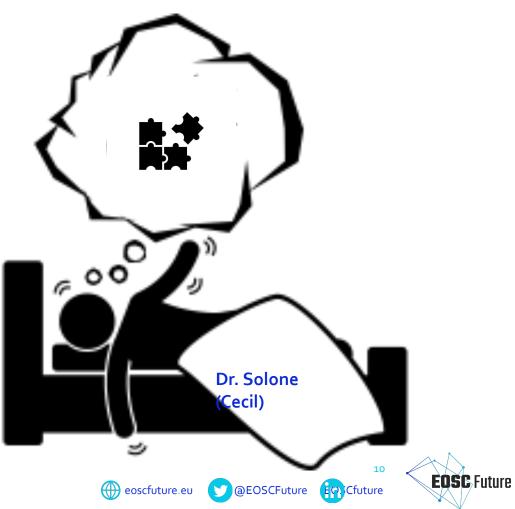














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#### Dr. Seco (Maximus)

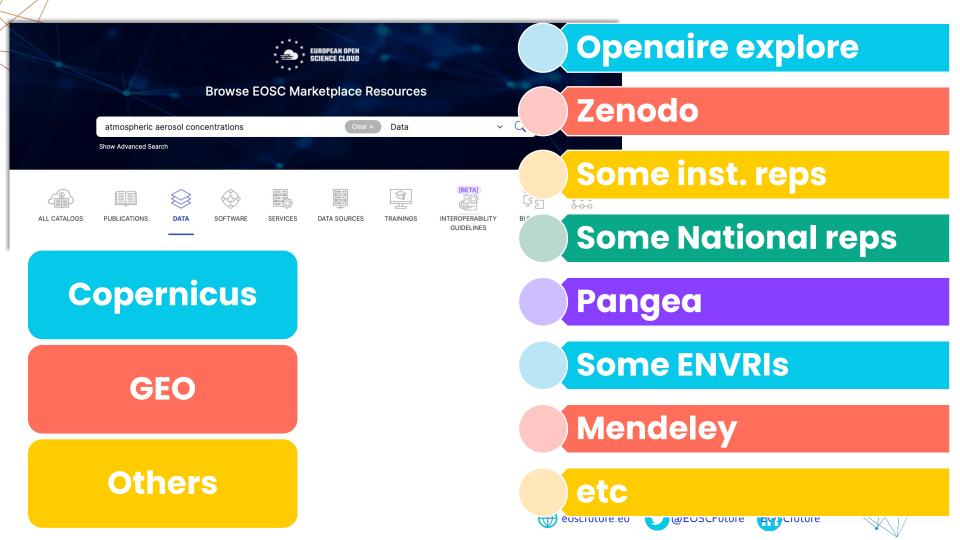














## Time spent on finding data

Dr. Socone











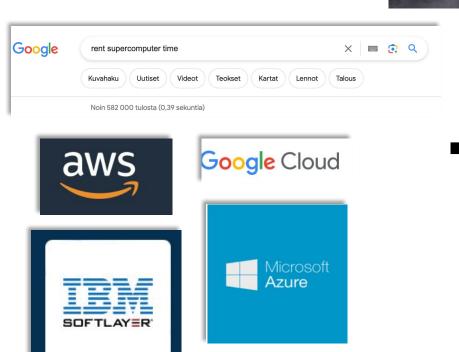


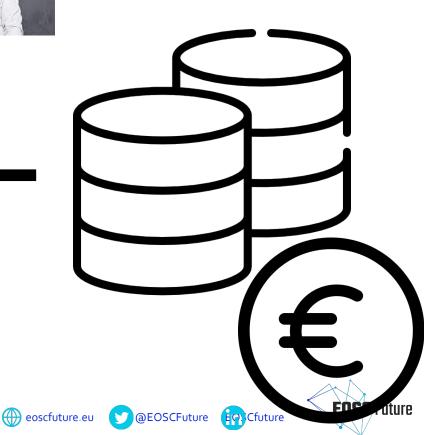


## **Computing resources**



Dr. Socone

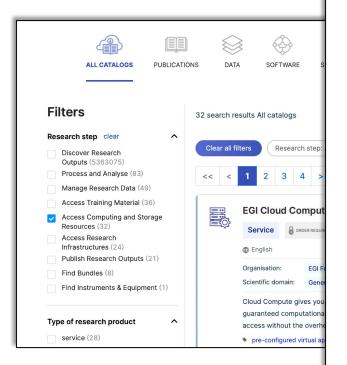




#### **Computing resources**

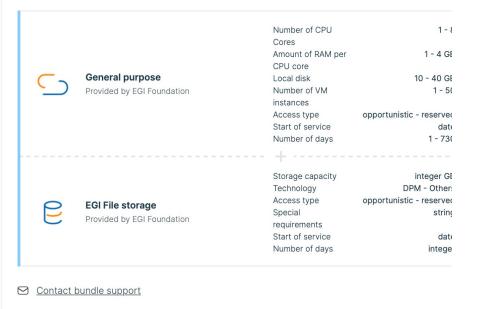






#### Run virtual machines on-demand with attached online storage

This bundle gives you the ability to deploy and scale virtual machines on-demand, that can also store data in attached online storage. This way the services you build can not only process but also store data in a reliable and high-quality environment and share it across distributed teams. Your data can be accessed through different stand can be replicated across different providers to increase fault-tolerance.



? Helpdesk

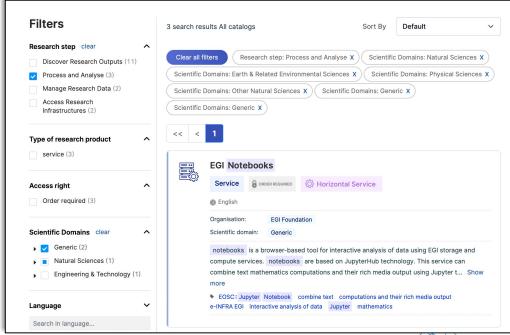
Select bundle



#### **Process and analysis**

#### Dr Socone

- Coding for days and days (and nights too)
- Sweating
- No success in finding other researchers scripts
- Sweating even more













In the pursuit of knowledge, the researcher is the torchbearer, but sometimes, they need a brighter torch. Is that EOSC?











#### Some sort of famous last words

- EOSC as a functional(ish) tool
- 2. Future is dynamic for EOSC
  - Enhance infrastructure
  - b. New services
  - Technological advancement (AI, blockchain technology, quantum computing)
  - d. Expanding community engagement efforts
- 3. Researchers to transition to EOSC
- 4. As stakeholders in the world of research, we all have a role to play in shaping the future of EOSC.











## SOCONE

**SECO** 









