

[illegible]

Holger Angenent

CS3: community of practice since 2014

- File Sync & Share services operated by...
  - Research labs, NRENs, Universities, companies,...
  - 130+ organisations, 30+ service nodes, 25 countries
  - > 400K users, >16 PB data, >3.5 billion objects
- User environments, higher level applications
  - editors, data analysis, metadata, transfer...



<http://www.cs3community.org>



København 2020



Roma 2019



Kraków 2018



Amsterdam 2017



Zürich 2016



Genève 2014

- Science Mesh - global collaboration platform for researchers
  - Integrating (open) data and (open-source) tools
  - Provided as building block for European Open Science Cloud (EOSC)
- Open, bottom-up approach
  - Applications: working closely with users communities we take existing best practices, services and technologies, improve them and open up for other scientific communities



**Science  
Mesh**



**EUROPEAN OPEN  
SCIENCE CLOUD**





**Holger Angenent**  
University of Münster  
Head of eScience  
infrastructure group



**Lennart Hofeditz**  
University of  
Duisburg-Essen  
PhD student in  
Professional  
Communication in  
Electronic Media  
Group/Social Media

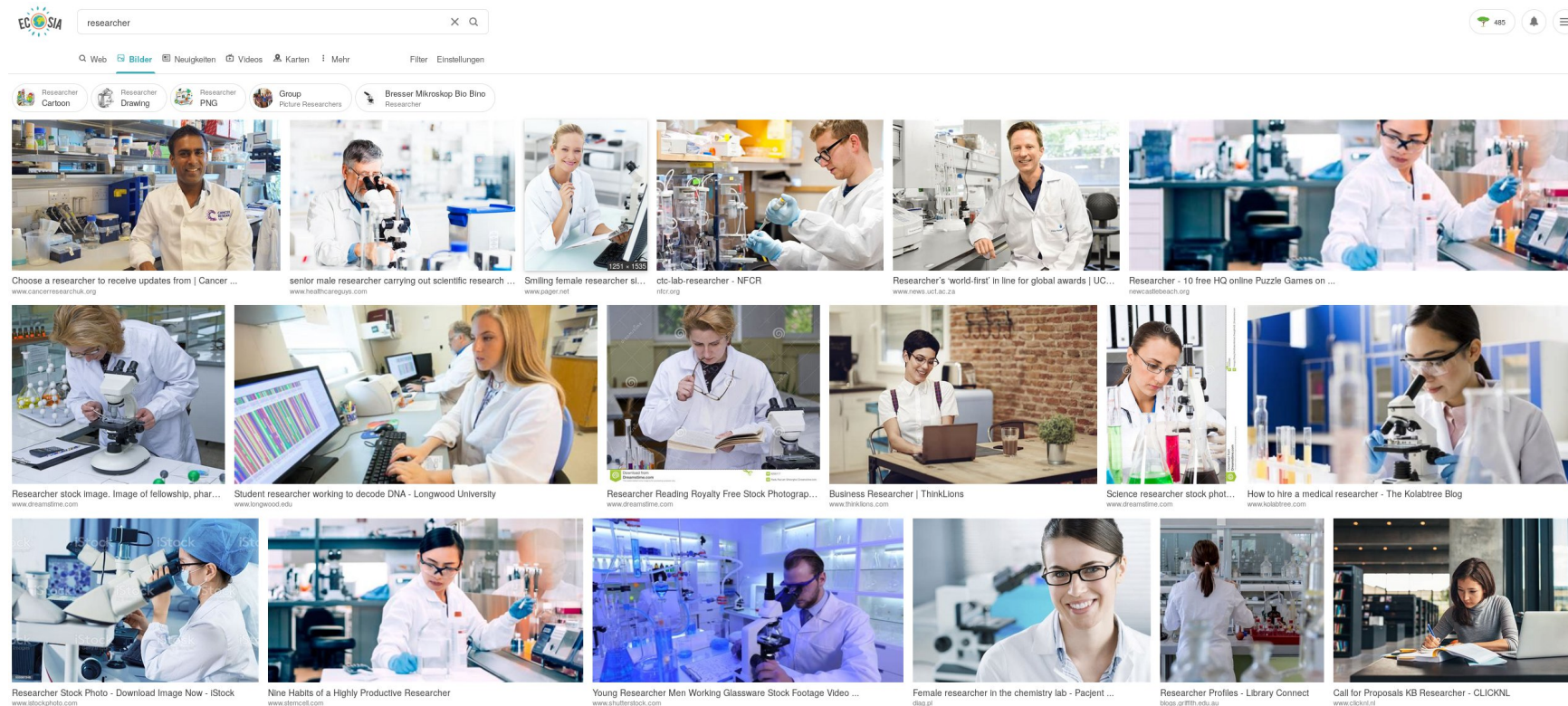


**Ron Trompert**  
SURF  
Head of Online Data  
services group



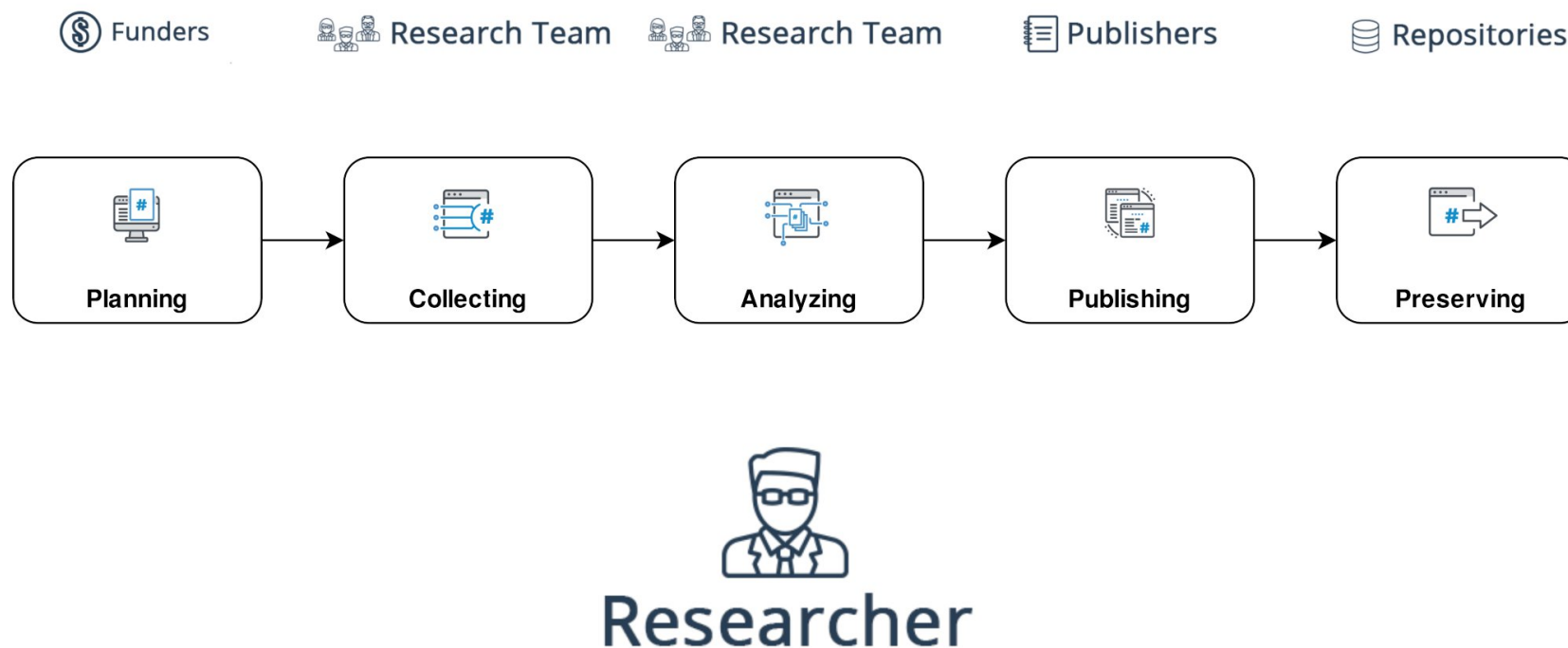
**Timothy Shimwell**  
ASTRON/SURF  
Associate scientist at  
The Netherlands  
Institute for Radio  
Astronomy

What do researchers need for their work? -> Ask the internet:



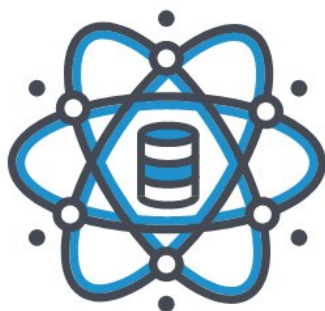
Everybody needs lab coats and microscopes...

What do researchers need for data management?



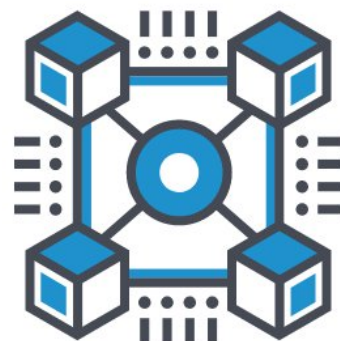


## THE SCIENCE MESH DATA SERVICES



### Data Science Environments

To facilitate collaborative research and enable **cross-federation sharing** of **computational tools, algorithms** and **resources**.  
[Read more](#)



### Open Data Systems

To add **metadata** and publish datasets with **persistent identifiers** directly on the **Science Mesh** sites or to external data **repositories**.  
[Read more](#)



### On-demand Data Transfers

To allow efficient **data-based collaboration** on **on-demand** basis.  
[Read more](#)



### Collaborative Documents

To be able to **simultaneously edit documents** in **safe, EU-based, cloud** environments.  
[Read more](#)



## Collaborative Documents

To be able to **simultaneously edit documents** in **safe, EU-based, cloud environments**.

 Funders

 Research Team

 Research Team

 Publishers

 Repositories



## Researcher





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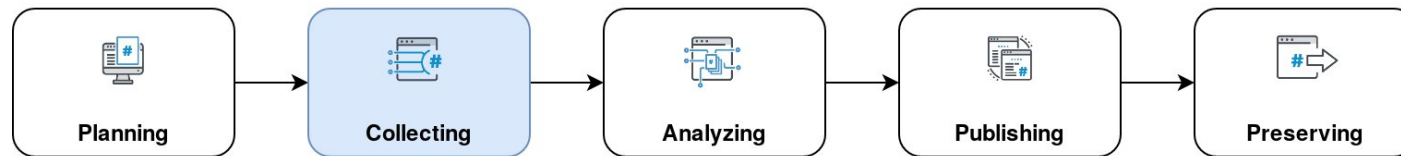
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Researcher

Let's listen to the researchers

- Finalize integration in WebUI
  - Nextcloud implementation is currently under construction
  - OwnCloud (10) support will follow closely afterwards
- Roll out services in first systems
- Get feedback from users



**Thank you!**  
Discover more on...

 [cs3mesh4eosc.eu](https://cs3mesh4eosc.eu)

 [company/cs3mesh4eosc](https://company.linkedin.com/cs3mesh4eosc)

 [CS3org](https://twitter.com/CS3org)

 [CS3MESH4EOSC Project](https://www.youtube.com/channel/UCHKcZEKmqXjCvc3MLFjFxbw)

<https://www.youtube.com/channel/UCHKcZEKmqXjCvc3MLFjFxbw>



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