



**CS³
MESH⁴
EOSC**

Connecting European Data



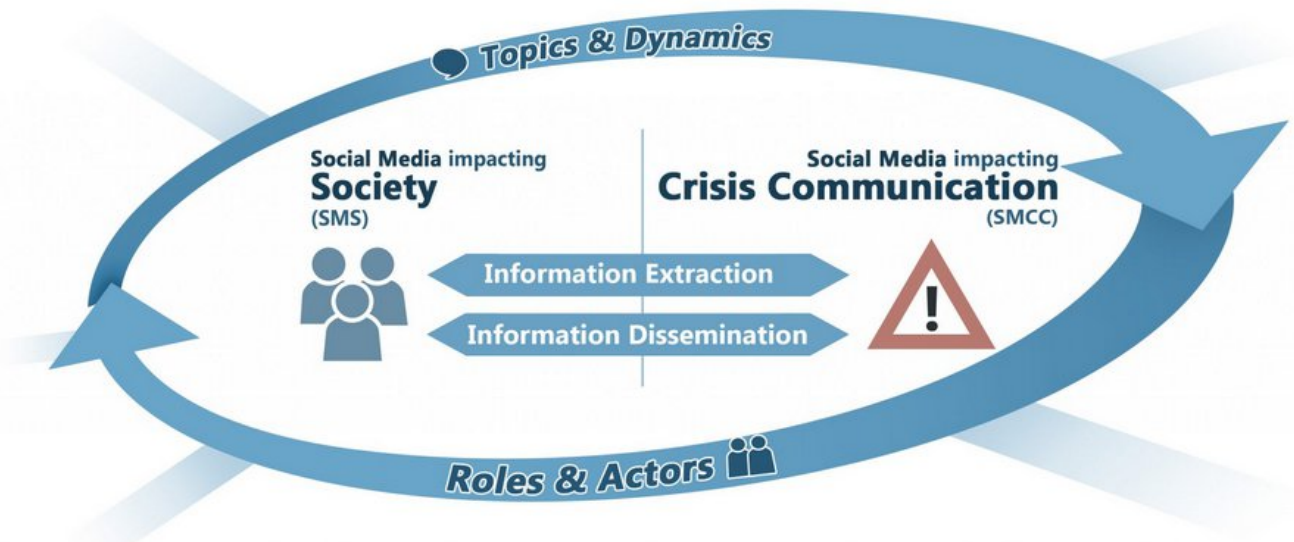
Collaborative Documents

Holger Angenent



CS3MESH4EOSC has received funding from the European Union's Horizon 2020 Research and Innovation programme under **Grant Agreement No. 863353**.

- Social Media Analytics for Society and Crisis Communication
- <https://social-media-analytics.org/>
- Project partners world wide

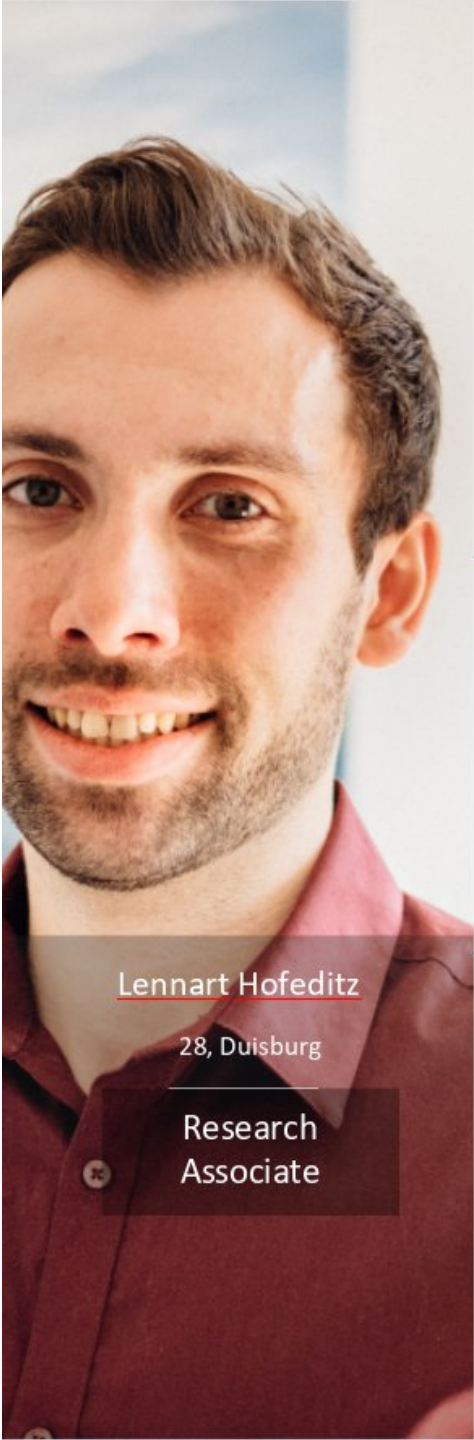


A Global Network of Excellence





- ✦ File types used by the project: Social Media data (CSV or .graph), questionnaires (CSV, txt, or HTML), survey data (CSV, Excel, SPSS). Scripts in R, Json, Python (sentiment analysis for social media data, or generation of dashboards), docx and citations in bib
- ✦ Mix of corporate office documents and flat text
 - ✦ T4.3 solution: Collabora and CodiMD are logical editor choices
 - ✦ Broad array of filetypes; little self-evident structure. Difficult to Preserve/Publish



Lennart Hofeditz

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Research Associate

BIOGRAPHY

Lennart holds a Master's degree in Applied Cognitive and Media Sciences and has been working on his PhD in Business Information Systems in the research group of Professional Communication in Electronic Media / Social Media at the University of Duisburg-Essen since April 2019. Apart from that, Lennart is self-employed in the field of user experience consulting.

Motivation



User Stories

1. I would like to publish datasets on unpublished studies if it results in more citations and higher visibility in research in order to being able to contribute to the Open Science movement.
2. I want to manage my research data carefully and in one platform I already use to meet the requirements of scientific journals and project sponsors.
3. I want to be able to publish my data to different platforms as quickly as possible, as different outlets and project sponsors have different requirements.

Projects

01/2019-12/2022
RISE_SMA

Social Media Analytics for Society and Crisis Communication

[Project website](#)

Funding: [European Union \(EU\)](#)

Partner: Universities of [Agder](#) , [Leiden](#) , [Sydney](#) , [QUT](#) , [UNISINOS](#) , [Padjajaran](#) as well as [Kommune Kristiansand](#) and [Virtimo AG](#)

04/2019-09/2022
sciebo RDS

sciebo Research Data Services (II) - Forschungsdatenmanagementdienste und -werkzeuge für Wissenschaftler

Funding: [Deutsche Forschungsgemeinschaft](#)

Partner: [WWU Münster - Zentrum für Informationsverarbeitung](#) (Dr. Raimund Vogl) und [WWU Münster - Universitäts- und Landesbibliothek](#) (Dr. Beate Tröger)

01/2021 – 31/12/21

Practitioners projects

VIRTIMO

AGRAVIS
RAIFFEISEN AG

hilgenstock baulemente

“
Research data management is usually very inconvenient, as existing tools are not very user-friendly.
”

Skills



Research interests

- Virtual collaboration and socio-technical systems
- Artificial Intelligence & Ethics
- Virtual assistants/ conversational agents in organizations
- Research Data Management/ Open Science
- Bots in crisis communication/disaster management

Frequently used apps



For our globally distributed project, we are in need of a sync and share platform with an integrated collaborative editing solution.

- + Often, users want to work at documents simultaneously
- + When shared only via email, conflicts are likely
- + With users on different EFSes, a mix of incompatible editors is likely
- + Collabora and CodiMD are currently available as editors for different types of office documents. Ability to edit office files is relevant to almost all users (who doesn't have office files?)
- + In future: OnlyOffice integration, aiming at 100% MS Office compatibility
- + WOPI as a powerful basis for future integrations



- + Lightweight markdown editor
- + No big overhead or complicated menus, just type your content
- + Ideal as note taking tool, grasp some ideas while talking about it, easily write simple structured documentation
- + Data still resides in EFSS

The screenshot displays the CodiMD interface. The top navigation bar includes the CodiMD logo, editing tools (edit, view, dark mode, help, camera), a 'Präsentationsmodus' button, a 'Menü' dropdown, and a '3 ONLINE' indicator. The left pane shows a markdown editor with the following content:

```
1 # Archivierung und Exportierung
2 1. Als Nutzer möchte man einen Ordner aus Sciebo zu verschiedenen
3 Repositorien exportieren können, um die enthaltenen Daten einer
4 Öffentlichkeit zur Verfügung zu stellen. (PA1 S. 6)
5 2. Als Nutzer möchte man beim Exportieren nach Informationen
6 befragt werden, welche für die Exportierung benötigt werden, welche
7 nicht aus
8 den bereits abgegebenen Informationen extrahiert werden können.
9 Dies dient der Nutzbarkeit von bereits abgegebenen
10 Informationen.
11 (PA1 S. 6)
12 ## Architektur
13 1. Als Sciebo Service Provider möchte man eine hohe
14 Ausfallsicherheit haben, um den Nutzern einen reibungslosen Dienst
15 anbieten zu können
16 und den Support-Aufwand gering zu halten.
17 2. Als Sciebo RDS Entwickler möchte ich einen Microservice
```

The right pane shows the rendered document with the following structure:

CHANGED A DAY AGO FREELY

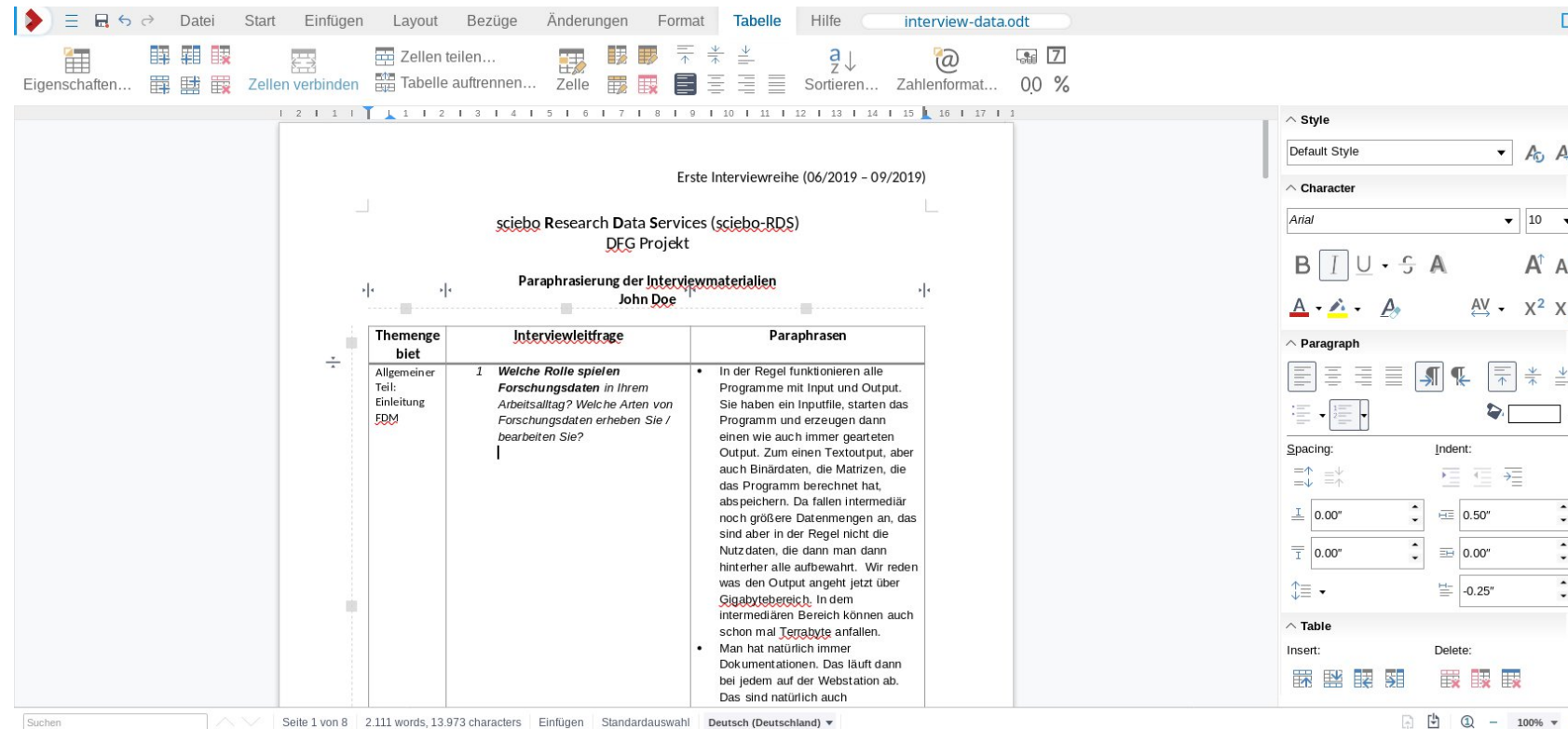
Archivierung und Exportierung

1. Als Nutzer möchte man einen Ordner aus Sciebo zu verschiedenen Repositorien exportieren können, um die enthaltenen Daten einer Öffentlichkeit zur Verfügung zu stellen. (PA1 S. 6)
2. Als Nutzer möchte man beim Exportieren nach Informationen befragt werden, welche für die Exportierung benötigt werden, welche nicht aus den bereits abgegebenen Informationen extrahiert werden können. Dies dient der Nutzbarkeit von bereits abgegebenen Informationen. (PA1 S. 6)

Architektur

1. Als Sciebo Service Provider möchte man eine hohe Ausfallsicherheit haben, um den Nutzern

- ✦ Powerful editor especially for, but not limited to Open Document format
- ✦ Texts documents, spread sheets and presentations can be edited



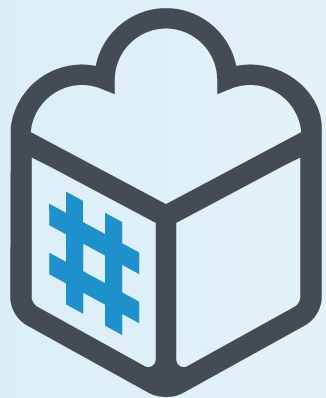
- ✦ Editors that can be used from all over the EFSS involved are a strong basis for collaborative work in international projects.

- ✦ Or in Lennart Hofeditz' words:

“The work done to-date in ScienceMesh' t4.3 has worked wonders to accelerate my science. I hope *all* my international collaborators will join the ScienceMesh.”



This presentation was collaboratively created in OnlyOffice :)



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Thank you!
Discover more on...

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

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

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

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

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



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