

Implementing the GreyGuide Repository within the D4Science Infrastructure

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The goal

To implement and operate the **GreyGuide Repository** within the D4Science infrastructure, with the objective of guaranteeing its **sustainability, technological evolution, and long-term availability**.



Repository and Portal to Good Practices and Resources in Grey Literature

-  Established in **2013**
-  International grey literature initiative
-  GreyNet + ISTI-CNR collaboration
-  Aggregates conference papers, posters, presentations, data papers and related resources
-  Focus on **visibility, preservation, and interoperability**



-  Operating since **2014**
-  Open Science infrastructure
-  **29,000+** users worldwide
-  **250+** Virtual Research Environments (VREs)
-  **30** Science Gateways
-  **FAIR** and **Open Science** services

Realizing a Repository by a Community-curated Catalogue



Configurable data model

Define and adapt metadata schemas and fields to fit your domain.



Wizard-based publishing

Step-by-step guidance to easily create and publish high-quality content.



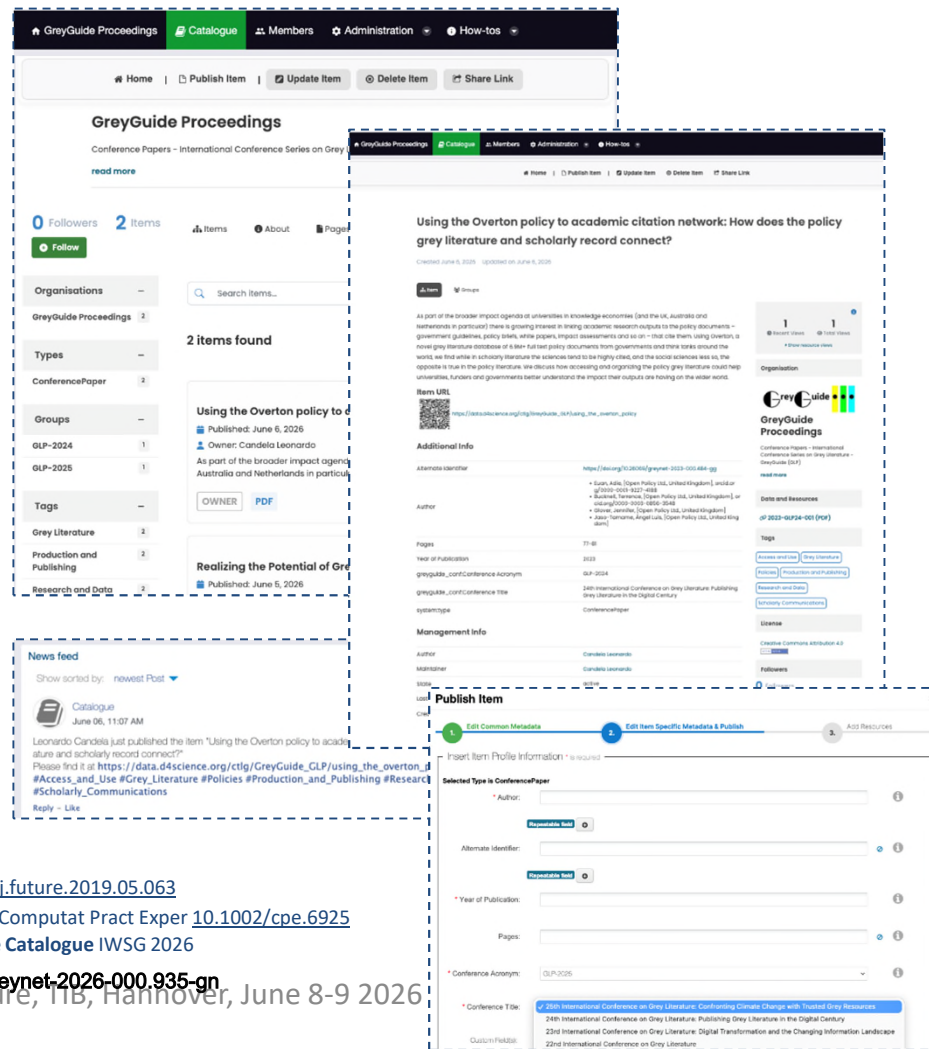
Content advertisement

Promote records and collections to increase visibility and engagement.



Usage indicators

Monitor views, downloads and interactions to understand impact and usage.



The image displays three overlapping screenshots of the GreyGuide Proceedings web application. The top-left screenshot shows the 'GreyGuide Proceedings' homepage with a navigation bar and a list of items. The top-right screenshot shows the details of a specific item, 'Using the Overton policy to academic citation network: How does the policy grey literature and scholarly record connect?'. The bottom screenshot shows the 'Publish Item' wizard, which guides the user through the process of adding metadata and publishing the item.

M. Assante et al (2019) [Enacting Open Science by D4Science](https://doi.org/10.1016/j.future.2019.05.063) Future Generation Computer Systems 10.1016/j.future.2019.05.063

M. Assante et al (2022) [Virtual Research Environments co-creation: the D4Science experience](https://doi.org/10.1002/cpe.6925) Concurrency Computat Pract Exper 10.1002/cpe.6925

M. Assante et al. (2026) [Publishing as a First-Class Service in Virtual Research Environments: The D4Science Catalogue](https://doi.org/10.26069/greynet.2026.000.935-gn) IWSG 2026

<https://doi.org/10.26069/greynet.2026.000.935-gn>

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The ongoing journey



1 Set up a dedicated gateway



2 Deploy a community catalogue



3 Configure the catalogue concerning the typology of items to publish, their metadata, and the publishing workflows



4 Deploy a number of VREs to collaboratively populate and curate catalogue contents



5 Release the first version of the platform and involve the community in its development

Thank you



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 **GreyGuide Gateway on D4Science**
<https://greyguide.d4science.org/>



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