

Implementation strategies for Gaia-X Federation Services: Project progress and new requirements – a delta study with an outlook

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Key Findings

Key findings of the study:

- 1 Positive project developments compared to last year
- 2 Successful communication; helpful and informative events
- 3 Variety of information materials appreciated
- 4 Maintaining technical depth at events desired
- 5 Transparency about future developments requested
- 6 Future challenges: Documentation and monetary framework



A two-stage procedure for data collection.

Stage 1: Online survey

- 14 participants:
Consortium leaders and technical leaders –
from all 11 projects.

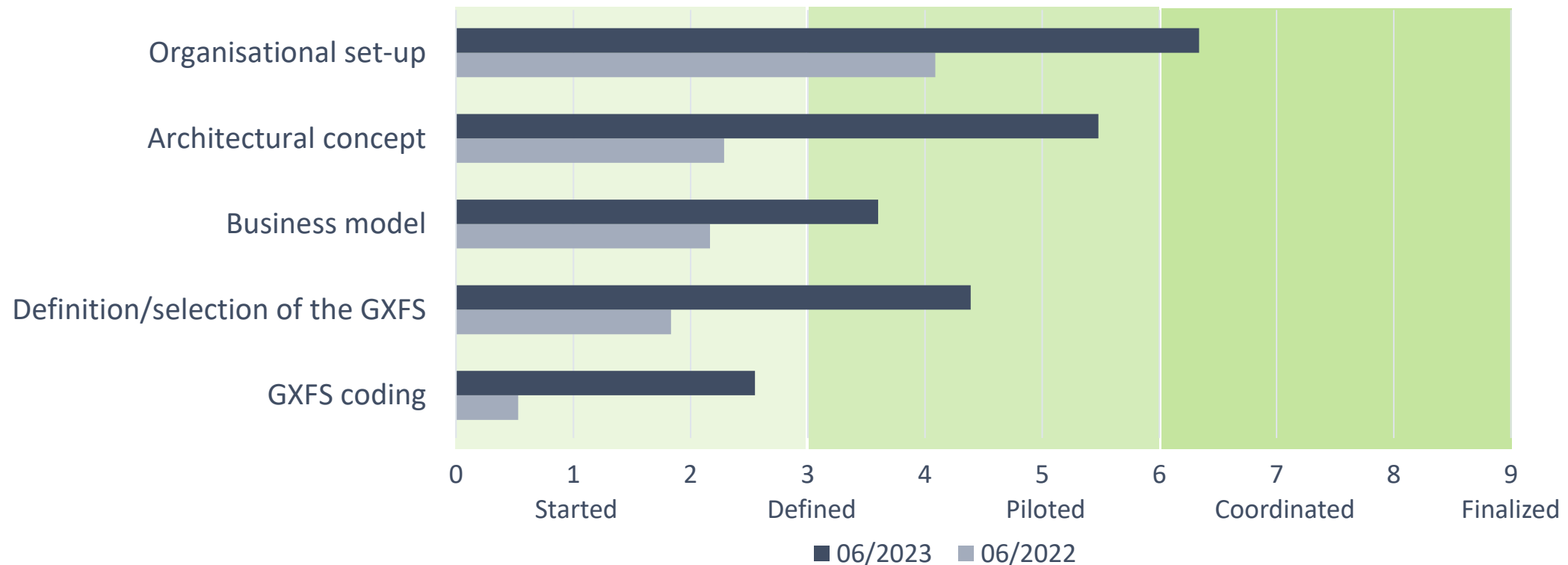
Stage 2: Expert interviews

- 5 deep dive interviews -
to reflect different project phases.

① Online-survey: Project progress 2023 vs 2022

All projects made great progress in implementation over the past year. Remaining challenge: Business models

How would you evaluate the progress of the project over the last 12 months?

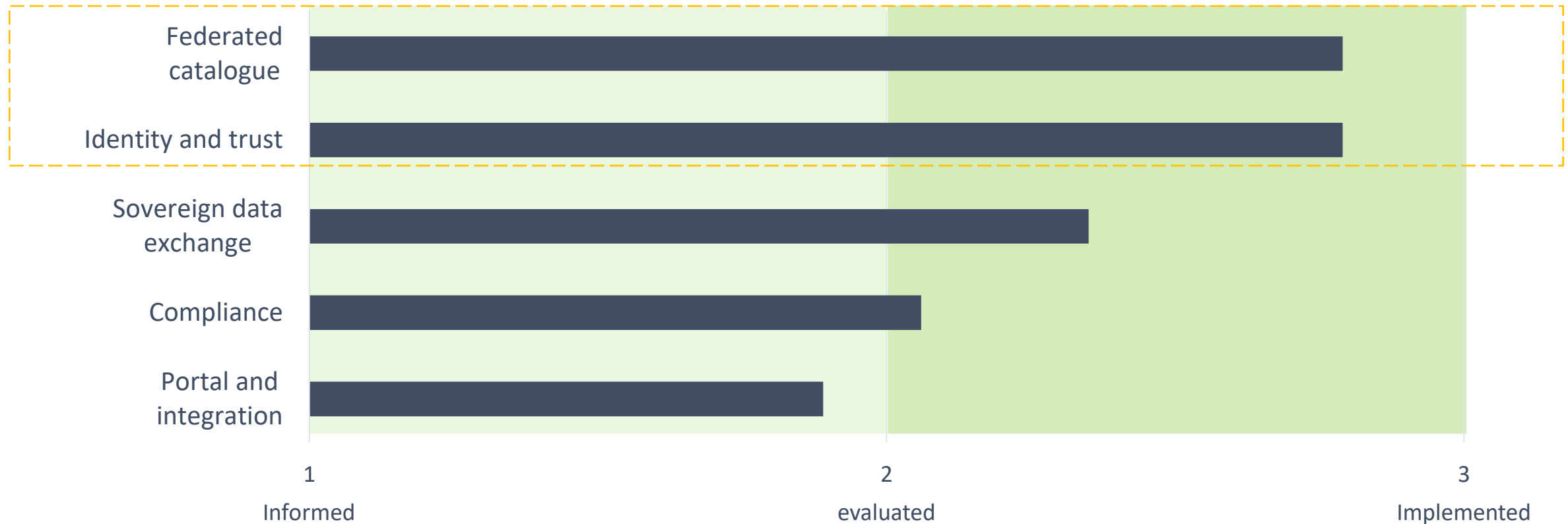


Source: Follow-up online survey of consortium and technical leaders of funded projects; Boecker-Ziemen, July 2023; n=14

① Online survey: Level of knowledge and usage of GXFS

The implementation of federated catalogue and identify and trust is the most advanced.

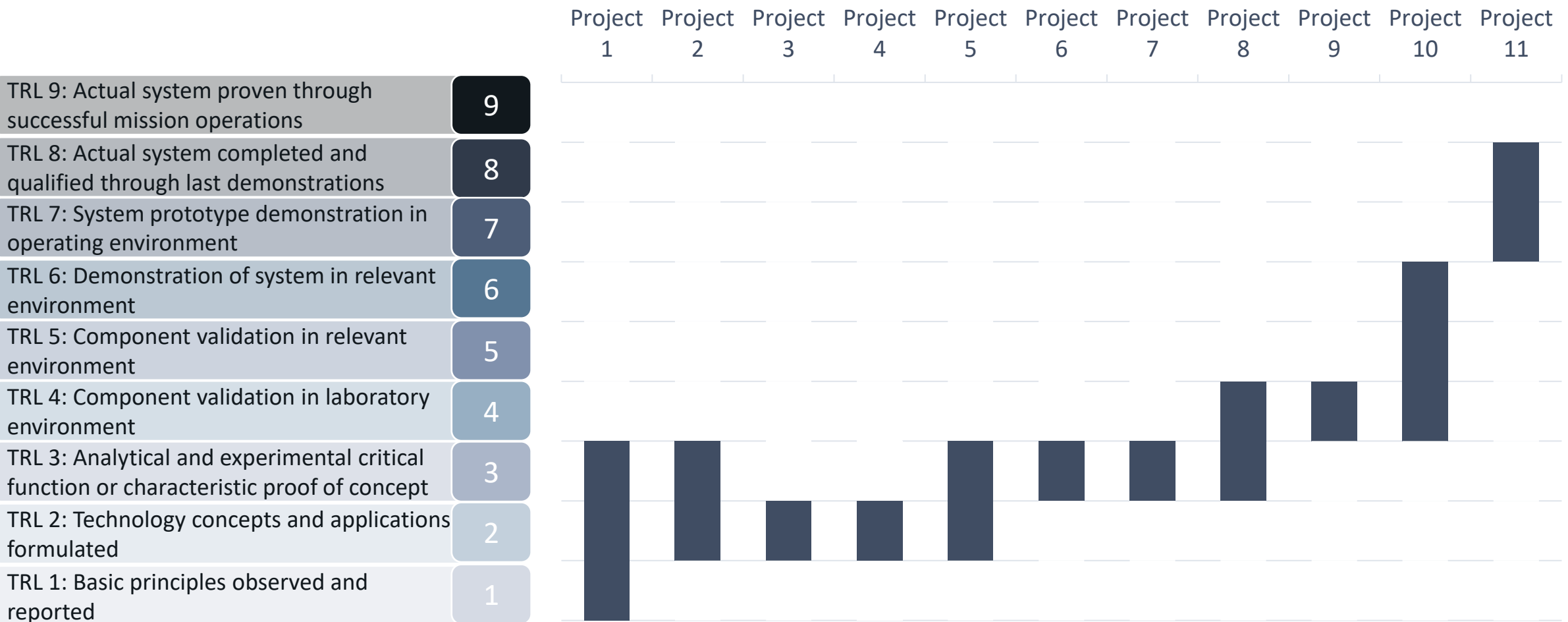
To what extent has your level of knowledge and implementation changed with regard to these work packages and the service components they contain?



Source: Follow-up online survey of consortium and technical leaders of funded projects; Boecker-Ziemen, July 2023; n=14

1 Online survey: Technology Readiness Level

Most projects are in the middle stages of technology implementation (according to self-assessment).

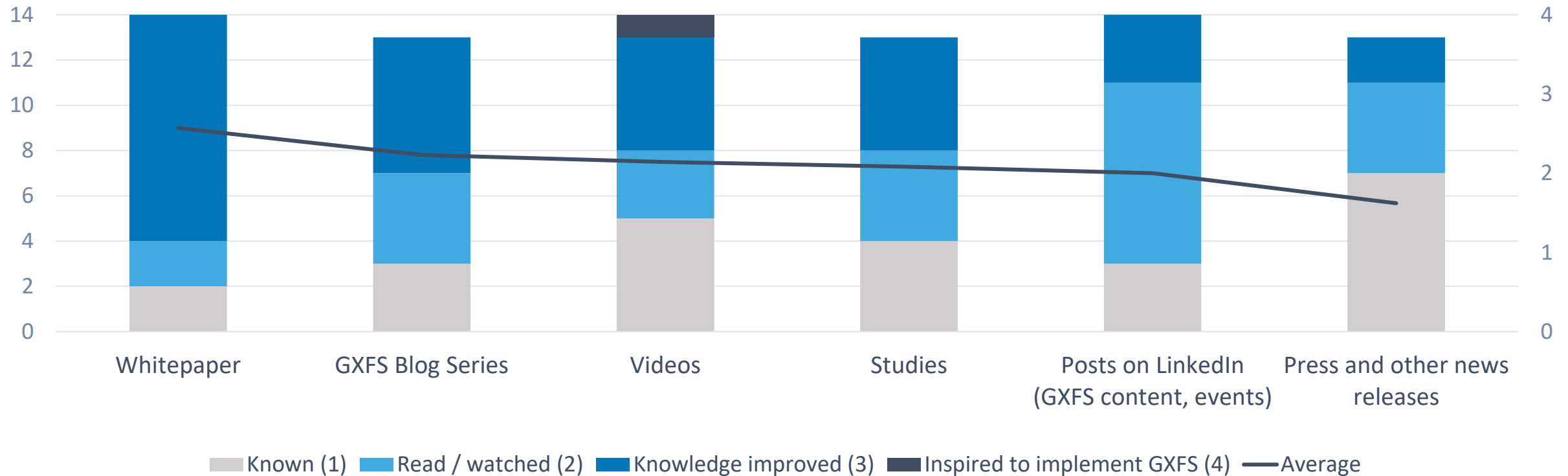


Source: Follow-up online survey of consortium and technical leaders of funded projects; Boecker-Ziemen, July 2023; n=14

② Online survey: Evaluation of information materials

Especially white papers, GXFS blog series and informational videos improve the knowledge level about GXFS.

Which of the information sources and materials do you know and use and to what extent are they helpful for your work?

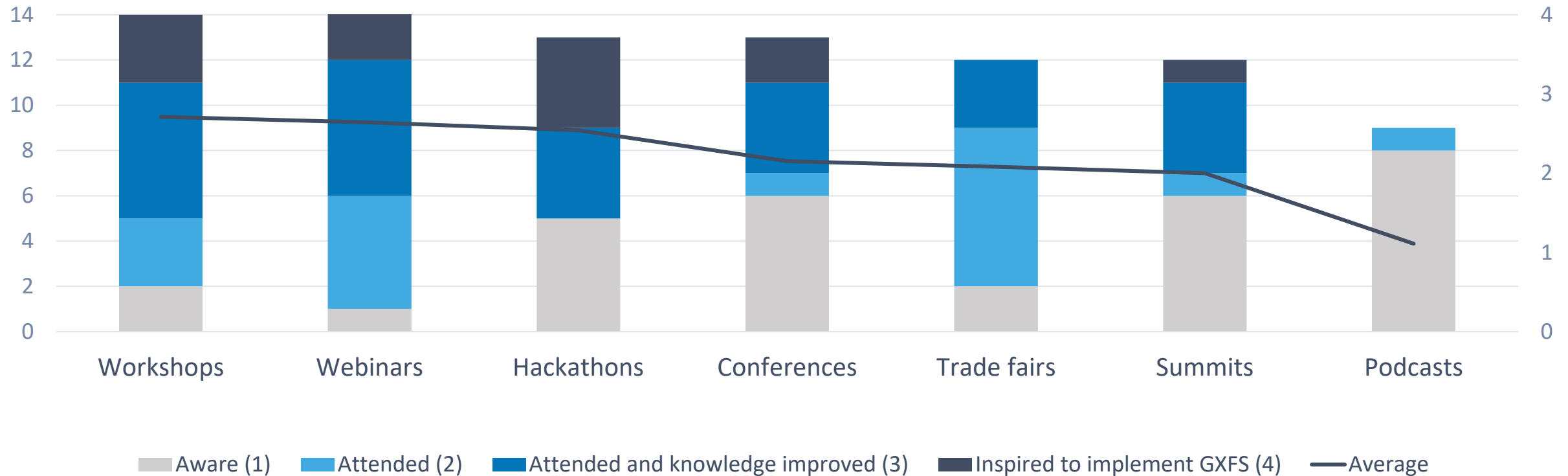


Source: Follow-up online survey of consortium and technical leaders of funded projects; Boecker-Ziemen, July 2023; n=14

② Online survey: Evaluation of events

Community events are the most valuable: workshops, webinars and hackathons.

Which of the events do you know and attend and to what extent are they helpful for your work?



Source: Follow-up online survey of consortium and technical leaders of funded projects; Boecker-Ziemen, July 2023; n=14

③ Interviews: Variety of info materials appreciated



- Multiple sources of information should be used and retained.
- Access to content should be simple, understandable and meet the needs of participants.
- Application of diverse information sources intensifies knowledge and provides targeted support.

④ Interviews: Maintaining technical depth at events



- Continuation of the various event formats: workshops, hackathons, conferences, trade fairs and summits
- Special attention should be paid to technical depth and knowledge sharing to support projects in technical implementation.

5 Interviews: Transparency about developments



- Increased transparency: comprehensive coding documentation.
- Timing of documentation.

⑥ Interviews: Future challenges



- Communication of planned developments in GXFS on a regular basis and at an early stage.
- Presentation of a strategic roadmap to ensure more reliability regarding future developments.
- Improvement of technology documentation is desired, as well as the addition of support with commercial and legal matters.



1. Especially due to events, the information level about GXFS has increased. The projects' organization and architecture advanced substantially as well.
2. The Gaia-X projects are using the GXFS components - especially identity and trust as well as federated catalogue components.
3. There is a desire for more extensive documentation along with clarity regarding commercialization and the legal framework.

A photograph of a white lighthouse with a black lantern room, situated on a rocky island. The lighthouse has a small white building at its base and a set of stairs leading up to it. The background shows a calm sea and a sky with soft, colorful clouds from the setting or rising sun. The overall tone is serene and contemplative.

**Biggest challenge for the future:
Building up a sustainable free and open-source
software (FOSS) community to maintain and
enhance GXFS components.**

Thank you for your attention!

**The full study results will be published in the
coming weeks at www.gxfs.eu**