



Authentication and Authorisation for Research and Collaboration

FIM4R – tracking progress

Authentication and Authorisation for Research and Collaboration

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- *FIM4R (Federated Identity Management for Research) is a collection of research communities and infrastructures with a shared interest in enabling Federated Identity Management for their research cyber infrastructures*
- FIM4R version 1 paper – presented at TNC2012 in Reykjavik
- **FIM4R version 2** paper – final draft published at TNC18
- <http://doi.org/10.5281/zenodo.1296031>
 - Published on 9 July 2018
- *40 Authors*
- *~40 Pages*
- *~40 Requirements*



Federated Identity Management for Research Collaborations

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ABSTRACT

This white-paper expresses common requirements of Research Communities seeking to leverage Identity Federation for Authentication and Authorisation. Recommendations are made to Stakeholders to guide the future evolution of Federated Identity Management in a direction that better satisfies research use cases. The authors represent research communities, Research Services, Infrastructures, Identity Federations and Interfederations, with a joint motivation to ease collaboration for distributed researchers. The content has been edited collaboratively by the Federated Identity Management for Research (FIM4R) Community, with input sought at conferences and meetings in Europe, Asia and North America.

13th FIM4R Meeting at TIIME event, Vienna – 11th February 2019

- Agenda and presentations at <https://indico.cern.ch/event/775478/>
- Many presentations from research communities, infrastructures and solution providers
- Discussion on tracking/monitoring the impact of the version 2 paper
- How do we track the solutions and improvements that address the 9 recommendations and 40 requirements expressed?
 - continued later in the week in a session during the TIIME 2019 conference
- Agreement:
 - FIM4R to survey/consult the stakeholders to whom the 9 recommendations were aimed
 - To be launched soon after REFEDS meeting at TNC19
 - The responses will be analysed in the form of a short status report (a version 2.1 paper) in 2020 (for TNC20?)



Stakeholders/Groups

- GÉANT, Internet2, NRENs
- Research funding bodies
- Home organisations
- R&E federations
- eduGAIN operator
- Research e-Infrastructures
- Research community proxies
- Research communities
- REFEDS

Categories of Recommendation

- Governance and coordination
- Baseline of research user experience
- Security incident response readiness
- Harmonisation of research community proxy operations and practices
- Sensitive research user experience

Stakeholders, groups and recommendations (1)

Groups	Recommendations
GEANT, Internet2, NRENS	<ul style="list-style-type: none"> Increase research representation in FIM governance Sustain operation of critical FIM services Provide avenues for ongoing coordination
Research funding bodies	<ul style="list-style-type: none"> Sustain operation of critical FIM services Provide avenues for ongoing coordination
Home organisations	<ul style="list-style-type: none"> Release Research & Scholarship attributes Provide usability essentials Security Incident Response Readiness Sensitive Research User Experience
R&E federations	<ul style="list-style-type: none"> Increase research representation in FIM governance Sustain operation of critical FIM services Provide avenues for ongoing coordination Release Research & Scholarship attributes Provide usability essentials Remove interoperability barriers in eduGAIN metadata processes Admit research organisations to federation Security Incident Response Readiness

Stakeholders, groups and recommendations (2)

Groups	Recommendations
eduGAIN operator	Remove interoperability barriers in eduGAIN metadata processes Security Incident Response Readiness
Research e-Infrastructures	Sustain operation of critical FIM services Re-use shared AAI and related services
Research community proxies	Enable researcher mobility Security Incident Response Readiness Follow the proxy model and related AARC guidelines Re-use shared AAI and related services Sensitive Research User Experience
Research communities	Re-use shared AAI and related services
REFEDS	Sensitive Research User Experience

Feedback on the impact of version 2 paper?

- Identifying/reaching out to stakeholders
 - Some are clear and obvious
 - We have asked REFEDS and R&E Federations (TNC19)
 - Research communities – FIM4R
 - Research and e-Infrastructures – we know who they are
- Home organisations, funding bodies, NRENs ...
 - Ask FIM4R and REFEDS members for info re these Stakeholders and their response to FIM4R v2
- **What has changed in response to the V2 paper?**
- Is there other FIM4R version 2 impact we are not yet aware of?
 - Even if not directly related to the recommendations/requirements
- **Aiming for a published update in mid 2020 (for TNC20?)**
- **All communities welcome to join in**
- Opportunity to work on this at TechEx, New Orleans (8-13 Dec 2019)
- Next FIM4R F2F likely to be in Vienna at TIIME 2020 (17-20 Feb 2020)

Thank you
Any Questions?



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