Services Roadshow by

base4 ofdi

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# IAM4nfdi

**Identity and Access Management** 

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on behalf of the project team:

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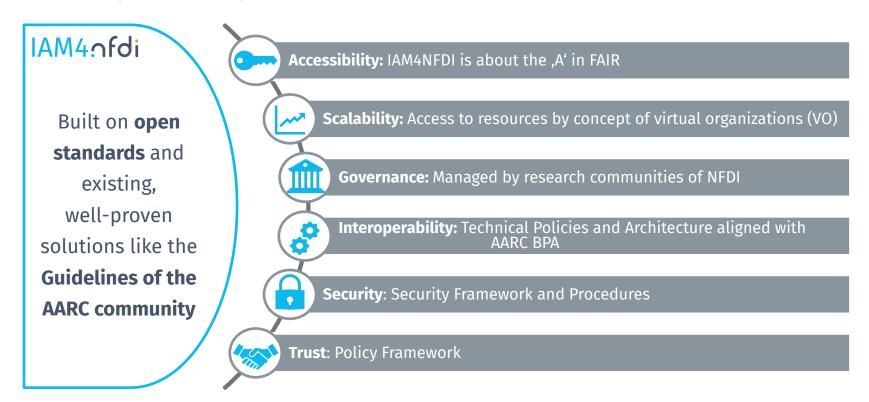
Funded by **DFG** as part of **NFDI**.





#### **About IAM4NFDI**

Overview of service benefits





## Where are we now, and where are we going?

Status of service development

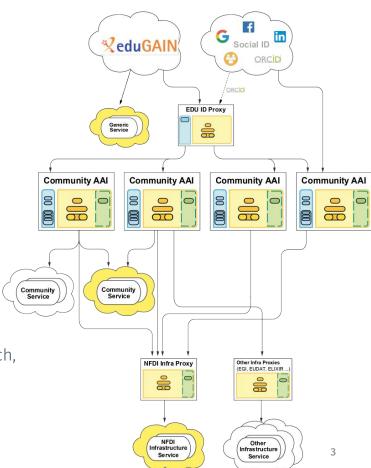
#### **NFDI-AAI**

- Architecture based on the AARC Blueprint Architecture
- 4 NFDI Community AAIs
  - AcadamicID
  - didmos
  - RegApp
  - Unity
- Identities: eduGAIN and national R&E Federations
- NFDI Infra Proxy
- Interoperability: with EOSC AAI and Infrastructures (NHR, EGI, LifeScienceAAI)

#### **Service Providers & Partners**

DFN-Verein, RWTH Aachen University, DAASI International, FZ Jülich, GWDG, KIT, RPTU Kaiserslautern-Landau

For more Information, visit our NFDI AAI Documentation

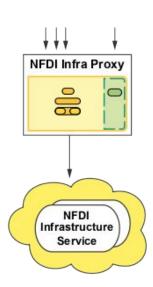




# **Infrastructure Proxy**

#### Service component

- The Infrastructure Proxy is supposed to be connected to all Community AAI instances
  - ... and to the central hub of the upcoming EOSC AAI Federation
- Integration point for services that address cross-community use cases, i.e. to make services available to users from the entire NFDI
- Brings together user information from different sources
  - Home IdPs from Identity Federations (DFN-AAI and eduGAIN)
  - ORCID and Social Login
  - DFN edu-ID and Guest IdPs
  - VO membership and resource capability information (Community AAIs)
- Forwards this information to the connected services (if required)
- Enables Identity Linking between Community AAIs and/or other identity sources



For more Information, visit our <u>NFDI AAI Documentation</u>



#### edu-ID

#### Service component

- DFN edu-ID, proxy-based architecture (upcoming DFN service, not part of the project)
- Lifelong, self-managed digital identity for research and higher education
- Provides an immutable persistent identifier
- Addresses the problem of "Researcher Mobility"
- Attribute aggregation and account linking from different sources like Home IdPs, ORCID and MyAccessID
  - planned → EOSC AAI Federation
- Can be used as Central Guest IdP



Do you need more information on edu-ID?



https://www.dfn.de/dfn-eduid-startet-in-die-pilotphase/

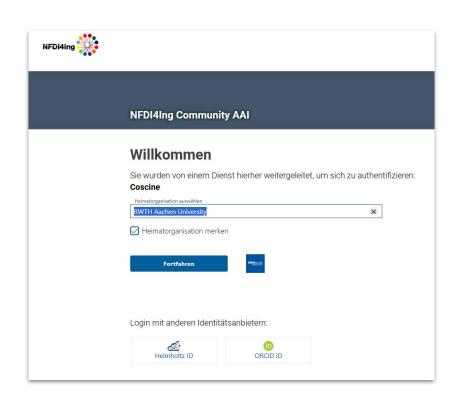


### **Concept Community AAI**

Service component

#### **Connecting your Service**

- SAML & OAuth2/OIDC
- Usage of common/standardized attributes
- Reliable set of available information
- No need to handle with multiple home organisations
- Contact the Community AAI operators for client requests



For more Information, visit our <u>NFDI AAI Documentation</u>



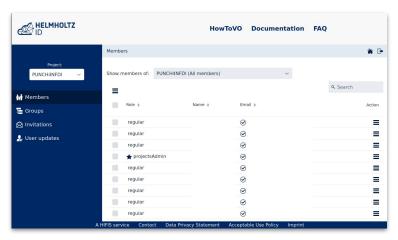
## **Concept Community AAI**

Service component

Management of groups within the community

- Communities are called Virtual Organisation
  (VO)
- Namespace per community/consortium under urn:geant:dfn.de:nfdi.de
- UI for management/invitation of the community members
- Subgroups to structure the community
- Permission management via roles/subgroups
- Contact the Community AAI Operators for a VO request

For more Information, visit our <u>NFDI AAI Documentation</u>



NFDI RegApp C	ommunity AAI							
и от кедарр о	ommunity AAI							
Project: IUC0	4 Model driven d	ata space explor	ation					
ID:	11913597	119135973						
Name:	IUC04 Mo	IUC04 Model driven data space exploration						
Groupname:	iuc04	iuc04						
Parent project:	NFDI-Mat	NFDI-MatWerk						
Available services								
	Link further	services						
Project members								
Surname ↑↓	Given name ↑↓	E-Mail ↑↓	Account ↑↓	Туре	Acti	on		
Politze					_			
	Marius	marius.politze@rwt	ocg4387@fels.scc.	MEMBER	Ô			



# **Community AAI** ↔ **Consortia Map**

Current IAM integration status in NFDI

**Covering 20/26 NFDI consortia** (~76.9 %)

(currently third round of incubators)

Different requirement profiles

- consulting and standard onboarding
- development of new features
- discussion of policies

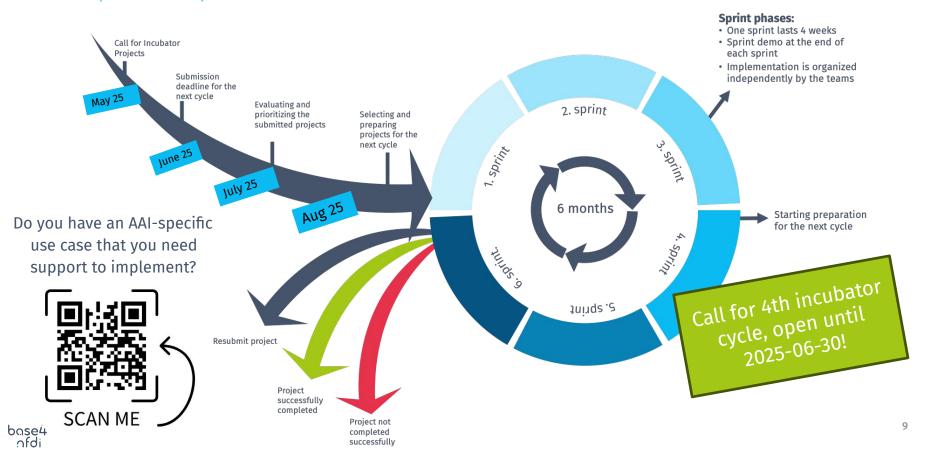
Consortium	Academic ID	didmos	RegApp	unity	other
BERD@NFDI				100	
DAPHNE4NFDI				×	4
DataPLANT					Х
FAIRagro					Х
FAIRmat				Х	4
GHGA					Х
KonsortSWD					-
MaRDI		Х			
NFDI4Biodiversity	Х				
NFDI4BIOIMAGE					
NFDI4Cat			Х		
NFDI4Chem			Х		
NFDI4Culture	14	Х			
NFD14DataScience			Х		
NFDI4Earth	X				
NFDI4Energy			Х		
NFDI4Health					
NFDI4Immuno			-	Х	
NFDI4ING			X		
NFDI4Memory					
NFDI4Microbiota					
NFDI4Objects		Х			
NFDI-MatWerk			Х		
NFDIxCS	X				
PUNCH4NFDI				Х	
Text+	Х				





#### **Get Involved: Incubator Process**

Shape and adopt the service



# Quiz: How are communities called in the CAAI context?



- **A)** Virtual Reality
- **B)** Organisational Units
- **C)** Virtual Organisations











# Thank you! Questions?





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base4nfdi.de/projects/iam4nfdi

