



Colaboración e innovación en la investigación europea en salud digital

Enzo Capone (content by Mario Reale)

Head of User Engagement and Product Management
GÉANT



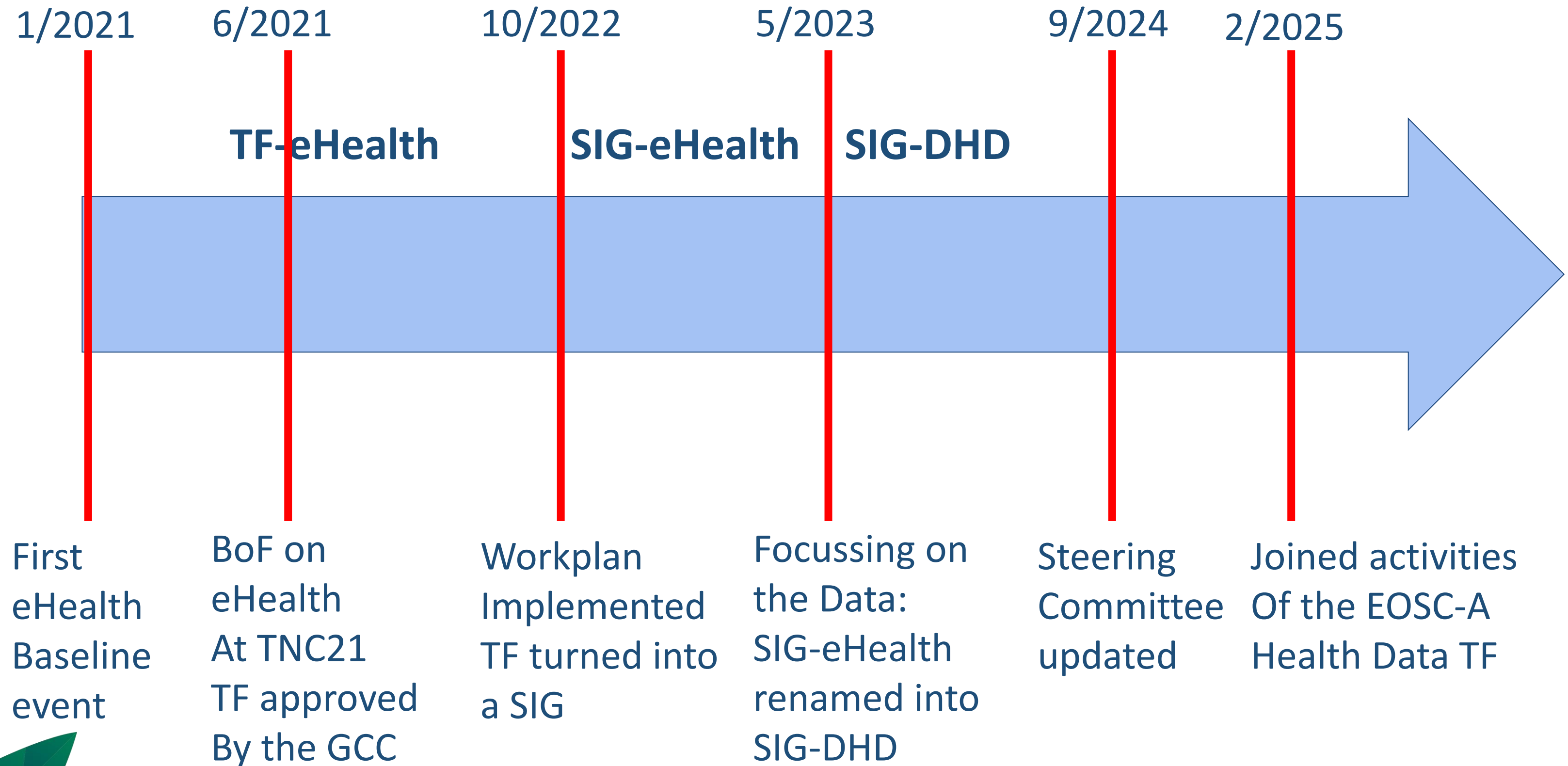
Agenda

- The European Landscape
- The e-Health Task Force (GÉANT Community Programme)
- NRENs and health data

The European Landscape


- The **European Health Data Space (EHDS)**:
New EU regulation adopted in March 2025 to manage the domain of Health Data for primary use (cure) and secondary use (research)
- The **HealthData@EU Central Platform**:
Digital system being developed by the EC to meet the requirements of the upcoming European Health Data Space Regulation and support decision-making by relevant Health Data Access Bodies.
- The **EOSC Association Health Data Task Force**:
Focusing on how the EOSC will support handling sensitive data and how EHDS-EOSC will interoperate
- The **THEDAS 2 project**:
Aimed at developing common guidelines and technical specifications to facilitate the access to health data for secondary purposes, such as research, innovation and policy making

GÉANT Community activities timeline



Baselining event: “what does eHealth mean for you?”





Outcomes of the baselining (technology)

- **Storage and data sharing services**
- **Cloud services** are very relevant to this community
 - Some NRENs offer cloud services to this community, either directly or by offering services from commercial providers
- **Artificial Intelligence and ML** applied to medical data sets identified as key technologies
 - Make sure the NREN community provides support for this
- **Privacy preserving/secure services** to eHealth providers and consumers
 - NRENs well positioned for this



Outcomes of the baselining (policy)

- Key policy areas
 - Data access
 - Enforcement of standards and FAIR principles
 - Trusted Research Environments
 - Evangelization to hospital's staff
- Consensus on common interests
 - Funding opportunities
 - Updates on the EU directives

The GÉANT Community Program

- Brings the NRENs and Research and Education Community together to tackle common challenges
- Main goal is to exchange experiences, best practices, share hands-on expertise in various domains involving the NRENs, their services and their connected community of users
- Implemented through Special Interest Groups and Task Forces

<https://community.geant.org/>





TF-eHealth -> SIG-eHealth -> SIG-DHD

- Approved by the GÉANT Community Programme Committee in June 2021 following two community events (Jan and June 2021)
- With the following mandate from NRENs:
 - to gather NRENs' efforts on eHealth support
 - exploit synergies
 - exchange best practices
 - seek specific collaborations with eHealth-related projects

Task Force Deliverables

- The **Gap analysis document** highlighted the areas where NRENs see collaboration opportunities:
<https://wiki.geant.org/display/EHE/eHealth+Gap+Analysis>
- The **training on Security and Privacy** for eHealth was attended by ~25 persons, who have also been able to contribute hands-on work in an interactive session: <https://events.geant.org/event/1205/>
- The final deliverable reports on **available services and key projects** within the NREN community to support eHealth:
<https://wiki.geant.org/display/EHE/Overview+of+services+and+projects+supporting+eHealth>



SIG-DHD future focus

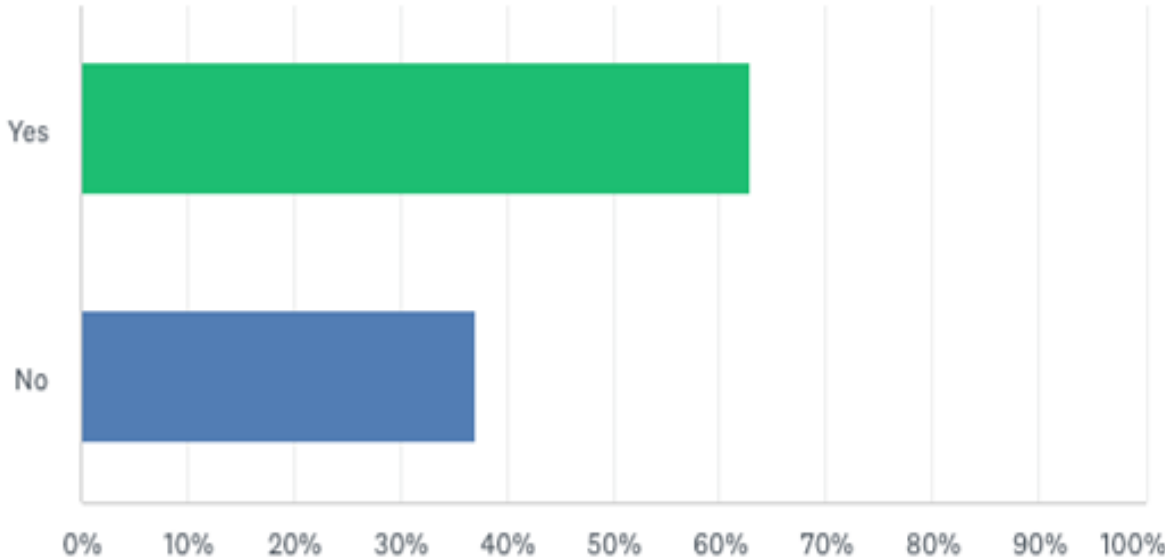
- EHDS: What is the role that existing eInfrastructures and research communities will play in **HealthData@EU**
- Secure Processing Environments and Trusted Research Environments
- Community support harmonization with **National eHealth initiatives**
- Share experiences on pilots on **Trust and Identity, Storage services, Cloud services** focusing on supporting the eHealth Community
- Showcase success stories and share experiences on providing access to compute resources (**Cloud, HPC, HTC**) for AI, ML



2024 eHealth survey for NRENs

Are you currently providing the Digital Health community with specific, tailored services - directly provided by you (e.g. Cloud Storage and/or Computing resources for sensitive data, or Cloud-based AAI services, Security-related services)?

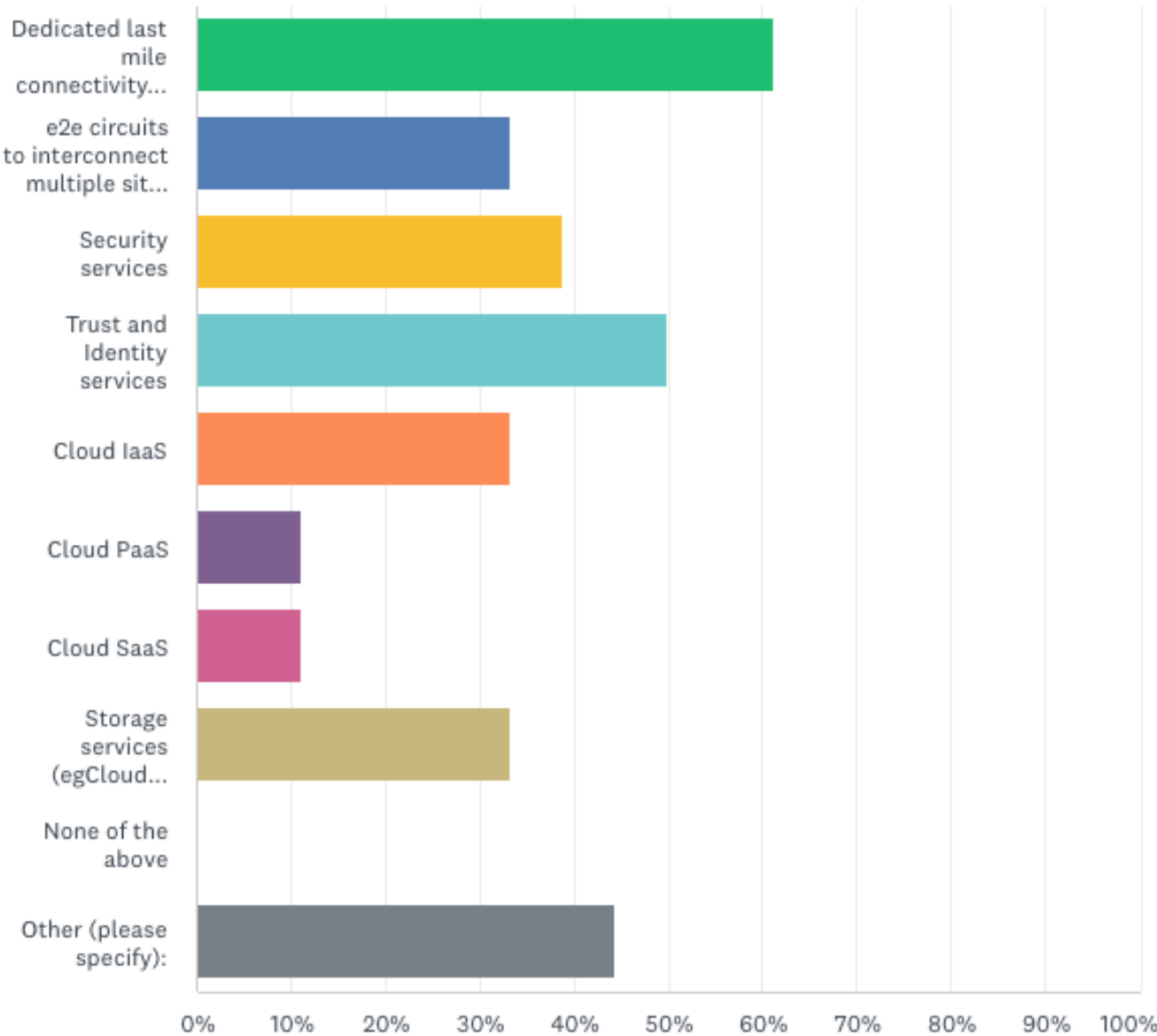
Answered: 27 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	62.96%	17
No	37.04%	10
TOTAL		27

If you answered 'YES' to the previous question (n.2) , please specify what specific services you are providing to the Health Institutions and users community:

Answered: 18 Skipped: 9

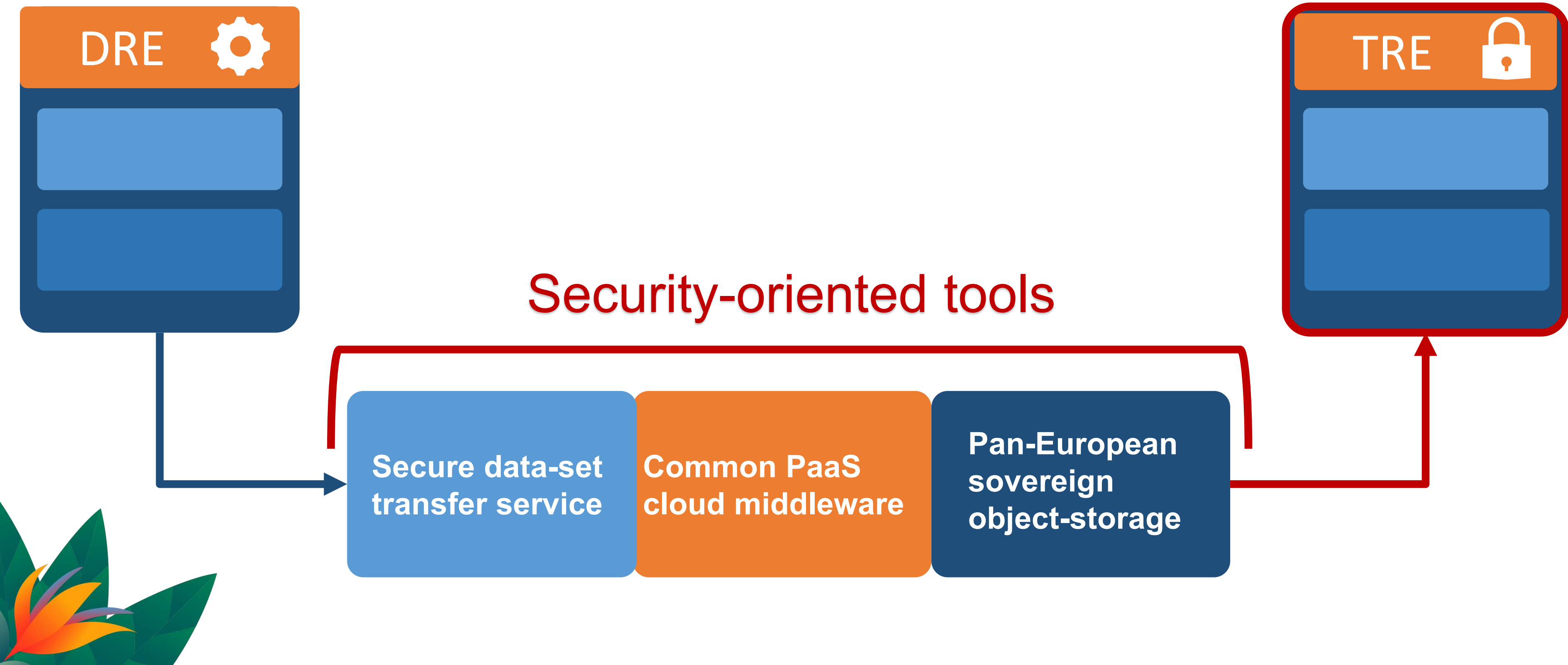


GÉANT Digital Research Environment PoC

- Identity-based authentication
(MyAccessId/eduGAIN/...)
- Consumption optimization and monitoring
- Services portfolio management
- Research project 'wallet' allocation
- Concurrent access
- Access to Community Services



GÈANT Digital Research Environment PoC



The perspective of NRENs

- Deploying Trusted Research Environments and Secure Processing Environments for their user community Secure
- Take part in the community pilots on Digital Research Environments and Trusted Research environments and above-the-network services innovation projects, see e.g.
<https://connect.geant.org/2025/08/05/geant-project-above-the-net-services-incubator-awards-four-initiatives-to-develop-service-concepts-in-strategic-areas>
- Support the implementation of AI-based solutions to enable innovative medicine and the development new health services
- Provide eHealth-oriented cloud services for their user communities, e.g. Identity Provider in the cloud for medical organizations
- Disseminate information on EHDS and other relevant European policies





¡GRACIAS! THANKS!

¿Alguna pregunta? Any questions?