

### Above-the-net Services in GN5-1

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SIG-CISS meeting

Maria Ristkok (EENet)

Jakob Tendel (DFN)

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#### **INFORMATION GATHERED IN 2021-2022:**

## Information gathered from NRENs and institutions by surveys and interviews

- GÉANT Cloud Survey for NRENs and Institutions 2021
- NREN Cloud Consultations
   2021 1:1 in-depth
   interviews
- NREN CTO Workshops 2021, 2022

### Some ideas from the CTO workshop in November 2022

- Needs of institutions and their users
  - privacy, security, sovereignty, functions & interconnectivity, open science & open data, shift towards SaaS
- Building capabilities of institutions and NRENs
- Problems to be solved (complexity, research is time sensitive, gaps, saving plans, etc)

#### NRENs & institutions

- bringing user needs, services and processes together
- tiered competence centres? (how to choose & use services, outsource the competence)
- understanding university and research processes (digital workflows in research). What are the needs?



#### **WP4 Above-the-net-Services**

#### Next 2 years

- Maintain current service portfolio and support NREN adoption
- Next public Cloud tender, to succeed OCRE
- Develop strategic NRENcommunity approach on collaboration & joint development

### Early tests for what works

- Continue piloting new ideas and offers (devops)
- Development on community-based offerings

#### Service Sustainability

- Pilot spin-out of service (eduMEET) into independent OpenSource
- Don't develop services just because we, NRENs, can and like to



#### **WP4 Objectives**

**T2** 

Supplier-facing delivery chain

**T1** 

NREN-facing delivery chain

**T3** 

Re-procure the flagship laaS+ framework

Incubator pilot

**T5** 

Service spinout pilot (eduMEET) **T4** 

community/ commercial services

**Community-backed** 

strategy proposal



#### **GN5-1 WP4 - ABOVE NET SERVICES**

#### **CLOUD SERVICE DELIVERY**

#### **Objectives:**

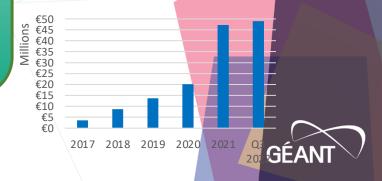
- Progress on community enablement for cloud adoption
- Continuity of laaS+ Frameworks value to R&E
- Maintain reliable contracts and finances for NRENs
- Solidify strategic bargaining position with hyperscalers
- Progress on collective strategic planning

#### **Actions:**

- Be a hub for relevant information and competencies
- Innovate Framework services delivery chain
- Prepare, execute, roll-out next laaS+ tender
- Intensify Cloud Strategy process with actionable results

#### **Key figures:**

- 2020 laaS+ Framework
  - O 40 NRENs eligible
  - 25 countries consuming
  - O 44 Suppliers
  - 474 contracts issued 20x more than in 2016
  - 482 +5 services
  - 800 inst. using by end of 2022
  - **€ 141m** consumption, since 2016 expected this year
  - ~10% est. savings for R&E



#### **GN5-1 WP4 - ABOVE NET SERVICES**

#### **DEVELOPMENT**

#### **Objectives:**

- Innovation on service features, concepts, operational models
- Rapid experimentation and learning in low-risk environment
- Learning on service sustainability outside project funding
- Preserve the value and realise the potential in **eduMEET**

#### **Actions**:

- Incubator for small-scale concept, development work
- Develop a process for services "spin-out" from project
- Apply and evaluate "spin-out" for use-case eduMEET

#### **Key figures:**

- Incubator to work in 4-month "sprints"
- 6 sprints in total expected
- eduMEET
- 14,700 monthly users in NRENs
- 77 known instances
- 41 organisations
- 21 countries





#### WP4 Work Package and Task Leadership

**Work Package Leaders** 

T1: User-Facing **Service Delivery** Chain

T2: Vendor-**Facing Service Delivery Chain** 

T3: Infrastructure-**Cloud Procurement**  T4: Above-the-Net T5: Above-the-**Services Strategic Net Service Developments Planning** 

Sub-Task 5.1

**Maria Ristkok** (EENet) and Jakob **Tendel (DFN)** 

**Eva Nestorovska MARnet** 

**Garvan McFeeley HEAnet** 

**Monique Pellinkhof David Heyns GÉANT** 

Jan Meijer – **NORDUnet (Sikt)**  Bartlomiej Idzikowski (PSNC)

Sub-Task 5.2 Spin-Out **Development** 

Service Incubator

**Partners** 







































#### **GÉANT Cloud Services Collaboration**

**Work Package Leader** + T4 Co-Lead

> **Global Clouds EUNIS** SIGs, TFs e-infras & projects

**Maria Ristkok Estonian Ministry** of Education and Research

**T1: Service Delivery: Platform and Business** Desk

> **Suppliers** OCRE & EOSC TF-MSP

**Garvan McFeeley HEAnet** 

**T2: Service Development:** Videoconferencing Infrastructure

> SIG-Multimedia TF-EDU TNC Moodle **PosEmo**

> > Bartlomiej Idzikowski **PSNC**

T3: Service **Development: Cloud** Offerings

**ELIXIR & projects SIG-CISS** TF eHealth Universities Companies

> **Dan Still CSC**

**T4: Service Adoption** Support

**NREN CSDMs Universities CSDMs Suppliers SIG-Marcomms** GLAD

**Eva Nestorovska MARnet** 

**Partners** 























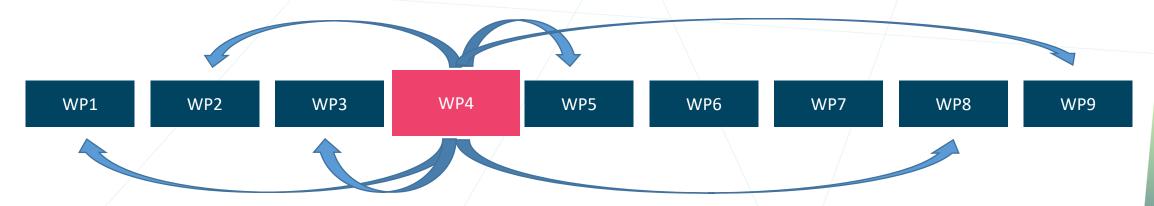








#### **WP** dependencies



WP1 (management, trainings / GLAD)

WP2 (comms, stakeholders)

WP3 (Partner Relations, compendium, surveys, engagement)

WP5 (T&I integration, incubator workflows)

WP8 (cloud security trainings)

WP9 (Open-source software quality, providers peerings)

SIGs (CISS, MSP, Multimedia, Marcomms,...)

TFs (EDU, RED, ...)

Project landscape (EOSC, GAIA-X, HPC, ...)

Outside partners (Suppliers, intl. NRENs, EUNIS, ...)



## LOOKING AHEAD - 2023-2024: SERVICE OFFERINGS AND ACTIVITIES

#### **Activities**

Strategic Forums

Consulting with NRENs and other stakeholders

Global Collaboration

Managing Frameworks & services





Maintenance & Development



#### **Overall Focus and Activities Fixed by Deadlines in 2023**

#### Focus on

- Re-procurement of expiring laaS Framework contracts
- New business models & sustainable funding structures for community-based services



April – legaladministrative framework for eduMEET spin-out PoC established



**September** – procurement strategy for laaS+



**December** – GÉANT Community Strategy for Above the Net Services



November – IaaS procurement published. eduMEET spin-out development report



#### **Further community plan**

#### Requirements gathering process for 2024 laaS+ tender

- Cloud Manager community
- 2023 GÉANT Cloud Survey for NRENs and Institutions

# NREN needs gathering beyond the immediate tender reprocurement:

- WP4 Task 4 Cloud Strategy group
- Next Cloud CTO workshop (Q4 2023)
- Next project (GN5-2) planning phase, opens Q3-Q4 2023
- GÉANT Partner Relations





# Thank you



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