



# Above-the-net Services in GN5-1

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SIG-CISS meeting

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# GÉANT Cloud Collaboration Evolution



## 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 NREN-community approach on collaboration & joint development

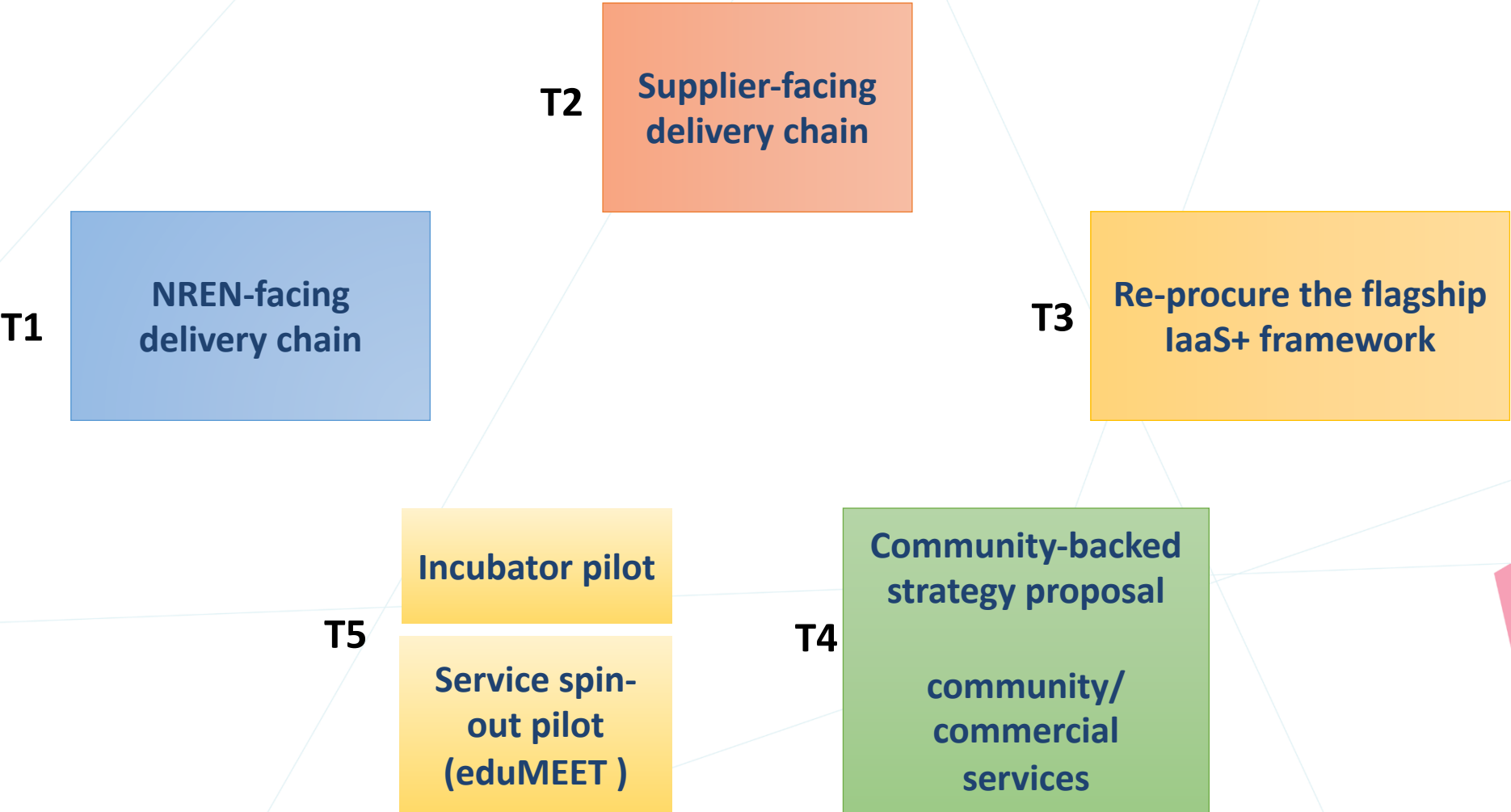
### Early tests for what works

- 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



# GN5-1 WP4 - ABOVE NET SERVICES

## CLOUD SERVICE DELIVERY

### Objectives:

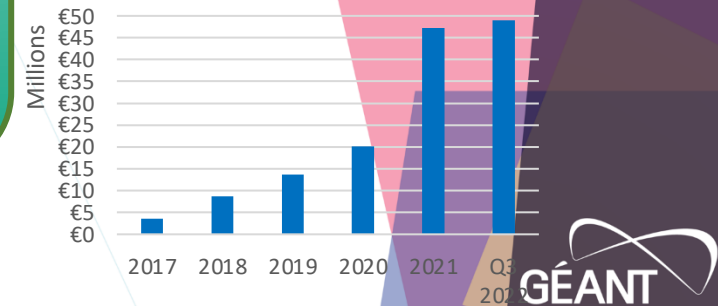
- Progress on community enablement for cloud adoption
- Continuity of IaaS+ Frameworks value to R&E
- Maintain reliable contracts and finances for NRENs
- Solidify strategic bargaining position with hyperscalers
- Progress on collective strategic planning

### Actions:

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

### Key figures:

- 2020 IaaS+ Framework
  - 40 NRENs eligible
  - 25 countries consuming
  - 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:

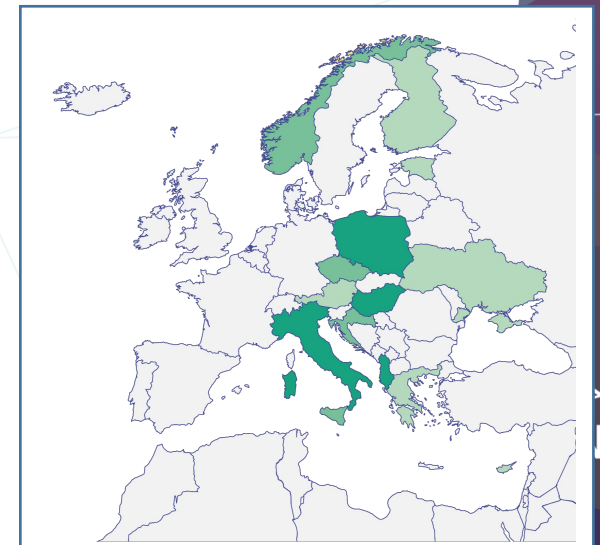
- Innovation on service features, concepts, operational models
- Rapid experimentation and learning in low-risk environment
- Learning on service sustainability outside project funding
- Preserve the value and realise the potential in **eduMEET**

### 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

Maria Ristkok  
(EENet) and Jakob  
Tendel (DFN)

## T1: User-Facing Service Delivery Chain

Eva Nestorovska  
MARnet

## T2: Vendor- Facing Service Delivery Chain

Garvan McFeeley  
HEAnet

## T3: Infrastructure- Cloud Procurement

Monique Pellinkhof  
David Heyns  
GÉANT

## T4: Above-the-Net Services Strategic Planning

Jan Meijer –  
NORDUnet (Sikt)

## T5: Above-the- Net Service Developments

Bartłomiej Idzikowski  
(PSNC)

Sub-Task 5.1  
Service  
Incubator

Sub-Task 5.2  
Spin-Out  
Development

## Partners





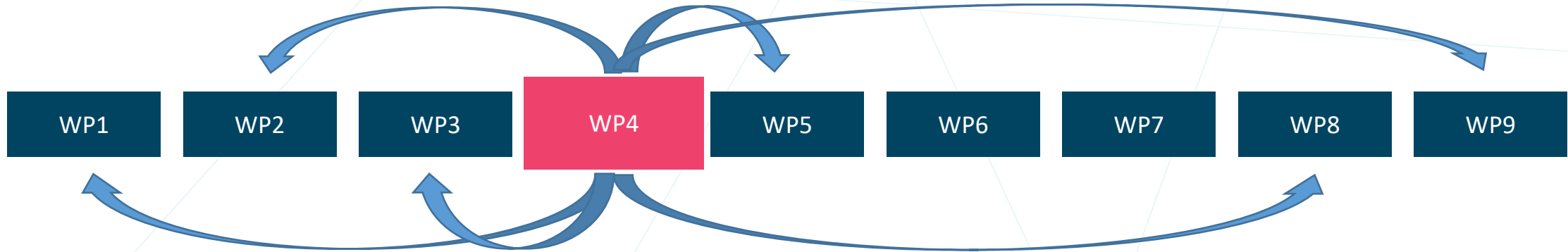
# GÉANT Cloud Services Collaboration



## 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. NREs , EUNIS, ...)

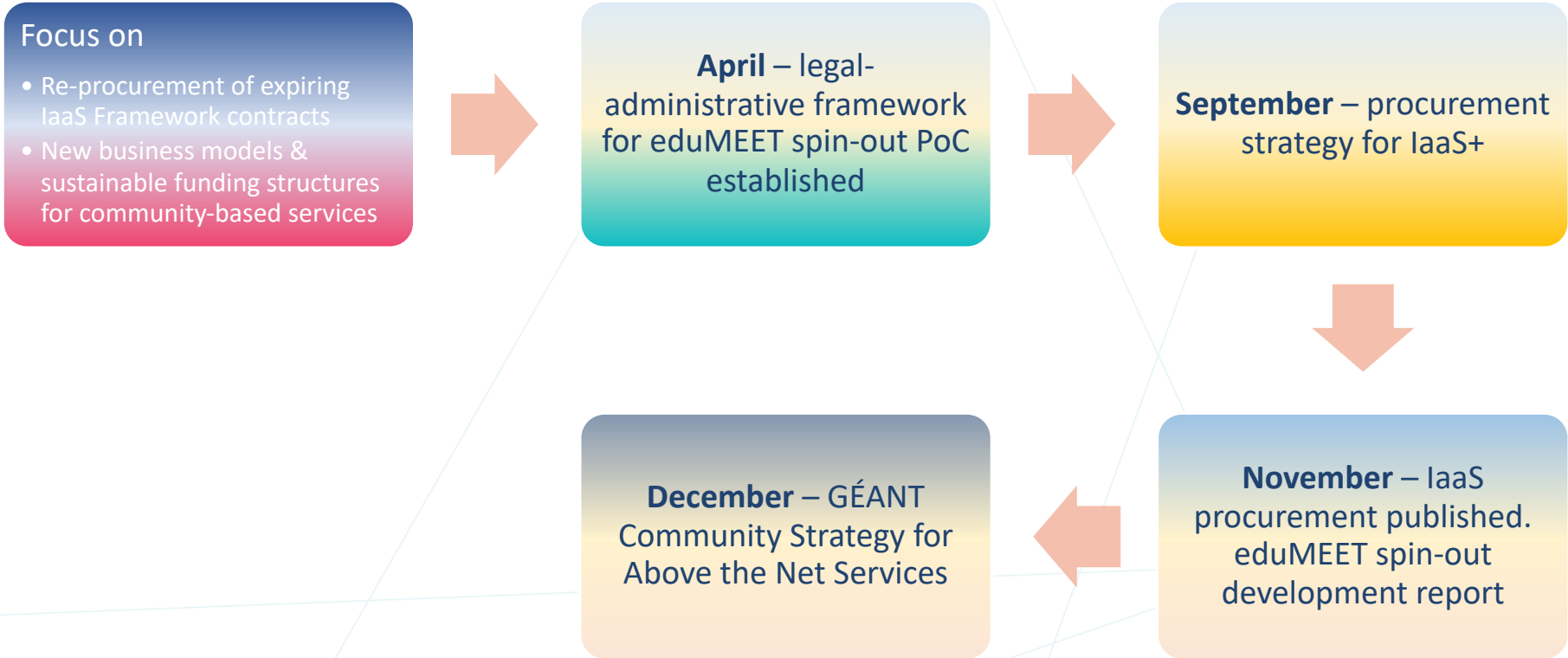
# LOOKING AHEAD - 2023-2024: SERVICE OFFERINGS AND ACTIVITIES



Conclusions



# Overall Focus and Activities Fixed by Deadlines in 2023



## Further community plan

### Requirements gathering process for 2024 IaaS+ tender

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

### NREN needs gathering beyond the immediate tender re-procurement:

- 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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