



GN5-1 WP6: Network Development

... and WP6 incubator

Pavle Vuletić, UoB/AMRES

WP6 leader

STF28, Utrecht, Netherlands

01 March 2023

Agenda

1. Briefly about WP6
2. WP6 incubator process

WP6: Network Development (NETDEV)

WP6 Network Development will undertake **technology evaluation, testing, prototyping and development** in the areas of **network infrastructure, services, monitoring and management.**

WP6 will also **provide and support existing production services,** and work towards **the continued evolution of the GÉANT community's network infrastructures** by **defining, developing and implementing new functionalities and services** to improve the quality, flexibility and cost-effectiveness of end-user orientated services

- **Task 1: Technology**
- **Task 2: Platform**
- **Task 3: Monitoring**
- **Task 4: Academy**

WP6 Work Package and Task Leadership

Work Package Leaders



Ivana Golub PSNC
and Pavle Vuletić
UB/AMRES

T1: Technology



Susanne
Naegele-Jackson
FAU/DFN)

T2: Platform



Roman Lapacz PSNC

T3: Monitoring



Lætitia Antoine
Delvaux
PSNC

T4: Academy

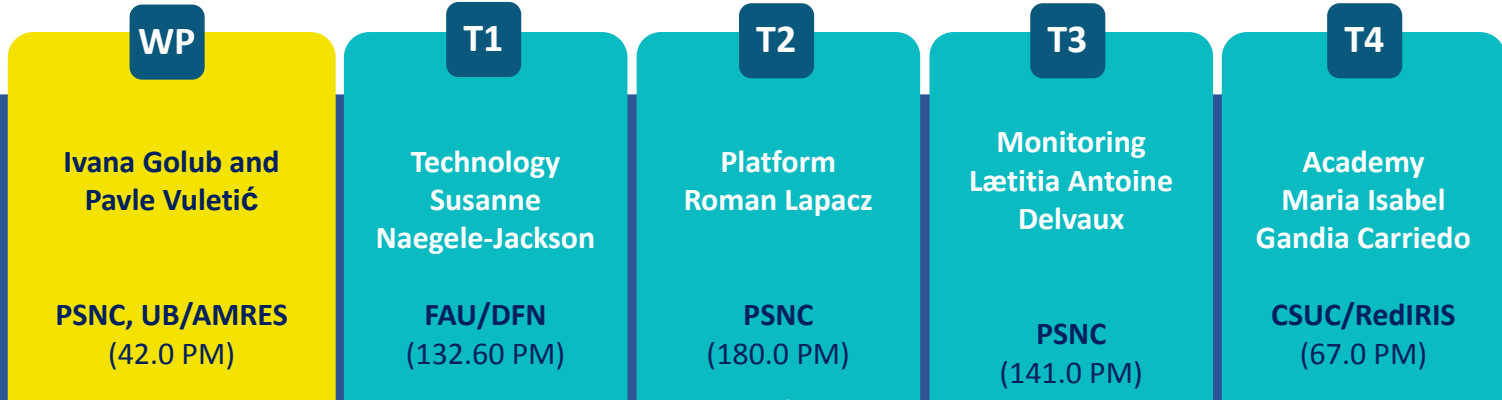


Maria Isabel Gandia
Carriedo
CSUC/RedIRIS

Partners



WP6 resources and participants



GN5-1 WP6 budget **€3.9 M**

Total resources **579.4 PM**

Participants **88 persons, 31 organisation, 24 partners**

3 deliverables, 4 milestones

Objectives

Objectives from Technical Annex

Evolution and
enhancements of NREN
network infrastructures
and services

Practical use cases

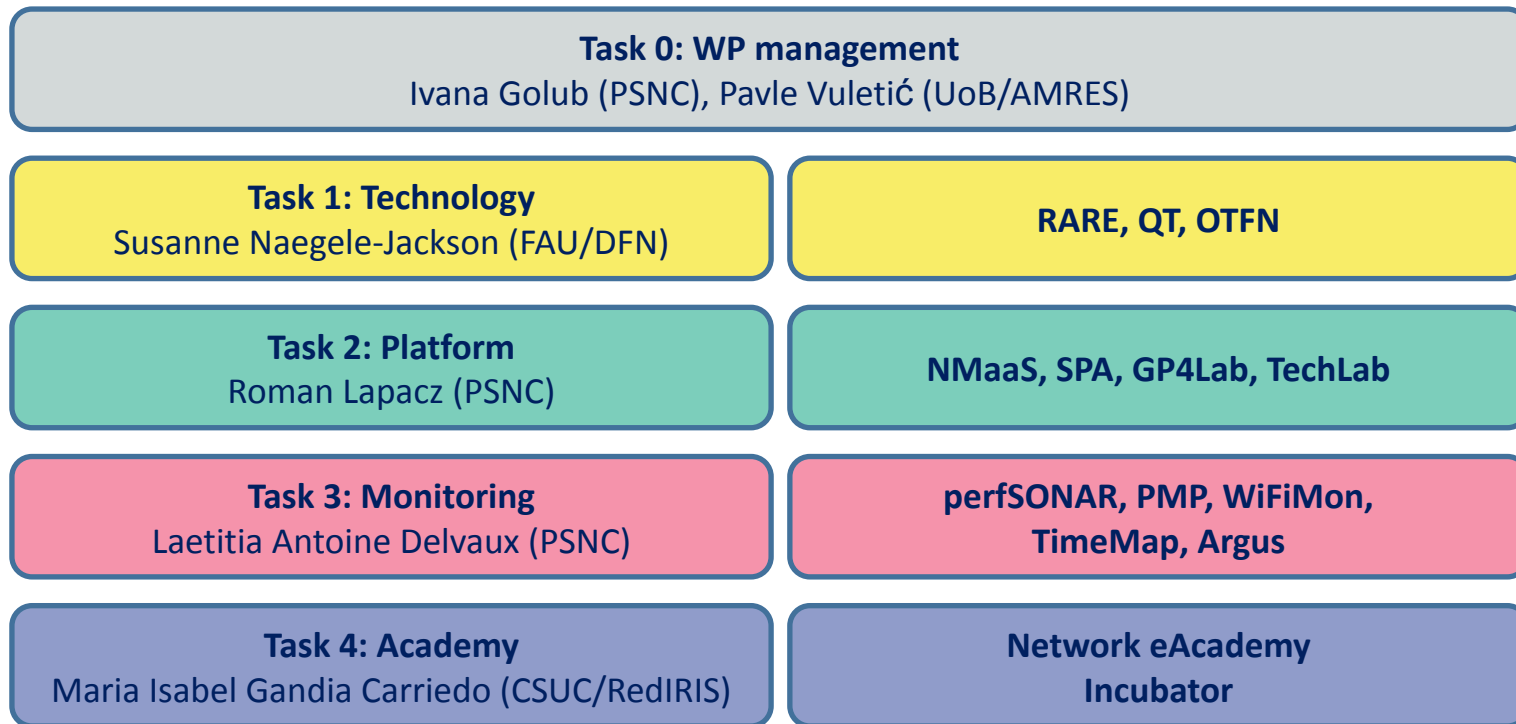
Information and
knowledge sharing

Evaluation, prototyping
and implementation of
technologies

Exploring applicability
of emerging
technologies towards
new services

Knowledge-sharing
events, training
material, documents...

WP6 Task Structure



NETDEV Incubator



Incubator

Why

A mechanism to include:

- New work during the project
- Topics emerging after the project preparation phase

How

- Unallocated budget set aside in WP6 T4
- By following predefined simple rules

What

- WP6 related topics on Network Development
- Projects whose results NRENs want to use

Incubator Simple Rules

1. A proposal must be **relevant and well defined**
Specific, **M**easurable, **A**chievable, **R**esource- and **T**ime-bound
2. A proposal must be **seen useful by NRENs**
NRENs should express willingness to use the results
3. Proposals are processed on a first-come-first-served basis
4. Simple 3-phased approach

Network Development WP Scope and Objectives

Scope

Development of network technologies and services in a single- and multi-domain NREN environment

Proposals should be in scope of the GNS-1 WP6 Document of Work (DoW)

Objectives

Evaluation, testing, prototyping, development of technologies and services in:

- network infrastructure
- network services innovation
- network monitoring and management

But also: trainings, white papers, learning material,...

Provide a framework to accommodate new initiatives during the project lifetime

Incubator - 3-phased approach



Phase 1: Proposals gathering

Purpose

Gather the proposal, gather the support, evaluate the proposal

Output

Focus group project proposal **OR** Closure report without a proposal

Simple rules

Always open call for proposals

Anyone can make a proposal any time


Proposal preparation not funded by the WP6

Phase 1: Proposals gathering, Stage 1: Proposal Submission

The proposal must demonstrate that the planned output will be **achievable** within the given period of time with the requested resources.

A predefined **template** which describes key elements of the proposal has to be filled and submitted to the NETDEV incubator group

email communication, no paperwork

- 
- Proposer
 - Title
 - Why/Rationale
 - Output
 - Value
 - Users
 - Team
 - Resources
 - Manpower
 - Equipment
 - Travel budget
 - Other
 - IPR and GDPR statements

Phase 1: Proposals gathering, Stage 1: Proposal Submission

The proposal and proposers should comply with the **GÉANT Project Intellectual Property Rights (IPR) Policy**

Personal data collected via this proposal will be used only for processing and promoting the proposal.

Once a proposal is submitted, the **WP6 leads team will review** if it is in accordance with the WP6 Description of Work (DoW). If it is not, it will be rejected and the information about it will be sent to the proposer.

- Proposer
- Title
- Why/Rationale
- Output
- Value
- Users
- Team
- Resources
 - Manpower
 - Equipment
 - Travel budget
 - Other
- IPR and GDPR statements

Phase 1: Proposals gathering, Stage 2: Proposal Support

Support as a prerequisite

Support = willingness to use the Project results

Support from at least **3** project partner organisations is a **prerequisite** for a proposal to **be considered for the next phase**

Template 2: Supporting the Incubator Project Proposal

Your Name:

Your Organisation:

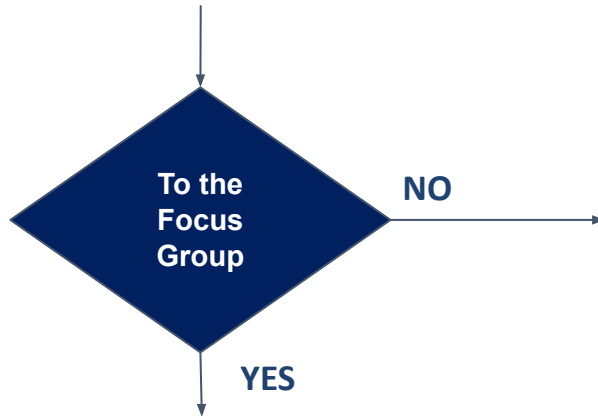
Name of the proposal being supported:

In order to support a proposal, please send the answers to the following questions to netdev-incubator@lists.geant.org

1. Why do you support this proposal?
2. Will you implement the work results in your own organisation? Yes/No
3. Is your organisation willing to work on this proposal? Yes/No
4. If yes:
 - a. How much of an FTE will your organisation dedicate to work on this project?
 - b. Would you work on this proposal even if not being paid from the GÉANT 5-1 project? Yes/No
5. Any other comments?

Phase 1: Proposals gathering, Stage 3: Proposal Evaluation

- WP6 leads team will **review** and verify that there is a budget available for it and,
- If there is, it will **proceed** to the second phase (creating a focus group)



Template 3: Proposal Closure Report

1. Title of the project proposal
2. Name and the organisation of the proposer
3. Date of the proposal submission to netdev-incubator@lists.geant.org
4. Link to the original proposal
5. Activities performed by WP6 to promote the proposal
6. List of organisations that supported the proposal
7. Reason for retiring the proposal.

Phase 2: Focus Groups

Purpose

Define more specifically and refine the project proposal from the technical and project management perspective, to be executed as a part of an incubator project

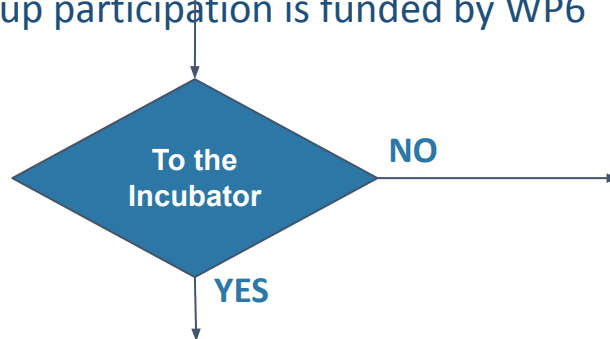
Output

(SMART) Incubator project proposal **OR** Closure report without a proposal

Simple rules

Limited duration - maximum of 3 months, limited budget - up to 0,5 FTE per FG

Focus group participation is funded by WP6



Template 4: Focus Group Closure Report

1. Title of the project proposal
2. Name and the organisation of the proposer
3. Link to the original proposal
4. List of organisations that supported the propo
5. Date when the focus group is established

Phase 3: Incubator Project

Purpose

Produce project results as per Focus Groups resulting project proposal

Output

As defined in the Incubator project proposal, within given resources and time

Can be a document, improvement for an existing work, a new service proposal, PoC, pilot..

Project results implemented by organisations that supported the proposal

Proposals for the next steps - service / product / closure / further development

Simple rules

Limited duration - maximum of 6 months, limited budget - up to 1 FTE per project

Incubator project participation is funded by WP6

Join us at the NETDEV Incubator infoshare!

Wednesday March 29th at 13:00 CEST (zoom)

Duration: approx 1 hour (20-30 minute presentation and discussion)

Register at: <https://events.geant.org/event/1396/>

Incubator public wiki (still draft):

<https://wiki.geant.org/display/NETDEV/WP6+Incubator>



Thank you!

netdev@lists.geant.org