



# WP6 INCUBATOR NETDEV INCUBATOR

Katarina Simonović (AMRES), NETDEV Incubator Lead  
Ivana Golub (PSNC), Pavle Vuletić (UoB), WP6 Leaders

GN5-2 WP6 Incubator Infoshare

February 2025

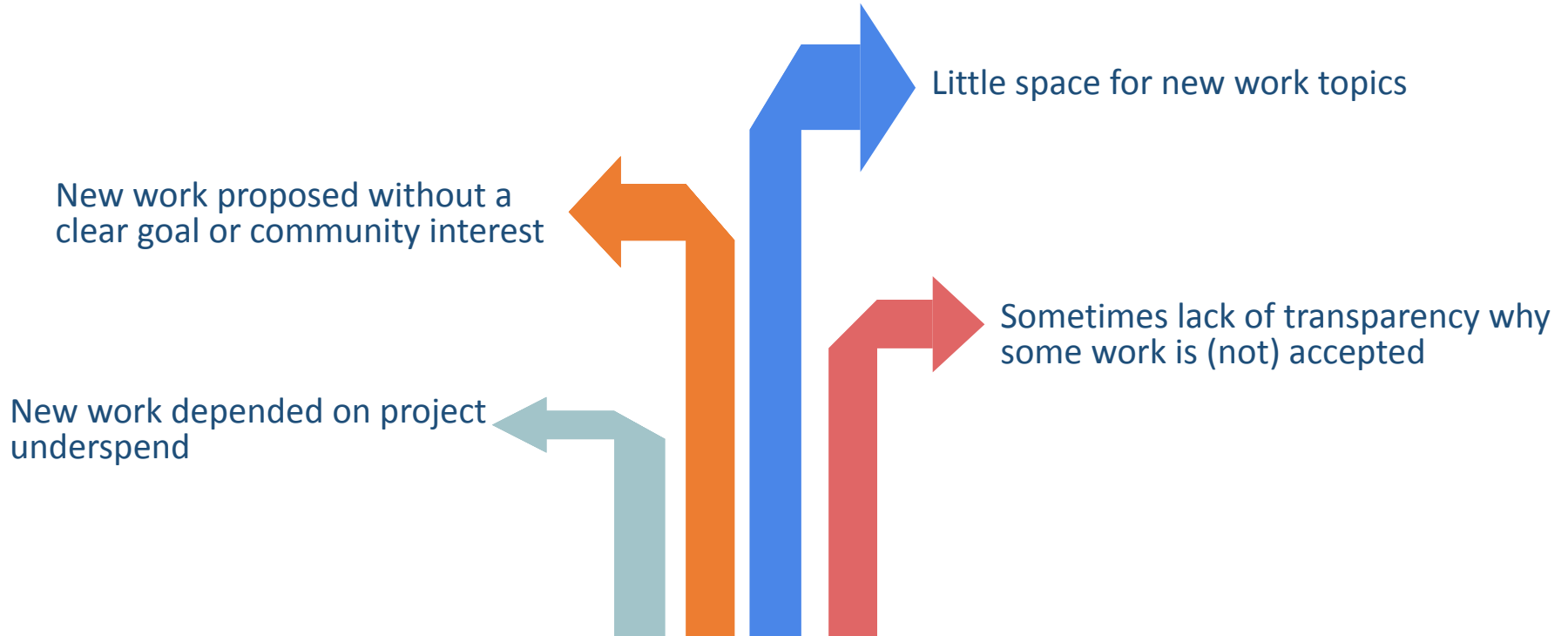
Public (PU)

GN5-2

# Agenda

- Motivation
- The NETDEV Incubator Process
- Q&A

## Motivation



## Motivation

- Need a framework for new work
  - Community benefit...
    - ...and community interest
    - No more orphaned projects!

### The Solution: **NETDEV Incubator**

- 6 months maximum
- Well-defined timelines & outputs
- Interest from several NRENs



## Innovation environment

- **We're not the only incubator!**
  - Trust & Identity
  - Above the net
  - NETDEV
- **Larger frameworks for innovation**
  - **GÉANT Innovation Programme**
    - Up to €50k for up to 6 months
    - NRENs *and connected Institutions*
  - **GÉANT Development Fund**



## NETDEV 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 T0
- By following predefined simple rules

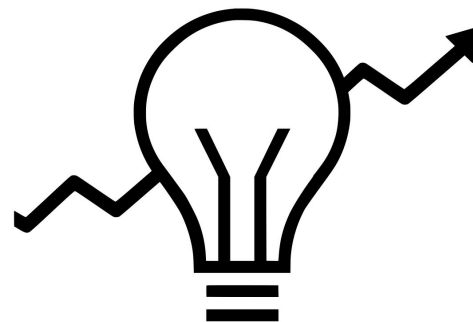
### What

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

## NETDEV Incubator

Provides a mechanism to **include new areas of work throughout the project** duration in an agile way

- **Easy and transparent 3-step**
- Proposals can be sent at any time during the project
- Proposals are processed on a first-come-first-served basis
- Additional budget available
- Evidenced community **interest to use the results**
- Must be **in WP6 scope**



## NETDEV Incubator **Simple Rules**

A proposal must be **relevant and well defined**

**S**pecific, **M**easurable, **A**chievable, **R**esource- and **T**ime-bound



A proposal must be **seen useful by NRENs**

NRENs should express willingness to use the results

Description of work, time and budget must **align with WP6**



# Network Development WP Scope and Objectives

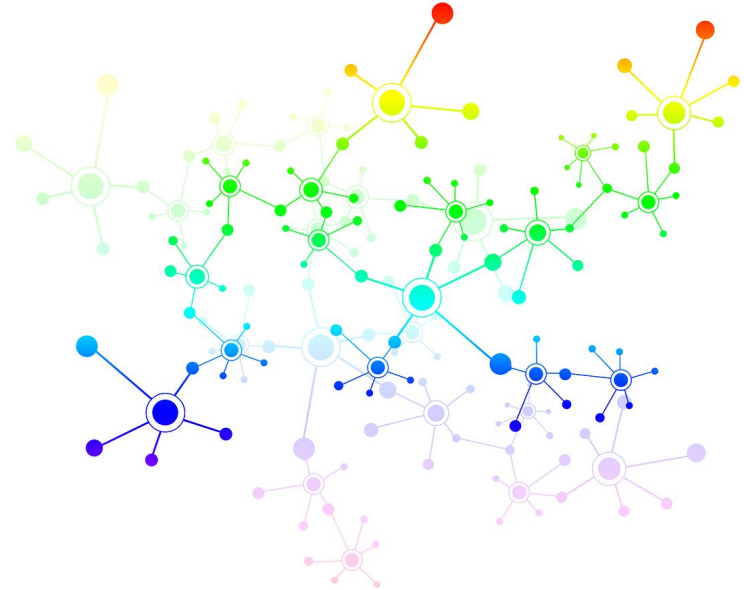
## Scope

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

## Objectives

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

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



## Network Development Topics

### Task 1: Technologies

TL: Susanne Naegele-Jackson FAU/DFN

- Router for Academia, Research and Education (RARE)
- Quantum Technologies (QT)
- Fibre Sensing

### Task 2: Platform

TL: Roman Lapacz, PSNC

- nmaas
- Maat
- Global P4 Lab (GP4L)

### Task 3: Monitoring

TL: Lætitia Antoine Delvaux, PSNC

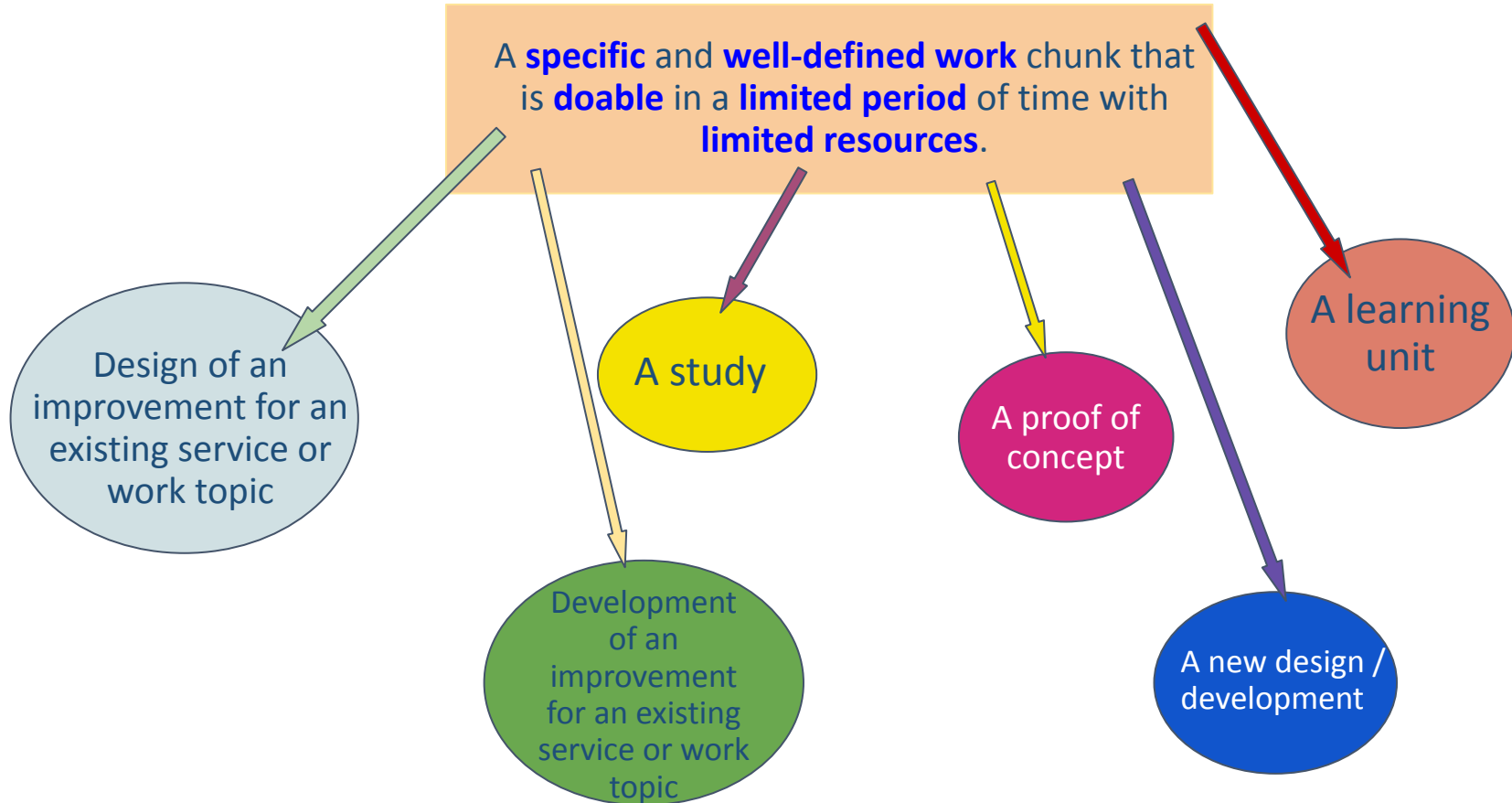
- perfSONAR
- Performance Measurement Platform (PMP)
- TimeMap
- OTFN TimeMap
- Argus
- MetrANOVA

### Task 4: eAcademy

TL: Maria Isabel Gandia Carriedo, CSUC/RedIRIS

- Training
- Maturity Model for Automation, Orchestration and Virtualisation (OAV)
- OAV Architecture analysis
- OAV terminology
- AI and data analysis
- NETDEV wiki

## What can be an Incubator Project ?



## NETDEV Incubator - 3-phased approach

Proposal Submissions

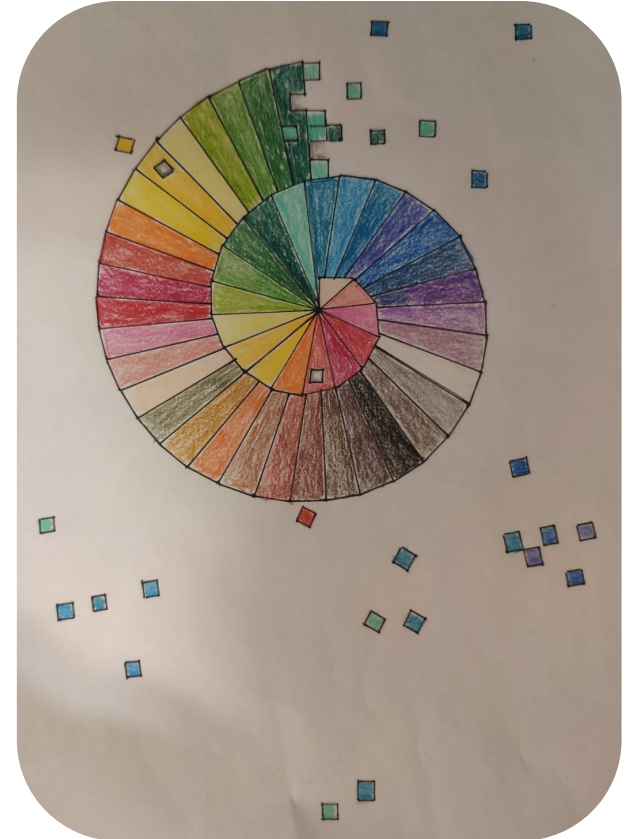
Focus Groups

Incubator Projects



## Phase 1: Proposals Submission

- **Always open call for proposals**  
Anyone can make a proposal any time
- Proposal submission using **predefined template**
- **Community support is 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**





# Incubator Project Proposal Template

## Template 1: NETDEV Incubator Project Proposal

1. **Name and Organisation** of the person that is submitting the proposal
2. **Title** - Name of the proposal that describes what is being proposed.
3. **Rationale** - Describe why this work is important, which problem it solves.
4. **Output** - Tangible and intangible outputs that will be produced as a result of this proposal. The output should be Specific, Measurable, Achievable, Resource- and Time-bound.
5. **Users** - Who are the users that would use the results of this work.
6. **Value** - Describe the value that the proposal will provide to the users.
7. **Team** - Organisations and names of people that will work on the proposal.
8. **Time** - Expected duration of this project.
9. **Resources** - Which resources and budget are needed for this project:
  - a. Manpower (per each individual that would participate in the team).
  - b. Equipment (needed/existing equipment, which equipment should be bought).
  - c. Travel budget.
  - d. Other (please specify).
10. **Intellectual Property Rights (IPR)** -  
As a proposer I declare that my submission is not infringing any IP rights of others.
  - a. Does any code or previous work exist that is the subject of an existing IPR? Yes / No
10. **Information about gathering and processing any personal data**
  1. Will you be processing any personal data for this project? Yes / No
  2. If Yes:
    - i. Which data are you processing, how, and for what purposes?
    - ii. Do you have a privacy notice for it?
12. **Contribution to an existing GÉANT project service** -  
Will it create or contribute to an existing GÉANT project service? If yes, please specify which one.
13. **Organisations supporting the proposal** - To be filled for each organisation:
  - a. Your Name:
  - b. Your Organisation:
  - c. Will you implement the work results in your own organisation? Yes/No
  - d. How much of an FTE will your organisation dedicate to work on this project?
  - e. Would you work on this proposal even if not being paid from the GN5-1 project? Yes/No

# Incubator Project Proposal Template 1

## General info

- 1. Name and Organisation** of the person that is submitting the proposal
- 2. Title** - Name of the proposal that describes what is being proposed

## What

- 4. Output** - Tangible and intangible outputs that the proposal will produce  
Should be Specific, Measurable, Achievable, Resource- and Time-bound.
- 5. Users** - Who are the users that would use the results of this work.
- 6. Value** - Describe the value that the proposal will provide to the users
- 12. Contribution to an existing GÉANT project service?**

## Why

- 3. Rationale** - Describe why this work is important, which problem it solves
- 13. Organisations supporting the proposal**

## How

- 7. Team** - Organisations and names of people that will work on the proposal.
- 8. Time** - Expected duration of this project.
- 9. Resources**
  - People (per each individual that would participate in the team).
  - Equipment (needed/existing equipment, which equipment should be bought).
  - Travel budget / Other (please specify).
- 10. IPR** - Declaration that the proposal is not infringing any IP rights of others.
- 11. GDPR** - Information about gathering and processing any personal data



## Template 1 - Even more reasons Why

Why

The WHYs:

### 3. Rationale: Describe why this work is important, which problem it solves

- Clear goal and objectives needed for successful project execution within the given time period and within the given budget

### 13. Organisations supporting the proposal - To be filled in for each Organisation:

- Name *(Personal information provided will be used for proposal processing)*
- Organisation
- Will you **implement the work results** in your own Organisation?  
**Yes/No**
- How much of an FTE will you dedicate to work on this project?
- Would you work on this proposal even if **not** being paid by GN5-2?  
**Yes/No**

This helps to prevent “pet” & orphaned projects



## Template 1 - Even more reasons for the HOWs

### How

#### 7. Team - Organisations and names of people that will work on the proposal.

- Needed to allocate the budget (for the project Change request process)

#### 8. Time - Expected duration of this project

- Must be completed and information about the results disseminated **before** the end of the current project.

#### 9. Resources - Which resources and budget are needed for this project:

- a. People (per each individual that would participate in the team).
- b. Equipment (needed/existing equipment, which equipment should be bought).
- c. Travel budget.
- d. Other (please specify).

#### 10. Intellectual Property Rights (IPR)

**As a proposer I declare that my submission is not infringing any IP rights of others.**

- e. Does any code or previous work exist that is the subject of an existing IPR? Yes / No

#### 11. Information about gathering and processing any personal data

1. Will you be processing any personal data for this project? Yes / No
2. If Yes:
  - i. Which data are you processing, how, and for what purposes?
  - ii. Do you have a privacy notice for it?

## Template 1 - The “Whats”

### What

#### 4. Output - Tangible and intangible outputs to be produced via this proposal

- The output should be Specific, Measurable, Achievable, Resource- and Time-bound.

#### 5. Users - Who will use the results of this work?

- End users? Universities? NRENs? Professors? Students? Researchers? NOC engineers/managers? .....??

#### 6. Value - Describe the value that the proposal will provide to the users

- Why would the user use the results?
- Which problem does it solve for them?
- How does it differ from other solutions?

#### 12. Contribution to an existing GÉANT project/service?

- If Yes - please specify.

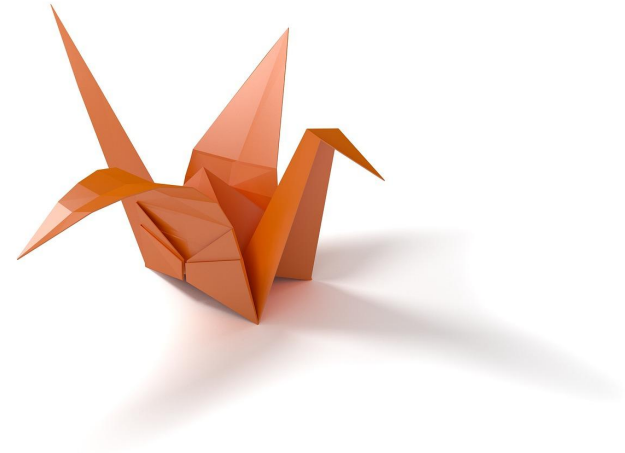


## After submitting a proposal

The proposal is evaluated by the WP6 NETDEV Incubator team:

- ✓ Alignment with the WP6 objectives
- ✓ SMART Objectives = executable project
- ✓ Existing intent from the community to use the project results
  
- ✓ Existing budget
  - (If not - the project still might be able to continue with WP6 support although without additional funds)

Successful projects progress to the next phase: Focus Groups



## Phase 2: Focus Groups

### Purpose

**Align views** of the project proposer and supporting organisations

**Perform market analysis** (If not done already)

**Agree on the exact work** that will be in scope of an incubator project

### Output

(SMART) Incubator project proposal **OR**

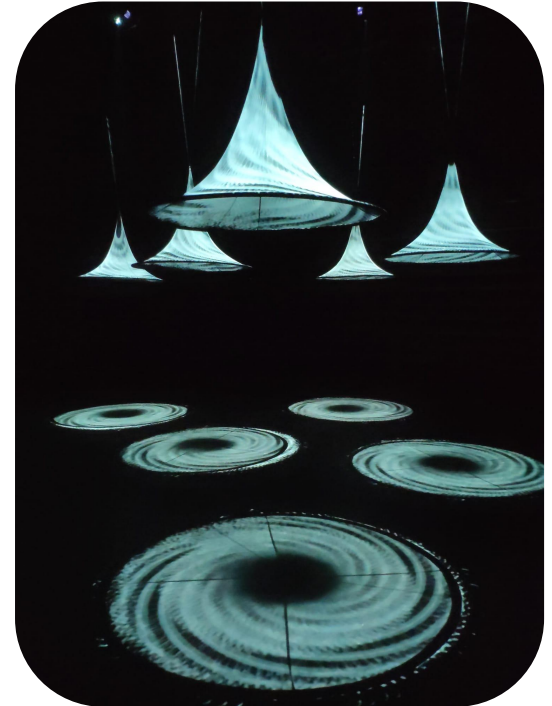
Closure report without a proposal

### Simple rules

Limited duration - **maximum of 3 months**,

**Limited budget** - up to 0,5 FTE per FG

Focus group participation is funded by WP6



## Focus Groups Output - Closure Report



This might happen for various reasons, e.g.:

- No consensus about the work
- A SMART project cannot be defined
- Decreased insufficient interest to proceed
- A project team cannot be formed
- Changed circumstances
- No sufficient resources
- ...

### Template 2: 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](mailto:netdev-incubator@lists.geant.org)
4. Link to the original proposal
5. Activities performed by WP6 related to the proposal
6. List of organisations that supported the proposal
7. Reason for retiring the proposal

# Focus Groups Output - Incubator Project Proposal - Template 3

## Template 3: NETDEV Focus Group Proposal for the Incubator Project

1. **Name, NREN** - Name and Organisation of the person that is submitting the proposal.
2. **Title** - Name of the proposal that describes what is being proposed.
3. **Rationale** - Describing why this work is important, which problem it solves.
4. **Output and Outcome** - Tangible and intangible outputs that will be produced as a result of this proposal. The output should be Specific, Measurable, Achievable, Resource- and Time-bound (SMART).
5. **Users** - Who are the users that would use the results of this work.
6. **Value** - Describe the value that the proposal will provide to the users, and how it differs from other solutions that might exist in the community or in the market.
7. **Team** - For each individual nominated to participate in this project provide the following information:
  - a. Name
  - b. Organisation
  - c. E-mail address
  - d. Manpower available to work on the project
  - e. Manpower to be funded by the GN5-2 WP6
  - f. Support from their organisation Yes/No
  - g. Role and job in the team
8. **Time** - Expected duration of this project
9. **Resources** - Total resources and budget needed for this project:
  - a. Manpower
  - b. Equipment (needed/existing equipment, which equipment should be bought)
  - c. Travel budget
  - d. Other (please specify).
10. **Intellectual Property Rights (IPR)** - As a proposer I declare that my submission is not infringing any IP rights of others.
  - a. Does any code or previous work exist that is a subject of an existing IPR? Yes / No
11. **Information about gathering and processing any personal data**
  - a. Will you be processing any personal data for this project? Yes / No
  - b. If Yes:
    - i. Which data are you processing, how, and for what purposes?
    - ii. Do you have a privacy notice for it? If yes - please provide it.
12. **Contribution to an existing GÉANT project service** - Will it create or contribute to an existing GÉANT project service? If yes, please specify which.
13. **Organisations supporting the proposal** - List organisations and contact persons that would like to use the project outputs.

# Focus Groups Output - Incubator Project Proposal - Template 3

## Template 3: NETDEV Focus Group Proposal for the Incubator Project

1. **Name, NREN** - Name and Organisation of the person that is submitting the proposal.
2. **Title** - Name of the proposal that describes what is being proposed.
3. **Rationale** - Describing why this work is important, which problem it solves.
4. **Output and Outcome** - Tangible and intangible outputs that will be produced as a result of this proposal. The output should be Specific, Measurable, Achievable, Resource- and Time-bound (SMART).
5. **Users** - Who are the users that would use the results of this work.
6. **Value** - Describe the value that the proposal will provide to the users, and how it differs from other solutions that might exist in the community or in the market.
7. **Team** - For each individual nominated to participate in this project provide the following information:
  - a. Name
  - b. Organisation
  - c. E-mail address
  - d. Manpower available to work on the project
  - e. Manpower to be funded by the GNS-2 WP6
  - f. Support from their organisation Yes/No
  - g. Role and job in the team
8. **Time** - Expected duration of this project
9. **Resources** - Total resources and budget needed for this project:
  - a. Manpower
  - b. Equipment (needed/existing equipment, which equipment should be bought)
  - c. Travel budget
  - d. Other (please specify).
10. **Intellectual Property Rights (IPR)** - As a proposer I declare that my submission is not infringing any IP rights of others.
  - a. Does any code or previous work exist that is a subject of an existing IPR? Yes / No
11. **Information about gathering and processing any personal data**
  - a. Will you be processing any personal data for this project? Yes / No
  - b. If Yes:
    - i. Which data are you processing, how, and for what purposes?
    - ii. Do you have a privacy notice for it? If yes - please provide it.
12. **Contribution to an existing GÉANT project service** - Will it create or contribute to an existing GÉANT project service? If yes, please specify which.
13. **Organisations supporting the proposal** - List organisations and contact persons that would like to use the project outputs.

## 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 and Dissemination, dissemination, dissemination...

### Simple rules

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

Incubator project participation is funded by WP6





## WP6 help and support

### WP6 plans to provide help and support in all incubator process phases:

- When filling in any of the Templates
- When searching for support
- In promoting the proposal in all its steps
  - Matching the user groups and communication channels
- In tasks during the project execution
- In coordinating and facilitating the work of the focus groups and project teams



## NETDEV Incubator projects so far

### Core TF Network

Project Lead:  
Guy Roberts,  
GÉANT

[Project proposal](#)

### Fibre Sensing

Project Lead:  
Bartosz Belter,  
PSNC

[Project proposal](#)

### AI ChatBot for Network eAcademy

Project Lead:  
Marcin Wolski  
PSNC

[Project proposal](#)

**Your  
project  
here!**

### Fibre Sensing Focus Group

Project Lead:  
Bartosz Belter,  
PSNC

[Project proposal](#)

### Workflow Orchestrator Telemetry Module

Project Lead:  
Peter Boers SURF

[Project proposal](#)

**Your  
project  
here!**



# Thank You!

[www.geant.org](http://www.geant.org)



Co-funded by  
the European Union

[netdev@lists.geant.org](mailto:netdev@lists.geant.org)  
[netdev-incubator@lists.geant.org](mailto:netdev-incubator@lists.geant.org)

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