

HUB4NGI

A COLLABORATIVE
PLATFORM TO UNLOCK
THE VALUE OF NEXT
GENERATION INTERNET
EXPERIMENTATION

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HUB4NGI - An overview of vision and objectives

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HUB4NGI Overview

HUB4NGI

THE HUB4NGI AMBITION

The main goal of HUB4NGI is to transform the current NGI initiative into an increasingly dynamic, collaborative and participatory Innovation Ecosystem capable of effectively supporting and coordinating activities across the whole NGI landscape and provide a collaborative platform, including content, tools and processes, to turn all Internet Researcher and Innovators into NGI promoters.

FACTS AND NUMBERS

- 2 years CSA, started Jan 2017
- 5 Work Packages:
 - NGI APPROACH (IDC)
 - NGI GUIDE (IT Innovation)
 - NGI CATALYST (PSNC)
 - NGI BOOST (Ou)
 - NGI FIGHTER (Martel)



The Next Generation Internet

A MOVING TARGET WITH AN AMBITIOUS VISION

- A "movement" for a Human-centric Internet - Internet of people
- Mobilise young talents and the civil society
- Be inclusive and multidisciplinary
- Embrace research, technology, policy, business for socio-economic impact

“NGI should be designed for humans, so that it can meet its full potential for society and economy and reflect the social and ethical values that we enjoy in our societies”

[Roberto Viola, DG Connect]

Going from FIRE to NGI

ABOUT FIRE

- Already established community, but the FIRE initiative has come to an end
- Several ongoing EC projects, but no more funding
- Strong academic push
- Communication networks focus
- Rather limited impact – especially from a business viewpoint
- Clear potential and importance of experimentation for Internet researchers and innovators

ABOUT NGI

- Scope and vision being shaped
- Lots of converging, but diverse competences and perspectives
- Community to be built / organised
- Limited resources (still) for an ambitious plan
- Several bootstrapping forces / activities to be harmonised
- Make sense out of the parallel ongoing consultations
- What about the existing projects in the NGI Unit? FIWARE? CAPSSI? FIRE?



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**A GROUNDED
APPROACH**

The HUB4NGI Approach

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KNOW-HOW, EXPERTISE, LIAISONS, TOOLS AT THE SERVICE OF NGI

An Innovation HUB for the NGI

Objectives:

- Contribute to ground the **NGI vision**, defining **research scope and priorities**, building the **community**, identifying **key players**, etc.
- **NGI roadmap and policy recommendations** to shape and contribute to define its future, including WP 2018-2020 and FP9
- Support the requirements for the **Next Generation Internet Experimentation** beyond the STUDY lifetime

HUB4NGI – Facts and Figures

HUB4NGI

- **2 years CSA**
- **6 partners:**
 - Martel (CH, Coordinator)
 - IT Innovation (UK)
 - Open University (UK)
 - IDC (Italy)
 - PSNC (PL)
 - IMEC (BE)
- **5 work packages** covering strategy and operation



The HUB4NGI Ambition

CRUCIAL PRIORITIES FOR NGI

- Methodology
- Define a sound approach
- Ground vision and strategy
- Define the R&D agenda
- Validate the methodology
- Engage stakeholders
- Grow the community
- Operate the ecosystem



WP 1 – NGI APPROACH

WP 2 – NGI GUIDE

WP 3 – NGI CATALYST

WP 4 – NGI BOOST

WP5 – NGI FIGHTER

Grounding the NGI Vision, Strategy & Plans

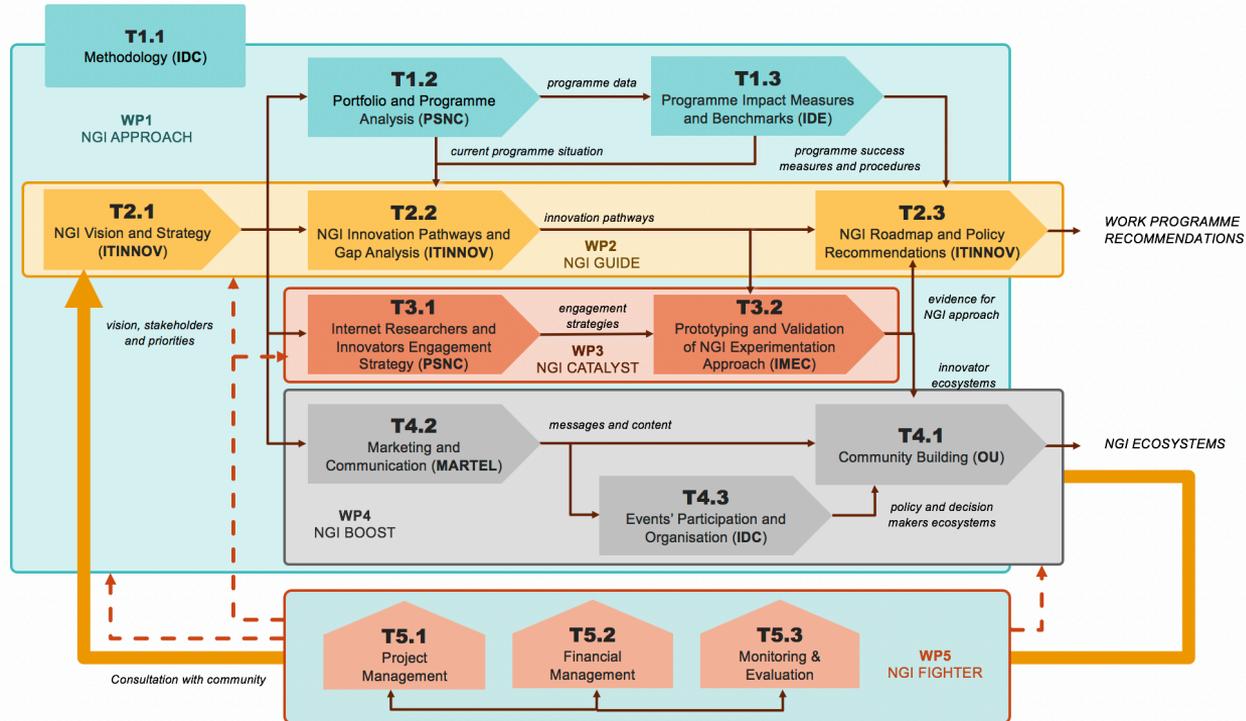
Verifying the NGI Approach / Engaging Stakeholders

Defining Methodology / NGI Machinery

Bootstrapping & Operating the NGI Ecosystem



Zooming into work organisation





HUB4NGI

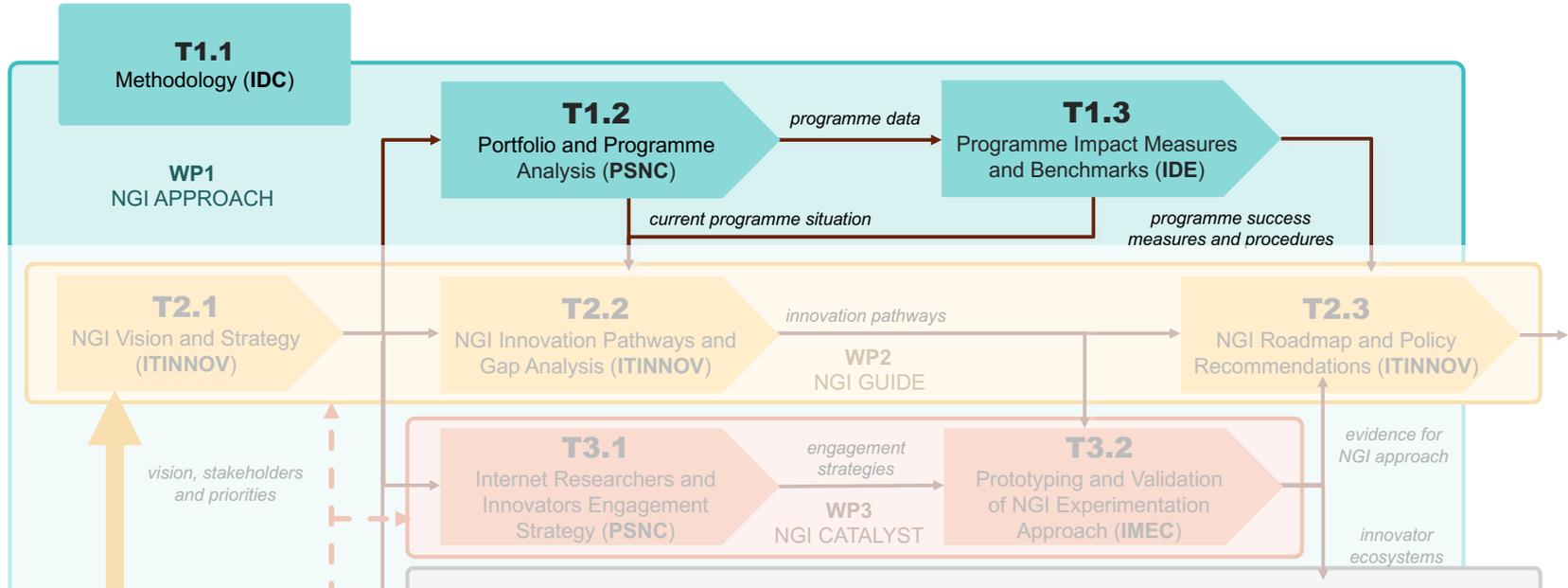
ZOOMING INTO
INDIVIDUAL WORK
PACKAGES

APPROACH: defines an appropriate methodology for collecting and assessing the information relevant to the **uptake of the Next Generation Internet initiative**, while defining the exact models and templates as well as a database structures to collect data.

It will detail procedures to analyse it as well as a **KPI infrastructure to measure and assess** the overall NGI initiative and resources available to the stakeholders in the domain.

It will create **ad-hoc input on NGI domain** to the Roadmap and Policy Recommendations in NGI GUIDE.

HUB4NGI: WP1 APPROACH



TASKS DECOMPOSITION

- Task 1.1 Classification and Assessment methodology

It defines the methodological approaches to be used in HUB4NGI review, classification, assessment and guidance of the initiatives across the entire NGI Programme.

- Task 1.2 Programme Analysis

In charge of delivering a status and coverage report of the initiatives, research topics, technologies, actors and resources available to the NGI community.

- Task 1.3 Programme Impact Measures and Benchmarks

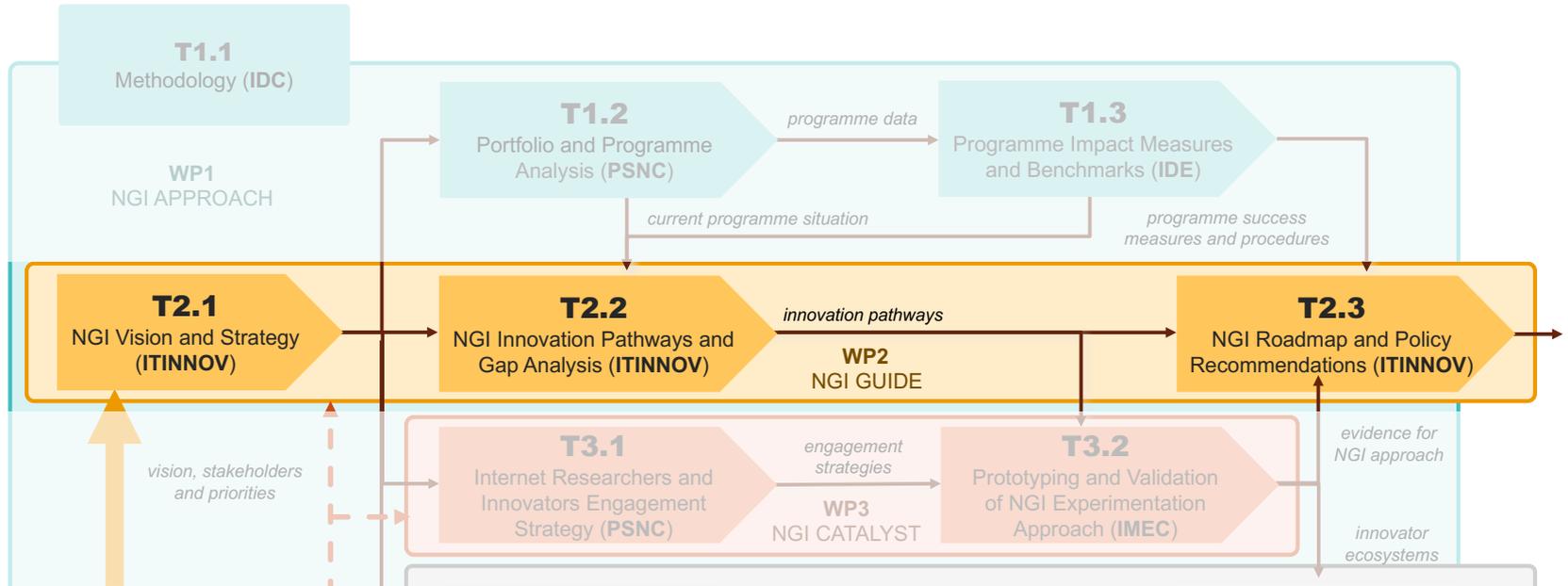
It will create KPIs and Benchmark to be reported in the NGI literature.

GUIDE: provides **strategic guidance** to build and develop a vision and a strategy to **establish and grow** the whole Next Generation Internet Work Programme.

The NGI GUIDE will provide **recommendations** for the NGI programme, including **technical areas**, priorities, **ways to invest**, composition and scale for NGI ecosystems both in the short and medium-to-long term perspective.

By performing a gap analysis and delivering roadmap and policy recommendations, this WP will indicate the **evolution of NGI capabilities** in the next future.

HUB4NGI: WP2 GUIDE



TASKS DECOMPOSITION

- Task 2.1 NGI Vision and Strategy

It provides feedback in line with the existing NGI vision and updates from the vision analysis, building on pre-existing recent work, consulting within the emerging NGI community and relevant experts from beyond the NGI community.

- Task 2.2 NGI Innovation Pathways and Gap Analysis

It determines the pathways to impactful innovation within the NGI, and will recommend areas to fill identified gaps within the current and planned NGI programmes

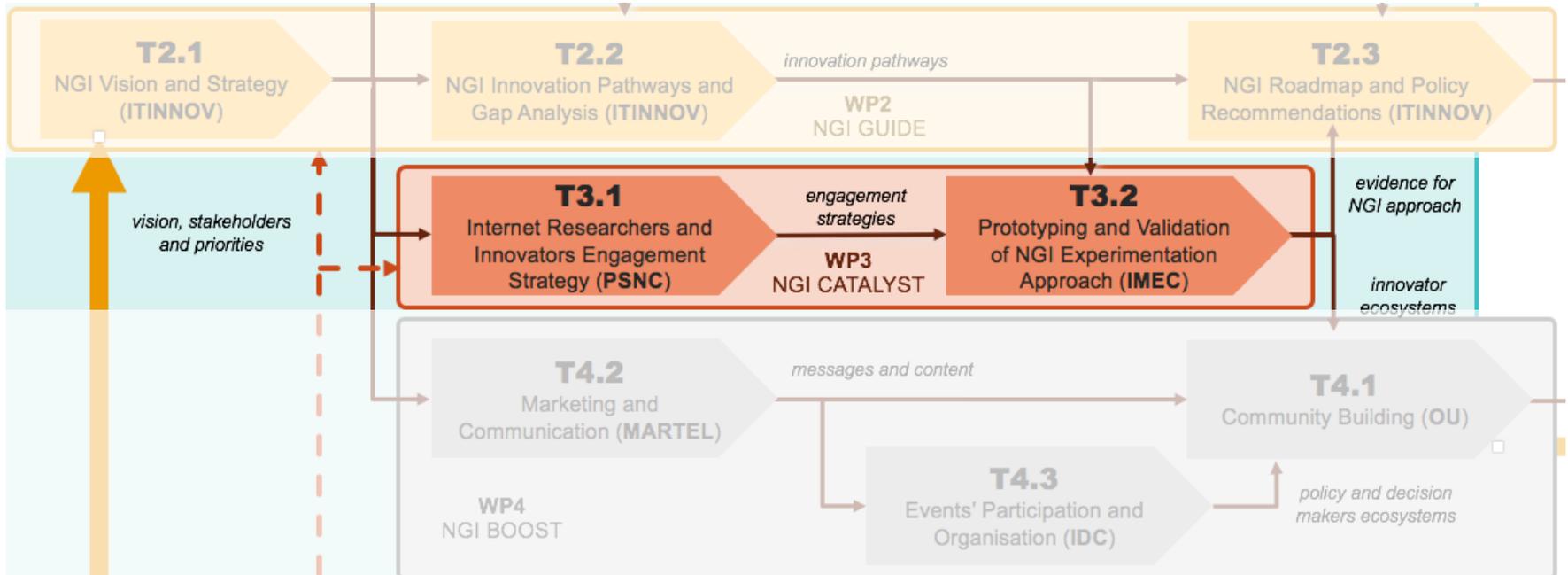
- Task 2.3 NGI Roadmap and Policy Recommendations

Its major purpose is to synthesise outputs from many other tasks within Hub4NGI, in order to produce a cohesive roadmap and recommendations for the NGI work programme

CATALYST: Accelerate the NGI programme implementation, by **identification and promotion** of the NGI value and stimulation of increased participation in the NGI of variety players, with specific attention to SMEs.

This WP creates and runs a set of **dedicated activities** and coordinates processes of **prototyping and validation of the NGI approach** by engaging third-party communities in establishment of NGI vision and bootstrapping the creation of the NGI ecosystem.

HUB4NGI: WP3 CATALYST



TASKS DECOMPOSITION

- Task 3.1 NGI Researches and Innovators Engagement Strategies

To identify strategies to engage both research groups and innovators (SMEs) in the NGI programme to identify possible threshold-lowering barriers and incentives to attract both categories of experimenters to the NGI experimentation facilities

- Task 3.2 Prototyping and validation of the NGI approach

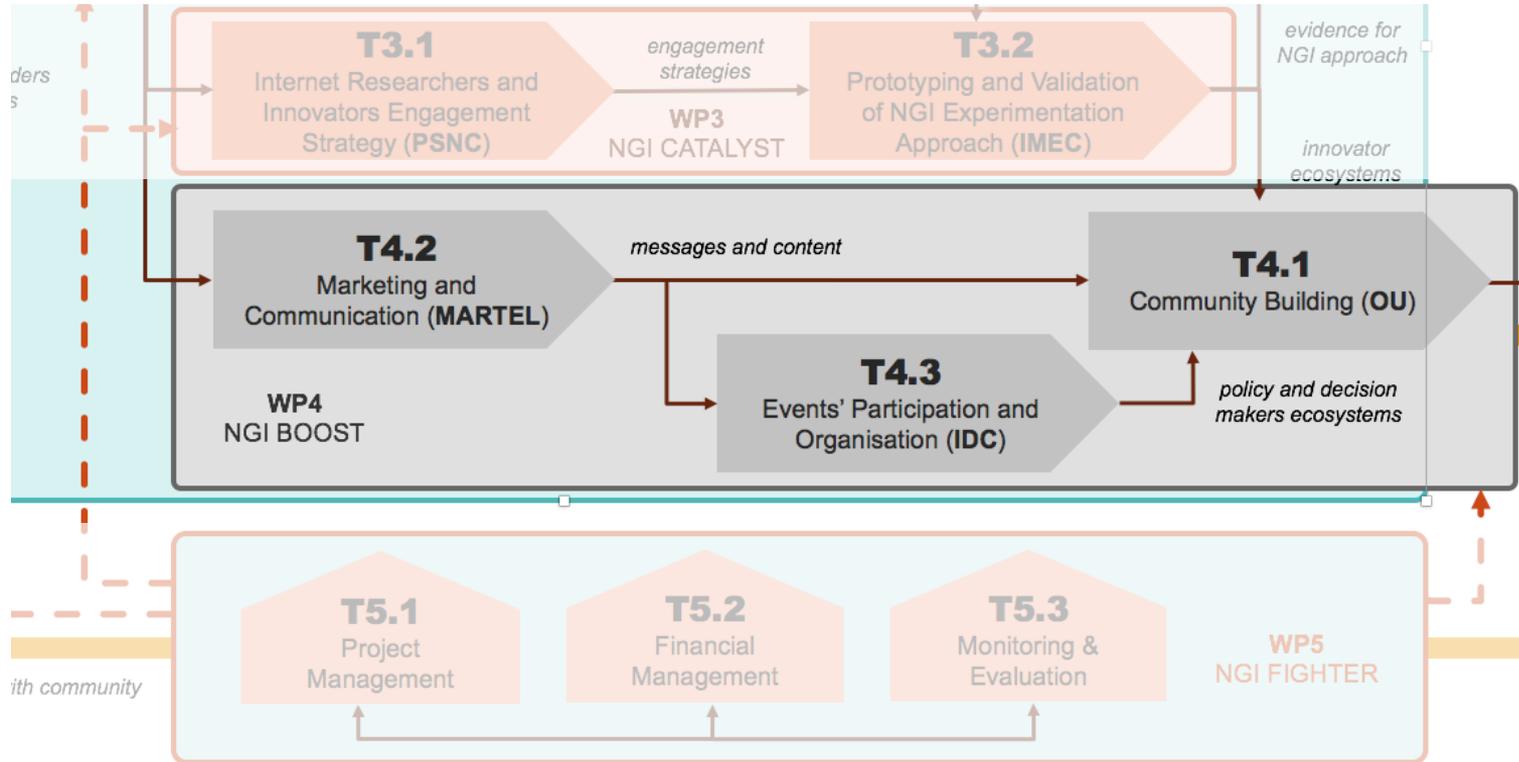
To set up validation procedures for the NGI approach and execute validation procedures. Create and manage the reward programme to evaluate and reward outstanding contributions to the establishment of the NGI vision and recognize major achievements and results within NGI

BOOST: bootstraps and assists **the creation of the NGI ecosystem** as a vibrant and disruptive framework by implementing community building strategies to reach and embrace different target groups (researchers, innovators, policy makers) and players (academia, industry, SMEs, Startups) in Europe and beyond.

WP4 coordinates and empowers **marketing and communication** efforts to **creating awareness** about the whole NGI initiative in Europe and worldwide. It ensures participation to and organisation of **events**.

HUB4NGI: WP4 BOOST

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TASKS DECOMPOSITION

- Task 4.1 Stakeholder Engagement and Community Building

Bringing together the dynamic NGI landscape by means of an NGI Board, NGI Experts Groups and contributing to the set up and coordination of the NGI Interest Groups. It also supports interaction and coordination with the FIF representatives

- Task 4.2 Marketing and Communication

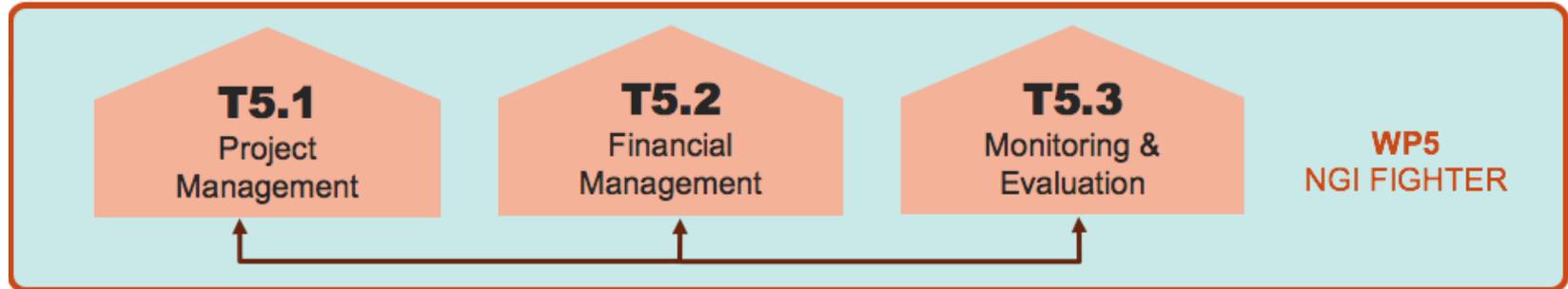
The NGI Media office is dedicated to define and implement the marketing and communication strategy and plan and ensure effective promotion and bootstrapping of the NGI initiative

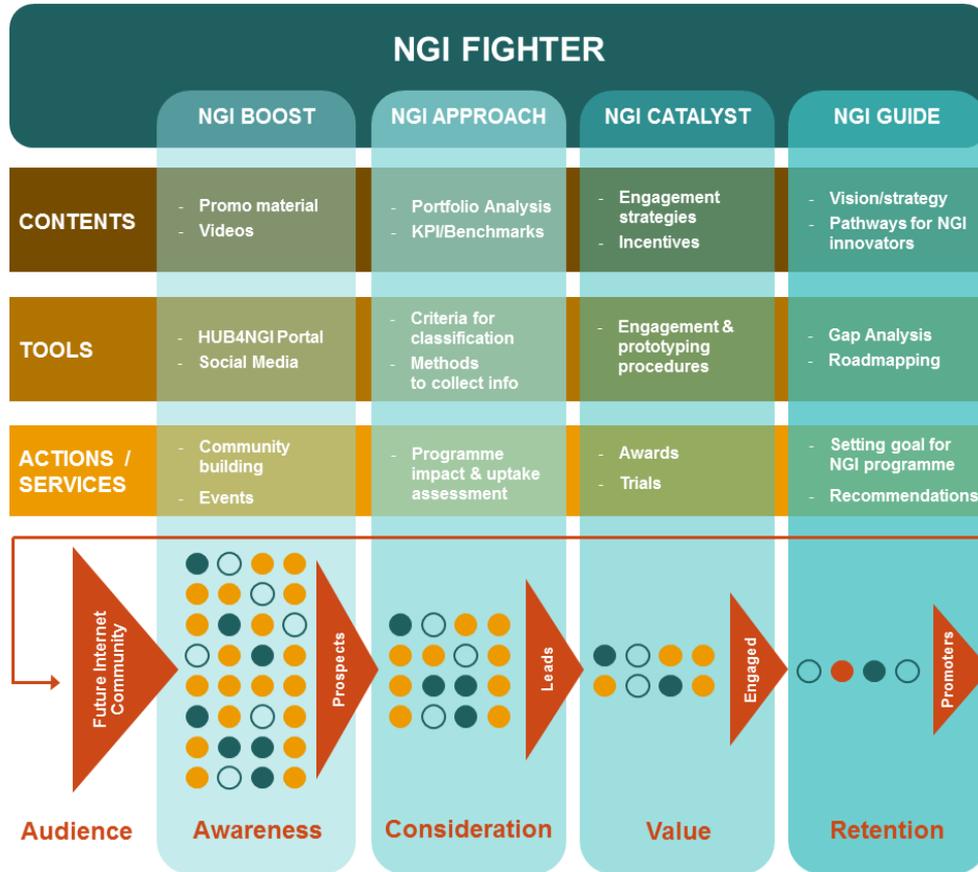
- Task 4.3 Events' Participation and Organization

This task will take care of organising dedicated events, as well as coordinating participation to major ones that will contribute to increase the visibility and the impact of the NGI initiative and HUB4NGI activities

HUB4NGI: WP5 FIGHTER

This WP manages and coordinates HUB4NGI effectively and guarantees smooth interaction among the partners and with the EC for all administrative, legal and financial matters, supervising risks, timely progress and excellent quality delivery.





THE HUB4NGI FUNNELING APPROACH:
 from engagement to retention of stakeholders

HUB4NGI List of deliverables

Deliv. N°	Deliverable Title	WP	Lead Partner	Type	Dissem level	Delivery date
D1.1	NGI Classification and Assessment Methodology	1	IDC	R	PU	M06
D1.2	Portfolio and National Programmes	1	PSNC	R	PU	M12
D1.3	NGI Impact Measures and Benchmarks	1	IDC	O	PU	M24
D2.1	NGI Guide v1	2	ITInnov	R	PU	M06
D2.2	NGI Guide v2	2	ITInnov	R	PU	M12
D2.3	NGI Guide v3	2	ITInnov	R	PU	M24
D3.1	Innovators Engagement Strategy	3	PSNC	R	PU	M12
D3.2	Report for prototyping and validation	3	IMEC	R	PU	M22
D4.1	The HUB4NGI Portal	4	Martel	DEC	PU	M03
D4.2	Marketing, Communication and Community Building Strategy and Plan	4	Martel	R	PU	M04
D4.3	Report on Community Building and Promotional Activities	4	OU	R	PU	M12
D4.4	Report on Community Building and Promotional Activities	4	IDC	R	PU	M24
D5.1	Project Presentation	5	Martel	R	PU	M03
D5.2	Quality Assurance Plan	5	Martel	R	PU	M03
D5.3	Data Management Plan (updated yearly)	5	OU	R	CO	M06

**THANK YOU
FOR YOUR
ATTENTION**

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