INPACE

Indo-Pacific-European Hub
for Digital Partnerships

ヨーロッパとインド太平洋のための
デジタルパートナーシップ強化

디지털 파트너십 강화
유럽 및 인도 태평양의 경우

Deliverable D1.1:
Toolbox and Roadmap for the realisation of the Hub

D1.1 Toolbox and Roadmap for
the realisation of the Hub
Public

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Abstract	This document, Deliverable D1.1, contains a collection of methodological materials (so-called tools) that were written by the INPACE Consortium partners, in order to facilitate a common understanding about different elements of the INPACE Hub between the INPACE Consortium partners and the experts in the Thematic Working Groups (TWGs) of INPACE, and to support the establishment and further development of the INPACE Hub. The individual "tools" are provided in the Annexes.
Keywords	INPACE Hub, methodological materials, development of the INPACE community, community platform

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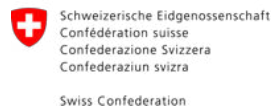| Grant Agreement No: 101135568	Topic: HORIZON-CL4-2023-HUMAN-01-91
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EXECUTIVE SUMMARY

This document D1.1 Toolbox and Roadmap for realisation if the Hub is elaborated in the framework of the INPACE project.

To pave the way towards the creation of the INPACE Hub as a Multi-Stakeholder Hub where experts, policy makers, and the digital innovation community across Europe and Asia are informed and can collaborate to drive digital innovation, the main mechanisms and tools for the INPACE Hub creation were gathered in this document.

In this frame, the deliverable comprises the following parts:

- Objectives of the INPACE Hub creation
- Main terminology related to the INPACE Hub
- Main elements of the INPACE Hub: INPACE Community platform, INPACE communities, INPACE Knowledge platform and the mechanisms to animate the Hub
- Each element of the INPACE Hub is developed to achieve better understanding among the INPACE Consortium partners
- INPACE Toolbox is elaborated and presented in the deliverable, including all it's components which are included as Annexes
- Roadmap for the INPACE Hub creation is generalised

D1.1. is a living document and could be updated later on, based on the project experience, proposals to optimise procedures etc.

> **More information on INPACE, its results, as well as on the consortium is available on the web portal of the project (**https://www.inpacehub.eu/**).**

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LIST OF FIGURES

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ABBREVIATIONS

AI	**Artificial Intelligence**
CMS	**Content Management System**
DP	**Digital partnerships**
EU	**The European Union**
GDPR	**General Data Protection Regulation**
IA	**Innovation Action**
ICT	**Information and Communication Technologies**
IoT	**Internet of Things**
IT	**Information Technology**
NDA	**Non Disclosure Agreement**
NGO	**Non-Governmental Organisation**
PU	**Public**
R&I	**Research and Innovation**
RIA	**Research and Innovation Action**
TTC	**Trade and Technology Council**
TWG	**Thematic Working Group**
WP	**Work Package**
Q&A	**Questions and Answers**

ABOUT INPACE

The mission of the **INPACE** is to support the Digital Partnerships with Japan, the Republic of Korea and Singapore and the TTC between the EU and India and to contribute to the deepening of the collaboration between the regions in the domain of digital technologies and their application for the well-being of the citizens in Europe and in the Indo-Pacific region. Toward this goal, **INPACE** works on three levels:

- **Establishing regular exchanges between leading experts** from Europe and the four partner countries on policies, further developments of key digital technologies, and their implementation and commercialisation

- **Supporting the digital policy dialogues** on the governmental and institutional level and the implementation of the Digital Partnerships and the TTC with India

- **Informing and involving a large community of stakeholders** in Europe and in the Indo-Pacific partner countries into the dialogues via online and in-presence events and via the INPACE Community Platform.

To support these connected activities, INPACE will create a Multi-Stakeholder Hub where experts, policy makers, and the digital innovation community across Europe and Asia are informed and can exchange ideas with the goal to drive digital innovation.

The INPACE Hub comprises several components, including the following:

- The IT functionality for the Hub (hereinafter - Community platform)

- The members of the INPACE Community which can be structured into concentric shells: the project consortium and the experts, the INPACE Community of Practice and the INPACE Community of Interest.

- A Knowledge platform, which provides access to content that was developed by the INPACE consortium and the INPACE Thematic Working Groups or added by INPACE Community members.

At least 300 stakeholders are expected to be involved and engaged via the Hub during the lifetime of the INPACE project.

INPACE organises exchanges between experts from industry, associations, government institutions and the research communities by setting up 16 **Thematic Working Groups (TWGs)** that bring together forward-looking experts in specific domains from the partner countries and from Europe. The 16 TWGs are organized in five **Clusters** that are co-led by organizations from Europe and from the Indo-Pacific region which are partners or associate partners of INPACE.

- Cluster 1: Digital Dialogues, Policies, and Education

- Cluster 2: Innovation and Entrepreneurship for Sustainable Well-being

- Cluster 3: Digital Technologies: Trustworthy Decision Support

- Cluster 4: Digital Technologies: Chips for the Future

- Cluster 5: Digital Technologies: Future Networks

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The structure of the Clusters and the Thematic Working Groups is depicted in Figure 1.
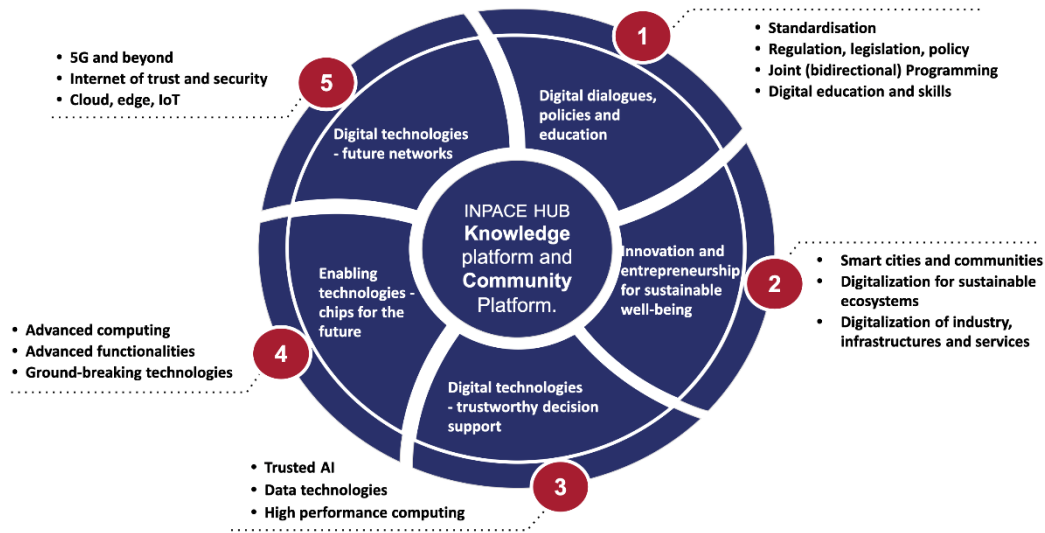

Figure 1. The structure of the Clusters and the Thematic Working Groups

INPACE aims at the following outcomes:

- Convergence on principles in regulation, legislation, and standards for digital technologies and new joint major policy initiatives between the EU and the Indo-Pacific region

- Harmonized research and innovation funding programs and joint calls

- Reduction of barriers for trade and commercialization of new digital technologies

- Long-term collaborations in the field of digital technologies and their applications.

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1 SECTION: INTRODUCTION

1.1 PURPOSE OF THE DOCUMENT

One of the main outcomes of the INPACE project is the INPACE Hub, an interactive multi-stakeholder long-lasting expert-driven platform. The INPACE Hub is the main mechanism to realise the mission of the INPACE project to actively support the implementation of the Digital Partnerships with Japan, the Republic of Korea, and Singapore, and the cooperation with India in the context of the TTC.

Creation of the INPACE Hub includes several components:

- Development of the IT functionality (hereinafter - Community platform).

- Creation of three different communities: The INPACE Core Community (consisting of the project partners and the members of the TWGs), the INPACE Community of Practice, and the INPACE Community of Interest.

- Development of mechanisms for the collection, archiving and updating of information, documents etc., i.e. the INPACE Knowledge Platform.

- Development of mechanisms for creating and animating the different INPACE Communities.

The purpose of this document is

- To clearly define the elements of the INPACE Hub and their interplay.

- To assemble the Toolbox of documents that support the common understanding of the INPACE project and the INPACE Hub.

- To present the main elements of the strategy to realise and expand the INPACE Hub.

1.2 MAIN TERMINOLOGY

In this chapter the main terms used throughout this deliverable are explained.

INPACE Hub

The INPACE Hub is a collaborative framework taking the form of a bottom up, interactive multi-stakeholder long-lasting expert-driven platform that involves stakeholders that are relevant to and interested in digital research, innovation and policy cooperation between Europe and the Indo-Pacific countries. INPACE Hub will serve as a mechanism to support digital partnerships and to foster collaboration in digital technologies between the EU and Japan, the Republic of Korea, Singapore, and India, during and after the INPACE project. INPACE Hub will be the main reference channel for stakeholders to assess INPACE data and related services, the central hub for collaboration and knowledge sharing.

The INPACE Hub consists of the INPACE Community Platform (the central IT tool), the three different INPACE Communities (Core Community, Community of Practice and Community of Interest) and the INPACE Knowledge platform.

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Community platform

The INPACE Community Platform provides the IT functionality of the INPACE Hub. It is designed and implemented to facilitate interaction and information exchange among the INPACE stakeholders, and will have value-added features, including search and mapping tools, content translation, a virtual fair space, and others.

INPACE Communities

The INPACE Community are people, organisations, and stakeholders who are interested in the exchange and in cooperation on digital policies and technologies between Europe and the Indo-Pacific region. The INPACE Community comprises three communities in concentric circles

- The INPACE Core Community that consists of the consortium partners and the experts who are involved in the dialogues in the TWGs.

- The INPACE Community of Practice which consists of those stakeholders who actively take part in discussion and activities in INPACE and on the INPACE platform.

- The INPACE Community of Interest which consists of the broader community which is interested in information from and about the INPACE Hub and project and the Digital Partnerships and the TTC without taking an active role.

INPACE Knowledge platform

The INPACE Knowledge platform is a collection of information and documents of the INPACE Hub, including the mechanism of its gathering, archiving and updating which is stored in the INPACE Community Platform. The INPACE Knowledge platform is part of the INPACE Hub and is an important tool to involve and to engage the INPACE Community into the INPACE Hub.

Toolbox

Toolbox is the set ("box") of documents ("tools") that help to create a common understanding about the INPACE Hub for the 100+ TWG experts and the INPACE consortium partners. It includes overview of processes, milestones, main components, useful materials to be used by the INPACE TWG experts and the consortium partners etc.

INPACE Consortium

The INPACE Consortium (or project partners) consists of the European project partners and the associated partners in the four Indo-Pacific partner countries.

Thematic Working Groups (TWGs) experts

The TWG experts are the forward looking leaders in their fields with an international standing and a solid network in at least one partner country from academia, industry, associations in domains that are most relevant to innovation in digital technologies and their commercialisation in Europe and across the four partner countries. The experts are invited personally after consultation within the project consortium and with other stakeholders.

INPACE Thematic Working Groups (TWGs)

Thematic Working Groups (TWGs) are the main expert driven mechanism of INPACE. The mission of the 16 TWGs is to foster joint research and innovation, business collaboration, market opening, policy collaboration and recommendations, as well as to support the implementation of the Digital

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Partnerships (EU-Japan, EU-ROK, EU-Singapore) and the Trade and Technology Council (TTC) with India. The TWGs are composed of high-level experts from the Indo-Pacific Region and Europe. The TWGs discuss the state of research and innovation in their specific areas and produce reports on the state of play and a roadmap for further progress and collaboration between the EU and the Indo-Pacific Region.

The TWGs are structured into 5 Activity Clusters. See Chapter About INPACE.

Clusters

The TWGs are organized in five **Clusters** that are co-led by organisations from Europe and from the Indo-Pacific region, see Figure 2:

Cluster	European leader	Indo-Pacific co-leader (technological clusters)
Cluster 1: Digital dialogues, policies and education	Dr Eva Pejsova, Vrije Universiteit Brussel (VUB), Belgium	Prof. Jaeseung Song, Sejong University, ROK
Cluster 2: Innovation and entrepreneurship for sustainable well-being	Dr Franck Le Gall, EGM, France	Prof. Senthilmurugan Subbiah, Indian Institute of Technology Guwahati (IITG), India
Cluster 3: Digital technologies – Trustworthy decision support	Dr Antonis Ramfos, Athens Technology Centre (ATC), Greece	Prof. Shuzhi Sam Ge, National University of Singapore
Cluster 4: Enabling technologies – Chips for the future	Dr. Francis Balestra, Institut SINANO Association (SiNANO), France	Prof. Hayashi Yoshihiro, Keio University, Japan
Cluster 5: Digital technologies – Future networks	Adam Kapovits, Eurescom-European Institute for Research and Strategic Studies in Telecommunications GMBH (EURESCOM), Germany	Prof. Akihiro Nakao, The University of Tokyo, Japan

Figure 2. INPACE cluster leaders and co-leaders

Integrative Events (symposia)

The Integrative Event of INPACE (symposia) are part of 'in situ' activities of the INPACE Hub. They are international events that integrate discussions and exchanges on all topics across INPACE and all involved countries of the Indo-Pacific region (India, Japan, Singapore, South Korea). They bring together all INPACE partners and many TWG experts, to discuss advancements in the TWGs and across TWGs, to present INPACE progress and discuss with the larger audience and to provide feedback to the Digital Partnerships. There will be three symposia and one final event of the project, each in one of the partner countries.

National events

National events of INPACE (workshops) are part of 'in situ' (physical) activities of the INPACE Hub. It is the international event bringing together specialists in all relevant INPACE topics from Europe and from the hosting partner country.

Thematic events (workshops or webinars)

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Thematic events of INPACE (workshops or webinars) are part of 'in situ' or on-line activities of the INPACE Hub. They are organised by the TWGs and focus on specific topics related to the scopes of the TWGs. Thematic events can be organised across TWGs.

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2 OBJECTIVES AND SCOPE OF THE TOOLBOX

2.1 OBJECTIVES OF THE TOOLBOX

The following chapter presents the objectives of the INPACE Toolbox. It gives an overview of the processes, milestones, main components, and useful materials to be used by the INPACE Community to create the INPACE Hub.

The main objectives of the INPACE Toolbox are the following:

- Presentation of the main terminology, approaches applied and components that are needed to create the INPACE Hub

- Sharing the joint vision and understanding about the INPACE Hub among the INPACE Consortium partners

- Shared understanding of the processes, milestones, and main components of the INPACE Hub and facilitating the work of the partners

2.2 SCOPE OF THE TOOLBOX

INPACE Toolbox is developed to present the materials, developed by the INPACE Consortium partners, needed to establish and to launch the INPACE Hub.

INPACE Toolbox is a collection of public summaries and methodological materials that were provided by different consortium partners on the following topics, all of them are included to this deliverable as annexes:

- Annex 1. Summary of INPACE for public use
- Annex 2. Terms of Reference for the experts in the TWGs
- Annex 3. Structure of the Hub and guidance materials for all Clusters and all TWGs
- Annex 4. Guidelines for TWG's engagement strategy
- Annex 5. Messages for policy makers about the Hub
- Annex 6. Overview of integrative activities
- Annex 7. Guide about the empowering work
- Annex 8. Community platform info-sheet

The developed materials are included in this deliverable as Annexes as each of these documents is a "stand alone tool" which will be published on the INPACE Hub, there are some repetitions. The developed documents within the Toolbox are accessible for all the INPACE Consortium partners and for the TWG members, via the internal channels of communication (eg Teams, e-mails). In addition, the materials of the Toolbox can be shared with target audiences as by their content.

For the approach to the Hub and for the development of the Toolbox materials, consultations with the other related projects and initiatives, including the EC Policy Unit and the EU bodies (working with the partner Indo-Pacific countries have been organised (along with the scouting of the previous experiences in the field of the digital partnerships. The stakeholders already met include: EU Policy Unit at DG CNECT (responsible for Japan, South Korea, Singapore and India), EU Delegation to Japan, Digital partnerships in Action (DPA), the EU-India Digital Policy Dialogue project, International Digital Dialogues of GIZ (South Korea, Japan, Singapore) and others.

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3 OBJECTIVES AND SCOPE OF THE ROADMAP FOR INPACE HUB CREATION

3.1 OBJECTIVES OF THE ROADMAP FOR INPACE HUB CREATION

The following chapter presents the objectives of the INPACE Roadmap. It presents an idea how the INPACE Hub shall be developed and what are the next steps for its launch and development.

The goal of the Roadmap for INPACE Hub creation "From the INPACE Consortium to the INPACE Hub as a multi-stakeholder platform" is to develop an approach how to create and animate INPACE community.

The main objectives for the Roadmap are the following:

- To define the INPACE Hub stakeholders

- To define key elements of the INPACE Hub

- To create a mechanism for the development of each element of the INPACE Hub

- To define an offer for the INPACE Community

- To define milestones for the creation of the INPACE Hub

3.2 SCOPE OF THE ROADMAP

INPACE Roadmap for realisation of the INPACE Hub is developed to support putting INPACE Hub in place. This deliverable includes brief overview of the developed Roadmap.

INPACE Roadmap for realisation of the INPACE Hub includes the following components:

- Key elements of the INPACE Hub

- Approach to the Community platform (IT functionality) development

- Key stakeholders of the INPACE Hub – INPACE Communities

- Approach to the filling in the INPACE Hub with content

- Mechanism of the animation INPACE communities

- Offer for the INPACE communities' members

- High-level overview of the INPACE Hub Roadmap

The Roadmap has been developed in tight cooperation with the INPACE Consortium members, both via exchanges and via the joint Online co-creation workshop with consortium "Roadmap for creation of the INPACE Hub" conducted in July 2024.

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4   SUMMARY OF THE ROADMAP

4.1   Main elements of the Roadmap for the INPACE HUB creation

Roadmap is about the expansion of the Hub (in the sense of the community, not IT part) **from the current status (INPACE consortium) to the multi-stakeholder platform**.

While creating and developing the INPACE Hub, the challenge includes creating and animating a large interactive community, willing to contribute, a living community.

As mentioned in the chapter About INPACE, the INPACE Hub includes several components which are summarised on Figure 3:

- The Community platform (IT functionality for the Hub)

- The INPACE Community

- A Knowledge platform.
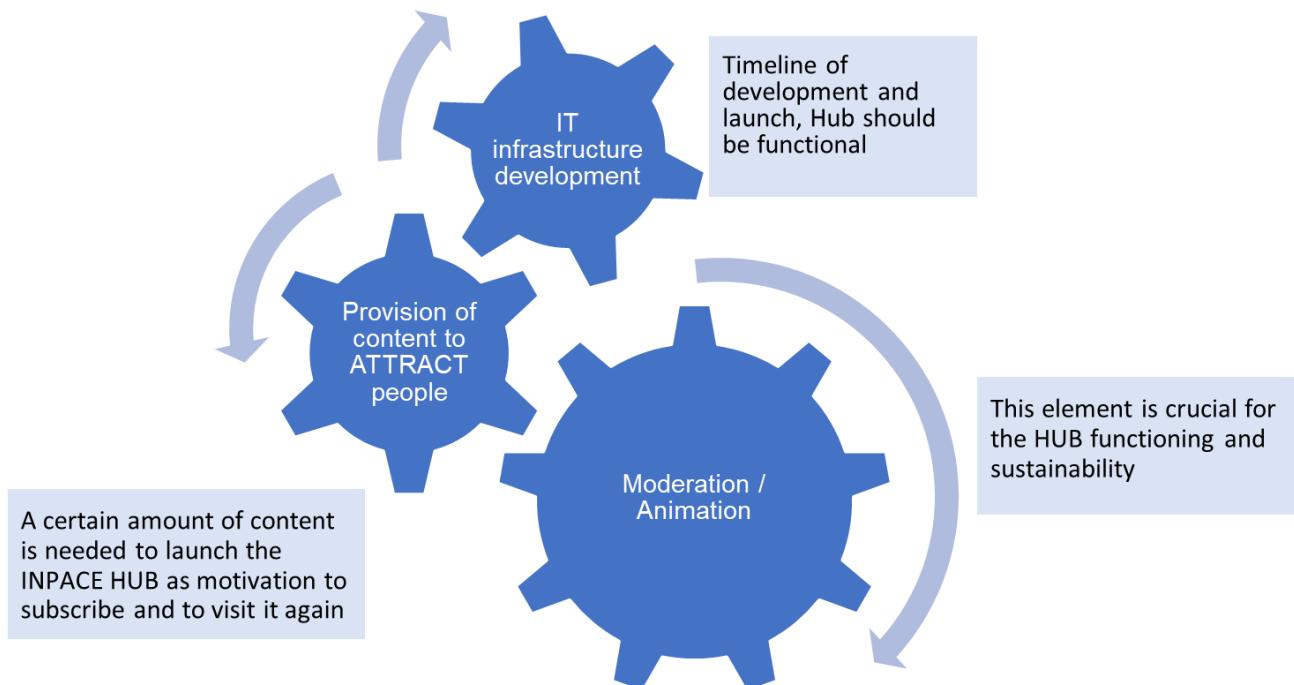
Figure 3. Components of the INPACE Hub

Therefore, as described in the chapter Purpose of the document, creation of the INPACE Hub includes the following components, which are depicted in Figure 4:

- Development of the IT functionality

- Creating three different communities: The INPACE Core Community (consisting of the project partners and the members of the TWGs), the INPACE Community of Practice, and the INPACE Community of Interest

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- Development of the mechanisms for the collection, archiving and updating of information, documents etc.

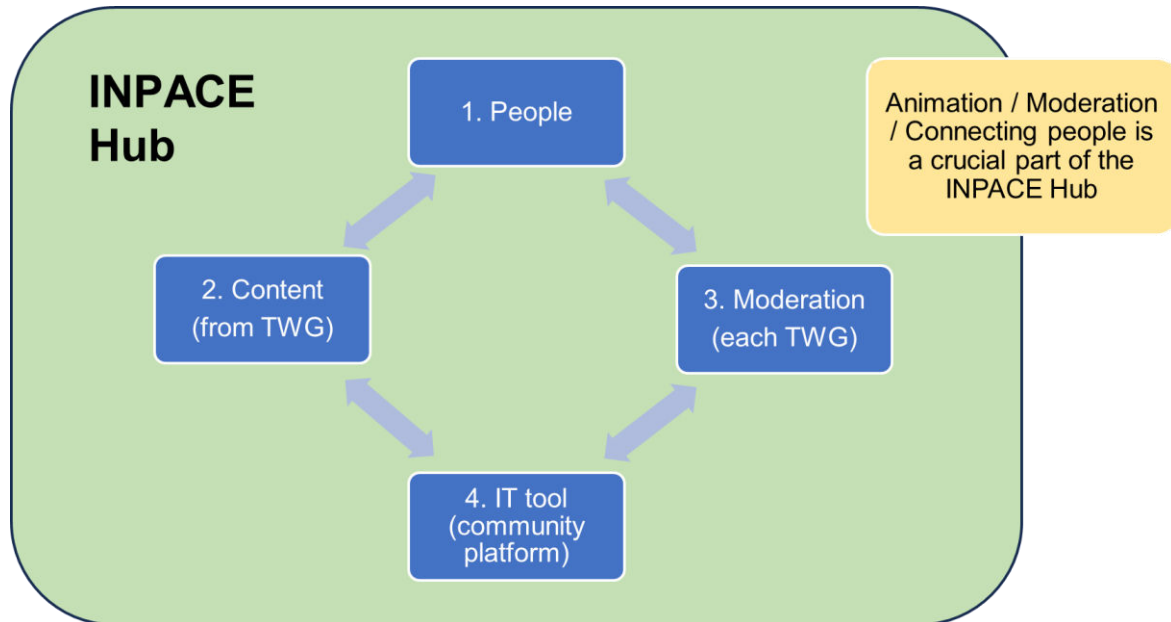- Development of the mechanisms for animating the different INPACE Communities.

Figure 4. Structure of the INPACE Hub

4.2 INPACE COMMUNITY PLATFORM (IT - FUNCTIONALITY)

INPACE Community platform includes the development of the technical functionality needed to organise the communication, interaction and other components of the INPACE Hub. Details of the planned functionality are presented in the toolbox document "Community platform Info-sheet", see Annex 8.

The official launch of the community platform is expected not later than by the end of the 2024. The technical components of the platform with functionalities are developed step by step depending on the needs.

The following tools and services are previewed within the Community platform:

- Tools to promote activities of the TWGs
- A personal promotion space for stakeholders and a GDPR compliant internal database
- A match-making and messages area for the community members
- A search engine with a mapping tool, allowing search by keywords and categories
- Content Management System (CMS) to publish content
- A news area, based on the award-winning AI-powered newsletter solution
- A virtual fair, which will replicate the experience of a traditional fair, trade show, or exhibition
- A component to automatically translate written contents
- Web analytics solution to track audience.

INPACE Community platform is in process of development, and will be the main reference channel for stakeholders to assess INPACE data and related services.

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4.3 INPACE COMMUNITIES

Communities and their interaction is a central part of the INPACE Hub. The approach for the INPACE communities is described in the chapter 4.3.1 Communities and the offer suggested to the communities' members is presented in the chapter 4.3.2 Offer for the INPACE Community.

4.3.1 COMMUNITIES

Key stakeholders of the INPACE Hub are structured in several groups, in INPACE Communities, see Figure 5:

1. **INPACE Hub core community**, which includes INPACE Consortium partners and 16 TWGs with experts.

2. **Community of practice** which includes policy makers, pilot projects, participant of the events etc. This group of stakeholders is interested in the results of the INPACE Hub and its uptake, they could be consulted for the exploitations of the results.

3. **Community of interest**, which includes all other possible stakeholders, including general public when relevant (for example, participants of the open webinars).
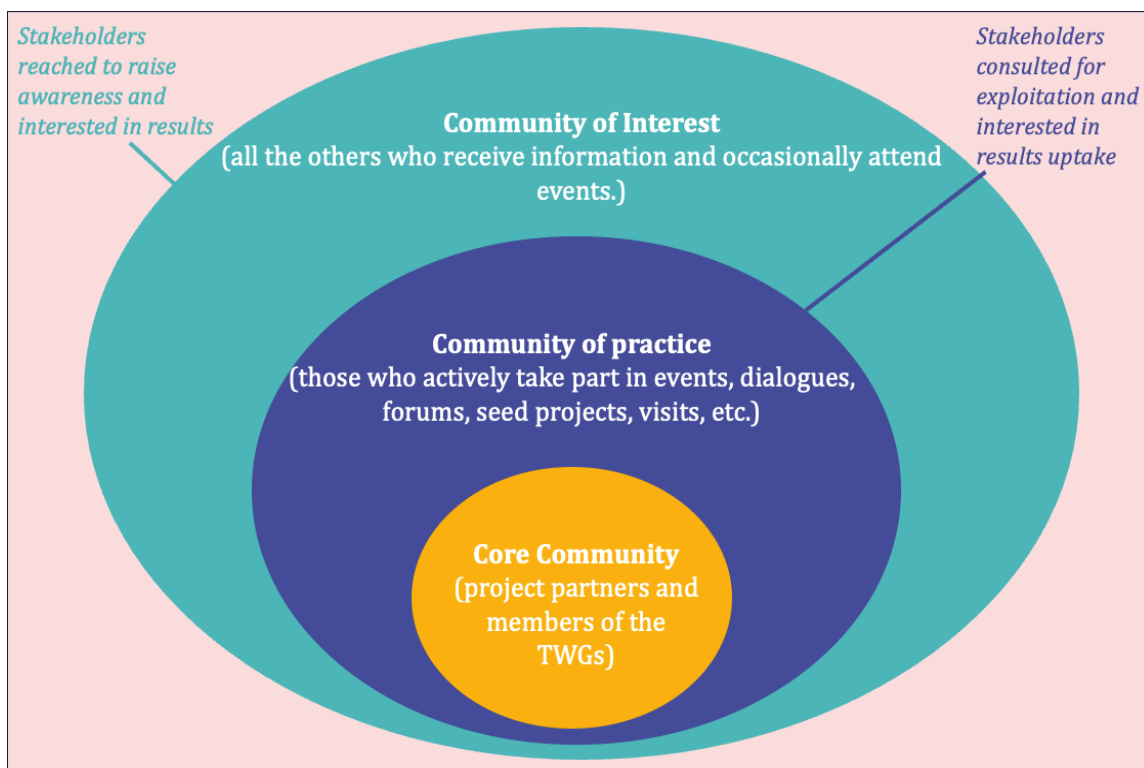
Figure 5. Types of stakeholders of the INPACE Hub

Various target audiences could be reached out depending on the specific service provided by the INPACE Hub. Stakeholders can include:

- Corporates

- Start-ups

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- Non-for-profits

- Universities

- State, regional and local authorities

- Citizens etc.

4.3.2 OFFER FOR THE INPACE COMMUNITY

To achieve the INPACE Hub objectives, as the initial step, a preparation of attractive offers for the community members is needed. The following elements are included as a part of the offer for the INPACE Hub:

- Information (content), interaction – all this is driven by TWGs with additions of the work conducted within the INPACE Consortium partners

- Networking

- Event announcements (calendar of events)

- Information on European funding and calls

- European member states bilateral collaborations and their events (e.g. EU-Japan stakeholder workshop in April 2024)

- AI newsletter

- Q&A per topic lead by TWG leaders

- Webinars, which could be open not only for the community members but helps to attract members

- Specific offerings, for example seed/pilot project announcements etc., even if it's relevant for a small part of people, they have a value

- Other functionality, for example Virtual expo

- Showcasing specific projects (eg RIA/IA etc)

The suggested offer for the INPACE Community is prepared to attract the members (for example, via events, announcements, knowledge sharing) and to ensure their active involvement in discussions and further engagement.

4.4 INPACE KNOWLEDGE PLATFORM

To ensure the high quality of the Offer for the INPACE Community, it is important to develop the mechanisms for the collection, archiving and updating of information, documents etc. within the INPACE Hub, which is generalised as **the INPACE Knowledge platform**.

Provision of content for the Hub to attract people is an important part of the INPACE Hub as it brings the materials for the community members around which they could interact, collaborate and

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expand. A certain amount of content is needed to launch the INPACE HUB as motivation to subscribe and to visit it again. The content related to the thematic, which has been created within other projects and initiatives could be considered to be imported in the INPACE Hub if this is agreed by parties (for example, content created by Digital Partnerships in Action). In some cases automatic tools could be used to gather needed information.

Two types of the content are considered for the INPACE Hub:

- **Central information**: e.g. announcements of conferences, dissemination of important documents by the Commission, news section. This should also contain information on topics that are not covered by the TWGs.

- **Specific information provided by the TWGs**: interesting information, project outputs. This information must be curated, see p.4.5.

4.5 ANIMATION OF INPACE COMMUNITIES

Moderation / **animation of the community** is a crucial element of the INPACE Hub for the Hub functioning and sustainability.

Provision of the interesting engaging content requires continuous work. To create real interaction between the members of the community is not an easy task.

The main design decision is to decentralise, to give the responsibility to moderate and to animate the communities to people who know the thematics, i.e. TWGs leaders. For example, news could be tailored for the community members. Users must be able to receive filtered/targeted/specific information.

Additional opportunities which could be included in the INPACE Hub to make it more attractive for the community are the following:

- Discussion forums for the TWGs

- A central forum (possible)

- A "Linkedin-like" structure to alert the users about new content on the platform is important to return to the platform. LinkedIn could be considered as an example of the suggested approach.

4.6 SUMMARY OF THE INPACE HUB ROADMAP

The official launch of the INPACE Hub is expected during the first INPACE in-person integrative event – Indo-Pacific Symposium on Digital Technologies and Policies in the Republic of Korea, which will be held on 21-22 of October, 2024 in Seoul, the Republic of Korea.

The preliminary steps of the timeline for the INPACE Hub Roadmap are the following and are visualised on the graph below, Figure 6:
- Create and offer for the INPACE Hub => done, presented in the deliverable
- Finetune IT part => in process, IT part will be developed progressively
- Fill in with content => will be done before the official launch of the Community platform
- Launch date of the INPACE Hub => 21-22 of October, 2024 in Seoul, the Republic of Korea

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- Launch event => Indo-Pacific Symposium on Digital Technologies and Policies in the Republic of Korea
- Expand content => will be done progressively, during lifetime of the INPACE Hub
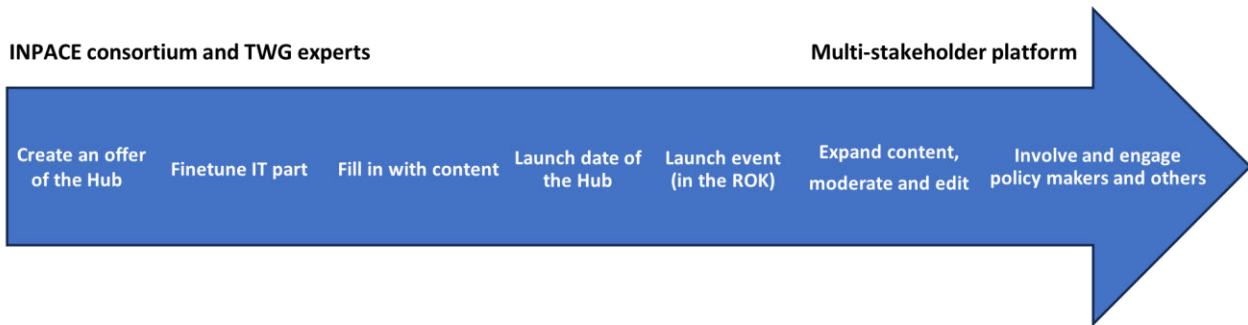- Involve and engage policy makers and others => will be done progressively, during lifetime of the INPACE Hub

Figure 6. Summary of the Timeline for the INPACE Hub Roadmap

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5   CONCLUSION

This deliverable presents the INPACE Toolbox and Roadmap for realisation of the INPACE Hub. This document clarifies the terminology, helps in better understanding of the INPACE Hub, provides practical "tools" (documents) to the consortium partners and the TWG experts, and presents the co-created roadmap of the INPACE Hub. The Toolbox documents are placed in the Annex.

As INPACE Hub is considered to became the main mechanism for the INPACE project implementation (in other words, the INPACE project is becoming the INPACE Hub and expanding) and is planned to be sustainable after the project's end, it is important to prepare the joint vision of the INPACE Consortium partners through the Toolbox preparation, to develop a strong sustainable INPACE Community, and to identify main strategic directions how the Hub will be delivered within the Roadmap.

The Toolbox and the Roadmap are not the "fixed" documents, they might evolve throughout the next years, both in terms of timing, in terms of the offer of the INPACE Hub and in terms of the activities.

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ANNEXES

ANNEX 1. SUMMARY OF INPACE PROJECT FOR THE PUBLIC USE

<div align="center">

THE INPACE PROJECT
PUBLIC SUMMARY

European Union – India– Singapore – Republic of Korea – Japan

</div>

Digital technologies are a major driver of the progress towards sustainable, open, fair, and prosperous societies. Technological advances continue to be made at a fast pace in communications and networks, electronic systems and chips, artificial intelligence and big data technologies, high performance computing, cloud and edge computing, decision support and many more. While these technologies have a huge potential to foster economic growth, sustainability and the quality of life of the citizens, their usage and implementation also pose challenges: acceptance of and trust in technologies, data and internet security, barriers to access, governance, power consumption, etc. After the setback by the Covid pandemic, international cooperation should now be intensified again to speed up technological developments and their socially and environmentally beneficial uptake.

The European Union is strongly interested to strengthen its connection to Indo-Pacific region to jointly realize benefits in research and innovation, deployment and commercialization of technologies, harmonization of regulations and standards and in stabilizing supply chains. In this context, the promotion of digital technologies has become one of the highest priorities. The EU has therefore established Digital Partnerships (DPs) with Japan (2022), the Republic of Korea (2022) and Singapore (2023). The European Union and India have strengthened their strategic partnership by setting up a Trade and Technology Council (TTC) in 2022 that includes digital technologies and their application as a key area.

These digital partnerships and the TTC aim at further deepening ties in research and innovation and regulatory cooperation and at expanding bilateral trade and investments, with the goal that society and businesses in both regions benefit from opportunities in the growing global digital economy. These partnerships also underline the interest of the Indo-Pacific partners to increase their cooperation with the EU against the background of increasing tensions and sharpening competition worldwide.

Trusted digital technologies for sustainable well-being are in the centre of the priorities of Europe and of the four partner countries as defined in the strategic documents of the Digital Partnerships with Japan, the Republic of Korea and Singapore and of the TTC with India. Effective implementation of these partnerships through practical achievements and their effective communication are of prime importance for the four partner countries in the Indo-Pacific and the European Union.

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The Mission of INPACE

The mission of the **INPACE** is to the support digital partnerships and the TTC and to contribute to the deepening of the collaboration between Europe and India, Japan, the Republic of Korea and Singapore in the domain of digital technologies and their application for the well-being of the citizens in Europe and in the Indo-Pacific region. Toward this goal, **INPACE** will work on three levels:
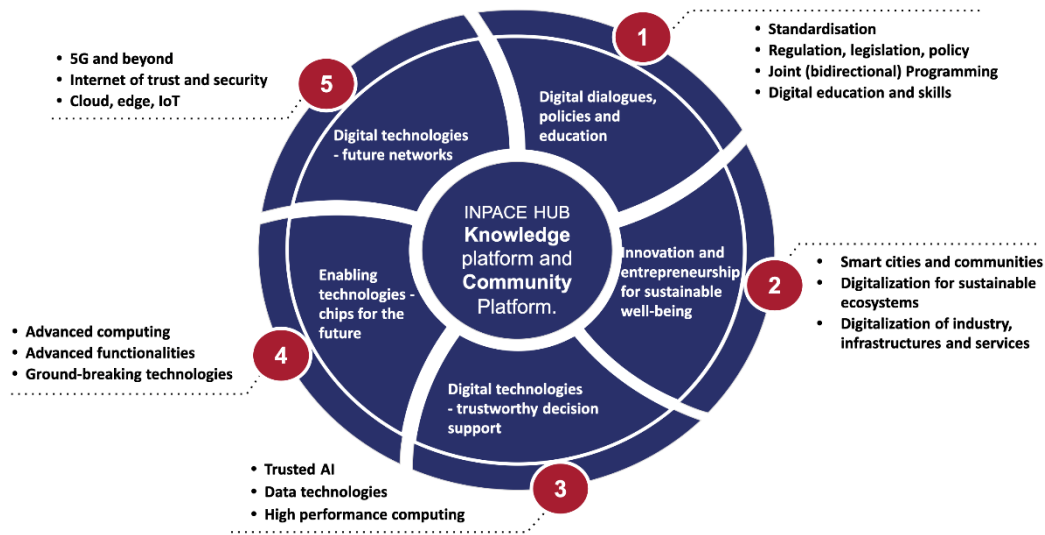
- **Establishing regular exchanges between leading experts** from Europe and the four partner countries on policies, further developments of key digital technologies, and their implementation and commercialisation
- **Supporting the digital policy dialogues** on the governmental and institutional level and the implementation of the Digital Partnerships and the TTC with India
- **Informing and involving a large community of stakeholders** in Europe and in the Indo-Pacific partner countries into the dialogues via online and in-presence events and via the INPACE Community Platform.

To support these connected activities, INPACE will create a Multi-Stakeholder Hub where experts, policy makers, and the digital innovation community across Europe and Asia meet, exchange ideas, and drive digital innovation.

The Thematic Working Groups of INPACE

INPACE organises the exchanges between experts from industry, associations, government institutions and the research communities by setting up **Thematic Working Groups (TWGs)** that bring together forward-looking experts in specific domains from the partner countries and from Europe. The mission of these Thematic Working Groups is to analyse the research policies and the needs of the partner countries and the European Union, to exchange on new trends and latest results in specific domains, and to propose avenues for future research and innovation and possible joint funding programs. The TWGs are organized in five **Clusters** that are co-led by organizations from Europe and from the Indo-Pacific region:

- Cluster 1: Digital Dialogues, Policies, and Education
- Cluster 2: Innovation and Entrepreneurship for Sustainable Well-being
- Cluster 3: Digital Technologies: Trustworthy Decision Support
- Cluster 4: Digital Technologies: Chips for the Future
- Cluster 5: Digital Technologies: Future Networks

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The clusters comprise 16 TWGs overall, 3-4 per cluster. Concrete outputs of the discussions in the TWGs will be fact sheets on digital policies, research and innovation in the partner countries and in Europe that will be bundled into a Panorama Report, policy briefs on specific subjects and proposals for joint research and funding programs. The collaboration between Europe and the Indo-Pacific partner countries will also be stimulated by seed projects, field visits, webinars and other events.

The INPACE Community and Community Platform

The INPACE Community comprises the experts who are involved in the dialogues in the TWGs as the core and the broader community of INPACE stakeholders who are interested in the exchange between Europe and the Indo-Pacific region. The Community platform serves as the central hub for collaboration and knowledge sharing. It will be designed and implemented to facilitate interaction and information exchange among INPACE stakeholders, and will have value-added features, including search and mapping tools, content translation, and a virtual fair space. The Community and the Platform are set up in a fashion such that they continue beyond the end of the project.

Expected Outcomes of INPACE

INPACE aims at the following outcomes:

- Creation of the INPACE Hub and development of its core elements: INPACE Communities, INPACE Knowledge Platform, Community Platform, and mechanisms for creating and animating the different INPACE Communities
- Convergence on principles in regulation, legislation, and standards for digital technologies and new joint major policy initiatives between the EU and the Indo-Pacific region
- Harmonised research and innovation funding programs and joint calls
- Reduction of barriers for trade and commercialisation of new digital technologies
- Long-term collaborations in the field of digital technologies and their applications.

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ANNEX 2. TERMS OF REFERENCE FOR THE EXPERTS

THE INPACE PROJECT
INVITATION TO PARTICIPATE

European Union – India– Singapore – Republic of Korea – Japan

About INPACE

INPACE is an EU-funded project designed to contribute to the collaboration between Europe and India, Japan, Republic of Korea, and Singapore (below called "partner countries") on three interconnected levels:

- by establishing **regular exchanges between leading experts from Europe and the four partner countries** on policies, further developments of key digital technologies, and their implementation and commercialisation.
- by supporting **the digital policy dialogues** on the governmental and institutional level, and
- by involving **a large community of stakeholders** in Europe and in the partner countries via online and in-presence events and the INPACE Community Hub.

The Thematic Working Groups

The Thematic Working Groups (TWGs) are the main expert driven mechanism of INPACE.

The mission of the TWGs is to foster joint research and innovation, business collaboration, market opening, policies collaboration, and to support implementation of the Digital Partnerships (EU-Japan, EU-ROK, EU-Singapore) and the Trade and Technology Council with India.

The Thematic Working Groups are structured into 5 Activity Clusters that form three pillars:
- **Pillar 1: Policy** (Activity Cluster 1)
- **Pillar 2: Rolling out digital technologies for sustainable well-being** (Activity Cluster 2)
- **Pillar 3: Pushing key technologies forward** (Activity Clusters 3 - 5).

The 5 Clusters and the INPACE Knowledge Hub are visualised in Figure 1 below.

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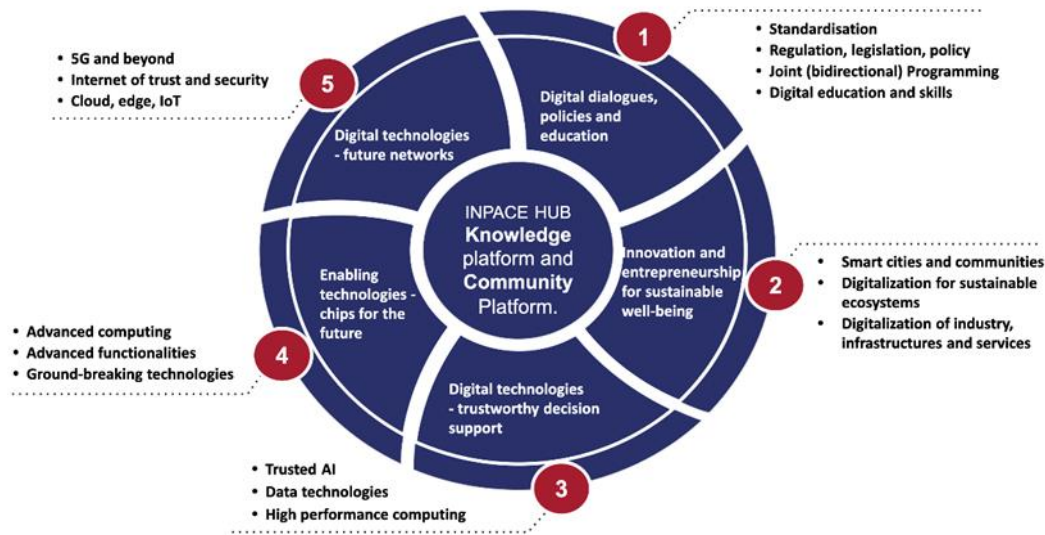
Figure 1 Concept of the INPACE Hub with 5 Clusters and 16 Thematic Working Groups

The TWGs will be composed of high-level experts from the Indo-Pacific Region and from Europe. The Thematic Working Groups discuss the State of Research and Innovation in their specific areas and the roadmap for further progress and collaboration between Europe and the Indo-Pacific Region. Based on the discussions at the expert level in the TWGs, **INPACE will produce a set of strategic outputs both per cluster and with a country-specific focus.**

Each TWG will include at least 6 leading forward-looking specialists from Europe and from the partner countries besides consortium members. They will exchange on the current state, needs, and future priorities of R&I in their areas, and support the generation of reports, strategic papers and policy briefs. The consultations of the TWGs will be done mostly online. Physical events will be organised e.g. linked to major conferences to solidify and broaden the personal connections. TWG members will be invited to present at these events.

Activities within TWGs consist of facilitating exchanges of views, best practices and regulatory issues, and of developing recommendations for further strengthening of the Digital Partnerships and the TTC with India. The TWGs will also spark new collaborations for which there is some funding available in INPACE.

Who are we looking for

The project seeks to gather and engage **forward looking leaders in their fields with an international standing and a solid network in at least one partner country from academia, industry, associations** in domains that are most relevant to innovation in digital technologies and their commercialization in Europe and across the four partner countries.

The experts are invited personally after consultation within the project consortium and with the European Commission and its delegations in the partner countries.

Expectations from the TWGs members

- Contribution to the activities of the project, in particular participation in the meetings of the TWGs online and in presence (as far as their agenda allows), organisation of and

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participation in thematic webinars, presentations of their research and strategic visions at INPACE events ;

- Open exchange on the current state, needs, future priorities of R&I in their areas ;
- Contribution to the generation of reports, strategic papers and policy briefs ;
- Feeding back the views of the communities in their countries on EU research and policies;
- Proposals for future joint funding programs between the EU and the partner countries

Benefits for the TWGs members

- Opportunity to shape national and international research agendas ;
- Recognition as thought leaders ;
- Can use INPACE materials as a basis to set up national and international projects ;
- Opportunity to set up pilot (or seed) projects with support by INPACE ;
- National visibility by supporting the digital partnerships resp. the TTC with India that were signed by the first ministers or leaders of the countries ;
- International visibility by participation and presentations in the events of the INPACE project, especially the integrative conferences ;
- National and international networking ;
- Opportunities for publication in edited volumes or as contributors to survey papers in journals ;
- Influencing the agendas of the physical events and using them for dissemination of their work and networking;
- Travel support for participation in events organized by INPACE ;
- Use of the INPACE community platform to raise awareness of your research and development activities internationally: posting of materials, promotion of own events, virtual fairs...

Operational mode of the TWGs

Management
The organization of work will be decentralised following a common time frame and work plan. The TWG leaders will decide how they work with the experts to suit the needs of the experts and of the project best.

Meetings
The consultations of the TWGs will be done mostly online, expected every 4 months for 1.5 – 2 hours. Physical events will be organised in conjunction with integrative events or e.g. linked to major conferences (once per year in Indo-Pacific). They can be open to the public.

Workshops and Webinars
The TWGs are expected to organize webinars and workshops for the broader community in the field of the TWG. The TWG members are welcome to propose topics and to present or invite interesting speakers.

Confidentiality and publications
The discussions in the TWGs should be open but it is expected that specific positions of members of the TWGs are not made public by other TWG members. The results of the discussions and all developed documents are non-confidential. There are no NDAs. Publications (e.g. social media postings) about activities of the TWGs by INPACE that refer to persons are shared before publication. If someone contradicts, his or her name is not mentioned, and no photos are shown.

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Resources

The contribution of the experts is voluntary and their work is not remunerated. The experts are encouraged to attract local or national resources for their own related work.

Some travel budget will be provided for a limited number of experts to present and INPACE events. This is subject of coordination within the INPACE project related to the preparation of the events.

Timescale and Duration

The experts' involvement in TWG is planned during the lifetime of the project from Jan 1, 2024 to June 30, 2027 and will be encouraged after the end of the project via the INPACE HUB. The experts are free to terminate their work for whatever reason by simple notice to the leader of the TWG.

Legal notice

This document is not intended to create any legally binding obligations and does not constitute an agreement under national or international law.

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ANNEX 3. STRUCTURE OF THE HUB AND GUIDANCE MATERIALS FOR THE CLUSTERS AND TWGS

Structure of the INPACE Hub and Guidance Materials

About the INPACE Hub

The INPACE Hub aims to create a sustainable **multi-stakeholder Indo-Pacific European network** that supports the Digital Partnerships (DP) between the European Union and Japan, Singapore, and the Republic of Korea, and The Trade and Technology Council (TTC) between India and the EU to promote trusted digital technologies for sustainable well-being.
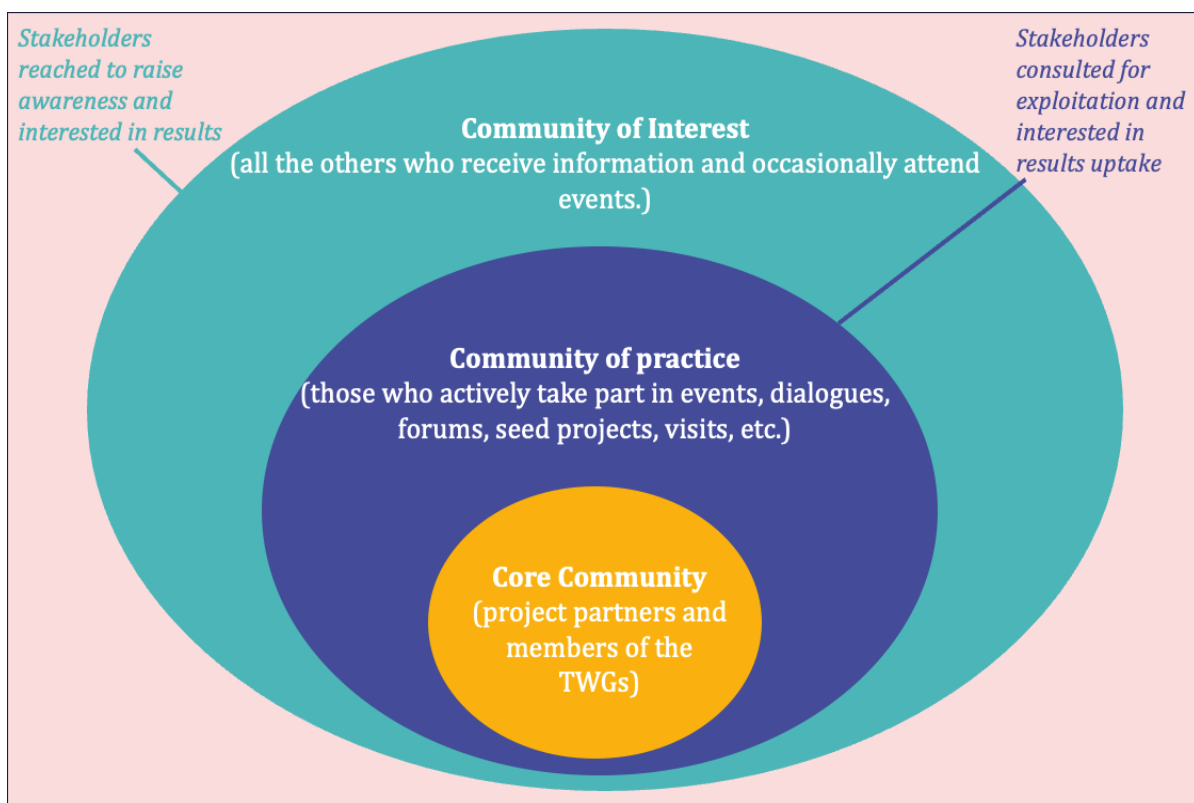
Figure 7 Three multi-stakeholder tiers of the INPACE Hub

The INPACE Hub comprises three tiers of stakeholders:

1) **INPACE Core Community:** *Project Partners and Expert Groups.* The project partners and the expert groups that consist of leading experts on policies, advancements in key digital technologies, and their implementation and commercialisation from Europe and the four partner countries are involved in regular exchanges via working meetings, workshops (online and offline), webinars and at the INPACE events.

2) **Community of Practice**: The INPACE Community of Practice comprises individuals and organisations who are actively involved in dialogues with the INPACE Project and Expert Groups related to the Digital Partnerships and the TTC with India, as well as between each other. This includes the digital policy dialogues at governmental and institutional levels.

3) **Community of Interest**: INPACE aims to engage a large community through online and in-person events and discussions in forums facilitated by the INPACE Community Platform.

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The Core Community of the INPACE Hub encompasses the project partners and the 16 Technical Working Groups (TWGs) that are arranged into five clusters, each comprising three to four TWGs, see Figure 2.
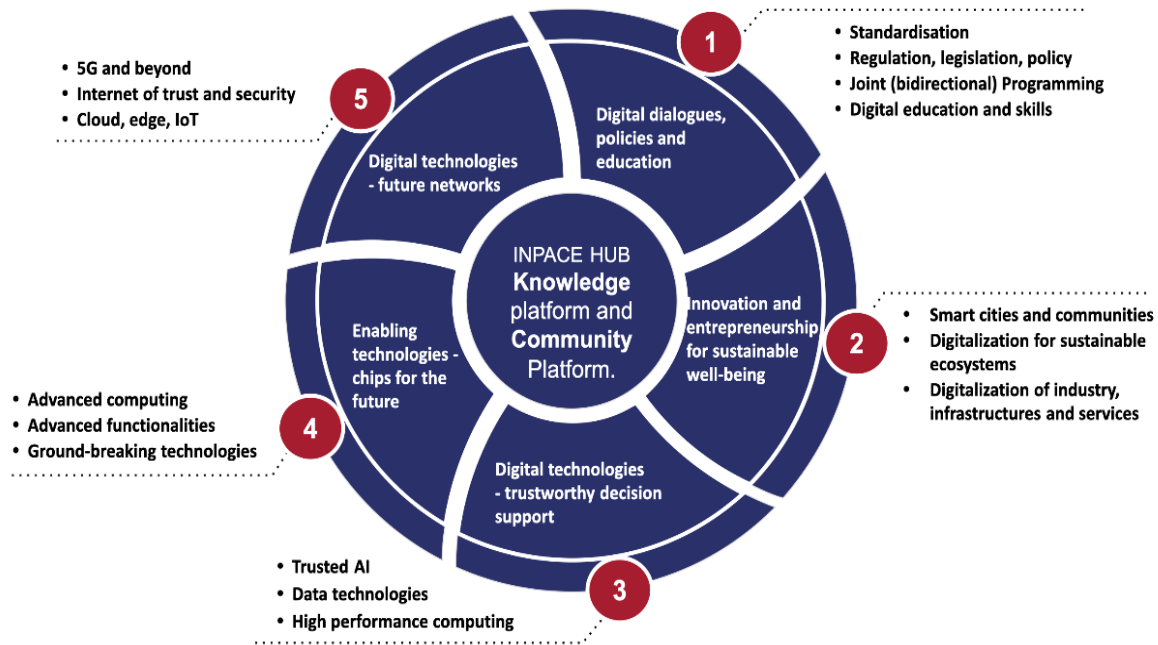
Figure 8 Concept of the INPACE Hub with 5 Clusters and 16 Thematic Working Groups

More information about INPACE: https://www.inpacehub.eu/

• Activities of the Clusters & Thematic Working Groups (TWGs)

The Clusters and TWGs are led by experts from partner organisations from Europe and from the Indo-Pacific region. The planned activities are designed to facilitate knowledge exchanges between experts from various sectors, including industry, government institutions, and research communities, on relevant topics. Each TWG involves at least six high-level specialised experts from Europe and the Indo-Pacific region. The experts are selected based on their potential contribution to the discussions in the area of the TWGs. INPACE aims to involve forward-looking senior experts with whom we will develop inputs to the agendas of the Digital Partnerships and the TTC with India and to future funded research programs, especially joint programs between the EU and the Indo-Pacific countries.

The results of most activities that are organised by INPACE will be disseminated through reports, roadmaps, multimedia, and publications.

Table 1 provides details on the domains and leaders of the clusters and TWGs.

Cluster 1: Digital dialogues, policies, and education *Eva Pejsova (VUB)* ✉	TWG 1 Standardisation	Franck Le Gall (EGM) ✉
		Jaeseung Song (Sejong University) ✉

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	TWG 2 Regulation, legislation, policy	Eva Pejsova (VUB) ✉
		Anna Aseeva (D4P) ✉
	TWG 3 Joint (bidirectional) programming	Sebastian Engell (EG) ✉
	TWG 4 Digital education and skills	Giovanni Rimassa (MAR) ✉
		Karolina Gyurovszka (MAR) ✉
Cluster 2: Innovation and entrepreneurship for sustainable well-being *Franck Le Gall (EGM)* ✉ *Senthilmurugan Subbiah (IIT Guwahati, India)* ✉	TWG 5 Smart cities and communities	Franck Le Gall (EGM) ✉
		Giovanni Rimassa (MAR) ✉
	TWG 6 Digitalisation for sustainable ecosystems	Sebastian Engell (EG) ✉
		Gilles Orazi (EGM) ✉
	TWG 7 Digitalisation of industry, infrastructures and services	Sebastian Engell (EG) ✉
		Vit Dockal (CTU) ✉
Cluster 3: Digital technologies - trustworthy decision support *Antonis Ramfos (ATC)* ✉ *Shuzhi Sam Ge (NUS)* ✉	TWG 8 Trusted AI	Vit Dockal (CTU) ✉
		Sebastian Engell (EG) ✉
	TWG 9 Data technologies	Marina Klitsi (ATC) ✉
		Franck Le Gall (EGM) ✉
	TWG 10 High performance computing	Vaclav Snasel (VSB) ✉
Cluster 4: Digital technologies - chips for the future *Francis Balestra (CNRS)* ✉	TWG 11 Advanced computing	Francis Balestra (CNRS) ✉
	TWG 12 Advanced functionalities	Pascale Caulier (SIN) ✉
	TWG 13 Ground-breaking technologies	Francis Balestra (CNRS) ✉
Cluster 5: - Digital technologies – future networks *Adam Kapovits (EURES)* ✉ *Akihiro Nakao (Tokyo University)* ✉	TWG 14. 5G and beyond	Adam Kapovits (EURES) ✉
	TWG 15. Internet of trust and security	Adam Kapovits (EURES) ✉
		Giovanni Rimassa (MAR) ✉
	TWG 16. Cloud, edge, IoT	Giovanni Rimassa (MAR) ✉

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| | | Gilles Orazi (EGM) ✉ |
| | | Giacomo Inches (MAR) ✉ |

Table 1 Domains and leaders of the Clusters and TWGs

The leaders of the TWGs are expected to:

- Propose and invite experts after discussion with the cluster leaders and the responsible persons for the partner countries, update the membership when required
- Stimulate and coordinate the discussions within the TWGs
- Organise 3 workshops per TWG (one per year)
- Organise 3 webinars per TWG (one per year)
- Contribute to the yearly INPACE Indo-Pacific-European Symposia (Integrative Events) by proposing session topics and speakers, inviting speakers, coordinating and structuring the presentations and discussions, moderating the discussions and summarising the outcomes
- Contribute to the Integrated Regional Workshops (4 in total during the duration of the project, 1 in each of the partner countries) by proposing session topics and speakers, inviting speakers, coordinating and structuring the presentations and discussions, animating the discussions and summarising the outcomes
- Generate one factsheet per TWG on the R&D activities in the partner countries and in the EU from inputs of WP 4 and discussions with the TWG members and other experts by M11 of the project *(November 2024)*
- Contribute to the opportunity and roadmap report that provides an analysis of the state-of-the-art and of opportunities in the domain as a guidance for long-term future collaboration (only for Clusters 2-5) by month 35 of the project *(November 2025)*
- Select and organise content that is of relevance for the domain of the TWG for the dedicated area of the INPACE Community Platform and animate discussions in the associated forum
- Propose content for the virtual trade fairs (only for Cluster 2-5)
- Solicit proposals for pilot projects (seed projects)
- Propose on-site visits between European and Indo-Pacific technology companies and research institutions
- Contribute to the planning and participate in three online co-creation events to support the convergence of technology push and market pull (only for Cluster 2)

The Cluster Leaders are responsible to

- Monitor the activities of the TWGs and support the TWG leaders when needed
- Review the initial membership of the TWGs and provide comments when needed
- Prepare the program of the INPACE Symposia (Integrative Events) in cooperation with the coordinator, the event responsible and the TWG leaders
- Aggregate the factsheets into one panorama report from each cluster (only for Clusters 2-5) by the end of the month 12 of the project *(December 2024)*
- Produce an Opportunity and Roadmap Report that provides an analysis of state of the art and of opportunities in the domain of the cluster as guidance for long-term future collaboration (only for Clusters 2-5) by month 36 of the project *(December 2026)*
- Monitor and shape the content of the INPACE Community Platform and its Knowledge Hub in the domain of the Cluster in cooperation with the TWG leaders
- Supervise the content of the virtual trade fairs
- Support the proposal and selection of pilot projects (seed projects)

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- Contribute to the planning of three online co-creation events to support the convergence of technology push and market pull (only for Clusters 2-5)
- Contribute to the planning of measures for the sustainability of the INPACE Hub
- Participate in online and in-presence integration meetings to coordinate the activities of the clusters and the hub before each online plenary meeting

The members of the TWGs are expected to contribute to the following activities:

- Present and discuss at the yearly integrative events (symposia) and at the final event of INPACE
- Present and discuss at the integrated regional workshops in the four Indo-Pacific partner countries
- Propose speakers for the events mentioned above
- Participate annually in two online and one physical workshop or session at a conference or symposium. These workshops or sessions of TWGs can be combined.
- Propose and support an annual public webinar of the TWG to engage with a wider audience
- Contribute to the fact sheets on the state of play in the area of the TWG in the European Union and in the Indo-Pacific partner countries
- Contribute to the INPACE Opportunity and Roadmap Report on future research and innovation perspectives in the area of the TWG
- Contribute to analysis papers and policy briefs upon demand by the Digital Partnerships or proactively
- Propose content for the INPACE Knowledge Platform
- Support to organise content for the virtual trade fairs when relevant
- Contribute to discussions in the forums of the TWGs or clusters or the project forum on the INPACE Community platform
- Engage to solicit proposals for pilot projects (seed projects)
- Propose and support on-site visits between European and Indo-Pacific technology companies and research institutions
- Participate in three online co-creation events to support the convergence of technology push and market pull (only for Cluster 2)

The planned activities of the Clusters and TWGs are summarised in *Table 2*.

Responsible	Type of activity	To-do(s)	Timeline
Project coordinator	Symposia	3 Indo-Pacific-European symposia (integrative conference) and one final event (symposia) • One physical event per partner country, could be back-to-back to regional workshops	*M9-M42* *(September 2024-June 2027)*
Project coordinator and country leaders	Events	4 integrative regional workshops • One physical event per partner country with more than 50 participants per workshop	*M6-M42* *(June 2024 – June 2027)*
		5 webinars on funding opportunities • The webinar enables cooperation in Digital Technologies between stakeholders from Asia and the EU • 1+ webinar(s) in each partner country	*M8-42* *(August 2024- June 2027)*

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Report	⬜ D 1.4. report on integrative activities (Initial) • This short report will provide a summary of integrative activities aiming to create cohesion between the 5 Clusters of the Hubs, and create a global community, where the leaders of the Clusters and TWG leaders are aware of the activities of the other Clusters, and engage in crosscutting activities and events, transcending siloes, and also creating connection between policy and technologies, and between applications / innovation & entrepreneurship (Cluster 2) and technological clusters (Cluster 3-5).		*M21* *(September 2025)*
	⬜ D 1.5. report on integrative activities (Final) • This deliverable will be based on D1.4. and will provide update about the integrative activities during the second part of the project.		*M42* *(June 2027)*
	⬜ D1.6 policy Brief on the Hub level • D1.6. contains methodological guidelines about impact pathways for the implementation of digital partnerships, and recommended indications.		*M24* *(December 2025)*
	⬜ D 1.6. policy brief on the Hub level (final) • D1.7. summarises INPACE good practices and lessons learnt from the implementation for the implementation of digital partnerships.		*M36* *(December 2026)*
	⬜ D1.8. sustainability and expansion roadmap for the hub (Initial) • D1.8. includes draft sustainability roadmap for the Hub, for further discussions at the online integrative meeting at least 3 occasions over the project.		*M14* *(February 2025)*
	⬜ D1.9. sustainability and expansion roadmap for the hub (final) • D1.9. summarises the sustainability roadmap of the Hub. This document is confidential.		*M36* *(December 2026)*
TWGs leaders	Task	⬜ Specify the objectives and scope of the groups ⬜ Identify additional members: A balanced list over countries and sub-thematics ⬜ Reach out to potential members; A minimum of additional 6 experts per TWG	*M1-M12* *(January-December 2024)*
	Event	⬜ Annual workshops or sessions • 3 events, online and physical, per year by each TWG • One session should be organized in the partner country where the regional integrative workshop is held.	*M1-M42* *(January 2024 – June 2027)*

		• TWG members are responsible for recruiting speakers for the sessions.	
		Annual public thematic webinar per TWG • 1 webinar per year by each TWG	*M1-M36* *(January 2024 – December 2026)*
		15+ visits to support innovation, digitalisation, industrial and trade cooperation linked to WP3 • Between industry and research institutions in the partner countries and the EU • 1+ visit per TWG	*M8-42* *(August 2024 – June 2027)*
		3 virtual trade fairs on trusted digital technologies and product services	*M1-M42* *(January 2024 – June 2027)*
		3 co-creation online meetings (TWGs 5-7) • 1 meeting per each TWGs) • Including participants from the 4 partner countries on Trusted Digital Technologies for Sustainable Well-Being to support technology push/market pull convergence	*M1-M24* *(January 2024 – December 2025)*
	Report	D3.3. factsheet summary of activities • 1 factsheet per TWG. • D3.3. will aggregate synthetic description of the activities pursued, results obtained, and opportunities detected for each of the TWG.	*M38* *(February 2027)*
Clusters 2-5 leaders	Task	Interact with other WPs with regard to desk research on technical topics, upon request of other WPs	*M1-M36* *(January 2024 – December 2026)*
	Report	Draft thematic reports • Cluster 2: the focus will be on identifying industrial enablers and processes as well as societal and environmental needs to identify benefit from digitalisation. • Cluster 3-5: the focus will be on producing opportunity reports and research roadmaps. • These reports will provide content for policy definition in WP2 prepare **the ground for co-creation events of TWGs** in T3.3. and identify potential forthcoming cooperation activities.	*M1-M36* *(January 2024 – December 2026)*

		D3.1. One summary panorama report	M12
		• 1 summary report per cluster with 4 partners country reports combined. • These reports are built using the TWG factsheets and include a cluster level synthesis for Europe and each of the Asian countries.	(December 2024)
		D3.2. One summary opportunity report	M36
		• 1 summary report per clusters 2-5 (total 4) with 4 partners country reports combined • The opportunity report describes the synergetic opportunities and future actions at TWG topics levels, covering interaction between Europe and the 4 Asian countries.	(December 2026)
Activity		5+ pilot projects/blueprints to support innovation, digitalisation, industrial and trade cooperation linked to WP3	M8-42
		• Collaborative activities/projects initiated or extended through small pilots, blueprints, visits • 1+ pilot project(s) or blueprint(s) per cluster	(August 2024- June 2027)
		10+ international activities support	M8-M42
		• Support international activities across Horizon Europe Clusters 4, 5 and 6 (WP3) by stimulating participation	(August 2024- June 2027)

Table 2 Summary of INPACE clusters & TWGs activities

Below is the schedule of the INPACE hub for this year, categorised by TWG, Cluster, and WP levels.
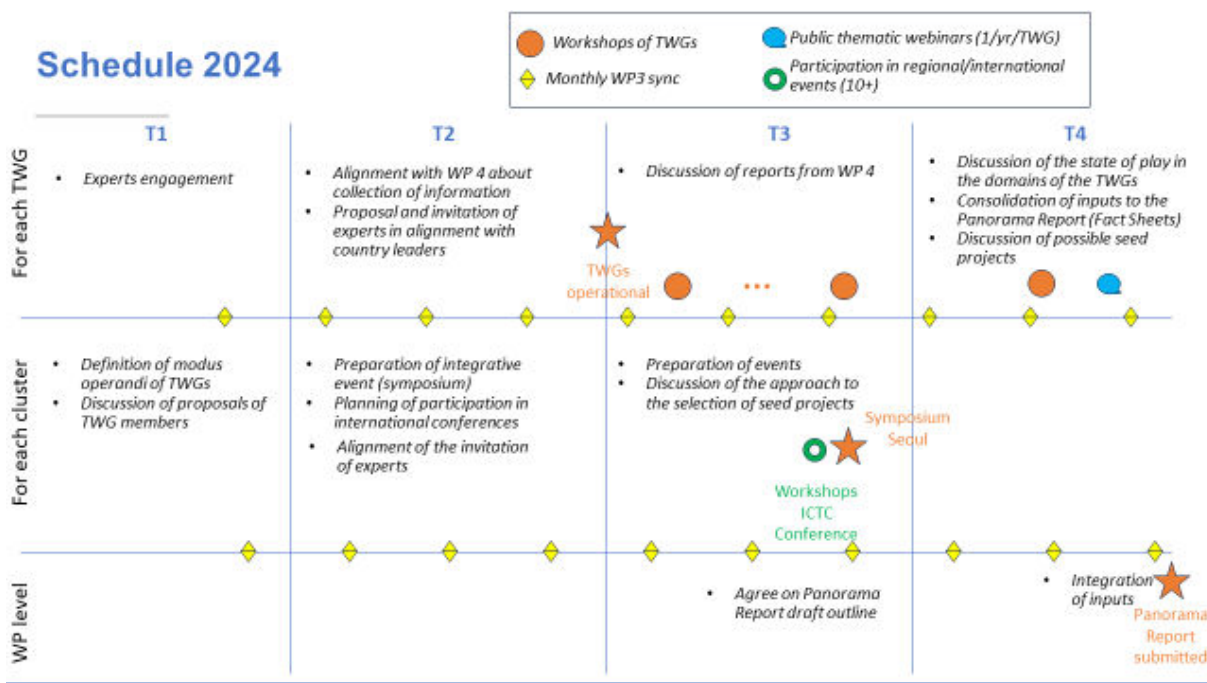
Figure 9 INPACE project's first year (2024) timeline

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- ## Expected Outcomes from all Clusters and TWGs

The following outcomes are anticipated upon the project's completion, based on the activities undertaken by all clusters and TWGs within the project.

- Consensus on principles in regulation, legislation, and standards for digital technologies and new joint major policy initiatives between the EU and the Indo-Pacific region
- Recommendations for harmonised research and innovation funding programs and joint calls (related to specific selected topics)
- Community building in the topics of TWGs / clusters, including the community of trusted experts – specialists in the topics
- Lowered barriers for trade and commercialisation of new digital technologies
- Long-term collaborations in the field of digital technologies and their applications.
- Recommendations on priority topics to include in the DPs and TTC activities

Overall, these activities shall support to the activities of Digital Partnerships and TTCs

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ANNEX 4. GUIDELINES FOR TWGS ENGAGEMENT STRATEGY

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GUIDELINES FOR TWG'S ENGAGEMENT STRATEGY

European Union – India– Singapore – Republic of Korea – Japan

Purpose of this document: It outlines the strategy to engage the main stakeholders with the focus on the experts of the Thematic Working Groups (TWGs) and ensure that (1) all relevant stakeholders are targeted, (2) dedicated tools and approaches are applied to engage the experts and (3) collaboration among the Thematic Working Groups is enabled.

About the TWGs

INPACE includes a total of 16 Thematic Working Groups (TWGs) organised into five clusters. These TWGs cover a wide range of topics in digital technologies and policy, fostering collaboration and knowledge exchange among experts, stakeholders, and policymakers.

The Strategy

There are six core elements when we engage with experts:
1. Profiles and motivations of the experts
2. Community (existing or to be built)
3. Communication channels
4. Rules and guidelines
5. A community manager (in this case the cluster and TWGs leaders)
6. Time and money

The community of experts is a living organism. While the community is bound together by interests and goals, it needs more to survive and thrive. This process has three lifecycles: foundation, growth and leverage.

Phase 1: Foundation: Creates a space where the community can thrive/engage in a two way communication/ listen

Phase 2: Growth: Experts need to know what to expect from INPACE/ How do they enter into strategic conversations with the experts, invite them to contribute

Phase 3: Leverage: Ask for contributions in many ways (meetings, workshops, etc.) and produce clear "call to actions" to reach the goals.

As "**community managers**", the Cluster Leaders and TWGs leaders will need to take into account content development, monitor conversations, grow the community, support experts, enforce the rules and report on the activities to the project but also to the experts.

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Selection and onboarding of experts

1. **Identification of experts**
   a. Each cluster and TWG leader identifies the specific expertise and skills needed within their group based on the group's thematic focus and objectives.

2. **Proposal of experts (horizontal):**
   a. Project partners propose experts horizontally (i.e., they recommend potential experts with required skills).
   b. These proposals are based on the partners' knowledge of the experts' skills, previous work, and alignment with the project's objectives.

3. **Compilation of expert proposals:**
   a. The cluster leaders and the TWGs leaders collect all expert proposals from the project partners.
   b. This collection is organised into a database or list, categorising experts by their areas of expertise, experience, and availability.

4. **Selection of experts (vertical):**
   a. Cluster leaders access the compiled list of proposed experts and select appropriate candidates for the TWGs within their clusters.
   b. This selection is based on the strategic needs identified in Step 1 and the alignment of the experts' skills with the specific requirements of each TWG.
   c. Experts will be selected by cluster and TWGs leaders after consultation with the INPACE country coordinator and the relevant Asian country leader. The final list of experts will be confirmed by the INPACE WP2/3 Leader and the Project Coordinator.

5. **Membership:**
   a. The TWGs will comprise at least 6 key experts ("forward looking leaders") from Europe and from Asia, 3 from Europe (external to the consortium) and at least 3 from countries where there is strong interest in the topic.
   b. Selected experts are notified and their roles and responsibilities within the TWGs are clarified.

Integration and collaboration:

   c. TWG leaders facilitate the integration process by providing initial briefings, setting up collaborative tools, and establishing communication channels. Once onboarded, experts are integrated into their respective TWGs.
   d. Regular meetings and updates ensure that all experts are aligned and effectively contributing to the TWGs' objectives.
   e. The key experts can get travel support to attend integrated events of INPACE (all in Asia) and workshops organised by INPACE clusters or TWGs (predominantly in Asia).

6. **Evaluation and adjustment:**
   a. Cluster leaders and TWG leaders regularly evaluate the contribution of the experts to ensure that their involvement is effective and meets the project's needs.
   b. Adjustments are made if necessary, either by providing additional support to experts or reconsidering their fit within the TWGs if their expertise does not align as expected with the project's evolving needs.

Communicating with experts

Engaging with experts from the TWGs effectively requires a strategic approach that considers their unique interests, expertise, and influence. Specific strategy to facilitate effective engagement:

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- **Tailored communication and content:** Develop and maintain dedicated communication channels for regular interaction. Ensure communication that resonates with specific interests and expertise of TWG experts. Use technical language and highlight topics that align with their current research or professional focus. Prepare content that supports potential cooperation activities across different sectors.
- **Regular updates**: Keep TWG experts regularly informed about project progress, upcoming events, and results that are relevant to their work. This builds a sense of involvement and commitment.
- **Interactive platforms:** Use digital platforms such as the INPACE Community platform, LinkedIn groups, mailing lists and chats, to collaborate with experts. It allows them to easily share insights, give feedback, and participate in discussions at their convenience.
- **Meetings and workshops**: Organising online meetings and workshops for co-creation and matchmaking between R&I and business sectors.
- **Personalised engagements**: Organise smaller meetings with experts to dive deeper into specific topics, gather detailed feedback, and foster a stronger connection with the project.
- **Acknowledgment and recognition:** Publicly acknowledge TWG experts' contribution in publications, presentations, and on the project website. This not only motivates the experts but also elevates their professional stature in their field.

The engagement strategy should also take into consideration some geographical and thematic aspects. For example, the strategy should consider cultural nuances that affect communication preferences and the adoption of technologies in different regions.

Operational mode of the TWGs

- **Management:** The TWG leaders will decide how they work with the experts to suit experts' needs
- **Meetings:** Consultations of the TWGs will be done mostly online, expected every 4 months for 1.5 – 2 hours. Physical events will be organised in conjunction with integrative events or e.g. linked to major conferences (once per year in Indo-Pacific). They can be open to the public.
- **Workshops and Webinars**: TWGs are expected to organise webinars and workshops for the broader community in the field of the TWG. The TWG members are welcome to propose topics and to present or invite interesting speakers.
- **Confidentiality and publications:** The discussions in the TWGs should be open but it is expected that specific positions of members of the TWGs are not made public by other TWG members. The results of the discussions and all developed documents are non-confidential. There are no NDAs. Publications (e.g. social media postings) about activities of the TWGs by INPACE that refer to persons are shared before publication. If someone contradicts, his or her name is not mentioned, and no photos are shown.

Dos and Don'ts for Community Engagement

Dos:

1.   **Understand and Adapt to Expert Profiles:**
Tailor engagement strategies based on experts' backgrounds and interests.
Foster two-way communication to actively listen and respond effectively.
2.   **Build a Collaborative Community:**
Create an inclusive environment for knowledge exchange and diverse perspectives.
Encourage cross-TWG collaboration to leverage collective expertise.

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3. **Use Effective Communication Channels:**

Maintain clear and regular communication channels tailored to experts' technical interests.
Utilize digital platforms for easy collaboration, especially with Indo-Pacific partners.

4. **Focus on personal motivation:**

Identify and appeal to experts' personal motivations such curiosity, funding, development of papers.
Highlight the value of their contributions such as financial benefits, problem-solving opportunities, social impact, direct contact and influence in decision-making.

Don'ts:

1. **Avoid Generic Communication:**

Tailor messages to specific TWG interests and cultural preferences.
Prevent overwhelming experts with irrelevant information.

2. **Minimize Bureaucratic Processes:**

Streamline administrative procedures to facilitate efficient engagement.
Avoid unnecessary delays or complexities that hinder collaboration, especially with Indo-Pacific partners.

3. **Respect Confidentiality and Privacy:**

Adhere strictly to confidentiality agreements and protect sensitive information.
Respect privacy preferences with tailored approaches concerning Indo-Pacific partners.

Following these guidelines will help INPACE effectively engage TWG experts, foster collaboration, and achieve project goals through a supportive and cohesive community framework.

Resources: The contribution of the experts is on a voluntary basis and their work is not remunerated. The experts are encouraged to attract local or national resources for their own related work.

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ANNEX 5. MESSAGES FOR POLICY MAKERS ABOUT THE HUB

THE INPACE PROJECT
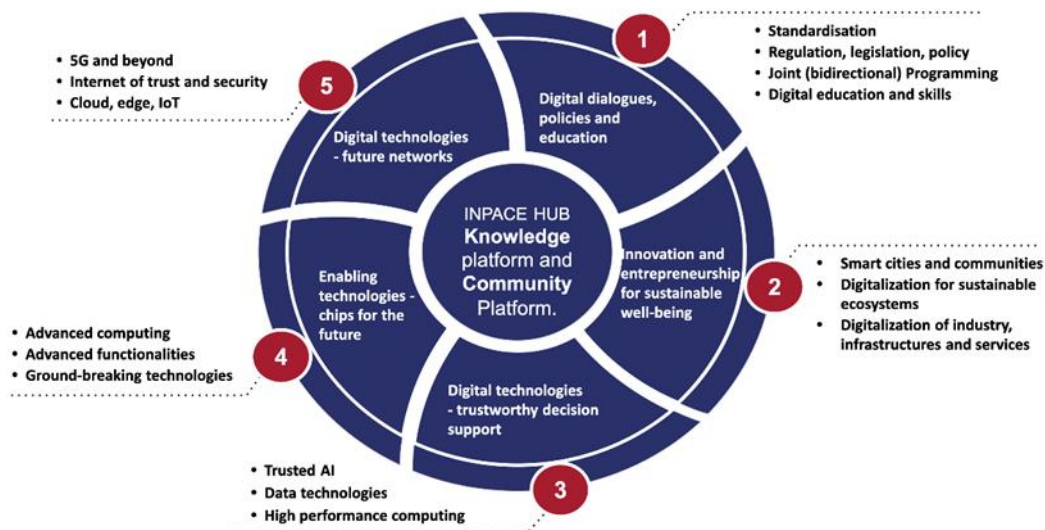## KEY MESSAGES FOR POLICYMAKERS

European Union – India– Singapore – Republic of Korea – Japan

WHAT?	INPACE is a Horizon Europe Project. We are working on bringing together experts in policies and technologies to interact and collaborate in the field of digital technologies and their applications. INPACE will set up a sustainable Indo-Pacific-European Hub to support these exchanges.
WHY?	**Our core mission is to support the Digital Partnerships by fostering enhanced collaboration between Japan, the Republic of Korea, Singapore and the European Union (EU), as well as to support the Trade and Technology Council between India and the EU.**
HOW?	The INPACE Hub aims to establish a long-term expert-driven mechanism for EU-Indo-Pacific cooperation in the field of digital technologies, engaging a community of experts across Europe and the Indo-Pacific region.

The **Thematic Working Groups (TWGs)** are the main expert-driven mechanism of INPACE. The mission of the 16 TWGs is to foster joint research and innovation, business collaboration, market opening, policy collaboration and recommendations, as well as to support the implementation of the **Digital Partnerships (EU-Japan, EU-ROK, EU-Singapore)** and the **Trade and Technology Council (TTC) with India**. The TWGs will be composed of high-level experts from the Indo-Pacific Region and Europe. TWGs discuss the state of research and innovation in their specific areas and the roadmap for further progress and collaboration between the EU and the Indo-Pacific Region. The TWGs are structured into 5 Activity Clusters.

The 5 Clusters, 16 TWGs and the INPACE Knowledge Hub are visualised in Figure 1 below:

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Objectives

- **Enhanced Collaboration:** The INPACE project is dedicated to enhance collaboration between specialists in digital technologies and policies from the Indo-Pacific region and the EU, focusing on India, Japan, the Republic of Korea, and Singapore. Through the establishment of the Indo-Pacific European Hub for Digital Partnerships, INPACE seeks to support a long-term dialogue and cooperations in digital technologies and policies.
- **Implementation of Digital Partnerships:** INPACE aims to actively support the implementation of the Digital Partnerships of the EU with Indo-Pacific countries, Japan, the Republic of Korea, Singapore, and the TTC with India. The project strives to advance human-centred values-based cooperation in the digital realm.
- **Multi-Stakeholder Engagement:** INPACE fosters multi-stakeholder engagement as a cornerstone of its approach. By bringing together governmental officials and policymakers, industry leaders, researchers from academia and research organisations, and civil society stakeholders, the project creates a platform for collaboration and innovation.
- **Promotion of Sustainability and Human-Centric Perspectives:** By integrating sustainability principles and considering the societal impact of digital innovation, the project supports that technology advancements are guided by values of human-centricity, inclusivity, fairness, and environmental responsibility.

Main ideas

- **Strategic Dialogue:** INPACE facilitates strategic dialogues and knowledge exchanges between the Indo-Pacific partners and the EU, fostering mutual understanding and cooperation in the development and application of digital technologies and related policies.
- **Thematic Working Groups:** The Thematic Working Groups within INPACE provide a structured framework for in-depth discussions and analysis in strategic areas of interest, enabling experts to identify challenges and develop strategic outputs that support policy decisions.
- **Networking Opportunities:** INPACE offers numerous networking opportunities for stakeholders from the Indo-Pacific countries and the EU, facilitating partnership building and collaboration on key initiatives related to digital innovation, research, and entrepreneurship.
- **Alignment of Priorities of the EU and the Partner Countries:** INPACE supports the policy dialogue between the partner countries and the EU in the digital domain, in line with the priorities of the European Commission. Regular communication with policymakers ensures responsiveness to evolving policy needs.

Expectations from the Hub and Collaborations

- **Policy Development:** INPACE will contribute to policy development and dialogue on digital technology governance, nurturing a conducive environment for innovation and cooperation.
- **Innovation Ecosystem:** INPACE nurtures an innovation ecosystem that promotes entrepreneurship and sustainable development, driving forward the adoption of trusted and human-centric digital technologies.
- **Research and Development:** The collaboration within the INPACE Hub will accelerate research and development efforts in key technology areas, in particular in trustworthy decision support, chips of the future, and future networks.
- **International Cooperation:** INPACE seeks to strengthen international cooperation through the Hub, developing strategic partnerships and collaborative initiatives that advance shared objectives in digital technology cooperation between the EU and the Indo-Pacific region.

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ANNEX 6. OVERVIEW OF INTEGRATIVE ACTIVITIES

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OVERVIEW OF THE INPACE INTEGRATIVE ACTIVITIES

European Union – India– Singapore – Republic of Korea – Japan

Purpose of this document: to get an overview of the planned activities which (1) will ensure the cohesion between 5 Clusters of the INPACE Hub, to take it into account while planning the work on the project, including collaboration with the TWGs experts, and (2) will help to enlarge the community with other stakeholders, to share the work and get additional inputs, contributions and members in the community.
For whom is this document: for the INPACE partners, and for the Thematic Working Groups (TWGs) experts.

About INPACE

INPACE is an EU-funded project designed to contribute to the collaboration between Europe and India, Japan, Republic of Korea, and Singapore (below called "partner countries") on three interconnected levels:

- by establishing **regular exchanges between leading experts from Europe and the four partner countries** on policies, further developments of key digital technologies, and their implementation and commercialisation.
- by supporting **the digital policy dialogues** on the governmental and institutional level, and
- by involving **a large community of stakeholders** in Europe and in the partner countries via online and in-presence events and the INPACE Community Hub.

INPACE integrative activities

INPACE integrative activities are the exchanges on the Hub level *across* topics of INPACE, i.e. exchanges which involve participants with different backgrounds and specialisations. This is the main mechanism of INPACE to create cohesion between 5 Clusters of the Hub and to create a global community of those who are interested to be involved in Indo-Pacific-European R&I and policy collaboration.

Integrative activities aim to ensure that INPACE partners, Thematic Working Group (TWG) Leaders and experts are aware of the activities of the other Clusters, to engage them in cross-cutting activities and events, transcend siloes, create connection between policy and technologies, applications / innovations & entrepreneurship, and technological clusters. Integrative activities are developed as a mitigation measure against limited coordination and communication among INPACE partners, and shall include discussions per topic and across topics, shall help in the exchange across experts from different countries in Europe and Indo-Pacific. In addition, some integrative activities, such as annual conferences, will provide visibility for INPACE and will directly support digital partnerships between the Indo-Pacific countries and Europe. Some integrative activities could be partially public, could involve a large community of stakeholders in Europe and in Asia and will provide networking activities.

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Types of the INPACE integrative activities

INPACE previews the following types of the integrative activities during the project lifetime:

- 3 Integrative conferences (one in each Indo-Pacific country) and Final event in Asia. This is an annual international gathering of INPACE. Participants: all partners, all TWG and all experts, from Europe and from all partner countries, and public audience when relevant.
- 4 integrative regional workshops (one per Indo-Pacific partner country, across topics). This is one-per-country event, when possible, organised in conjunction with Digital Partnership or TTC meetings. Participants: national experts (from a partner country) and European experts, and public audience when relevant.
- 7 online integrative meetings across leaders of clusters and of TWGs. These are internal consortium meetings.
- 2 policy briefs: 1/ methodological guidelines: impact pathways & 2/ good practices and lessons learnt. These are reports where input from different clusters will be required.
- Ad-hoc exchanges, when relevant.

INPACE integrative conferences

INPACE Integrative Conference is organised once a year in one of the Indo-Pacific partner countries of the project: the Republic of Korea (ROK), India, Japan, and Singapore (3 conferences and 1 final event). Participants will be invited to participate, to contribute, to network, TWGs will be able to meet and advance with their activities, and exchanges across topics will be organised. Part of the event will be public.

This INPACE conference should gather about 100 people including INPACE consortium partners (~20), experts from the TWGs (~30) and interested parties to be invited (mostly from the hosting country).

To optimise costs and logistics, the INPACE conference should be preferably positioned before or after an international event having topics matching those of INPACE so to create additional opportunities for co-location of additional events (TWG workshops, presentation in plenary, etc.).

The host Indo-Pacific country from INPACE is expected to be chair / lead of the event, with co-chair(s) from the European INPACE team.

Please see the example of the INPACE integrative conference overview for ROK in Annex 1.

Example of the conference thematic: topic related to innovative engineering technologies, ICT – information and communication technologies in general, broad applications (smart cities etc.), policies and technologies etc.

INPACE integrative regional TWG workshops

INPACE Integrative regional workshop is organised once a year in one of the Indo-Pacific partner countries of the project: the Republic of Korea (ROK), India, Japan, and Singapore, in conjunction to digital partnership meetings, back-to-back with the Integrative conference. Integrative regional workshop shall serve as an integrative event across all clusters and TWGs, focusing on Europe and on partner country. Workshop could be planned for half day or full day with different topics. Workshops shall be developed to be useful for the activities of INPACE TWGs and for the local audience.

4 integrative regional workshops are planned in total during the lifetime of the INPACE project, with 50+ participants each.

INPACE integrative online meetings

INPACE Integrative online meeting is organised to ensure cohesion between Clusters during lifetime of the INPACE project. All clusters shall be involved in the integrative online meetings.

7 online integrative meetings are planned in total during the lifetime of the INPACE project.

INPACE previews preparation of the one policy brief on the Hub level, to support the integrative activities:

1. Methodological guidelines: pathways for the implementation of digital partnerships, and recommended indicators.
2. INPACE good practices and lessons learnt for the implementation of digital partnerships.

The final timeline and list of topics shall be refined after consultations.

To sum up, please find the list of activities below:

Type of integrative activity	Periodicity	Location	Audience
Integrative conferences	Once a year, 3 in total + final event	Indo-Pacific country	Project partners TWG Experts Public audience when relevant
Integrative workshops	Once a year, 4 in total	Indo-Pacific country	TWG experts Public audience when relevant
Integrative meetings	~2 per year, 7 in total	Online	Project partners
Policy briefs	2 in total	Documents repository	Project partners, inputs from different clusters will be required
Ad-hoc exchanges	Ad-hoc	Online, offline	Relevant audience, depending on the request

Annex 1. Draft agenda for the Symposium overview in ROK, October 2024 (as of 27th of July, 2024)

INTERNATIONAL SYMPOSIUM ON DIGITAL TECHNOLOGIES AND POLICIES: SUPPORTING THE INDO-PACIFIC-EUROPEAN DIGITAL PARTNERSHIPS

With the participation of high-profile technical and policy experts

European Union – India – Singapore – Republic of Korea – Japan

October 21-22, 2024

09.30 – 18.00 (local time)

Daeyang AI Center, Sejong University, Seoul, Republic of Korea

Free but registration is required *by invitation*

Organising committee

<u>Chair</u>: Prof. Jaeseung Song, Sejong University, Republic of Korea

<u>Co-chairs:</u>
- Prof. Sebastian Engell, ENRICH GLOBAL, France and TU Dortmund, Germany
- Dr. Svetlana Klessova, G.A.C. Group, France

<u>Committee members:</u>
- Dr. Eva Pejsova, Vrije Universiteit Brussel, Belgium
- Dr. Franck Le Gall, EGM, France
- Dr. Antonis Ramfos, Athens Technology Center, Greece
- Dr. Francis Balestra, CNRS/SiNANO, France
- Adam Kapovits, EURESCOM, Germany
- Prof. Senthilmurugan Subbiah, IIT Guwahati, India
- Dr. S. D. Sudarsan, CDAC Bangalore, India
- Prof. Shuzhi Sam Ge, National University of Singapore
- Prof. Akihiro Nakao, The University of Tokyo, Japan

Public information

The mission of the INPACE project is to support the implementation of the Digital Partnerships between the European Union and Japan, South Korea, Singapore, as well as the Trade and Technology Council with India. In this context, we are organising a 2-day Symposium in Seoul, Republic of Korea on Digital Technologies and Policies: Supporting the Indo-Pacific-European Digital Partnerships.

Join us at the forefront of digital innovation as we explore the latest advancements in digital technologies and transformative applications in the Indo-Pacific Region and in Europe. The event will address the intersections of technology and policy, **fostering dialogues between experts from both regions to strengthen digital partnerships with the Republic of Korea, Japan, Singapore, and the cooperation with India in the TTC context.**

The Symposium will provide a forum to discuss groundbreaking technologies and their impacts:
- Trusted AI: Unlock the potential of AI while ensuring reliability and ethics
- Chips of the Future: Discover breakthroughs in semiconductor technology
- Future Networks: Explore the evolution of connectivity and communication
- Cybersecurity: Delve into strategies for safeguarding our digital world.

These sessions will highlight cutting-edge developments and the policies shaping these fields.

The symposium is a catalyst for collaboration, fostering mutual understanding and joint research initiatives between European and Indo-Pacific organisations. Don't miss the special information session on EU funding opportunities for Indo-Pacific researchers and innovators!

Experience a unique setting!
The symposium features thematic sessions and cross-cutting discussions on policy implications and real-world applications that impact citizens, spur economic growth, and promote sustainability.

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Mark your calendar and be inspired at this pivotal event, where technology meets policy to shape our digital future!

See you there!

Audience:
The event will bring together 70 - 100 representatives from industry, research, governments and the civil society from the Republic of Korea, other countries of the Indo-Pacific region and the European Union.

How to attend?
The Symposium is free but by invitation only (registration is required, link will be provided later on via INPACE Hub). To express interest to be invited:

Contact :
Prof. Jaeseung Song, jssong(at)sejong.ac.kr -> if you are from ROK or other Indo-Pacific country (Japan, India, Singapore).
Dr. Svetlana Klessova, sklessova(at)group-gac.com cc Sofiane Bari, sbari(at)group-gac.com -> if you are from European Union and other countries.

Draft agenda of the Symposium

Symposium Day 1 – Monday October 21, 2024

Technology and policy exchanges: workshops and thematic sessions organised by INPACE Thematic Working Groups

Policy session (upon invitation only, not public)

9:00-10:30	**Policy session: "The EU – ROK Digital Partnership: from Policy to Practice"**
	The 2022 EU-ROK Digital Partnership Agreement (DPA) has set the foundations for advancing cooperation in key technological areas such as semiconductors, high-performance computing (HPC), quantum technology, 5G/6G Cooperation, artificial intelligence (AI), and cybersecurity. This closed-door roundtable aims to discuss the progress, challenges, and explore future directions for bilateral cooperation, including possibilities to align with other EU's DPAs with regional countries to build a resilient collective digital ecosystem in the Indo-Pacific.
	Moderator: Eva **Pejsova**, Japan Chair, Centre for Security, Diplomacy, and Strategy (CSDS), Brussels School of Governance (BSoG), Vrije Universiteit Brussel (VUB), Belgium
	Speakers: • Raluca **Csernatoni**, Professor, Centre for Security, Diplomacy, and Strategy (CSDS), Brussels School of Governance (BSoG), Vrije Universiteit Brussel (VUB), Belgium; Research Fellow and Team Leader for the EU Cyber Direct Project, Carnegie Europe • Sunghun **Cho**, Research Fellow, Department of International Trade, Investment and Economic Security, Economic Security Team, Korea Institute for International Economic Policy (KIEP), ROK (TBC)

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	• Michael **Reiterer**, Distinguished Professor, Centre for Security, Diplomacy, and Strategy (CSDS), Brussels School of Governance (BSoG), Vrije Universiteit Brussel (VUB), Belgium; Ambassador of the European Union ret. • ROK expert or official (TBC)
10.30 – 11.00	*Coffee break & networking*

9.15 – 15.00	**TECHNICAL THEMATIC SESSIONS AND WORKSHOPS (parallel meetings)**
9.15 – 10.30	First results of the R&I panorama and roadmapping activity by Susana **Seabra** (SPI, Portugal)
10.30 – 11.00	*Coffee break & networking*
11.00 – 12.30	**Public thematic technical sessions - 3 sessions in parallel, 3-5 talks per session, and discussion** • **CloudEdgeIoT** (Moderator Giacomo Inches, Martel Innovate, Switzerland) • **Risk assessment and trustworthiness in AI** (Moderator Antonis **Ramfos**, ATC, Greece) • **Chips of the future** (Moderator Francis **Balestra**, CNRS/SINANO, France) 7 expert presentations 15mn (10mn+Q&A): Francis **Balestra** (Introduction & More Moore Roadmap, CNRS/SiNANO, France), Ken **Uchida** (More than Moore Roadmap SDRJ, The University of Tokyo, Japan), Giorgos **Fagas** (Beyond CMOS Roadmap & Tyndall, Ireland), Jehyung **Kim** (Semiconductor quantum photonics Roadmap & UNIST, ROK), Mitsumasa **Koyanagi** (Heterogeneous 3D integration and Advanced packaging Roadmap & Tohoku University, Japan), Hocheon **Yoo** (Emerging computing devices and circuits & Gachon University, ROK), Joon-Kyu **Han** (Neuromorphic computing Roadmap & Sogang University, ROK)
12.30 – 13.30	*Lunch & networking*
13.30 – 15.00	**Public thematic technical sessions - 3 sessions in parallel, 3-5 talks per session, and discussion** • **5/6G** (Moderator Adam **Kapovits**, Eurescom, Germany) • **Trusted AI in industry** (Moderator Sebastian **Engell**, TU Dortmund, Germany and ENRICH GLOBAL, France) • **Digital Education and skills** (Moderator Karolina **Gyurovszka**, Martel Innovate, Switzerland)
15.00 – 15.30	*Coffee break & networking*
15.30 – 16.30	**Reports from the 6 technical sessions** • Key findings and take aways • Next opportunities
16.30 – 18-00	**Information Session on EU Funding Opportunities & Q&A with the INPACE consortium** (Moderators Dr. Svetlana **Klessova**, G.A.C. Group, France & Adam **Kapovits**, Eurescom, Germany)
18.00 – 19.00	*Snacks and networking*

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Symposium Day 2 – Tuesday, October 22, 2024

Digital Technologies and Policies in the context of Indo-Pacific-European cooperation

09.00 – 09.30	*Gathering and welcome coffee/tea*
09.30 – 11.15	**Opening session and digital partnerships session (organised by INPACE Cluster 1 – Policy)**
09.30 – 09.50	Chair: • Welcome by the host (Sejong University) • Welcome from the European Commission or the EU Ambassador • Welcome from ROK Government • Welcome from INPACE (Dr. Svetlana **Klessova**, Project Coordinator)
09.50 – 10.15	Presentation by a senior high level government official from the European Commission or the EU Ambassador (recorded video message is possible)
10.15 – 11.15	**EU's Digital Partnerships in the Indo-Pacific: challenges and opportunities** > opening "macro" picture setting the tone for next sessions (perspectives on challenges, needs and policies in Europe and the Indo-Pacific), focus on long-term trends, resilience, whole-of-society approach, digital skills sets, science & tech base). *Moderator:* Eva **Pejsova**, Japan Chair, CSDS, Belgium/Cluster 1 leader *Speakers:* • Michael **Reiterer**, Distinguished Professor, Centre for Security, Diplomacy, and Strategy (CSDS), Brussels School of Governance (BSoG), Vrije Universiteit Brussel (VUB), Belgium; Ambassador of the European Union ret. • Sunghun **Cho**, Research Fellow, Department of International Trade, Investment and Economic Security, Economic Security Team, Korea Institute for International Economic Policy (KIEP), ROK • Karthik **Nachiappan**, Research Fellow, Institute of South Asian Studies, NUS, Singapore (TBC) • Koichiro **Komiyama**, Director, Global Coordination Division, JPCERT, Senior Researcher, Keio Research Institute, Japan (TBC) • Benjamin **Ang**, Head of Centre of Excellence for National Security (CENS), Future Trends in Technology, RSIS, Singapore (TBC) • One person from ROK government dealing with digital partnerships (TBD)
11.15 – 11.45	*Coffee break & networking*
11.45 – 12.45	**Smart and sustainable regions and cities: Toward a citiverse (organised by INPACE cluster 2)** *Moderators:* • Dr. Franck **Le Gall**, CEO, EGM, France, Cluster 2 leader • Prof. Jaeseung **Song**, Sejong University, ROK *Speakers:*

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	• Paul **Timmers**, Associate Professor, Oxford University, United Kingdom (policy aspect – digital innovation, focus on AI, cyber etc, from the security perspective, why it is important, etc) • More to be added
12.45 – 13.45	**Human-centric AI for the citizens: Technological and regulatory issues (organised by INPACE Cluster 3)** Explainability, fairness, transparency, human-in-the-loop, AI model training and Data Spaces, Trustworthy AI, GenAI *Moderators:* • Raluca **Csernatoni**, Professor, Centre for Security, Diplomacy, and Strategy (CSDS), Brussels School of Governance (BSoG), Vrije Universiteit Brussel (VUB), Belgium ; Research Fellow and Team Leader for the EU Cyber Direct Project, Carnegie Europe • Sejong University, ROK / large scale AI initiatives *Speakers:* • Raluca **Csernatoni**, Senior Fellow, Carnegie Endowment for Peace, Belgium (policy aspects) • More to be added
13.45 – 14.45	*Lunch & networking*
14.45 – 15.45	**Chips for the future:** Technical challenges and cooperation for resilient supply chains, Roadmapping, R&D **(organised by INPACE Cluster 4)** *Moderators:* • Francis **Balestra**, Director Emeritus, SiNANO Institute / CNRS, France, Cluster 4 leader • Ken **Uchida**, The University of Tokyo, Japan, co-cluster leader *Speakers:* • Antonio **Calcara**, Head of Technology and Great Power Politics, CSDS, Belgium (policy aspects): 10 min. + Q&A • 7 expert talks: Summary of the presentations and discussions of the 1st day by the 7 speakers: 5 min. + Q&A (challenges, possible solutions & cooperation opportunities)
15.45 – 16.45	**Cybersecurity, IoT and 5G: challenges, stakes and potential solutions (organised by INPACE cluster 5)** *Moderators:* • Adam **Kapovits**, Programme Manager, EURESCOM, Germany, Cluster 5 leader • Prof. Aki **Nakao**, The University of Tokyo, Japan (TBC) *Speakers:* • Andrea **Salvi**, Project Director, EU Cyber Diplomacy Initiative (policy aspects) (TBC) • Prof. Rui **Aguiar**, chair of the NetworldEurope European Technology Platform and editor of a Cybersecurity report for the Portuguese government

16.45 – 17:15	*Coffee break & networking*

ANNEX 7. GUIDE ABOUT THE EMPOWERING WORK

GUIDE FOR THE EMPOWERING WORK

European Union – India– Singapore – Republic of Korea – Japan

Purpose of this document: present the typology of actions that will be made available in INPACE project in the scope of WP4 – "Empowering the Hub: Data collection and analysis".

For whom is this document: INPACE Hubs, its TWGs (Thematic Working Groups) and the Digital Partnerships

Overview

WP4 aims at empowering the INPACE Hub by providing the TWGs with the necessary data-based evidence and insights to develop well-informed initiatives for future cooperation between EU and Indo-Pacific partners. The main typology of actions that may be developed are desk research activities, semi structured interviews, surveys and public consultations.

Typology of actions

- *Desk research activities*

Comprehensive research is held to gather relevant data and information, utilizing various sources such as academic papers, reports, and online databases. The collected data will be analyzed to extract key insights and trends.

The topics defined to be covered for each partner country are:

- Research and Innovation priorities
- Role of industry in research and innovation
- Identification of national funding mechanism and priorities
- Present collaboration with the EU
- Potential synergies and commonalities between national programmes and European programmes

The contents will be shared with the TWG leader of each country in these timeframes: Japan – end of June 2024; South Korea – end of July 2024; India – August 2024; Singapore – September 2024. Feedback of the report in each country is expected in 3 weeks after the submission and will be considered to create the final report (draft in October 2024).

- *Semi structured interviews*

Interviews will be organized with experts, policymakers, and relevant key stakeholders to gather in-depth insights and perspectives on specific topics. Will be used a semi-structured approach to allow for flexibility and exploration of the identified topics.

Total of 60+ interviews (covering 12 thematic working groups) are projected for the whole duration of the INPACE project.

The semi-structured interviews can be carried out following the steps below:

- First round of interviews will be held with TWGs leaders (until July 2024) to validate some desk research, and discuss potential questions and profiles/contact of potential external experts for the interviews

D1.1 Toolbox and Roadmap for
the realisation of the Hub
Public

- The interview guide will be developed by SPI considering the needs of TWGs collected (until July 2024)
- SPI will develop the list of relevant external stakeholders to be interviewed (experts from the pool of thematic working groups, such as EU delegation for India, Japan, Singapore and South Korea, National Contact Points (NCP) for the recent programmes from each country for example NCP for Horizon Europe in Japan and other key informants from other programmes or identified by the TWGs)
- The interviews will be conducted either in person, over the phone, via video conferencing, group interviews (focus groups) or ethnographic interview allowing for flexibility and accessibility.
- The interviews will be conducted either by the TWGs, SPI team or the representatives from INPACE project. During the symposium taken place in Seoul, South Korea in October 2024, SPI suggest to make 1 or 2 interviews per TWG.

- *Surveys and its analysis*

Surveys will be designed and conducted tailored to the specific needs and objectives of the TWGs, ensuring the inclusion of relevant questions to gather valuable feedback and opinions from targeted respondents.

5 stages surveys covering 200+ respondents are forecasted during the project. It is expected to receive 20+ respondents until M12.

Will be scheduled by SPI one meeting, or used a regular meeting, with TWG leaders to discuss the topics to include in the surveys.

Surveys can also be requested by TWG leaders by sending e-mail to SPI team with the most relevant information: Objectives, methodology and universe of respondents. This request and the results of previous meeting will be analysed by SPI and discussed with all TWG in periodic meeting, or on a second dedicated meeting booked for this purpose.

Survey questions will be developed for providing quantitative data in term of first-hand perspectives, experiences, and insights.

List of potential respondents is developed – in articulation with Task 5.2 - 2 Stakeholder Engagement and Community Building

Surveys may be carried out synergistically with Task 5.2 targeting relevant stakeholders (e.g. using Community Platform). The survey questions will be evaluated and adapted frequently when it is needed.

- *Assistance in the organization of public consultations*

Throughout the INPACE project, public consultations will be organized at various stages to solicit feedback, gather input, and validate findings. These consultations may take the form of workshops, roundtable discussions, webinars or stakeholder forums, depending on the preferences and needs of participants.

Total of 3 consultation sessions must be conducted synergistically with other potential activities organised by INPACE partners.

Will be scheduled by SPI one meeting, or used a regular meeting, with TWG leaders to discuss possible sessions to be held. Sessions can also be requested by TWG leaders by sending e-mail to SPI team with the most relevant information. This request, and the results of previous meeting, will be analysed by SPI and discussed with all TWG in periodic WP3 meeting or on a second dedicated meeting for this purpose.

- *Additional assistance as required by the TWGs, if feasible.*

Empower TWG members by equipping them with the necessary tools, resources, and information to effectively carry out their roles and responsibilities within the project framework. This may include training sessions, access to relevant databases, and networking opportunities.

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D1.1 Toolbox and Roadmap for
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Assistance can be requested by TWG leaders by sending e-mail to SPI team with the most relevant information. This request will be analysed by SPI and discussed with all TWG in periodic WP3 meeting or on a dedicated meeting for this purpose.

How to use

Empowering the hub is a crucial endeavour within INPACE project, serving as the nexus for collaboration, innovation, and strategic direction. By providing the necessary resources, support, and guidance, empowering the Hub enables INPACE partners to fulfil their objectives effectively and drive meaningful impact.

As described in all actions referred above, TWG leaders have the possibility to select one of these instruments to use in their work. In each case the process can be started by sending e-mail to WP4 Team: susanaseabra@spi.pt; septiansetiawan@spi.pt; eduardarosmaninho@spi.pt .

Desk research activities are more concentrated in the first year and will feed deliverable D4.1 - *Report on synergies and commonalities in policies, strategies and programmes between the EU and PC*. Other actions (interviews, surveys and public consultations) will have more activities in the following years and must be evaluated based on the requests from the TWGs leaders and the proposals from SPI to be discussed in joint periodic meetings.

The described actions intend to feed a cycle to be maintained during the project duration as illustrated in Fig.1.
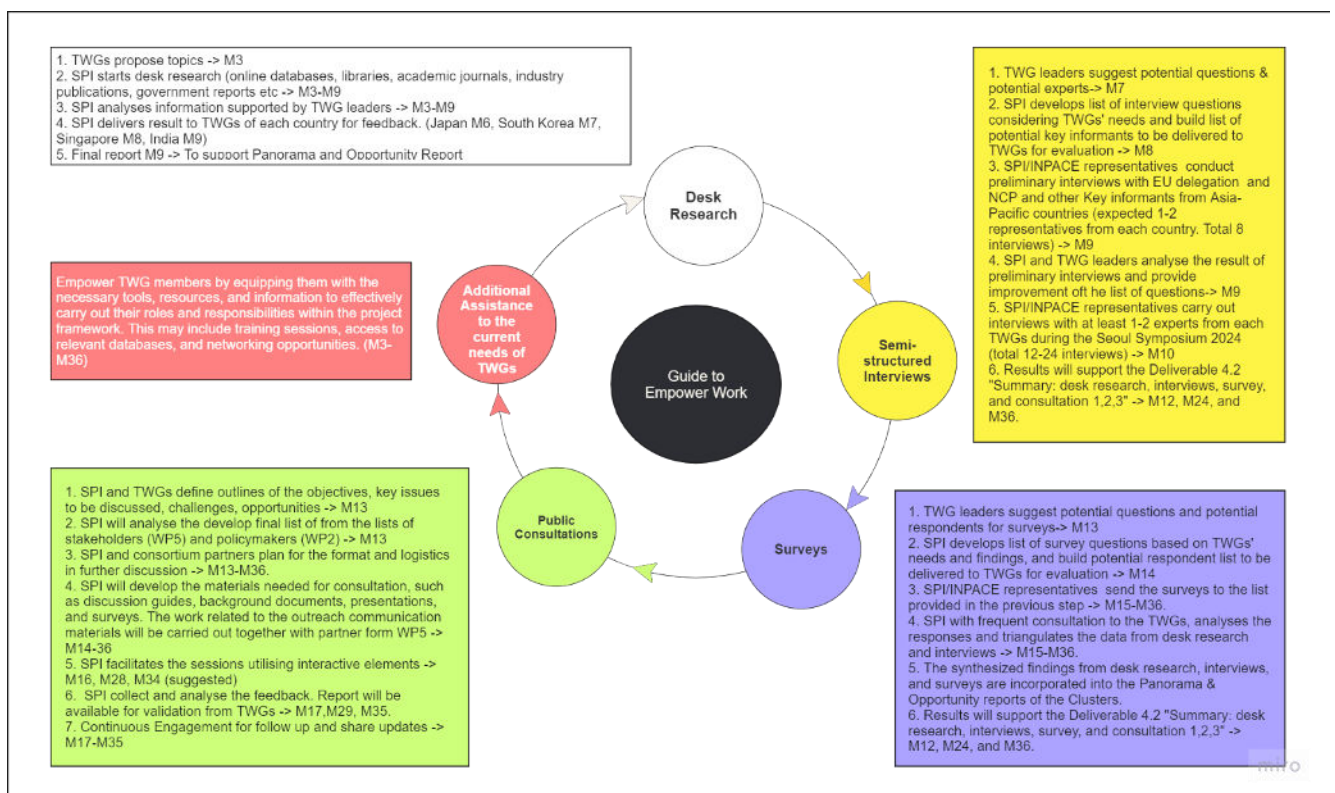

Fig. 1 – Actions for the empowering work

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ANNEX 8. COMMUNITY PLATFORM INFO-SHEET

THE INPACE PROJECT

COMMUNITY PLATFORM INFO-SHEET

Link to join the INPACE Community Platform

European Union – India– Singapore – Republic of Korea – Japan

Purpose of this document: to get an overview of the key functionality of the INPACE Community Platform (INPACE Hub), which will be developed as the main reference channel for stakeholders to assess INPACE data and related services.

For whom is this document: for the INPACE partners, and for the Thematic Working Groups (TWGs) experts.

About INPACE

INPACE is an EU-funded project designed to contribute to the collaboration between Europe and India, Japan, Republic of Korea, and Singapore (below called "partner countries") on three interconnected levels:

- by establishing **regular exchanges between leading experts from Europe and the four partner countries** on policies, further developments of key digital technologies, and their implementation and commercialisation.
- by supporting **the digital policy dialogues** on the governmental and institutional level, and
- by involving **a large community of stakeholders** in Europe and in the partner countries via online and in-presence events and the INPACE Community Hub.

INPACE Community platform overview

INPACE Community platform (INPACE Hub) is in process of development, and will be the main reference channel for stakeholders to assess INPACE data and related services. The INPACE Hub will evolve into a multi-stakeholder platform will serve as a long-lasting expert-driven mechanism to foster collaboration in digital technologies between the EU and the 4 partner countries, during and after the INPACE project. INPACE Community platform will also serve as a knowledge platform supporting Digital Partnerships in the Indo-Pacific, focusing around the TWGs.

At least 300 stakeholders are expected to be involved and engaged via the platform during the lifetime of the INPACE project.

Types of the users

The platform is for specialists in the topics related to digital innovations, including all topics of INPACE TWG, presented below in Figure 1.
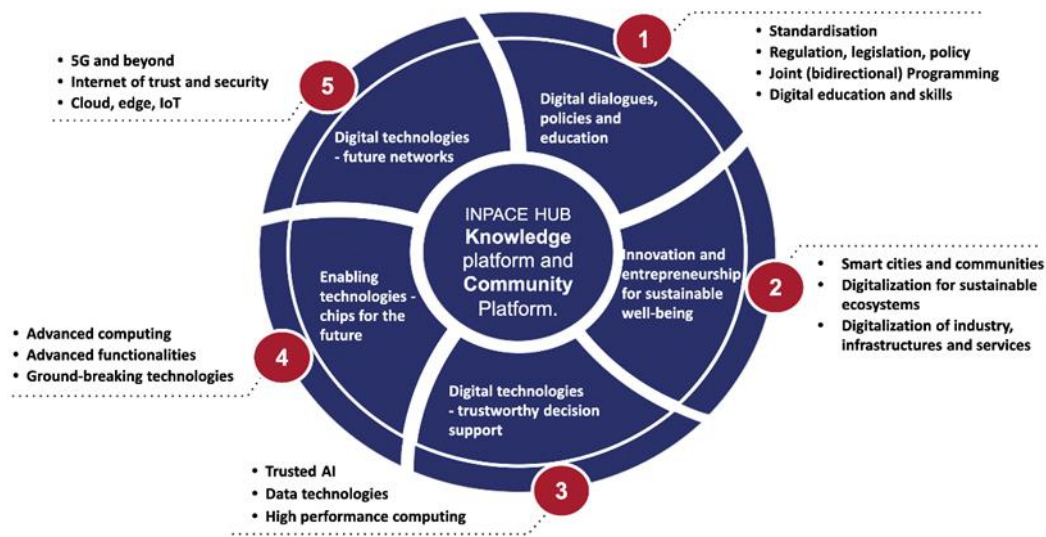
Figure 1 Concept of the INPACE Hub with 5 Clusters and 16 Thematic Working Groups

INPACE previews the following types of the INPACE Community platform users:

- INPACE consortium partners
- TWGs experts
- Other specialists from the related fields, including other projects, international networks, researchers, innovators etc
- General public when relevant.

Main tools and services

INPACE Community Platform will include the following tools and services, deployed progressively (the list could be reviewed with the development of the project and later):

- Tools to promote activities of the TWGs
- A personal promotion space for stakeholders and a GDPR compliant internal database
- A match-making and messages area for the community members
- A search engine with a mapping tool, allowing search by keywords and categories
- Content Management System (CMS) to publish content
- A news area, based on the award-winning AI-powered newsletter solution
- A virtual fair, which will replicate the experience of a traditional fair, trade show, or exhibition
- A component to automatically translate written contents
- Web analytics solution to track audience.

How to use

Thematic Working Groups (TWGs) experts and all other relevant specialists will be invited to register on the Community platform. Community moderator will approve the requested role for each new user.

The Community Platform is user-centric and enables users, such as experts, of INPACE services, to be the administrators of their personal data and other information about themselves. The user in the Community Platform has full control of their information and they can also interact with others through the platform. Only the username of the user will be visible to the public – this can be modified by the user as in any community management platform, e.g., Facebook, LinkedIn.