



# Digital: AI, Data, Robotics & Digital Europe Programme



19/04/2023

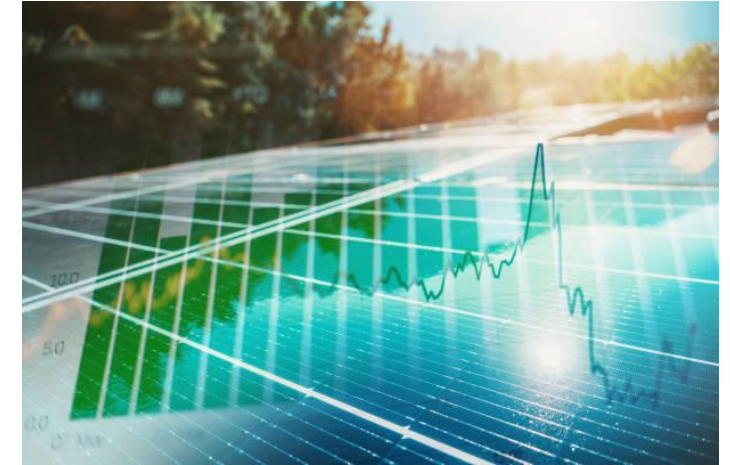


# Agenda

- ▶ **Introduction générale : le numérique dans les programmes européens**
- ▶ **Digital Europe**
  - ▶ Introduction du programme
  - ▶ Appels 2023 et 2024
- ▶ **Horizon Europe**
  - ▶ Introduction du programme
  - ▶ Appels 2024
- ▶ **Comment participer ?**
- ▶ **Questions**



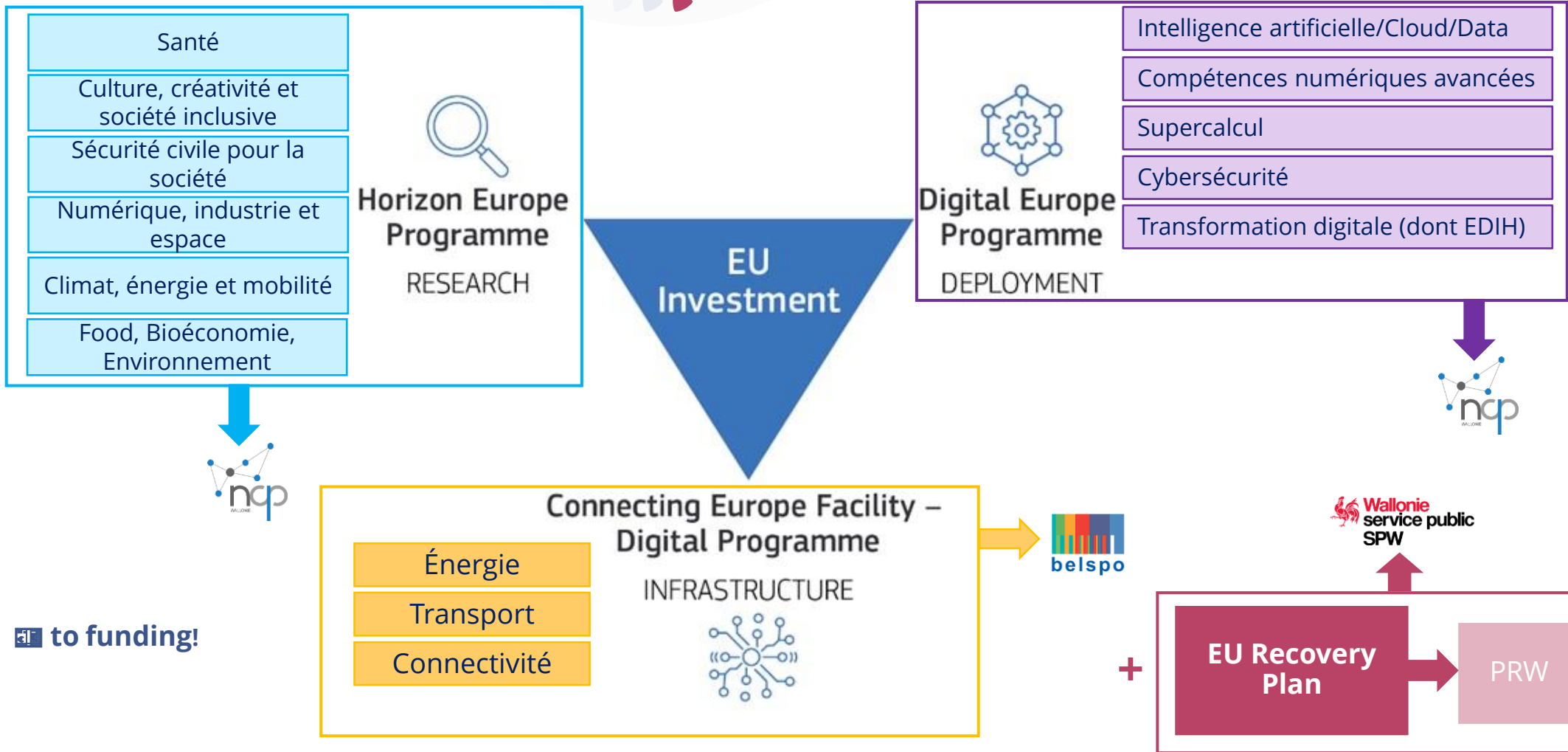
# Le numérique dans les programmes européens



# Les programmes pour une Europe numérique

EU Digital Decade  
EU Green Deal  
Data Act, DSA, DMA...

From policies...



Source: NCP-W + Commission européenne

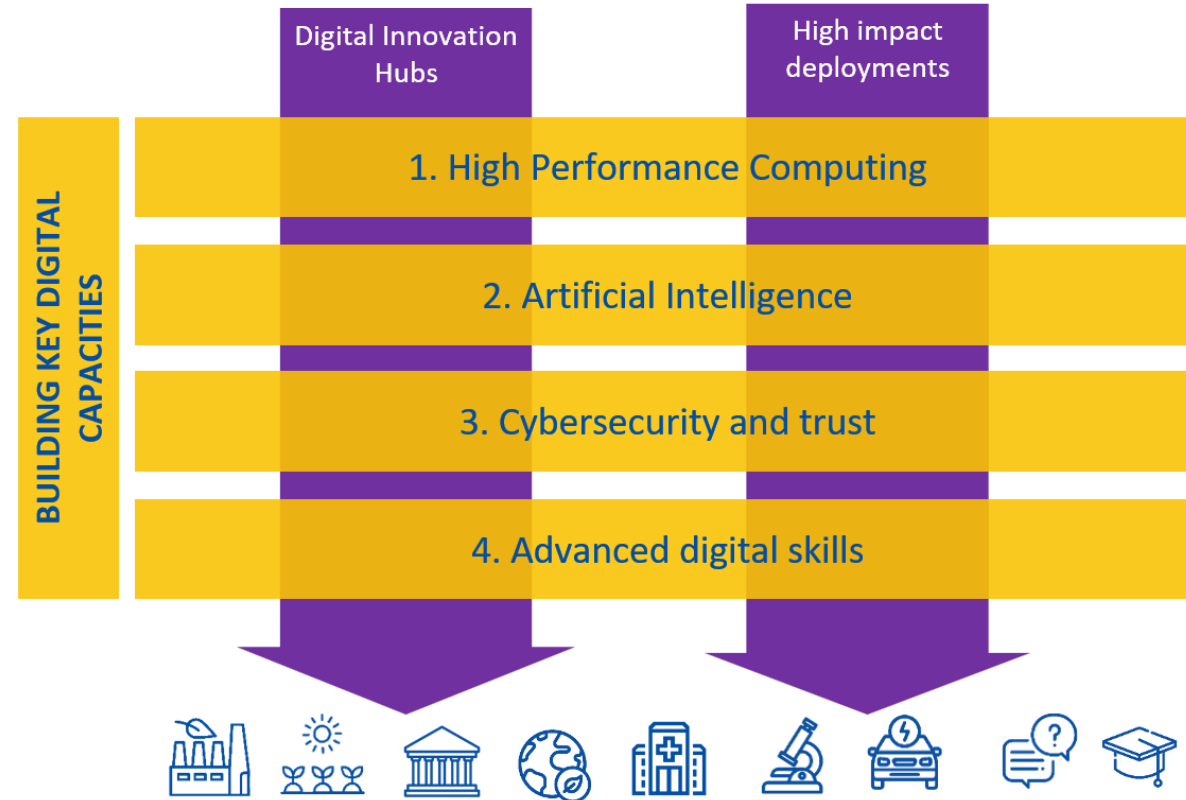
# Digital Europe Programme



Digital Europe Programme



## 5. DEPLOYMENT AND BEST USE OF DIGITAL CAPACITY AND INTEROPERABILITY





- ▶ Programme de l'UE pour le **déploiement des technologies numériques**.
- ▶ Doté d'un budget de 7,5 milliards d'€ entre 2021 et 2027, il vise à soutenir l'adoption des technologies numériques par les **entreprises et les administrations publiques (et indirectement les citoyens)**.
- ▶ **Types de projet** : déploiement (TRL 9) et CSA (coordination et support).
- ▶ **Financement** : 50% (simple grants) ou 75% pour PME (SME support), 100% (CSA).
- ▶ **Eligibilité** :
  - ▶ **Entité juridique** établie dans un pays de l'UE ou pays associé (PA) du programme Digital Europe.
    - ▶ **Restriction** : pour certains appels, seules les entités établies et contrôlées par un pays de l'UE + IS, LIE et NO peuvent participer (articles 12.5, 12.6 et 18.4 du règlement DEP). **Garanties d'autonomie** nécessaires.
  - ▶ **Critères d'éligibilité additionnels dans le descriptif de chaque appel.**
- ▶ Consulter le programme de travail sur le [site de la Commission européenne](#).

# Cloud-to-edge infrastructure and services

Digital Europe Programme



ID	Titre	Type d'appel	Budget (M€)	# Projets	Deadline
NA	Cloud IPCEI Exploitation Office	CSA	3	NA	26-09-23

- ▶ Q3 2024 :
  - ▶ Large Scale Pilots for Cloud-to-edge Based Service Solutions
  - ▶ Reference Deployments of European Cloud-edge Services



ID	Titre	Type d'appel	Budget (M€)	# Projets	Deadline
NA	Federated European Infrastructure for Intensive Care Units' (ICU) data	Simple grant	5.1	NA	26-09-23
NA	Genome of Europe	Simple grant	20	NA	26-09-23
NA	Digital Product Passport	Simple grant	6	NA	26-09-23
NA	Data Space for Cultural Heritage	Simple grant	4	NA	Q1 2024
NA	Data Space for Tourism	Simple grant	8	NA	Q1 2024

► Q3 2024 :

- Green Deal Data Space
- Data Space for Skills
- Energy Data Space
- Data Space for Manufacturing
- Agricultural Data Space
- Data Space for Public Administration

► Supporting patients' access to their health data in the context of healthcare services for citizens across the EU





ID	Titre	Type d'appel	Budget (M€)	# Projets	Deadline
NA	Developing CitiVerse	Simple grant	15	NA	26-09-23

- ▶ Q3 2024 :
  - ▶ AI sectorial Testing and Experimentation Facilities
  - ▶ AI-on-demand platform
  - ▶ Towards connected Local Digital Twins in the EU



ID	Titre	Type d'appel	Budget (M€)	# Projets	Deadline
NA	Reinforcing Skills in semiconductors	Simple grant	10	NA	26-09-23
NA	Cybersecurity Skills Academy	Simple grant	10	NA	26-09-23
NA	Boosting digital skills of young people, in particular girls	CSA	6	NA	26-09-23
NA	Specialised Education Programmes in Key Capacity Areas	Lump sum + CSA	30 + 2	NA	Q1 2024

- ▶ Q3 2024 :
  - ▶ Short Term Trainings
  - ▶ Specialised Education Programmes in Key Capacity Area

# Accelerating the best use of technologies

Digital Europe Programme



ID	Titre	Type d'appel	Budget (M€)	# Projets	Deadline
NA	Network of Safer Internet Centres (SICs)	Simple grants	16.2	NA	26-09-23
NA	IT system supporting the removal of online child sexual abuse material (CSAM)	CSA	0.5	NA	26-09-23
NA	European Digital Media Observatory	SME Support	10	NA	26-09-23
NA	EU Energy Saving Reference Framework	Simple grant	5	NA	26-09-23

# Horizon Europe



HORIZON EUROPE



\* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

**+ EU Missions.**  
**+ Partenariats :** EuroHPC, Circular bio-based Europe, Clean Aviation, Clean Hydrogen, Europe's Rail, Innovative Health Initiative, Key Digital Technologies.



# Horizon Europe



- ▶ Programme cadre de l'Union européenne pour la **recherche et l'innovation**.
- ▶ Doté d'un budget de 95,5 milliards d'€ entre 2021 et 2027, il soutient **tous les acteurs de la recherche**, qu'ils soient **publics ou privés** : entreprises (petites, moyennes ou grandes), universités, hôpitaux, centres de recherche, organismes publics, villes, associations...
- ▶ **Types de projet** : RIA (TRL 2-5), IA (TRL 5-8), CSA (coordination et support)
- ▶ **Financement** : 100% (70% pour les entreprises dans les appels IA, parfois 60% pour partenariats).
- ▶ **Eligibilité** :
  - ▶ **Entité juridique** établie dans un pays de l'UE ou pays associé (PA) d'Horizon Europe.
    - ▶ **Restriction** : pour certains appels, seules les entités établies dans un pays de l'UE (type 1)/établies et contrôlées par un pays de l'UE (type 2) peuvent participer (article 22.5 règlement HE). Garanties d'autonomie nécessaires pour appels de type 2.
  - ▶ **Projets collaboratifs** : au moins 3 entités établies dans 3 pays de l'UE ou PA.

Dans le Pilier 2



# Cluster 4 – Digital, Industry, Space Data, IoT, Software engineering



► **Date butoir** : 19/03/2024.

ID	Titre	Type d'appel	Budget/projet (M€)	# Projets
HORIZON-CL4-2024-DATA-01-03	<u>Piloting emerging Smart IoT Platforms and decentralized intelligence</u>	IA	20.00 to 25.00	2
HORIZON-CL4-2024-DATA-01-05	<u>Platform Building, standardisation and Up-scaling of the 'Cloud-Edge-IoT' Solutions</u>	CSA	Around 2.00	1
HORIZON-CL4-2024-DIGITAL-EMERGING-01-21	<u>Open Source for Cloud/Edge to support European Digital Autonomy</u>	RIA	4.00 to 6.00	4
HORIZON-CL4-2024-DIGITAL-EMERGING-01-23	<u>Public recognition scheme for Open Source</u>	CSA	Around 2.00	1
HORIZON-CL4-2024-DIGITAL-EMERGING-01-22	<u>Fundamentals of Software Engineering</u>	RIA	4.00 to 6.00	4
HORIZON-CL4-2024-HUMAN-01-61	<u>Facilitate the engagement in global ICT standardisation development</u>	CSA	Around 6.00	1



# Cluster 4 – Digital, Industry, Space AI, Data and Robotics Partnership



► **Date butoir** : 19/03/2024.

ID	Titre	Type d'appel	Budget/projet (M€)	# Projets
HORIZON-CL4-2024-DATA-01-01	<u>AI-driven data operations and compliance technologies (AI, data and robotics partnership)</u>	IA	8.00 to 10.00	4
HORIZON-CL4-2024-HUMAN-01-06	<u>Explainable and Robust AI (AI Data and Robotics Partnership)</u>	RIA	9.00 to 10.00	3
HORIZON-CL4-2024-HUMAN-01-07	<u>Collaborative intelligence – combining the best of machine and human (AI Data and Robotics Partnership)</u>	RIA	Around 5.00	4
HORIZON-CL4-2024-DIGITAL-EMERGING-01-03	<u>Novel paradigms and approaches, towards AI-powered robots- step change in functionality (AI, data and robotics partnership)</u>	RIA	Around 8.00	4
HORIZON-CL4-2024-DIGITAL-EMERGING-01-04	<u>Industrial leadership in AI, Data and Robotics boosting competitiveness and the green transition (AI Data and Robotics Partnership)</u>	IA	Around 10.00	5

# Cluster 4 – Digital, Industry, Space Quantum



► **Date butoir** : 19/03/2024.

ID	Titre	Type d'appel	Budget/projet (M€)	# Projets
HORIZON-CL4-2024-DIGITAL-EMERGING-01-42	<u>Stimulating transnational research and development of next generation quantum technologies, including basic theories and components (Cascading grant with FSTP)</u>	RIA	Around 15.00	1
HORIZON-CL4-2024-DIGITAL-EMERGING-01-45	<u>Quantum sensing and metrology for market uptake</u>	IA	4.00 to 5.00	3

► **Garanties d'autonomie** nécessaires pour ces topics !

► **Conseiller NCP :**  
Thomas Chauvaux

# Liste non-exhaustive de topics numériques Industrie et matériaux avancés (CL4)



## ► Matériaux avancés (deadline 19/03/2024) :

- [HORIZON-CL4-2024-DIGITAL-EMERGING-01-54: Smart photonics for joint communication & sensing and access everywhere \(Photonics Partnership\) \(RIA\)](#)
- [HORIZON-CL4-2024-DIGITAL-EMERGING-01-55: Photonics Innovation Factory for Europe \(Photonics Partnership\) \(IA\)](#)
- [HORIZON-CL4-2024-DIGITAL-EMERGING-01-31: Pilot line\(s\) for 2D materials-based devices \(RIA\)](#)
- [HORIZON-CL4-2024-DIGITAL-EMERGING-01-34: Synergy with national and regional initiatives in Europe \(CSA\)](#)

## ► Industrie 4.0 (deadline 07/02/2024) :

- [HORIZON-CL4-2024-TWIN-TRANSITION-01-03: Manufacturing as a Service: Technologies for customised, flexible, and decentralised production on demand \(Made in Europe Partnership\) \(RIA\)](#)
- [HORIZON-CL4-2024-TWIN-TRANSITION-01-05: Technologies/solutions to support circularity for manufacturing \(Made in Europe Partnership\) \(RIA\)](#)
- [HORIZON-CL4-2024-TWIN-TRANSITION-01-32: Optimisation of thermal energy flows in the process industry \(Processes4Planet partnership\) \(IA\)](#)
- [HORIZON-CL4-2024-TWIN-TRANSITION-01-41: Breakthroughs to improve process industry resource efficiency \(Processes4Planet partnership\) \(RIA\)](#)



# Liste non-exhaustive de topics numériques

## Energie, construction, transport (CL5)



### ► **Energie renouvelable :**

- [HORIZON-CL5-2024-D3-01-11: AI Testing and Experimentation Facility \(TEF\) for the energy sector – bringing technology to the market \(16/01/2024\)](#)
- [HORIZON-CL5-2024-D3-02-01: Digital tools for CSP and solar thermal plants \(21/01/2025\)](#)

### ► **Construction :**

- [HORIZON-CL5-2024-D4-01-02: Smart grid-ready buildings \(18/04/2024\)](#)
- [HORIZON-CL5-2024-D4-02-02: Robotics and other automated solutions for construction, renovation and maintenance in a sustainable built environment \(Built4People Partnership\) \(21/01/2025\)](#)
- [HORIZON-CL5-2024-D4-02-03: BIM-based processes and digital twins for facilitating and optimising circular energy renovation \(Built4People Partnership\) \(21/05/2025\)](#)

### ► **Transport :**

- [HORIZON-CL5-2024-D5-01-05: Advanced digital development tools to accelerate the development of software defined vehicles that enable zero-emission mobility \(2ZERO Partnership\) \(18/04/2024\)](#)
- [HORIZON-CL5-2024-D5-01-08: Competitiveness and digital transformation in aviation – advancing further composite aerostructures \(18/04/2024\)](#)
- [HORIZON-CL5-2024-D5-01-15: Advanced digitalisation and modelling utilising operational and other data to support zero emission waterborne transport \(ZEWTP Partnership\) \(18/04/2024\)](#)



# Liste non-exhaustive de topics numériques Biodiversité, alimentation, environnement (CL6)



## ► Biodiversité :

- [HORIZON-CL6-2024-BIODIV-01-1: Invasive alien species \(22/02/2024\)](#)
- [HORIZON-CL6-2024-BIODIV-01-2: Digital for nature \(22/02/2024\)](#)

## ► Alimentation et agriculture :

- [HORIZON-CL6-2024-FARM2FORK-01-4: Climate change and food safety: effects of climate change on food safety across food systems \(22/02/2024\)](#)
- [HORIZON-CL6-2024-FARM2FORK-01-6: Citizens' science as an opportunity to foster the transition to sustainable food systems \(22/02/2024\)](#)
- [HORIZON-CL6-2024-GOVERNANCE-01-7: Enhancing working conditions and strengthening the work force through digital and data technologies – the potential of robotics and augmented reality in agriculture \(28/02/2024\)](#)

## ► Zéro pollution :

- [HORIZON-CL6-2024-ZEROPOLLUTION-02-1-two-stage: Holistic approaches for effective monitoring of water quality in urban areas \(two-stage : 21/02/2024 et 17/09/2024\)](#)
- [HORIZON-CL6-2024-ZEROPOLLUTION-02-2-two-stage: Innovative technologies for zero pollution, zero-waste biorefineries \(two-stage : 21/02/2024 et 17/09/2024\)](#)



# Contactez le NCP Wallonie:



► **Votre interlocuteur pour candidater aux programmes européens de R&I !**



► **Contactez nos conseillers :**  
► [prenom.nom@ncpwallonie.be](mailto:prenom.nom@ncpwallonie.be)





# Comment participer ?

## One page expertise

**ONE PAGE EXPERTISE DESCRIPTION**

The aim of this document is to introduce your organisation to potential project leaders. Since there is a need for such descriptions circulating throughout Europe, please keep it short, concise and precise. Potential project coordinators can quickly assess if your contribution would be useful. This document does not aim to provide an extensive overview of your activities, but to show in a few words your added value relevant to a specific topic or group of topics. **Please fill in one form per field or research topic.**

**FORMATION ABOUT THE EXPERT**

ORGANISATION	
ADDRESS	
TYPE OF PARTNER	SME, University, Research Centre, Large Company, Public Administration, Association, other
ISSUE	
CONTACT PERSON	
TEL.	
PHONE	
STREET	
DATE OF PUBLICATION	

**EXPERTISE OVERVIEW**

**FIELD OF INTEREST:**  
 (max 3 code and title - maximum 3 different topics)

**ABSTRACT:**  
 The general description of your general expertise

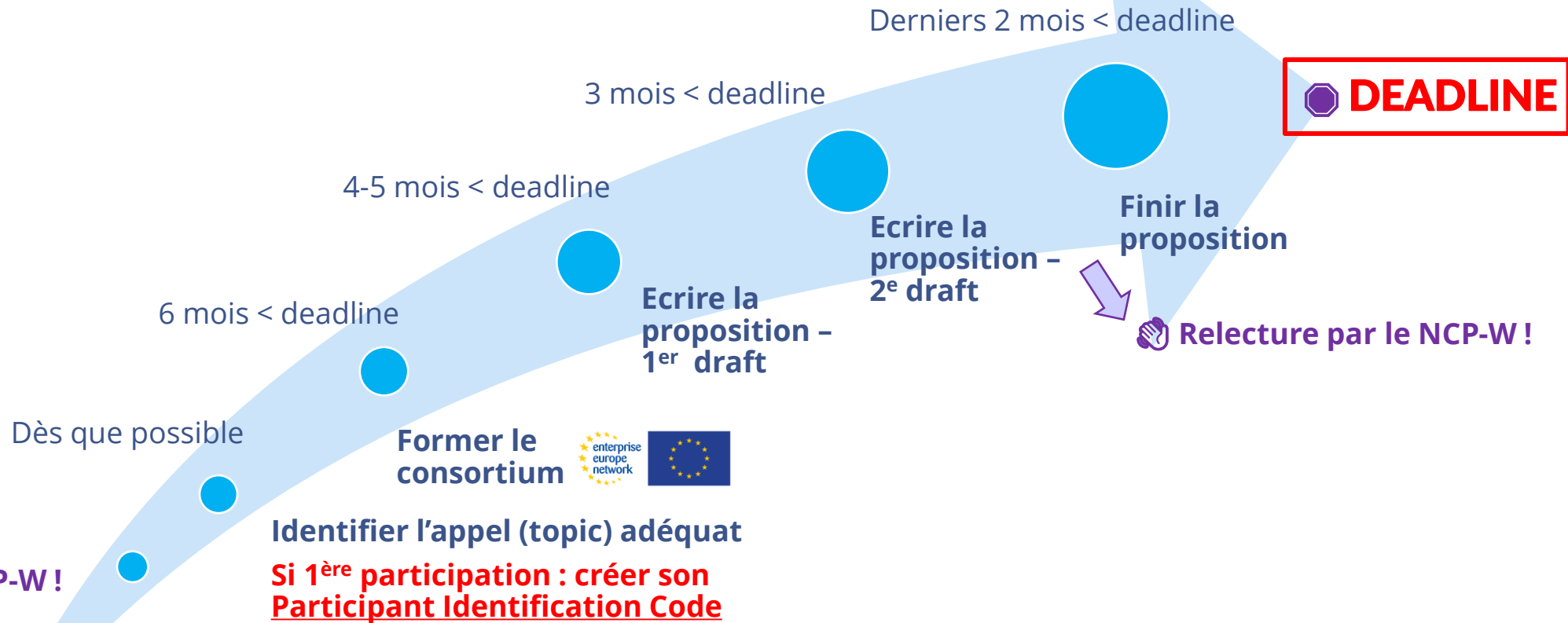
**RELEVANT CONTRIBUTIONS:**  
 Please describe here the specific knowledge, technology or other contribution that your organisation could provide to add value to a project. You are encouraged to include references to relevant publications, patents or former projects, in particular European projects (FP7, H2020 or others).

Please take into account that this document will be the base to convince a key player to invite you in a consortium:

- highlight your strengths
- be persuasive



Se faire connaître du NCP-W!





# Les outils



## ► Trouver les appels à projets :

- [Plateforme 'Funding and tenders' de la Commission européenne](#)
- [Site du NCP Wallonie \(onglet « Thématiques et appels ouverts »\)](#)

## ► Chercher des partenaires :

- Publier une annonce :
  - [Plateforme 'Funding and tenders'](#) : sur la page de l'appel à projets spécifique
  - [Entreprise Europe Network](#)
- Participer aux évènements de réseautage (relayés sur le site du NCP-W)
- Utiliser **votre réseau** !

## ► Ne pas manquer les dernières actualités européennes :

-  [Agenda NCP Wallonie](#)
-  [Newsletter NCP Wallonie](#)



# Contacts utiles

## ► Conseillers NCP Wallonie :

- Lison Rabuel (Digital, Sécurité, Défense) : [lison.rabuel@ncpwallonie.be](mailto:lison.rabuel@ncpwallonie.be)
- Thomas Chauvaux (Industry, Advanced Materials, Space, Clean Aviation and Hydrogen) : [thomas.chauvaux@ncpwallonie.be](mailto:thomas.chauvaux@ncpwallonie.be)
- Jean-Jacques Lemaire (Energy, Transport and Raw Materials) : [jean-jacques.lemaire@ncpwallonie.be](mailto:jean-jacques.lemaire@ncpwallonie.be)
- Mathias Lucas (Biotech, Food, Environment, Climate) : [mathias.lucas@ncpwallonie.be](mailto:mathias.lucas@ncpwallonie.be)

## ► Point de contact garanties d'autonomie (SPF Economie) :

- Lisa Mashini : [lisa.mashini@economie.fgov.be](mailto:lisa.mashini@economie.fgov.be)
- Liesbeth Hollevoet : [liesbeth.hollevoet@economie.fgov.be](mailto:liesbeth.hollevoet@economie.fgov.be)



# Merci pour votre attention

Retrouvez-nous sur [ncpwallonie.be](http://ncpwallonie.be)

