



02.02.2023

Meet & Match event

Georganiseerd door het platform onderzoek, ontwikkeling en innovatie water



DEPARTEMENT
MOBILITEIT &
OPENBARE
WERKEN

DEPARTEMENT
ECONOMIE
WETENSCHAP &
INNOVATIE

COÖRDINATIECOMMISSIE
INTEGRAAL WATERBELEID



 VLAKWA





Meet & Match-event CIW
2 februari 2023

.AGORIA

AGROLINK
VLAANDEREN

B BOERENBOND
trouw aan land- en tuinbouw

BLAUWE CLUSTER

brussels airport
the heart of Europe

C cultuurloket

DIGITAAL VLAANDEREN

Fevia

FLANDERS MAKE
DRIVING INNOVATION IN MANUFACTURING



Embuild



essencia
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Gezinsbond



taal: unie

TRANSPORT & LOGISTIEK VLAANDEREN



Go! onderwijs van de Vlaamse Gemeenschap

umec

Ostbelgien

QOVSG

Port of Antwerp Bruges



unizo

VERENIGING VLAAMSE PROVINCIES

vvsq

VLIZ



CINB IRBN
Internationale Raad van het Belgisch Natuurwetenschappelijk Instituut
Conseil International de la Nature Belgique

VLAAMSE LAND MAATSCHAPPIJ

VLAAMSE MILIEUMAATSCHAPPIJ

VERENIGING VLAAMSE PROVINCIES



Vlaanderen is toerisme

Verso

VLAKWA
Vlaams Kenniscentrum Water

Vlaamse Hogescholen Raad
samen, werken aan talent voor morgen

vito
vision on technology

VIR
VLAAMSE INTERUNIVERSITAIRE RAAD

Vlaanderen is open ruimte

Vlaanderen is milieu

VOKA
Vlaams netwerk van ondernemingen

EU-subsidiewerking

EU-Subsidies

Subsidieteam



Maak kennis met het VLEVA-subsidieteam en ontdek wat ze voor jou kunnen doen. →

Subsidiegids



In de subsidiegids kan je alle Europese subsidieprogramma's terugvinden. →

Calls



Ga meteen op zoek naar een geschikte subsidieoproep voor jouw project. →

Projectidee? subsidieteam@vleva.eu

Bedankt! Nog vragen? Meer info?



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@VLEVA [Wwww.vleva.eu](http://www.vleva.eu)



Opening new horizons

Horizon Europe – cofund partnerships
'WATER4ALL'

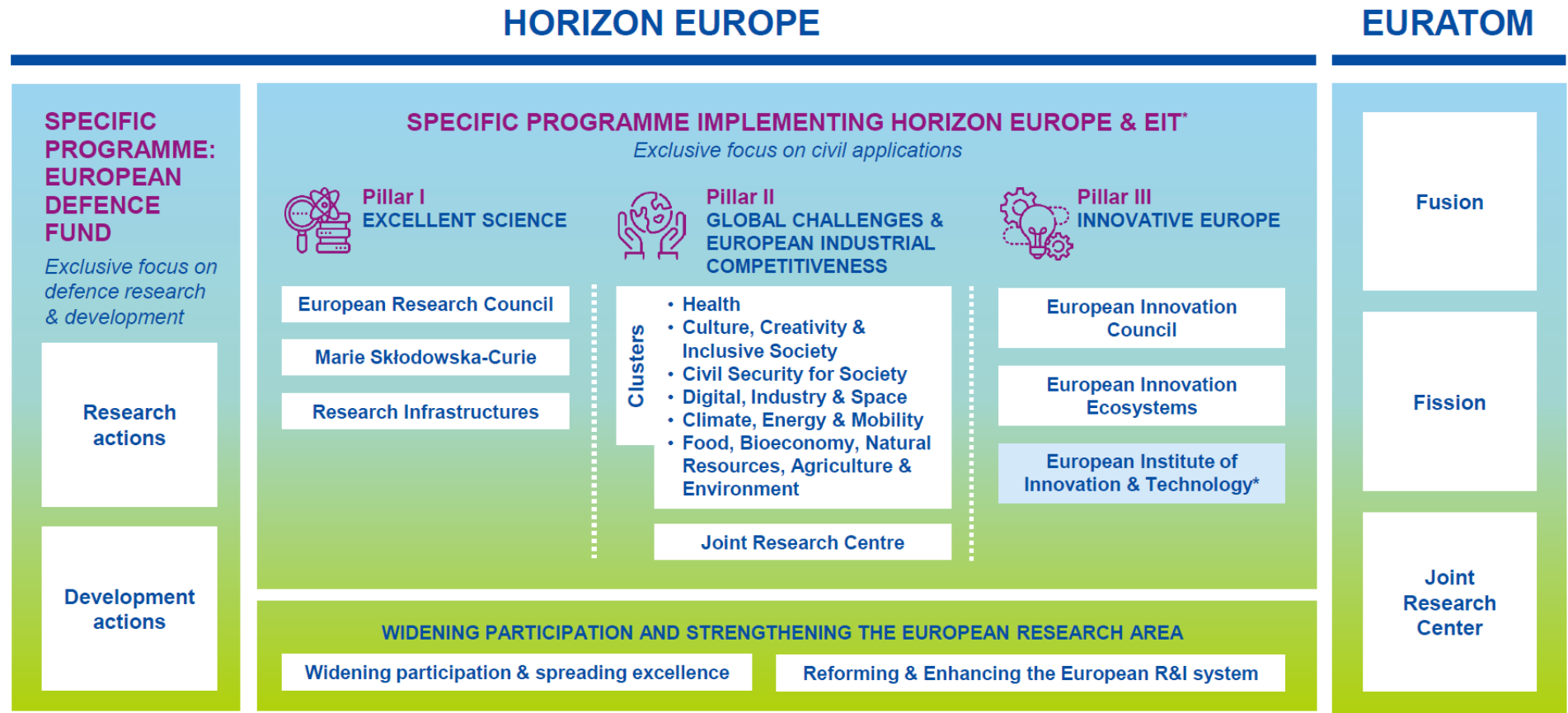
2 februari 2023

Horizon Europe – What are partnerships?

- **European Partnerships - definition**

“European Partnerships are initiatives where the EU together with private and/or public partners commit to jointly support the development and implementation of a programme of research and innovation activities. The partners could represent industry, universities, research organisations, bodies with a public service remit at local, regional, national or international level or civil society organisations including foundations and NGOs.”

Horizon Europe – Overview



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

Horizon Europe – Implementation of partnerships

- Pillar 2: Global Challenges and Industrial competitiveness
- Six thematic Clusters of which 4 encompass partnerships;
- Partnership Implementation in 2 ‘waves’ (49 partnerships in total):
 - WP2021/2022
 - WP2023/2024
 - 3rd wave: Discussion on new potential partnerships for 2025/2027 ongoing in new strategic plan.
- Potential FWO participation in 12 cofund partnerships up to date, of which six within Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment → **Including the Water4All COFUND PARTNERSHIP**

Horizon Europe – Implementation of partnerships

Overview of 49 candidate European Partnerships

HORIZON EUROPE PILLAR II - Global challenges & European industrial competitiveness

CLUSTER 1: Health	CLUSTER 4: Digital, Industry & Space	CLUSTER 5: Climate, Energy & Mobility	CLUSTER 6: Food, Bioeconomy, Agriculture, ...
Innovative Health Initiative	Key Digital Technologies	Clean Hydrogen	Circular Bio-based Europe
Global Health Partnership	Smart Networks & Services	Clean Aviation	Rescuing Biodiversity to Safeguard Life on Earth
Transformation of health systems	High Performance Computing	Single European Sky ATM Research 3	Climate Neutral, Sustainable & Productive Blue Economy
Chemicals risk assessment	European Metrology (Art. 185)	Europe's Rail	Water4All
ERA for Health	AI-Data-Robotics	Connected and Automated Mobility (CCAM)	Animal Health & Welfare*
Rare diseases*	Photonics	Batteries	Accelerating Farming Systems Transitions*
One-Health Anti Microbial Resistance*	Made in Europe	Zero-emission waterborne transport	Agriculture of Data*
Personalised Medicine*	Clean steel – low-carbon steelmaking	Zero-emission road transport	Safe & Sustainable Food System*
Pandemic Preparedness* <i>Co-funded or co-programmed</i>	Processes4Planet	Built4People	
	Global competitive space systems**	Clean Energy Transition	
		Driving Urban Transitions	

PILLAR III - Innovative Europe

EIT (KNOWLEDGE & INNOVATION COMMUNITIES)	SUPPORT TO INNOVATION ECOSYSTEMS
InnoEnergy	Innovative SMEs
Climate	
Digital	
Food	
Health	
Raw Materials	
Manufacturing	
Urban Mobility	
Cultural and Creative Industries	

CROSS-PILLARS II & III

European Open Science Cloud

- Institutionalised Partnerships (Art 185/7)
- Institutionalised Partnerships / EIT KICs
- Co-Programmed
- Co-Funded

* Calls with opening dates in 2023-24
 ** Calls with opening dates not before 2022

Horizon Europe – FWO partnerships participation

- Emphasis lies on the funding of researchers at research institutions from Flanders.
- Non-thematic funder and as such no priorities, topic wise.
- Possibility to prioritize certain themes, regionally wise, through consultation intra-Flanders (e.g. WG12 (EWI Europaplatform), specific national/regional partnership ‘hubs’/mirror groups), on the basis of regional priorities (if present).
- Offer researchers from Flanders a broad ‘topical’ participation.

Horizon Europe – FWO partnerships participation

- Partnerships have a seven year duration.
- Generally 700.000 EUR per call, in total.
 - *2 projects at 350.000 EUR (overhead included). Available EC contribution can lead to more projects in total.*
- Structural participation with 2 ‘national/regional’ funding channels:
 - (junior/senior) FWO research projects (emphasis on basic research);
 - Strategic Basic Research Projects (emphasis on valorisation potential).
- Important that requested FWO funding is in line with the specific FWO funding channel regulations.
- The FWO funds basic research → TRL range 1-5

Water4All cofund partnership

- R&I programme for tackling water challenges, in a broad sense:
 - *“boost the systemic transformations and changes across the entire research – water innovation pipeline, fostering the matchmaking between problem owners and solution providers for ensuring water security for all in the long term.”*
- Translation of SRIA and its water challenges into annual priorities and activities (directionality) and long term commitment (additionality).
- Variety of stakeholder types (e.g. public: research funders and research performers, governments, cities; private: SME, Industry).
- Participatory Flemish core group: VMM, EWl, VITO, Stad Mechelen, VLAIO and FWO.
- 5 operational pillars → specific composition: each entity plays its role.
 - FWO: Pillar B - Research and Innovation Development (i.e. Joint Calls)

Water4All – 1st call

- Launched: 1 september 2022 – 29 countries/34 funding agencies (34 m. EUR national funding)
- “Management of water resources: resilience, adaptation and mitigation to hydroclimatic extreme events and management tools”
- Topics:
 - Topic 1. Resilience, adaptation and mitigation to hydroclimatic extreme events;
 - Topic 2. Tools for water management - in the context of hydroclimatic extreme events;
 - Topic 3. Improved water governance in the context hydroclimatic extreme events and international contexts.
- Call closed on 31 October 2022 – Results will be announced during summer 2023.
- Total number of submitted projects: 167
- With FWO participation: 7 projects / 8 institutions.

FWO: added value and focus

- Allow research institutions and its researchers to participate in the (external open) calls for research projects within Water4All (and other partnerships).
 - **Subcontracting of stakeholders possible!**
- Use EU funding, next to our national commitment, to maximize the amount of research projects from Flanders in the annual calls.
- A fair repartition of the available EC budget is of high priority, as it has a direct impact for researchers from Flanders.
- Newcomer in this 'Water research' setting at European/multilateral level, but generally speaking: researchers from Flanders punch above their weight!



Thank you for your attention

European Funding

in a nutshell

Patrick De Molder – VLAIO / NCP Flanders





MFF 2021-2027: A BUDGET FOR EUROPE'S PRIORITIES

Simplification, transparency and flexibility

In billion euro, current prices

I. SINGLE MARKET, INNOVATION AND DIGITAL

€187.4

- 1 Research and Innovation
- 2 European Strategic Investments
- 3 Single Market
- 4 Space

II. COHESION AND VALUES

€442.4

- 5 Regional Development and Cohesion
- 6 Economic and Monetary Union
- 7 Investing in People, Social Cohesion and Values

III. NATURAL RESOURCES AND ENVIRONMENT

€378.9

- 8 Agriculture and Maritime Policy
- 9 Environment and Climate Action



V. SECURITY AND DEFENCE

€27.5

- 12 Security
- 13 Defence
- 14 Crisis Response

VI. NEIGHBOURHOOD AND THE WORLD

€123

- 15 External Action
- 16 Pre-Accession Assistance

VII. EUROPEAN PUBLIC ADMINISTRATION

€85.3

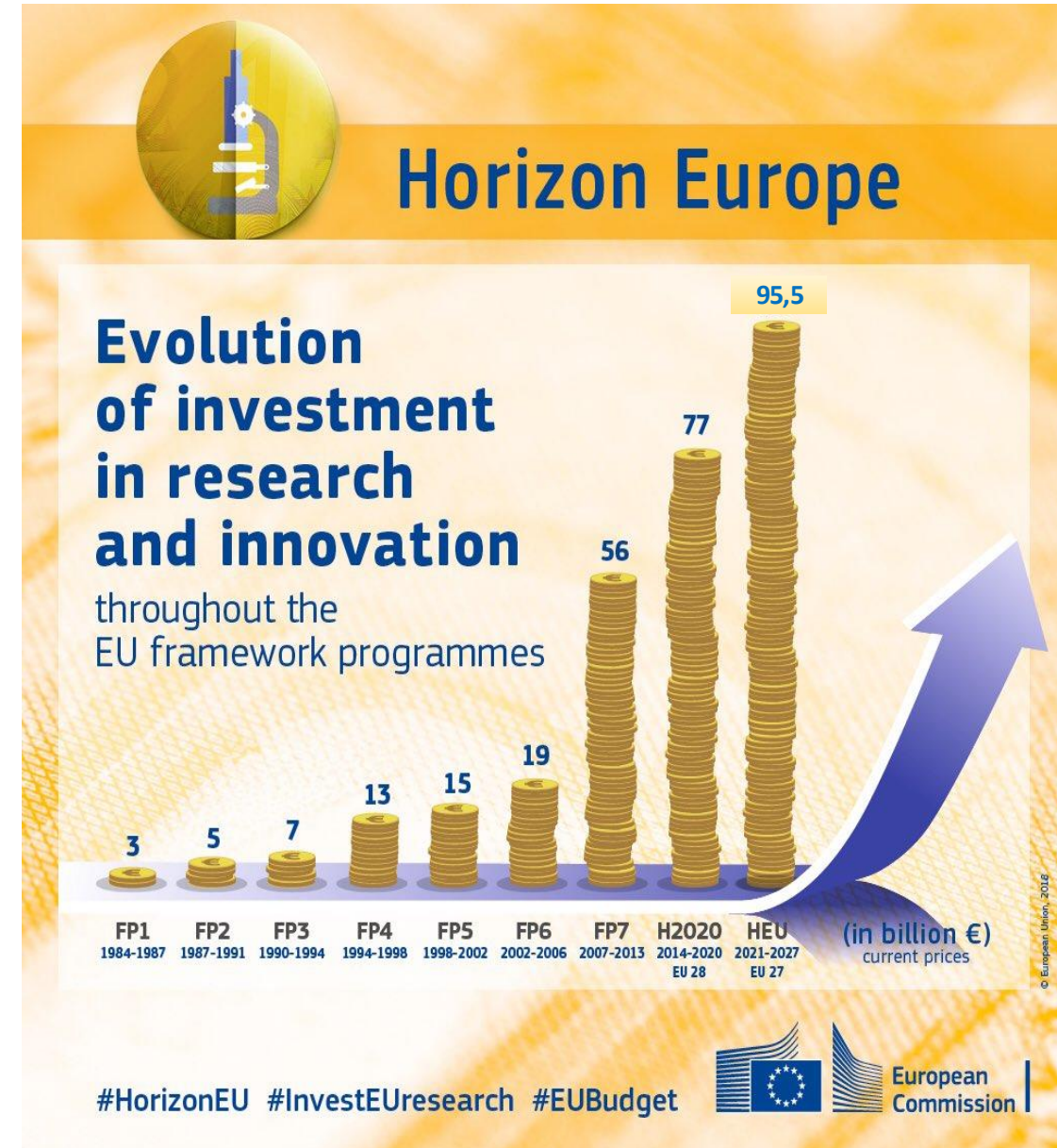
- 17 European Public Administration

Source: European Commission

R&D/ R&I in Europe

The European Union (EU) offers support to R&D projects in form of its "Framework Program for Research and Innovation"

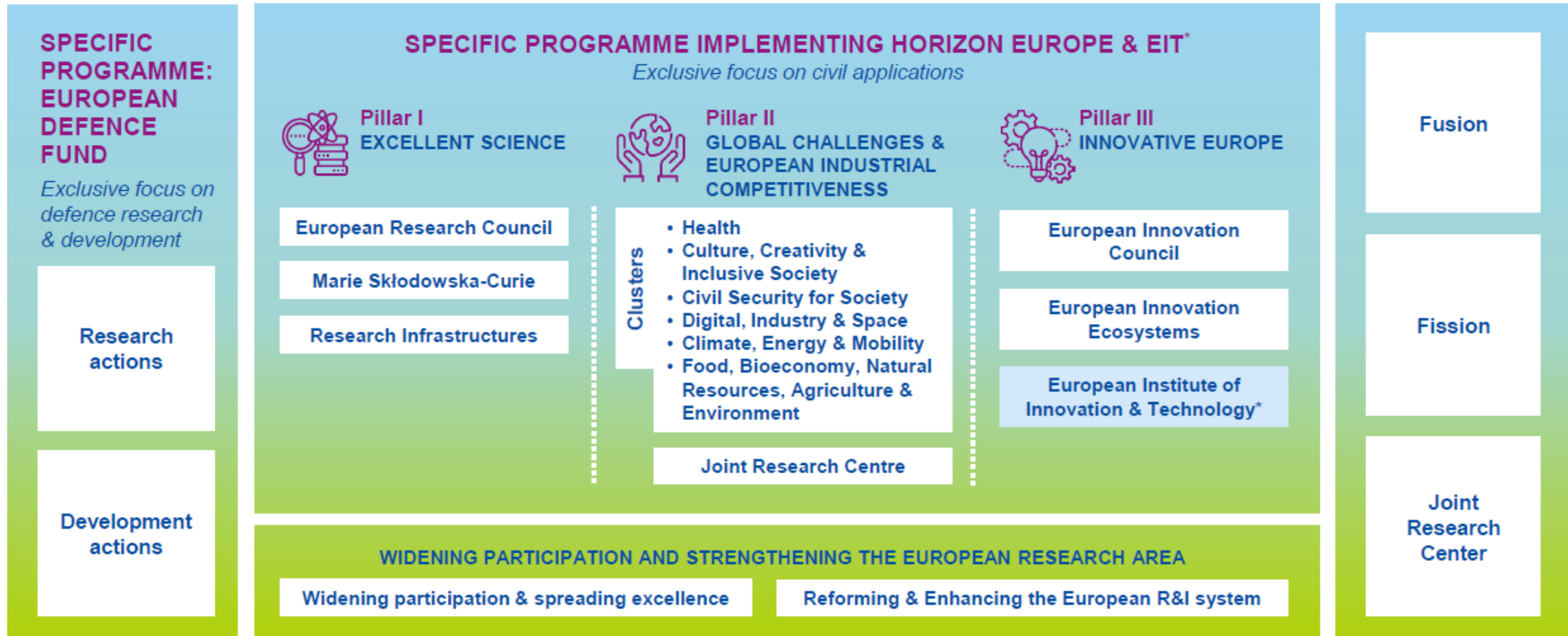
With a budget of more than EUR 95 billion for **Horizon Europe**, it is the world's largest funding program for **research and innovation**.



Horizon Europe - Structure

HORIZON EUROPE

EURATOM



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

Pillar 2 – Global Challenges and European Industrial Competitiveness

Budget 2021 - 2027



Overview of 49 candidate European Partnerships

HORIZON EUROPE PILLAR II - Global challenges & European industrial competitiveness

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Climate	
Digital	
Food	
Health	
Raw Materials	
Manufacturing	
Urban Mobility	
Cultural and Creative Industries	

CROSS-PILLARS II & III

European Open Science Cloud

Synergies with other Union programmes

HORIZON EUROPE

Other Union Programmes, including

Common Agricultural Policy	InvestEU	ESF+	Innovation Fund
External Instrument	LIFE	Digital Europe	Internal Security Fund and Instrument for Border Management
Maritime & Fisheries Fund	EU4Health	Space Programme	
Connecting Europe Facility	ERDF	ERASMUS+	Single Market Programme
Just Transition Mechanism		Creative Europe	Recovery and Resilience Facility

Enhanced synergies

COMPATIBILITY

Harmonisation of funding rules; flexible co-funding schemes; pooling resources at EU level

COHERENCE & COMPLEMENTARITY

Alignment of strategic priorities in support of a common vision

More information on these programs can be found on www.eufundingoverview.be



EU Funding overview - website: www.eufundingoverview.be

REFINE THE OVERVIEW

Full overview contains 148 Funding Programmes and Agencies.

Search for a term

startup

Select categories

TARGET GROUP

- SMEs 7
- Government 5
- Knowledge Centers 4
- Cities, Communities & NGOs 3
- Large Enterprises 3

FUNDING TYPE

- Equity financing 5
- Grant 3
- Loans & Investments 2
- Networking 2
- No direct funding 2
- Guarantees 1
- Procurement 1

PROJECT TYPE

- Innovation 5
- Growth 4
- Research 4
- Start 4
- Infrastructure 3
- Networking 2
- Dissemination 1

AREAS

- Innovation 6
- SMEs 6
- International Cooperation 5

home > overview

Show 10 results per page

Search by  algolia

<< < 1 > >>

Environment and climate action (LIFE) under CINEA FUNDING

EU's financial instrument supporting environmental, nature conservation and climate action projects throughout the EU

-  SMEs, Large Enterprises, Government, Cities, Communities & NGOs, Knowledge Centers
-  Loans & Investments, Equity financing
-  Research, Innovation
-  Environment & Climate Action, Funding Researchers, Innovation, International...

CLICK FOR DETAILS >

The Digital Europe Programme (DIGITAL) and European Digital Innovation Hubs (EDIH) FUNDING


Building the strategic digital capacities of the EU and on facilitating the wide deployment of digital technologies

-  SMEs, Large Enterprises, Government, Cities, Communities & NGOs, Knowledge Centers
-  Grant
-  Research, Innovation, Infrastructure
-  ICT Research & Innovation, Innovation, International Cooperation, Security, SMEs, Manufacturing, Culture &...

CLICK FOR DETAILS >

European Startup Nations Alliance (ESNA) & Startup Europe FUNDING


The European Startup Nations Alliance (ESNA) is a new entity that will support 26 EU Member States and Iceland who, having signed the EU Startup Nations Standard (EU SNS) declaration i...

-  SMEs, Government
-  Equity financing, Procurement, Networking, No direct funding
-  Growth, Start, Networking
-  SMEs

CLICK FOR DETAILS >

Women TechEU FUNDING

Supporting deep-tech startups led by women

-  SMEs
-  Grant
-  Start
-  Agriculture and forestry, Bio-based Industries, Biotechnology, Energy, Environment & Climate...

CLICK FOR DETAILS >

Single Resolution Board (SRB) - (Decentralised Agencies) AGENCY

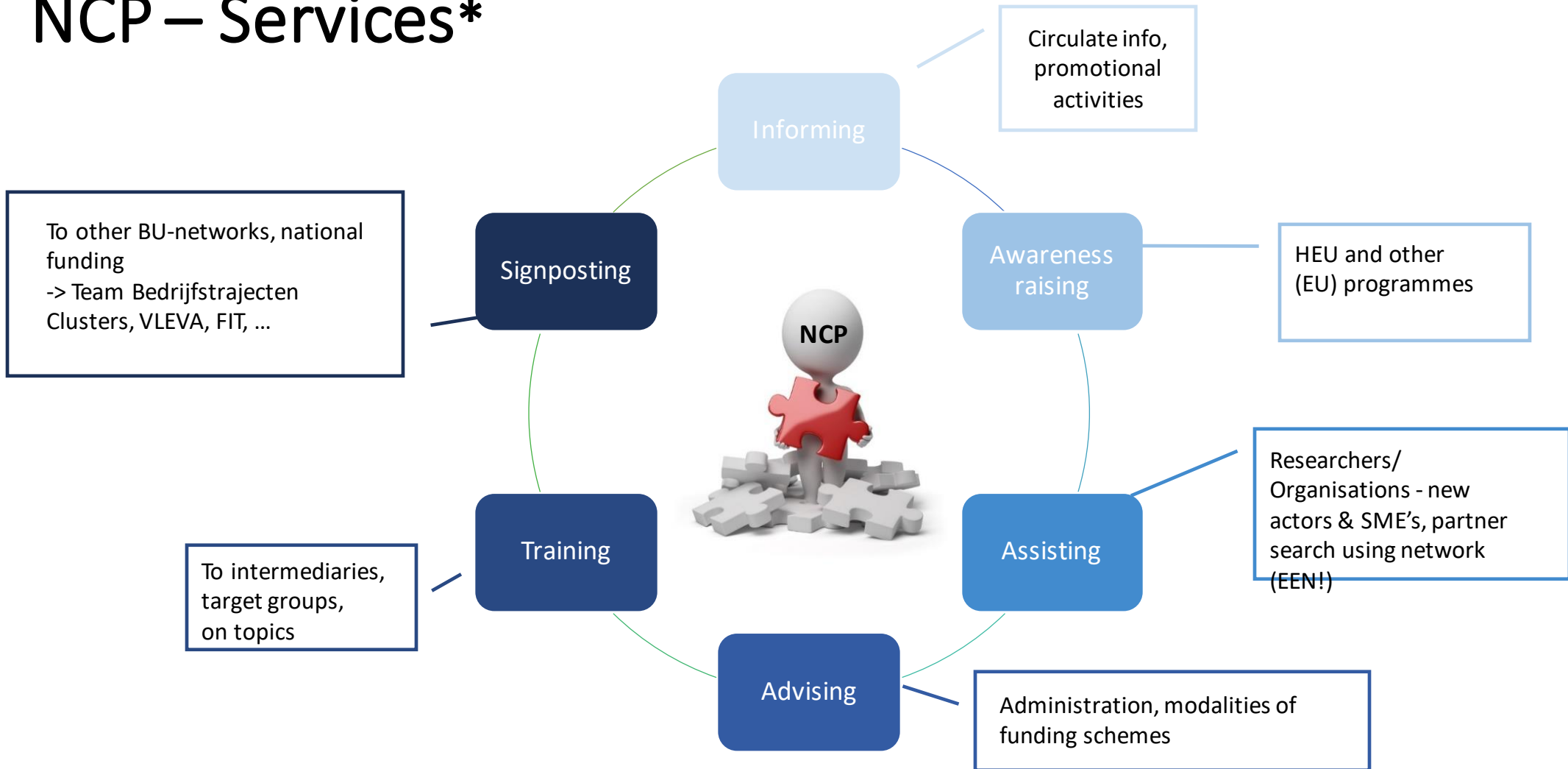
Ensure the orderly resolution of failing banks, with minimum impact on the real economy and the public finances of the participating EU countries and others

The European Fund for Strategic Investments (EFSI) FUNDING

The central pillar of the Investment Plan for Europe

-  SMEs, Large Enterprises, Government, Cities, Communities & NGOs, Knowledge Centers

NCP – Services*



*Minimum standards and Guiding principles for setting up systems of National Contact Points (NCP systems) under Horizon Europe

Call topics overview via NCP Flanders website: <https://ncpflanders.be/call-topics>

NCP Flanders

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Horizon Europe ▾

Digital Europe

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Horizon 2020 ▾

Other EU Funding

Contact

Sign out



Call topics overview

A handy Excel file, weekly updated, containing an up-to-date overview of the Horizon Europe calls

It goes without saying, the main sources of information on the call topics are the **Funding & Tenders Portal** and the **Work Programmes**. You can find direct links on each of the (sub)programme pages of this website.

However, sometimes you are just in need of **a good overview** to quickly find back relevant information or to follow-up certain initiatives in your organisation. This is why NCP Flanders provides, as an extra service, Excel files with the essential call topic information. For now, this exists in 2 variants, and the information in both is exactly the same:

- All information in one sheet
- A multi-worksheet file with calls grouped per programme (sub)domain

As we're just starting this service, all client feedback is welcome. Simply send a mail to info@ncpflanders.be with your comments and suggestions.

Excel files with Call Topic overview



[All in one sheet](#)
version 2022-12-05



[One sheet per programme](#)
version 2022-12-05

The information you'll find in the files is

- Call topic identifier and title (including link to F&T portal)
- Call status, submission deadline(s), opening date
- Action Type, Submission type
- Call budget

NCP Flanders



Fonds Wetenschappelijk Onderzoek
Vlaanderen
Opening new horizons

INNOVEREN &
ONDERNEMEN



viaanderen
is ondernemen

Call topics overview via NCP Flanders website: <https://ncpflanders.be/call-topics>

	A	B	C	D	E	F	G
1	Call status	Submission DL	Identifier	Title (click to go to F&T portal)	Action type	Date open	Submission type
125	Forthcoming	2023-09-20	HORIZON-MISS-2023-SOIL-01-07	Back to earth: bringing communities and citizens closer to soil	CSA	2023-01-17	single-stage
126	Forthcoming	2023-09-20	HORIZON-MISS-2023-SOIL-01-08	Co-creating solutions for soil health in Living Labs	RIA	2023-01-17	single-stage
127	Forthcoming	2023-09-20	HORIZON-MISS-2023-SOIL-01-09	Carbon farming in living labs	RIA	2023-01-17	single-stage
128	Forthcoming	2024-02-07	HORIZON-CL4-2024-RESILIENCE-01-01	Exploration of critical raw materials in deep land deposits (RIA)	RIA	2023-09-19	single-stage
129	Forthcoming	2024-02-07	HORIZON-CL4-2024-RESILIENCE-01-04	Technologies for processing and refining of critical raw materials (IA)	IA	2023-09-19	single-stage
130	Forthcoming	2024-02-07	HORIZON-CL4-2024-RESILIENCE-01-08	Rare Earth and magnets innovation hubs (IA)	IA	2023-09-19	single-stage
131	Forthcoming	2024-02-07	HORIZON-CL4-2024-RESILIENCE-01-10	Addressing due diligence requirements in raw materials supply chains. (CSA)	CSA	2023-09-19	single-stage
132	Forthcoming	2024-02-07	HORIZON-CL4-2024-RESILIENCE-01-11	Technologies for extraction and processing of critical raw materials (IA)		2023-09-19	single-stage
133	Forthcoming	2024-02-07	HORIZON-CL4-2024-RESILIENCE-01-24	Development of safe and sustainable by design alternatives (IA)	IA	2023-09-19	single-stage
134	Forthcoming	2024-02-07	HORIZON-CL4-2024-RESILIENCE-01-35	Biodegradable polymers for sustainable packaging materials (IA)	IA	2023-09-19	two-stage
135	Forthcoming	2024-02-07	HORIZON-CL4-2024-RESILIENCE-01-36	Advanced biomaterials for the Health Care (IA)		2023-09-19	two-stage
136	Forthcoming	2024-02-07	HORIZON-CL4-2024-RESILIENCE-01-41	'Innovate to transform' support for SME's sustainability transition (CSA)	CSA	2023-09-19	single-stage
137	Forthcoming	2024-02-07	HORIZON-CL4-2024-TWIN-TRANSITION-01-01	Bio-intelligent manufacturing industries (Made in Europe Partnership) (RIA)		2023-09-19	two-stage
138	Forthcoming	2024-02-07	HORIZON-CL4-2024-TWIN-TRANSITION-01-03	Manufacturing as a Service: Technologies for customised, flexible, and decentralised production on demand		2023-09-19	single-stage
139	Forthcoming	2024-02-07	HORIZON-CL4-2024-TWIN-TRANSITION-01-05	Technologies/solutions to support circularity for manufacturing (Made in Europe Partnership) (RIA)	RIA	2023-09-19	single-stage
140	Forthcoming	2024-02-07	HORIZON-CL4-2024-TWIN-TRANSITION-01-12	Enhanced assessment, intervention and repair of civil engineering infrastructure (RIA)		2023-09-19	two-stage
141	Forthcoming	2024-02-07	HORIZON-CL4-2024-TWIN-TRANSITION-01-32	Optimisation of thermal energy flows in the process industry (Processes4Planet partnership) (IA)	IA	2023-09-19	single-stage
142	Forthcoming	2024-02-07	HORIZON-CL4-2024-TWIN-TRANSITION-01-34	Renewable hydrogen used as feedstock in innovative production routes (Processes4Planet partnership) (RIA)	RIA	2023-09-19	single-stage
143	Forthcoming	2024-02-07	HORIZON-CL4-2024-TWIN-TRANSITION-01-35	Turning CO2 emissions from the process industry to feedstock (Processes4Planet partnership) (IA)	IA	2023-09-19	single-stage
144	Forthcoming	2024-02-07	HORIZON-CL4-2024-TWIN-TRANSITION-01-38	Hubs for circularity for industrialised urban peripheral areas (Processes4Planet partnership) (IA)	IA	2023-09-19	single-stage
145	Forthcoming	2024-02-07	HORIZON-CL4-2024-TWIN-TRANSITION-01-41	Breakthroughs to improve process industry resource efficiency (Processes4Planet partnership) (RIA)		2023-09-19	single-stage
146	Forthcoming	2024-02-07	HORIZON-CL4-2024-TWIN-TRANSITION-01-44	Digital transformation and ensuring a better use of industrial data, which can optimise steel supply chains		2023-09-19	single-stage
147	Forthcoming	2024-02-07	HORIZON-CL4-2024-TWIN-TRANSITION-01-46	CO2-neutral steel production with hydrogen, secondary carbon carriers and electricity (RIA)	RIA	2023-09-19	single-stage
148	Forthcoming	2024-02-20	HORIZON-CL4-2024-SPACE-01-35	Copernicus for Land and Water		2023-11-21	single-stage
149	Forthcoming	2024-02-20	HORIZON-CL4-2024-SPACE-01-36	Copernicus for Security		2023-11-21	single-stage
150	Forthcoming	2024-02-20	HORIZON-CL4-2024-SPACE-01-64	Quantum Space Gravimetry Phase-B study & Technology Maturation	RIA	2023-11-21	single-stage
151	Forthcoming	2024-02-20	HORIZON-CL4-2024-SPACE-01-73	Space technologies for European non-dependence and competitiveness		2023-11-21	single-stage
152	Forthcoming	2024-03-19	HORIZON-CL4-2024-DATA-01-01	AI-driven data operations and compliance technologies (AI, data and robotics partnership) (IA)	IA	2023-11-15	single-stage
153	Forthcoming	2024-03-19	HORIZON-CL4-2024-DATA-01-03	Piloting emerging Smart IoT Platforms and decentralized intelligence (IA)	IA	2023-11-15	single-stage
154	Forthcoming	2024-03-19	HORIZON-CL4-2024-DATA-01-05	Platform Building, standardisation and Up-scaling of the 'Cloud-Edge-IoT' Solutions (Processes4Planet partnership) (CSA)	CSA	2023-11-15	single-stage
155	Forthcoming	2024-03-19	HORIZON-CL4-2024-DIGITAL-EMERGING-01-03	Novel paradigms and approaches, towards AI-powered robots – step change in functional capabilities (RIA)	RIA	2023-11-15	single-stage
156	Forthcoming	2024-03-19	HORIZON-CL4-2024-DIGITAL-EMERGING-01-04	Industrial leadership in AI, Data and Robotics boosting competitiveness and the green transition (IA)	IA	2023-11-15	single-stage
157	Forthcoming	2024-03-19	HORIZON-CL4-2024-DIGITAL-EMERGING-01-21	Open Source for Cloud/Edge to support European Digital Autonomy (RIA)	RIA	2023-11-15	single-stage
158	Forthcoming	2024-03-19	HORIZON-CL4-2024-DIGITAL-EMERGING-01-22	Fundamentals of Software Engineering (RIA)		2023-11-15	single-stage

Helping ambitious SMEs innovate and grow internationally



We combine **international business expertise** with **local knowledge** to take your innovation into new markets.



The world's largest support Network for SMEs with international ambitions



3000

LOCAL
EXPERTS



600+

LOCATIONS



60+

COUNTRIES
WORLDWIDE

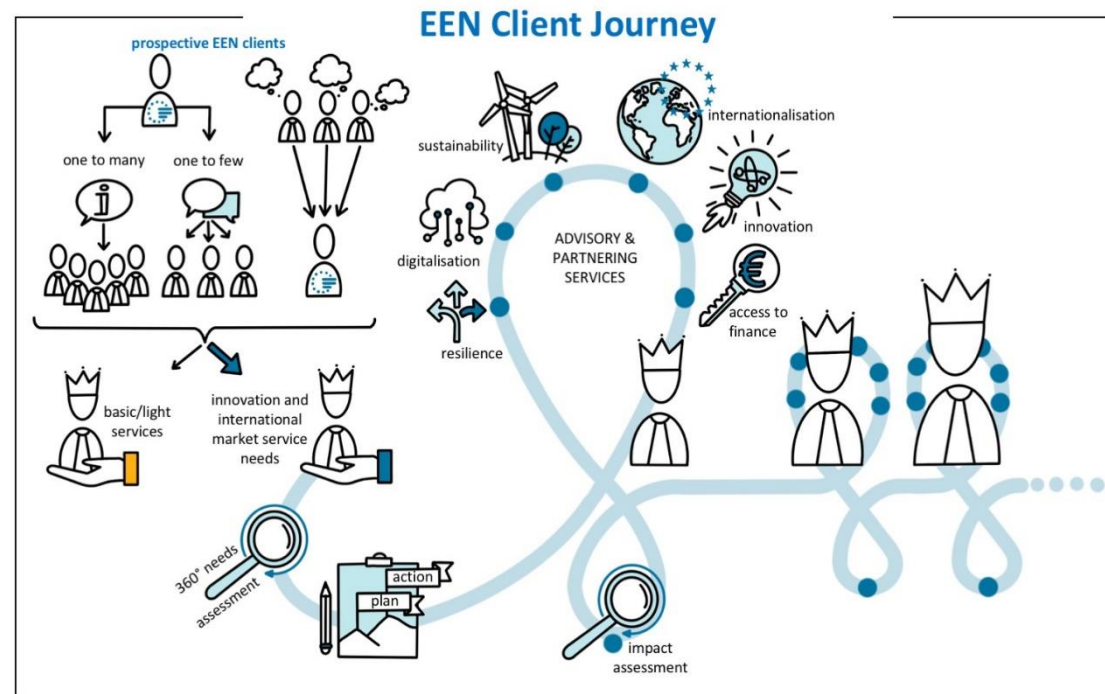
<https://een.ec.europa.eu/about/branches>

- Flanders: Consortium of VLAIO + FIT
- Chamber of Commerce, University, R&D,....
- 14 sectorgroups



Services Enterprise Europe Network

- International partnerships
- Advice international growth
- Advice and support for international innovation



How it works: international partnerships

The Network's Partnering Opportunity Database contains thousands of company profiles to find the perfect match. In addition we organise:

Matchmaking events across Europe where SMEs can meet potential business and innovation partners in person.

Company missions where we set up and prepare you for targeted international meetings with strong business prospects



<https://een.ec.europa.eu/partners>

<https://een.ec.europa.eu/events>

<https://enterpriseeuropelvlaanderen.be>



Matchmaking events

Matchmaking Event VL - NL 2023

Genetics, breeding & crop protection

16th of February
Wageningen Campus



flanders.bio

Holland
BIO



Do not hesitate to contact us!

www.ncpflanders.be/team

[https://www.enterpriseeuropenvlaanderen.be/
enterprise-europe-network-vlaanderen](https://www.enterpriseeuropenvlaanderen.be/enterprise-europe-network-vlaanderen)

Project oproep: Bedrijventerreinen die bijdragen aan een positieve waterbalans.

Focus op:

- het creëren van koppelkansen, door samenwerking van verschillende partners, bv. minstens twee bedrijven, of een bedrijf met andere partner (landbouw, overheid,...). Investerings die ten goede komen van een enkel bedrijf komen niet in aanmerking;
- het inzetten op multifunctioneel ruimtegebruik;
- brongerichte maatregelen eerder dan remediërende.
- De ingrepen/investeringen moeten verder gaan dan het louter voldoen aan de wettelijke verplichtingen.



**Medegefinancierd door
de Europese Unie**

Project oproep: Bedrijventerreinen die bijdragen aan een positieve waterbalans.

Focus op:

- De EFRO-steun bedraagt maximaal 40% van de totale subsidiabele kosten.
- Oproeportefeuille: 4 miljoen euro + afzonderlijke oproep Limburg.
- Verplichte vooraanmelding:
 - Deadline op vrijdag 31 maart 2023 via vooraanmelding-efro-bd2@vlaio.be
 - Deadline voor de indiening van de projectvoorstellen is vrijdag 30 juni 2023.
- Oproep wordt gelanceerd op 8 februari
- Infosessie op 27 februari
- Meer info op www.efro.be



**Medegefinancierd door
de Europese Unie**



Water Europe

**The voice and promoter
of water-related innovation and RTD in Europe.**

Who are WE?

Values & members

- **Recognized voice and promoter of water-related RTD and innovation in Europe**
- **Mission:**
 - Improve **coordination and collaboration** in the water ecosystem in the EU and beyond;
 - Enhance **performance and competitiveness** of the water ecosystem;
 - Contribute to solving **global water challenges** through RTD&I.
- **Water Europe Strategy:**
 - **Multistakeholder** association representing the whole water value-chain
 - **Value-based** organisation: Water Vision



College A: Multinational corporations
College B: Research & Technology developers
College C: Utilities
College D: Suppliers & SMEs
College E: Large water users

College F: Public Authorities
College G: Civil Society Organisations

WE organisational matrix



WE in research and innovation projects



Water Europe's support to its members' R&I projects:

- Letter of Support
- Consortium partner
- Subcontractor

Involvement:



Communication & Dissemination



Networking



Policy



Water-oriented Living Labs



75% of participants to successful water-related H2020 consortia are WE members



Completed projects



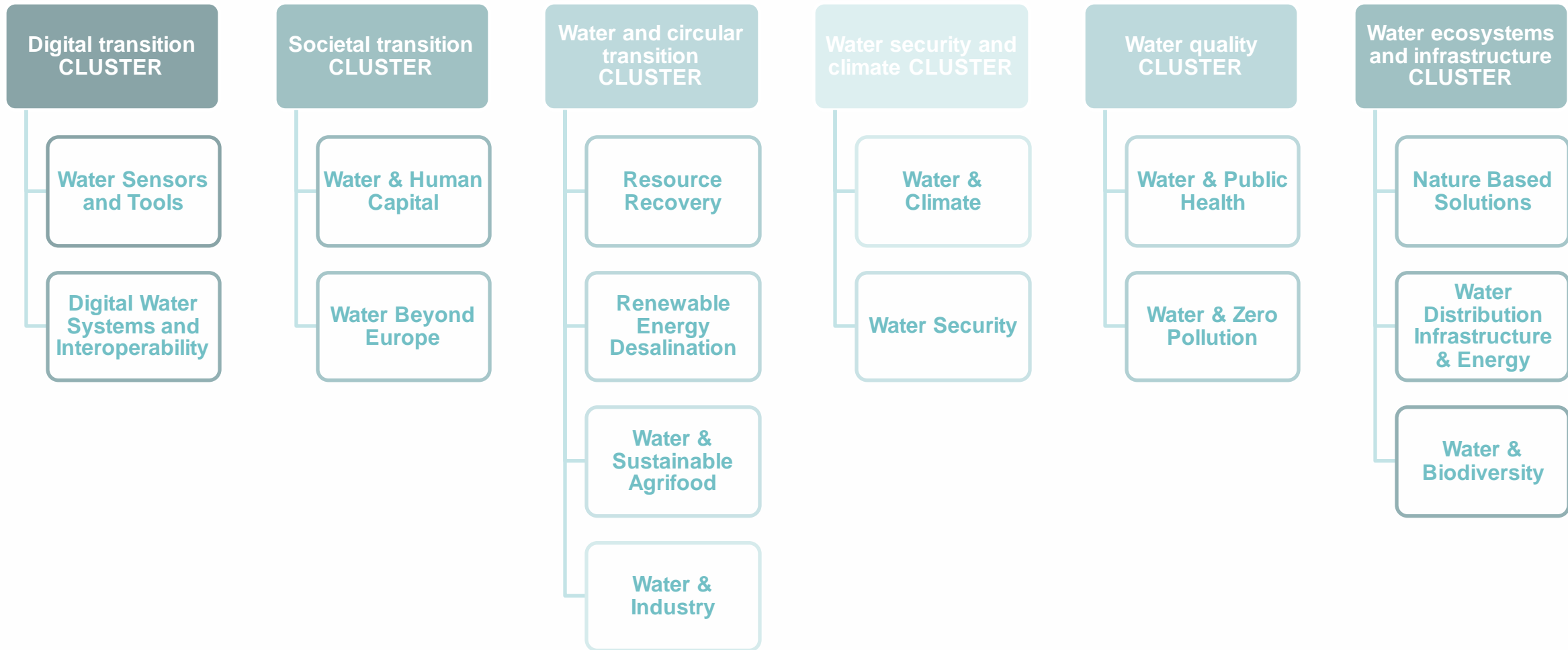
Ongoing projects



WE Working Groups

2021 - 2024

Working Groups are **the operational level** for members' collaboration and coordination in WE. They are **fully member-driven**, the backbone of our WE community that provides **technical and scientific inputs on a series of themes that voice the water-related challenges, needs and opportunities** of each respective field at a European level.



WE PARTICIPATED PARTNERSHIPS: MAIN HIGHLIGHTS



This Partnership (500 MEur) is co-funded by the EU within the frame of the HEU. It is a key funding programme for R&I. It includes water challenges as it aims to tackle climate change, boost the EU's competitiveness and growth and **demonstrate innovation through WOLLs (Pillar led by WE)**

Water4All generates annual Joint Transnational Calls for proposals from 2022 to 2027.



The Processes4Planet (P4Planet) Partnership (1,3 BEur budget) aim is to transform the European process industries to achieve circularity and overall climate neutrality at the EU level by 2050 while enhancing their global competitiveness.

WE is one of the 10 signatories of the Partnership within SPIRE. 130 MEur secured so far for projects for the water sector in the Cluster 4 of Pillar 2 of Horizon Europe.

Thank You

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 +32(0)27068291

 [H2OEU](https://twitter.com/H2OEU)

 [Water Europe](https://www.linkedin.com/company/watereurope)



Technology & Innovation

een.ec.europa.eu

Slim waterbeheer

Meet&Match event – 02/02/2023

Bo Vanbesien, expert subsidies en
externe relaties

Agenda

Slim waterbeheer

1. Smartwaterland
2. Smart City Data Platform
3. Rainbrain



1. Smartwaterland

Inleiding

<https://www.focus-wtv.be/nieuws/roeselare-verspreidt-digitale-pluviometers-over-de-hele-stad>



Leerlingen Broederschool maken pluviometers die stad helpen om waterbeheer slimmer aan te pakken

ROESELARE Hoeveel neerslag valt er in Roeselare? En vooral: wat kunnen we hieruit leren? Om beter te kunnen antwoorden op deze vraag maken leerlingen van de Broederschool samen met de stad en enkele Roeselaarse bedrijven een "slimme" pluviometer die de stad moet helpen om slimmer om te gaan met water.

Charlotte Degezelle 09-12-22, 18:45

ROESELARE / Onderwijs

Dankzij pluviometers van leerlingen Broederschool verzamelt stad data over neerslag



© (Foto MPM)



Bert Feys
Medewerker KW

10 december 2022, 10:37

Context

Slim in de Stad 20219

Subsidie Vlaamse Regering: 290 000 euro

Realiseren van een fijnmazig netwerk van digitale pluviometers in regio Roeselare in samenwerking met het secundair onderwijs



Beoogde effecten

- Koppelen van neerslag aan waterstanden moet **watersnood** in de toekomst **vermijden** of minstens beperken door te linken aan ander project Rainbrain
- Proactief inzetten van **veiligheidsdiensten** (2 uur vroeger)
- De **bewustwording rond data** verhogen, zowel voor jongeren als ouderen, als voor de bedrijven en landbouw, en voor de interne medewerkers
- Diverse **data contextualiseren** en verrijken
- De kracht van **samenwerking** inzetten om uitdagingen aan te pakken





Projectpartners

Hogeschool Vives

Academische validatie en pedagogische ondersteuning

Quicksand

Ontwerp en uittesten van sensoren, connectiviteit en dashboarding

WVI

Ontwerp en uittesten van de behuizing en het werken met 3D printers

Stad Roeselare

Coördinatie en uitrol in Roeselare

Broederschool

Uitrol piloot





Lessenpakket

Opgemaakt door Vives Hogeschool

Piloot in 1^{ste} jaar secundair STEM

Focus op het maken van het pluviometer en context

In later stadium: gebruik van de data in bv. lessen statistiek

Digitale pluviometer + omhulsel

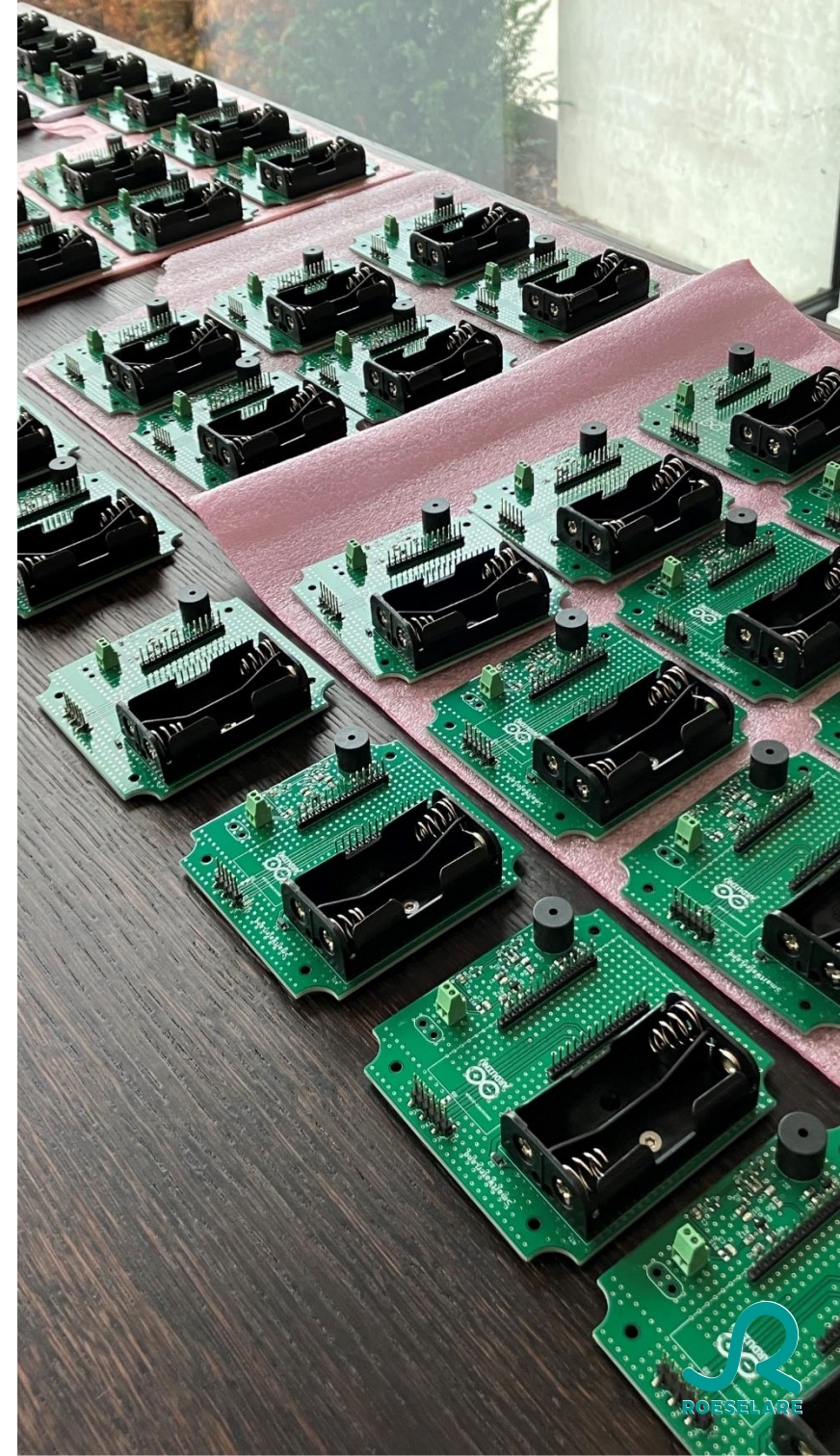
Sensor wordt afgewerkt afgeleverd door Quicksand

Ook monitoring van batterijspanning en temperatuur

Onderdelen omhulsel worden afgewerkt afgeleverd door Vives

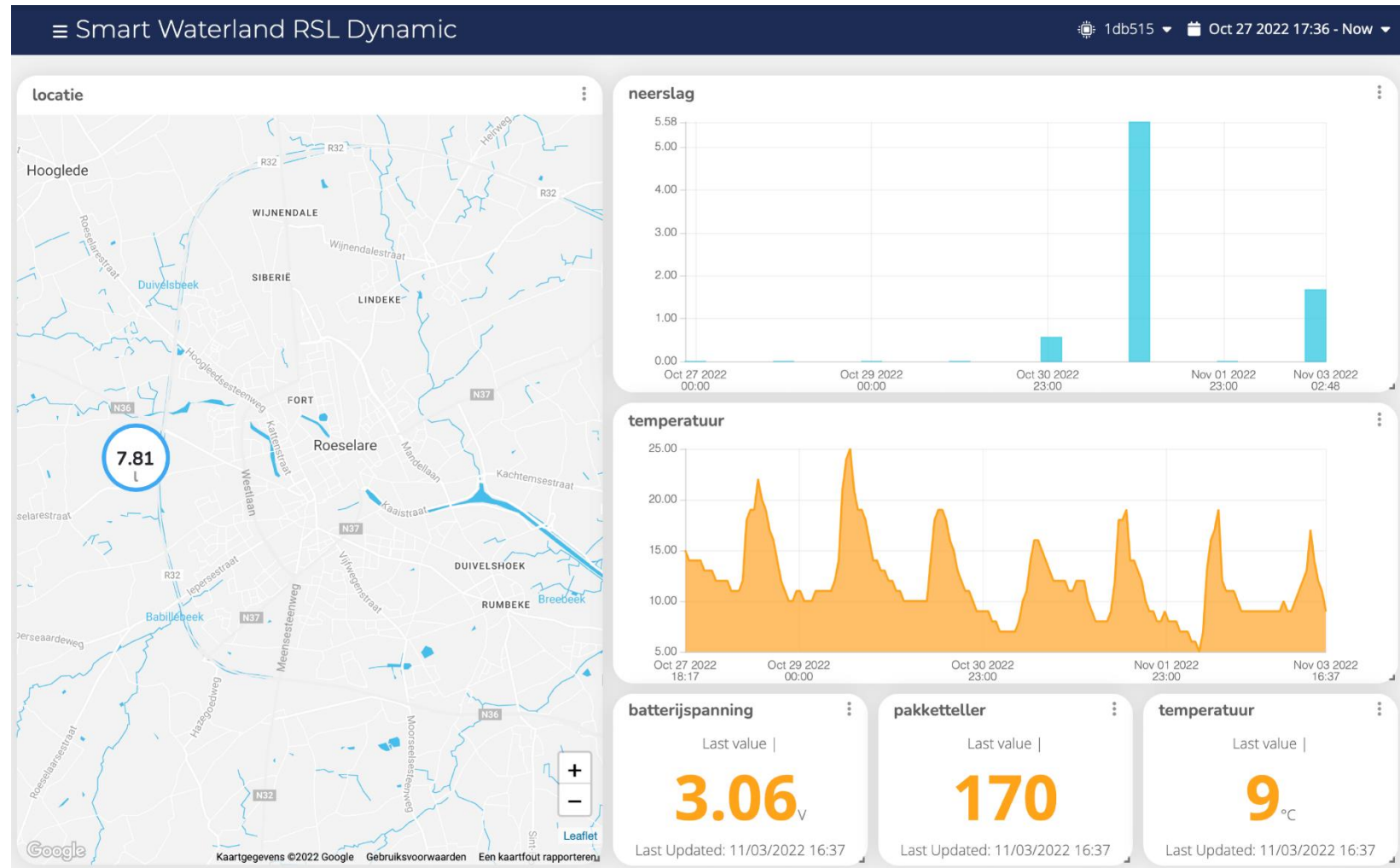
Leerlingen werken met een lijmpistool om onderdelen juist in elkaar te steken en sensor te bevestigen in het omhulsel

1 of 2 modellen worden 3D geprint in de klas (lange duurtijd)



Data

- Arduino IOT platform
- Data zichtbaar per pluviometer of per klasgroep
- Geen GPS in de pluviometer -> adres manueel ingeven
- Na evaluatie toch GPS (betrouwbaarheid)
- Ook pushen van de data naar de Stad





Piloottraject

Lessenreeksen in STEM lessen

Mogelijke opschaling (Scivil)



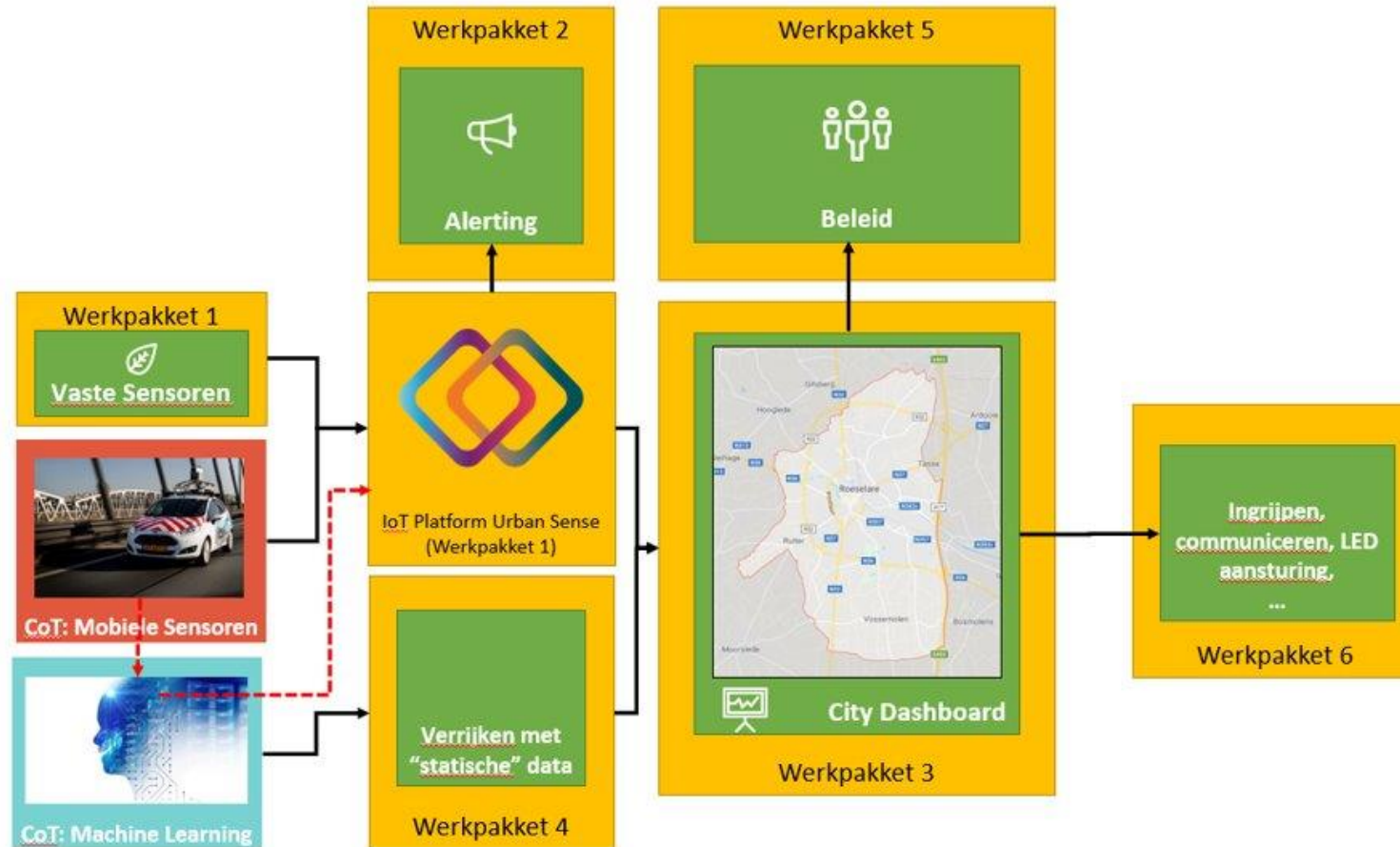
2. Smart City Data Platform

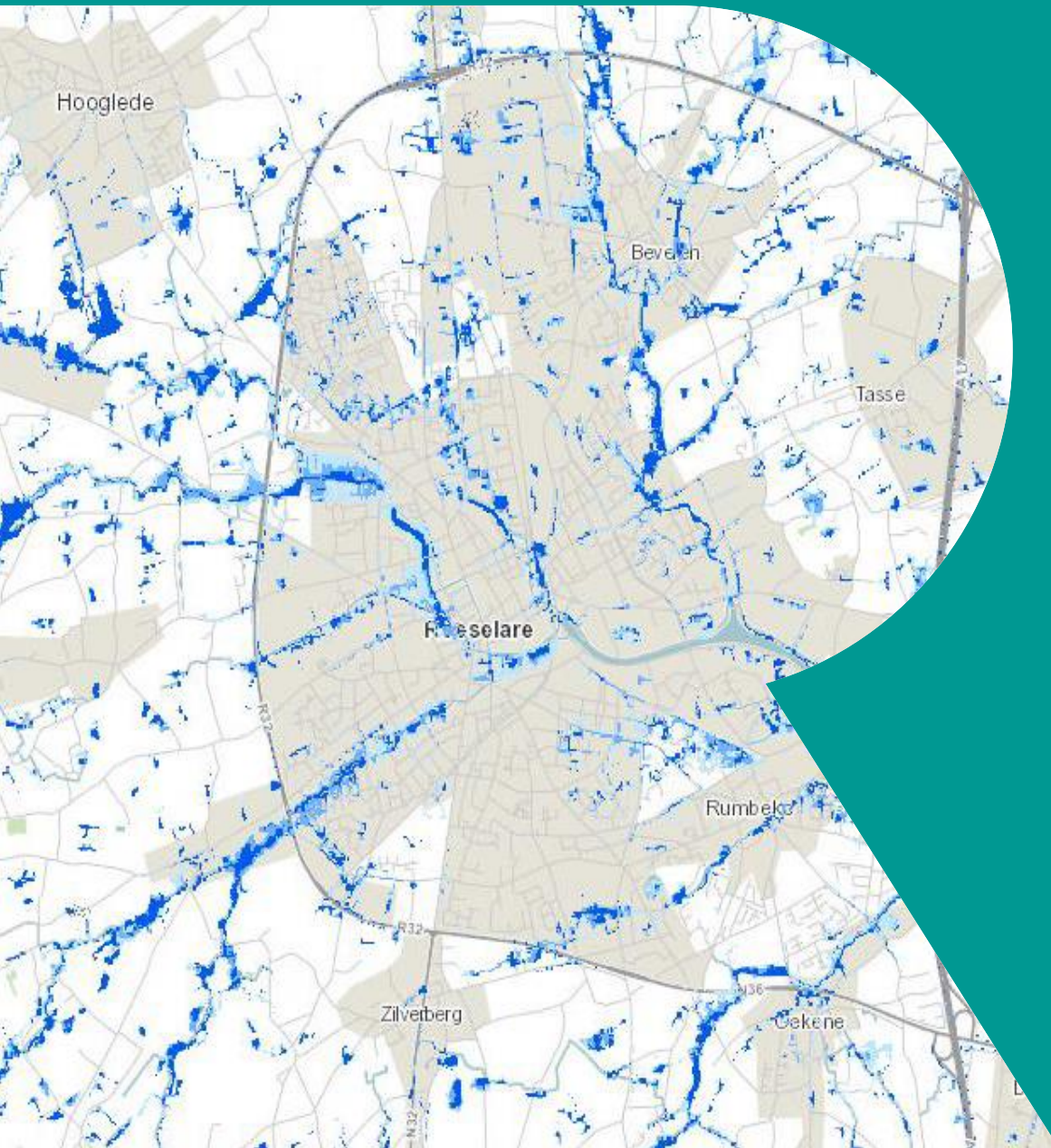
Smart City Data Platform

AGENTSCHAP
INNOVEREN &
ONDERNEMEN



Vlaanderen
is ondernemen





3.

Rainbrain slim waterbeheer

Use Case Roeselare: RainBrain

– Doelstelling:

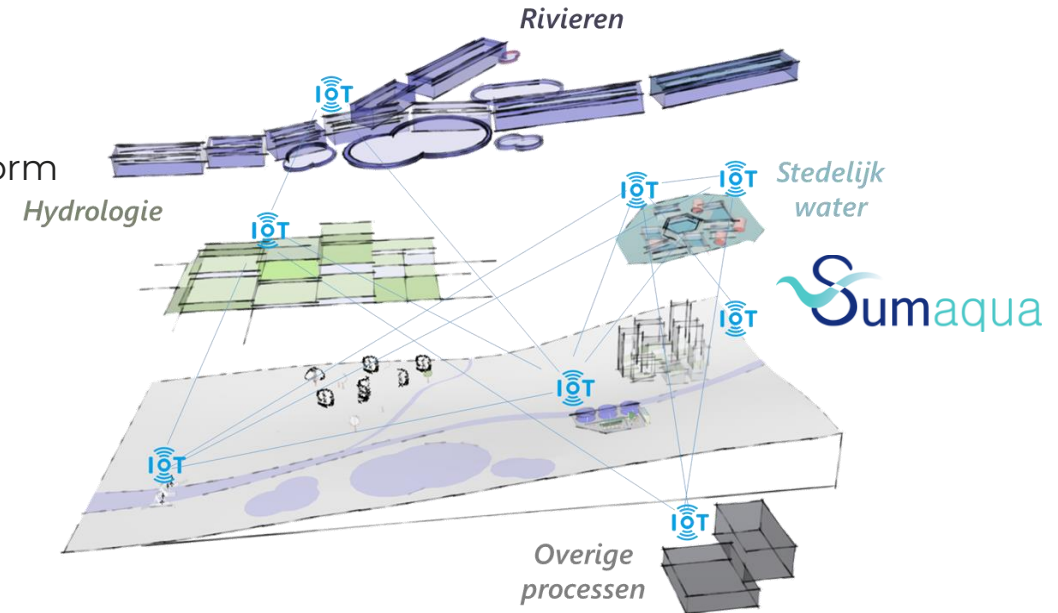
- Ontwikkelen en testen van een IoT geconnecteerd waterplatform dat het hart van een slim stedelijk water beheer vormt
- Beheren van risico's m.b.t:
 - Wateroverlast
 - Droogte
 - Kwaliteit

– Hoe?

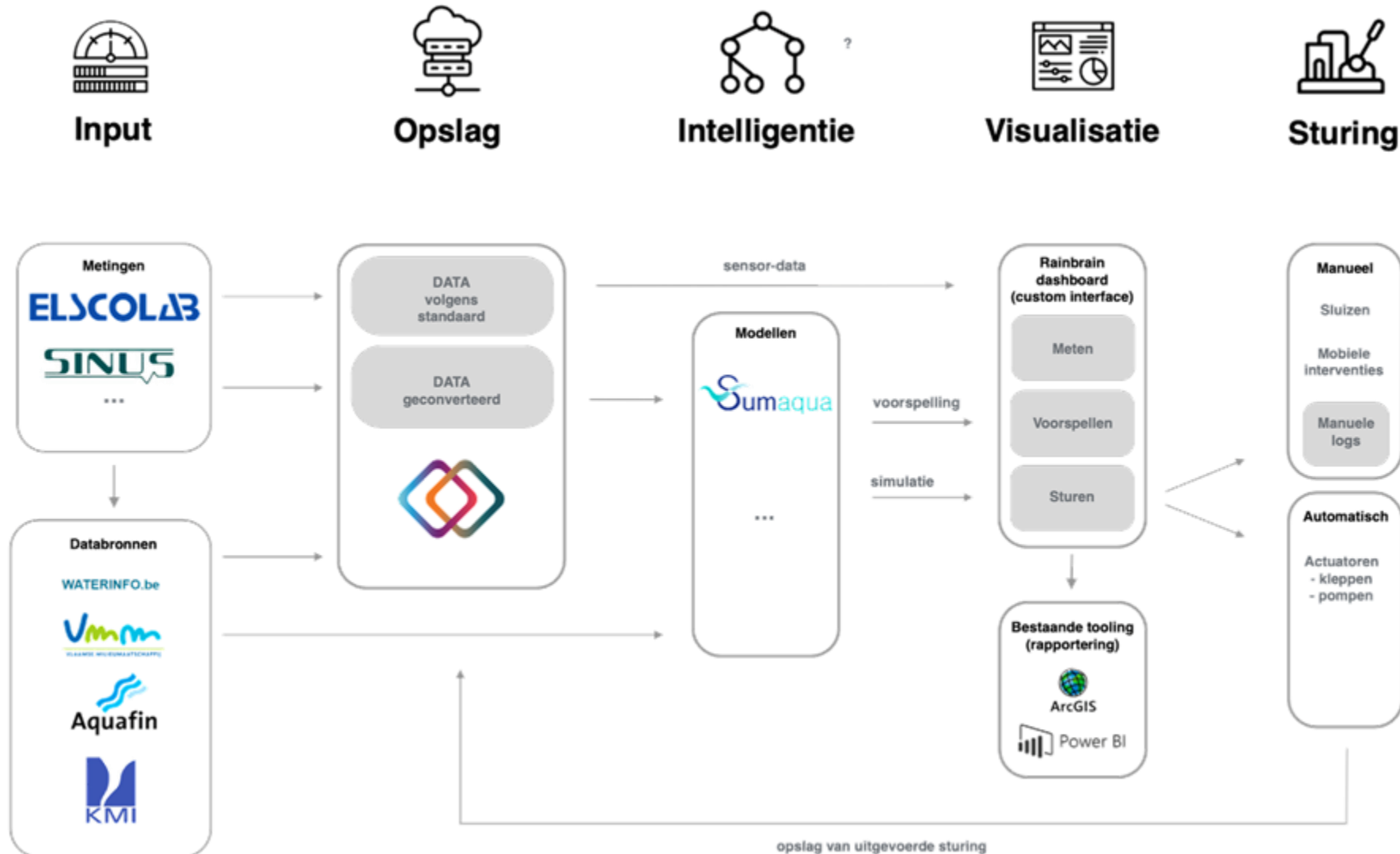
- Real-time (automatisch) aansturen van stuwen en pompen
- Simulatiemodellen en sturingsalgoritmes van Sumaqua
- Dashboard om watersysteem & sturing op te volgen

– Gebruikte data stromen:

- Pluviometers (Eigen + Smartwaterlands)
- Waterpeil sensoren
- Data Waterinfo
- Weerberichten



Ontwikkeling & integratie RainBrain



Partners



In het kader van **City of Things** heeft de Vlaams Minister voor Economie en Innovatie een subsidie toegekend voor het ingediende project door Stad Roeselare,

Rainbrain wordt gerealiseerd in samenwerking met:

**Opdrachtgever
& financiering**



**Technologische
partners**



**Partner
waterbeheerders**



Realisatie RainBrain Roeselare

Cases

- Stuwtdjes langs de Mandel slimmer sturen
- Optimale inzet mobiele pomp bij (dreigende) wateroverlast
- Aansturen nieuw bufferbekken langs de Collievijverbeek (*te bevestigen*; Provincie West-Vlaanderen)

Timing

- Operationeel Q3 2023

Meer weten?

- **Matchmaking tafel Sumaqua**



Grote Bassin langs de Mandel (Roeselare)

Bedankt!

Jasmien Wellens

Projectleider innovatie en digitalisering

Jasmien.wellens@roeselare.be



Reserveer met Swapcard

- Login: <https://app.swapcard.com/login/event/meet-and-match-platform-onderzoek-ontwikkeling-en-innovatie-water/registration>
- Plan je gespreksrondes, elke sessie in elke ronde (grijze button)
- Kies één tafel per ronde (check hoeveel plaats er nog is). Elke ronde duurt 10 min
- Jouw eventagenda = 'jouw evenement' (groene button)

Matchmaking tafels

I.	Water in circulaire economie Joep van den Broecke	KWR NL
II.	Aquathermie Thijs Van Der Meeren	De Vlaamse Waterweg
III.	Nature Based Solutions Jiri Nossent	VUB
IV.	Waterfluxen Stijn Claeys	MOW

V.	RainBrain Vincent Wolfs	Sumaqua
VI.	Impact riooloverstorten op aquatische biodiversiteit Jeroen Van Wichelen	INBO
VII.	Pilootinstallatie zandfilter met granulaire microfiltratie Daan Verheeke	LIQUA
VIII.	Green Service - Reverse Osmosis Pieter Vanoverschelde	Green Service
IX.	Sturing Regenwaterafvoer Nick De Gregorio	ANTEA

1.	Is er nood aan een Vlaamse onderzoeks- en innovatieagenda rond water? Hoe geven we die best vorm?	Peeters Patrik Halet Dirk	WL Vlakwa
2.	Concentraatstromen bij doorgedreven hergebruik: knelpunten & oplossingsrichtingen (technologie, bronaanpak, valorisatie, ...)	Mertens Mathias Verhoeve Tania	water circle.be VMM
3.	De (moeilijke) overstap tussen het 'pure' onderzoekswerk en het markt-klaar maken van innovaties: wat zijn de hefboomen?	Verreet Gert	EWI
4.	Waterbewust bouwen: Wat als we alleen maar drinkwater drinken?	Francken Wendy Depuydt Veerle	Vlario Vlakwa
5.	Hoe realiseren we een cultuuromslag in de waterwereld?	Symons Lieven	Waterland vzw
6.	Onderzoek naar gedragsfactoren en andere aspecten die het drinkwaterverbruik beïnvloeden	Ottoy Pauline	De Watergroep
7.	Vernattingsprojecten en paludicultuur: haalbaarheid, teeltechnische aspecten, verdienmodellen	Garré Sarah	ILVO

8.	Remote sensing voor water	Knaeps Els Ils Reusen	VITO
9.	Vlaams Klimaatadaptatiebeleid en de Europese natuur- en milieudoelen: houden de richting-gevende tools voldoende rekening met natuurdoelen?	Van den Bergh Erika	INBO
10.	Hoe data, digitalisatie en decision-support systemen, als digital twins, bijdragen tot de oplossingen voor de verschillende uitdagingen in het waterdomein.	Vanderschrik Joris Claus Simon	IMEC ADV
11.	Ecologische modellering: Hoe kunnen we data, tools en kennis delen?	Bennetsen Elina	VMM
12.	Bronwater, Drainagewater, bemalingswater en hemelwater uit de riolering houden. Wat is de beste aanpak?	Welens-Vrijdaghs Hans	Bekken Zenne
13.	Weerbaar Waterland: living lab voor maatregelen en inrichting bovenstroomse landschappen in het Demerbekken	Van Loon Marie	Architecture Workroom



02.02.2023

Meet & Match event

Georganiseerd door het platform onderzoek, ontwikkeling en innovatie water



DEPARTEMENT
MOBILITEIT &
OPENBARE
WERKEN

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ECONOMIE
WETENSCHAP &
INNOVATIE

COÖRDINATIECOMMISSIE
INTEGRAAL WATERBELEID



 VLAKWA

 watercircle.be