

PCP WISE Open Market Consultation

Webinar

03 June 2025 – 10:00-12:00



Funded by
the European Union

This project has received funding from the Horizon Europe Framework Programme (HORIZON) under grant agreement N° 101182917



Welcome & Opening remarks







Joost Buntsma, het Waterschapshuis, PCP Lead procurer



Housekeeping rules

Welcome to the PCP WISE Open Market Consultation Webinar!

Here's how to make the most of the session:

-  **Stay Muted** – Please keep your mic off unless invited to speak.
-  **Use the Chat** – Questions? Thoughts? Drop them in the chat anytime!
-  **Raise Your Hand** – Want to speak? Use the raise hand 🙋 feature.
-  **This session is recorded** – So we can share the magic with others later!
-  **Cameras Optional** – Feel free to keep your camera on if you'd like—we love seeing your faces!
-  **Be Respectful** – We're an inclusive, global community—let's keep it kind and constructive.



PCP WISE ID Card

PCP WISE is a forward-looking European project developing smart, sustainable solutions to improve **water management** and **climate resilience** by monitoring the Soil-Water-Vegetation-system. Using **space technology and environmental data**, it focuses on tackling major challenges like floods, wildfires, and infrastructure risks in both **urban and rural areas**.

Through a **Pre-Commercial Procurement** process, public buyers, researchers, and innovators are working together **to create a new solution** that will help Europe better prepare for and respond to the impacts of climate change.

- Builds on the **PROTECT CSA** project
- 12 Public Buyers and 14 support organizations
- **Lead procurer:** hetWaterschapshuis
- **Project coordination:** Barrabés
- **Duration:** 36 months
- **Overall budget:** €12M for suppliers





Agenda

10:00 – 10:05	Welcome & Opening remarks Joost Buntsma, het Waterschapshuis
10:05 – 10:35	PCP WISE project explained (Hans van Leeuwen, STOWA) <ul style="list-style-type: none">□ What is the rationality behind PCP WISE?<ul style="list-style-type: none">○ The Soil-Water-Vegetation system as indicator for drought, flooding, wildfires, soil subsidence in rural and urban areas.○ Urban versus rural areas and drought versus floods○ From 5 use cases to European application
10:35 – 11:00	The PCP WISE process <ul style="list-style-type: none">□ Process and rules of the OMC (Ana Isabel Corvers)<ul style="list-style-type: none">○ Technological competition in phases, timeline, budget, matchmaking and consortia skills, eligibility, IPR, OMC-document (20 min)□ Request for information (Arnoud Gringhuis, hWh)<ul style="list-style-type: none">○ Which information do we need (5 min)
11.00 - 11:15	PCP WISE Community building and matchmaking (Sofiane Bari, G.A.C.) <ul style="list-style-type: none">• Combining skills and formation of consortia• Matchmaking
11:15 – 11:55	Dialogue with potential suppliers <ul style="list-style-type: none">• Polls• Questions and answers• Request for Information
11.55 – 12:00	Closure (Joost Buntsma, het Waterschapshuis)



1. PCP WISE project explained

Hans van Leeuwen, STOWA

10:05 – 10:35

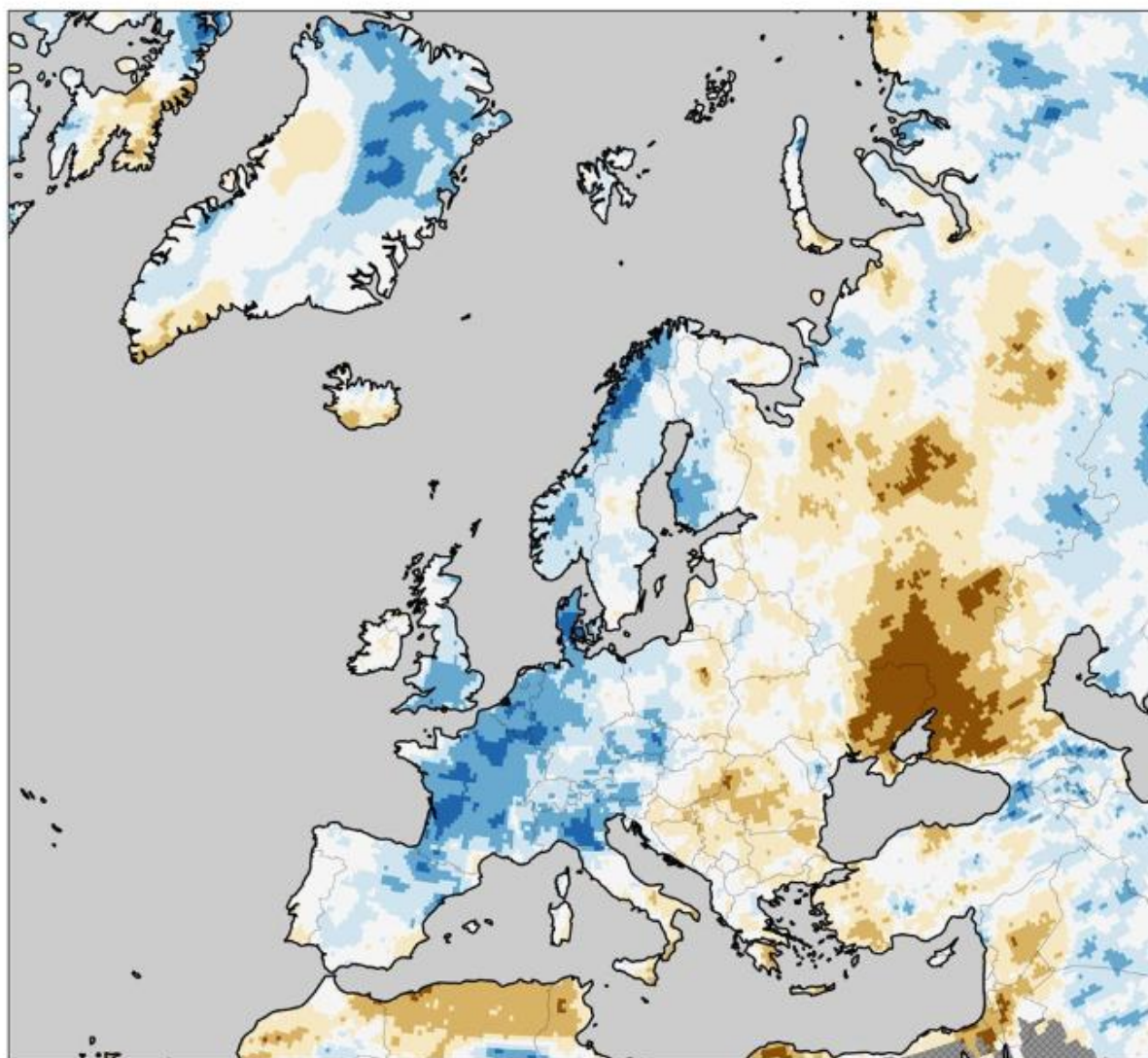


Climate Change on Water Resilience

- Climate Change in the last decades has a huge impact on our daily lives and forces us to **be better prepared** or resilient for extreme events as a result of this.
- Climate resilience could be defined as the **ability to anticipate, prepare for, and respond to hazardous events**, trends, or disturbances related to climate.
- A relevant portion of hazards in Europe is **water related**. To be more precise they are related to non regular water availability & spatial water distribution.
- In this presentation the **WISE programme is positioned to support local actors** to build and work on climate change related water resilience

Anomalies and extremes in annual precipitation in 2024

Data: ERA5 (1979–2024) • Reference period: 1991–2020 • Credit: C3S/ECMWF



PROGRAMME OF
THE EUROPEAN UNION

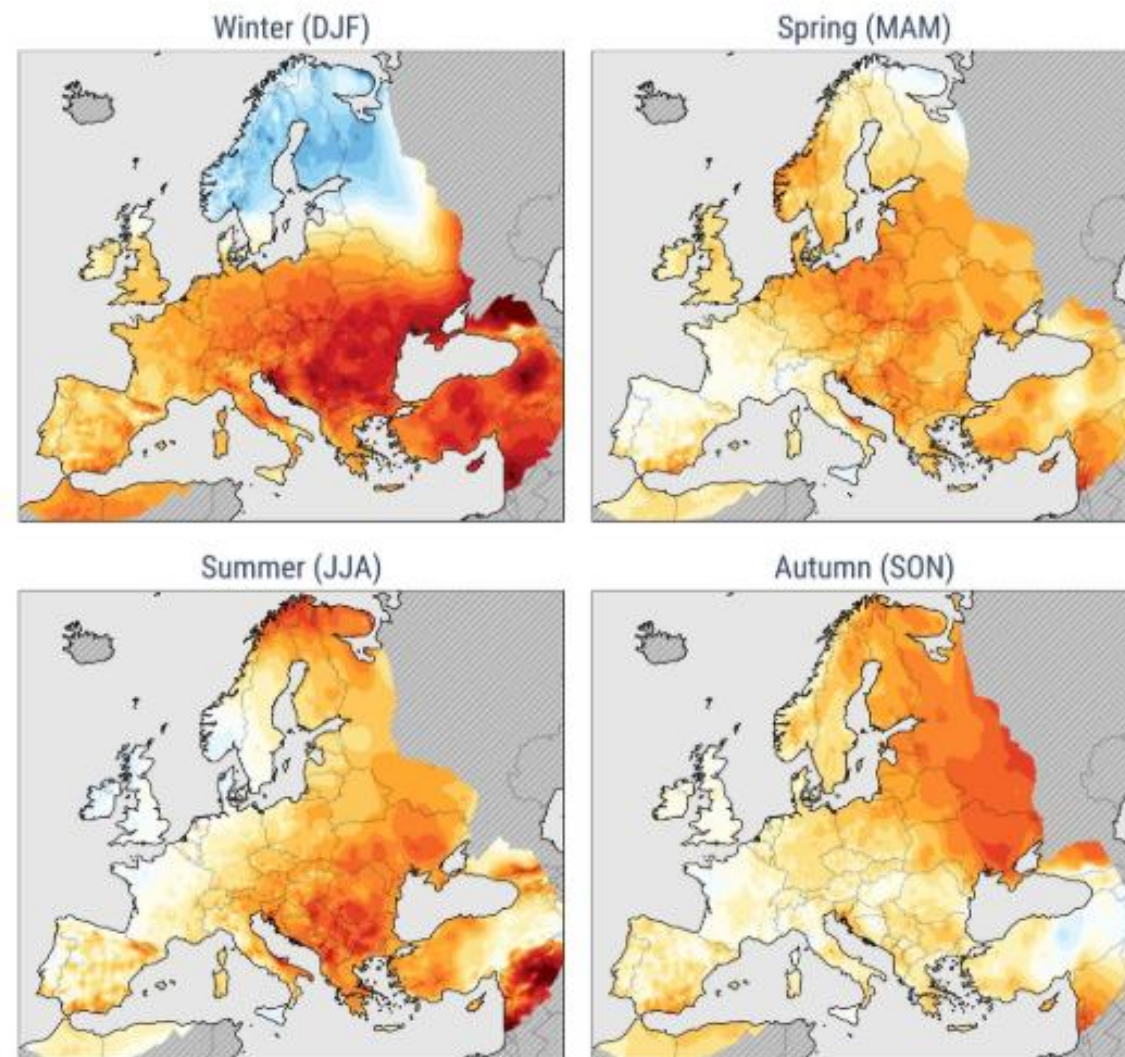


IMPLEMENTED BY



Anomalies in seasonal average surface air temperature in 2024

Data: E-OBS • Reference period: 1991–2020 • Credit: C3S/ECMWF/KNMI



PROGRAMME OF
THE EUROPEAN UNION



IMPLEMENTED BY





WISE programme focus on Local Acting level !

The water distribution in European River basins is of transnational importance in this era of dynamic climate change.

On top of that there is a huge pressure on the water availability by numerous sectors (industry, agriculture, nature, consumption, etc).

The consequences of local shortage or abundance of water in our soils (groundwater and aquifer systems) and surface waters are increasing and result in extreme situations to flooding, wildfires, water quality, productivity, etc problems.

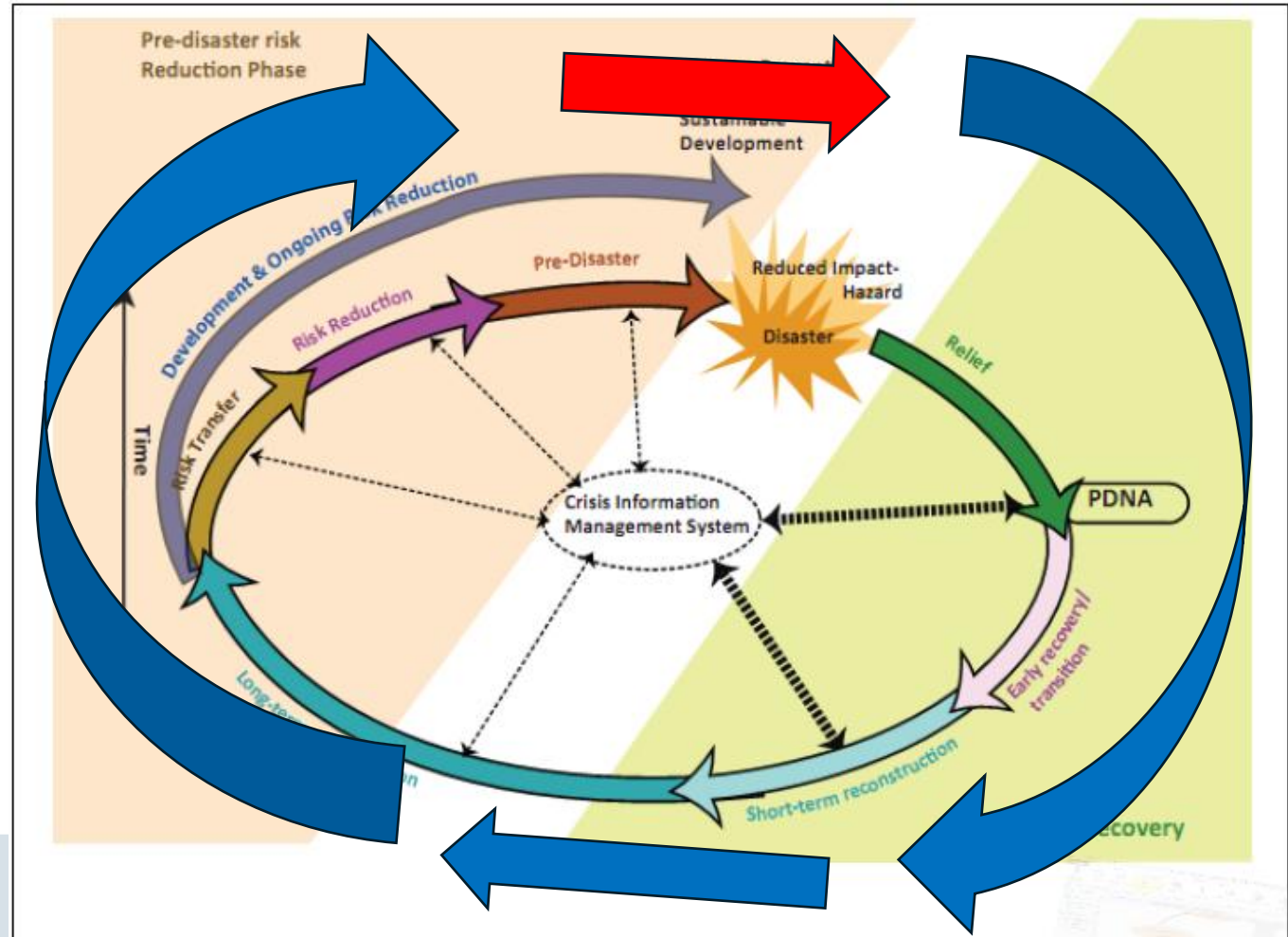
The current European climate tools available give relevant insight in the large scale tendencies on these water related issues, but are too generic (but serve as relevant boundary conditions) for local and operational management.

With WISE we can complement these existing services and support local operational measures in the context of national and European frameworks of adaptation and mitigation



WISE project focus on water intelligence in the pre-disaster phase supporting Resilience (too dry/wet)

Water Management (regular = blue) supported by space based unique water/climate information/intelligence for climate related crisis challenges (red) for different sectors in rural/urban areas (Floods, droughts/Fires, Infrastructure risk assessment & impact)





Climate challenges & Hydrology



The overarching challenge is to control & manage our

'soil-water-vegetation'
system

to prevent extremes &
improve water distribution



WISE service portfolio to be delivered in general

The WISE basic Solution Direction (TRL8), 90% for all 5 representative use cases (Urban/Rural):

- Regular (daily) **Monitoring Soil-Water-Vegetation (SWV) conditions** in general (core product)
- Production (daily) intelligence **on Risks** (as a consequence of too wet/dry) per **sector**
- **Climate hindsight, forecast SWV** (2 decades) based on EU defined Climate scenarios (tbd)

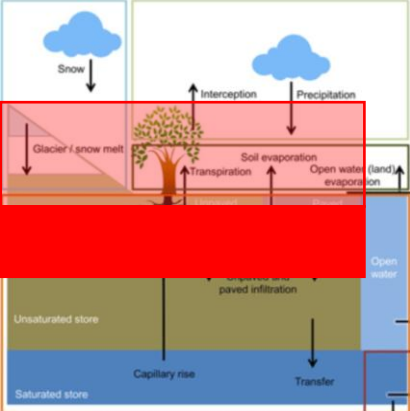
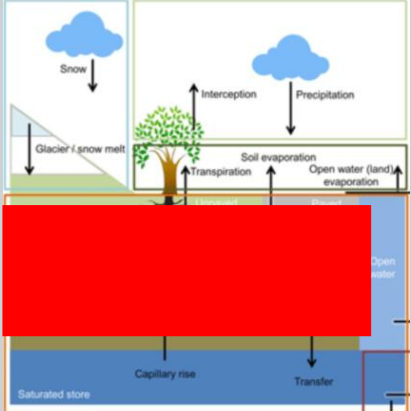
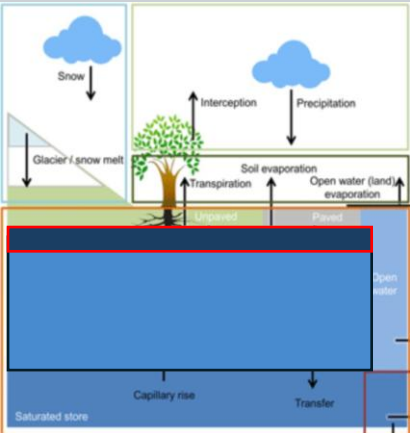
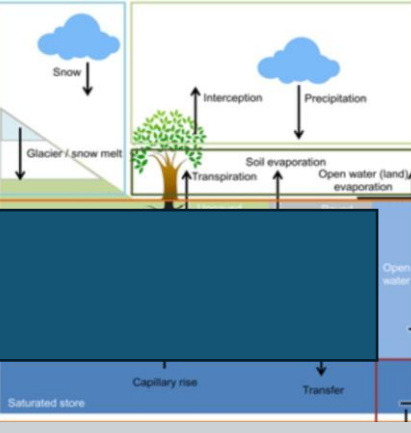
On top of that specific RS apps related to above (10%):

- Problem Specific user/sector problem with RS – based solutions per representative usecase-related to local extreme SWV conditions





Soil-moisture-vegetation conditions are central !!

	Fast Onset	Slow Onset
Too Dry	 <p>Dry (top) Soil & vegetation biomass</p>	 <p>Structural dry soil matrix</p>
Impact	Wildfires (Dry Veg), Heat Islands	Subsidence infra/rural(Peat, Clay), agric/nature losses
Too Wet	 <p>Top soil or whole matrix saturated</p>	 <p>Structural wet soil matrix</p>
Impact	Runoff/flooding/erosion/etc	LT inundation/Crop/Veg/infra damage



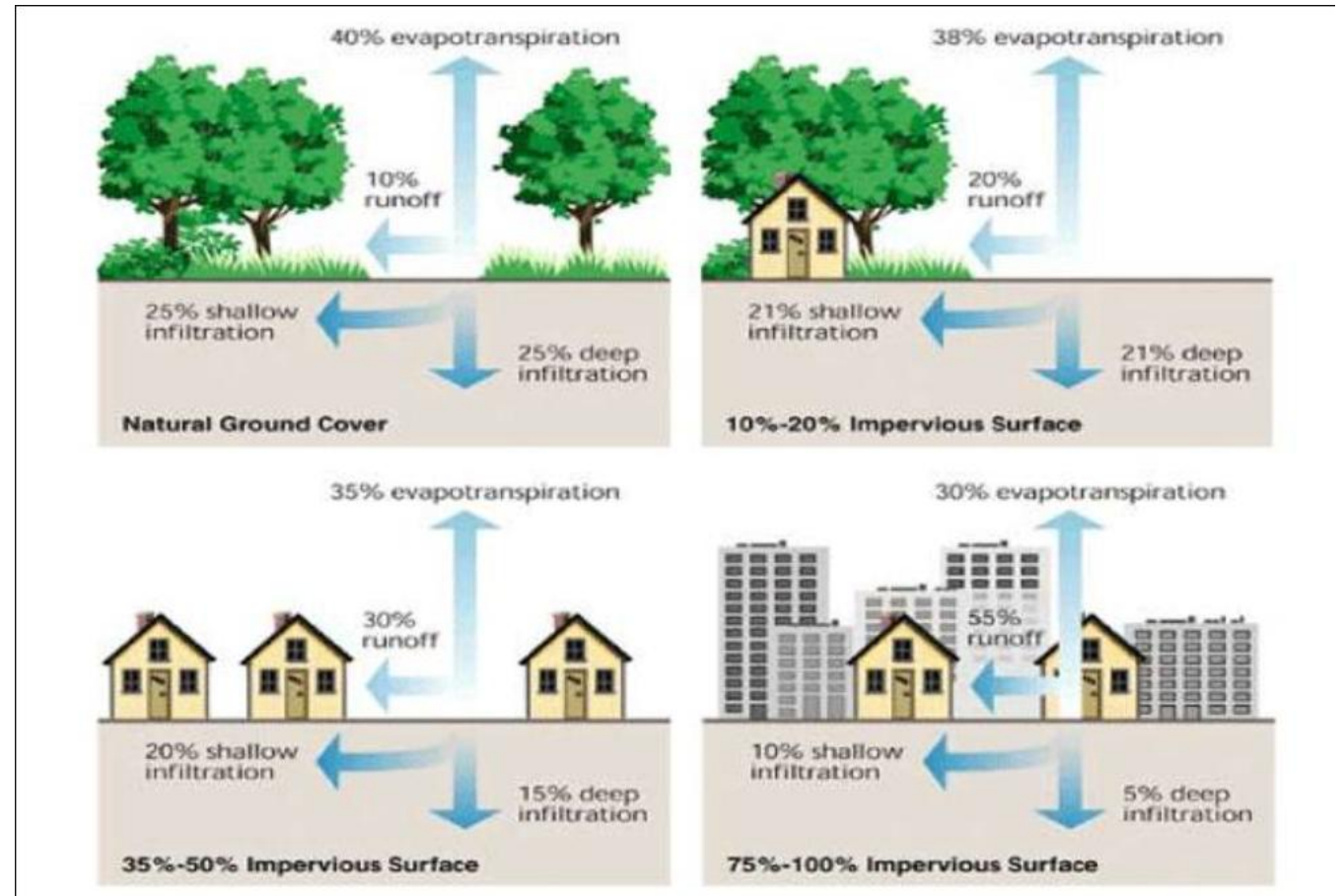
Urban water management vs Rural

To show the difference in urban area with natural area (*):

- Infiltration (shallow/deep)
- Evapotranspiration
- Runoff component

(*) Impervious surface (also in Copernicus) definition:

Impervious surfaces are mainly artificial structures—such as **pavements** (roads, sidewalks, driveways and parking lots, as well as industrial areas such as airports, ports and logistics and distribution centres, all of which use considerable paved areas) that are covered by **water-resistant materials** such as **asphalt, concrete, brick, stone**—and **rooftops**. **Soils compacted** by urban **development** are also highly impervious.





Urban Drought (N Europe)

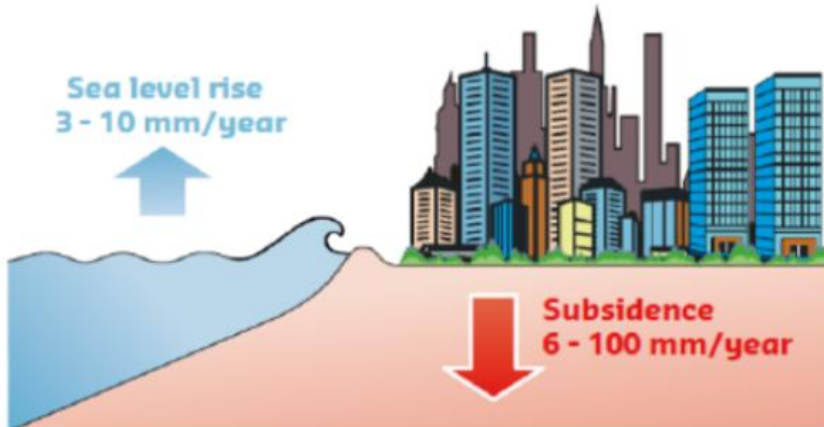


Climate change

- Accelerated sea level rise
- Extreme weather events

Socio-economic development

- Urbanization and population growth
- Increased water demand



Impacts

- Increased flood risk
- Damage to buildings, infrastructure
- Disruption of water management

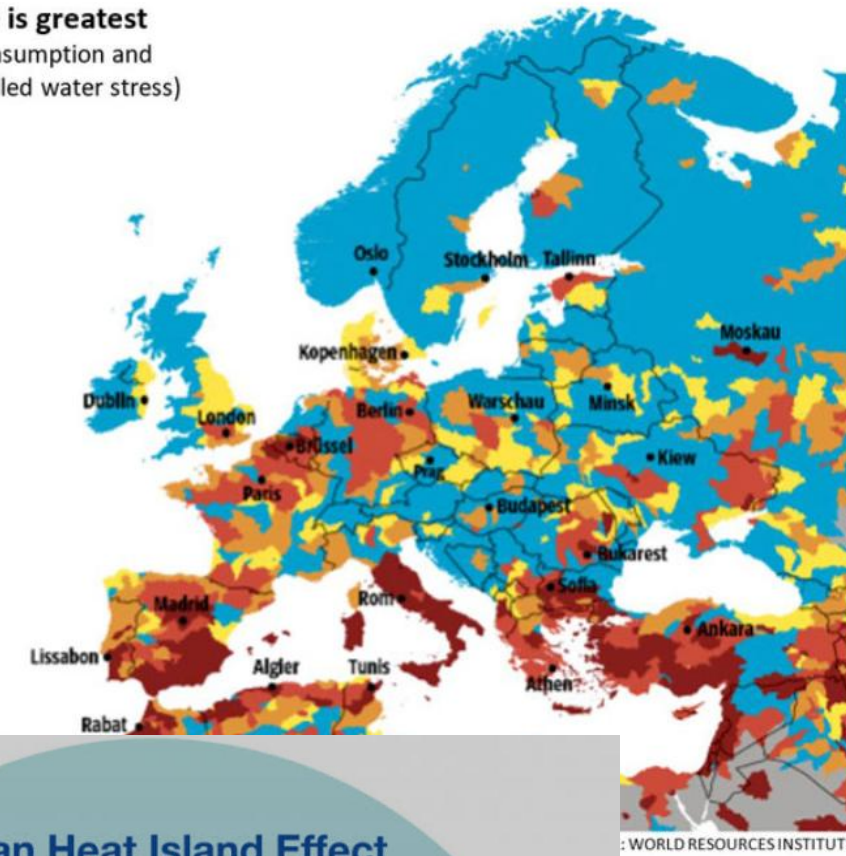
Causes

- Groundwater extraction
- Oil, gas, coal mining
- Tectonics

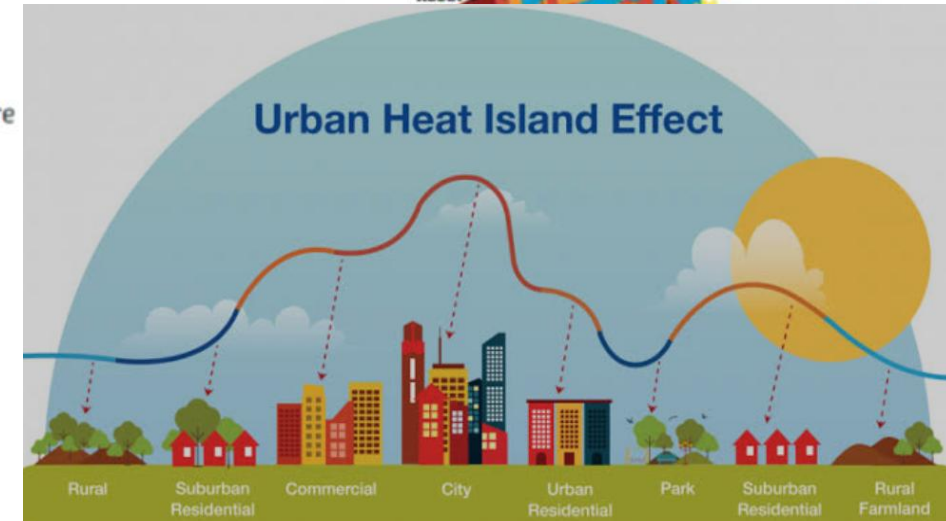
Where the shortage is greatest

Ratio between water consumption and existing resources (so-called water stress)

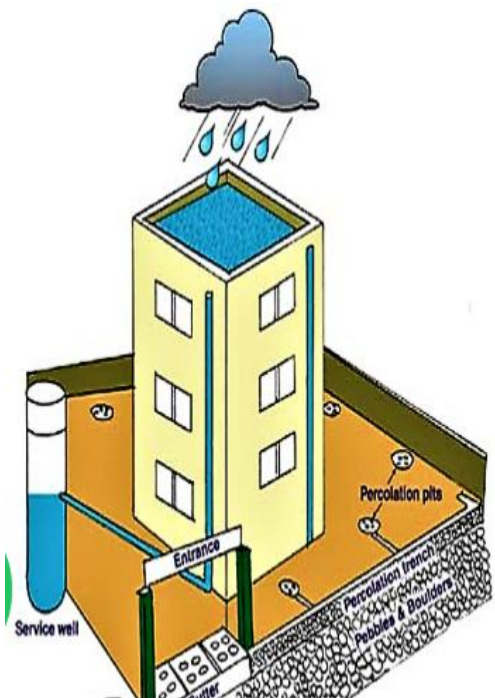
- Low stress level
less than 10%
- Low to average
10 to 20%
- Average to high
20 to 40%
- Very high
40 to 80%
- Extremely high
more than 80%
- Water-scarce areas, low water consumption or no data



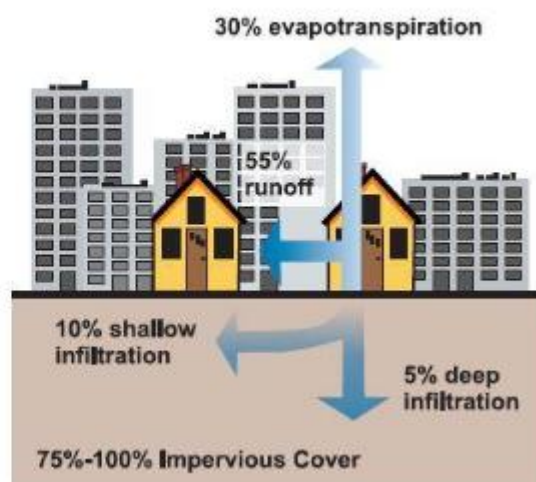
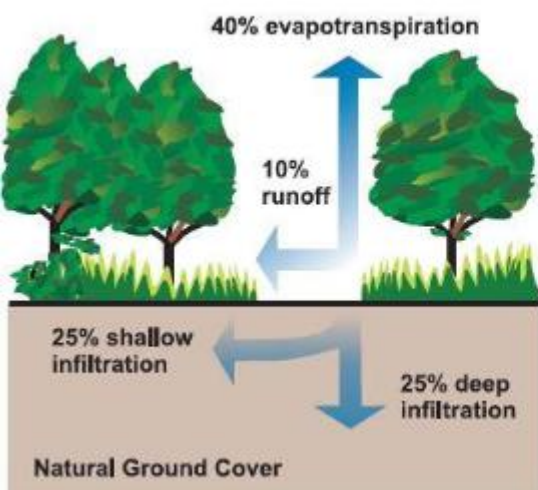
: WORLD RESOURCES INSTITUTE



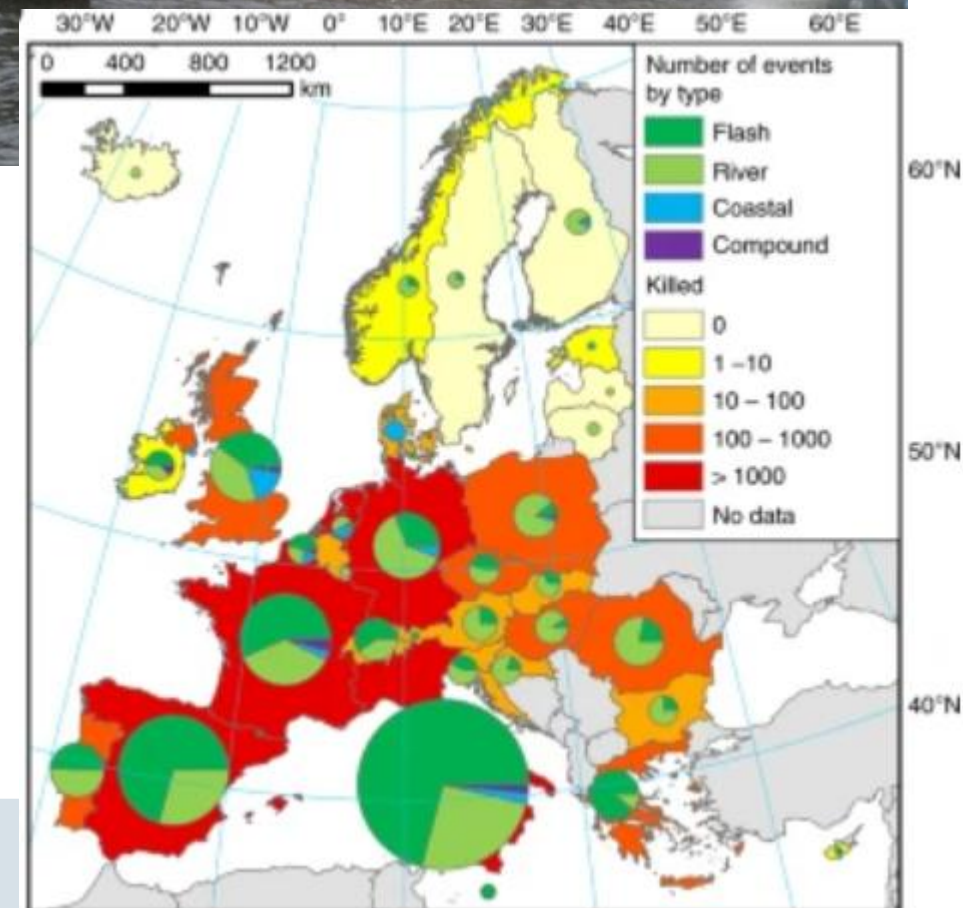
Drivers, processes and impacts of land subsidence in coastal cities. Land subsidence can exceed global absolute sea-level rise (SLR) with a factor 10.



Urban Flooding NE Europe



Total number of flood events and fatalities (unadjusted, reported values) between 1870 and 2016, by country. Source of data: HANZE database

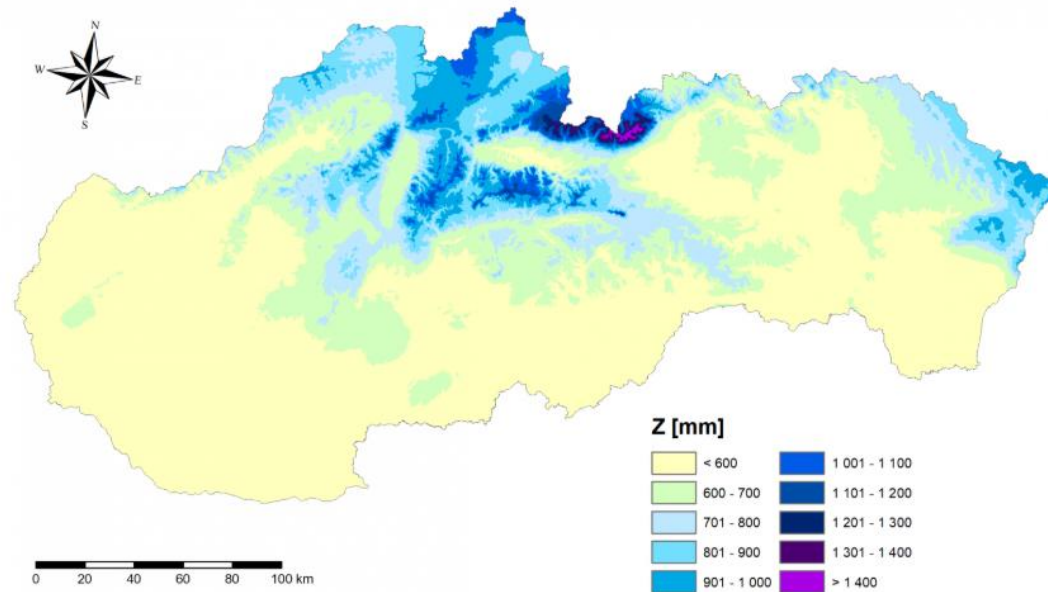




Rural Drought (Center of Europe)



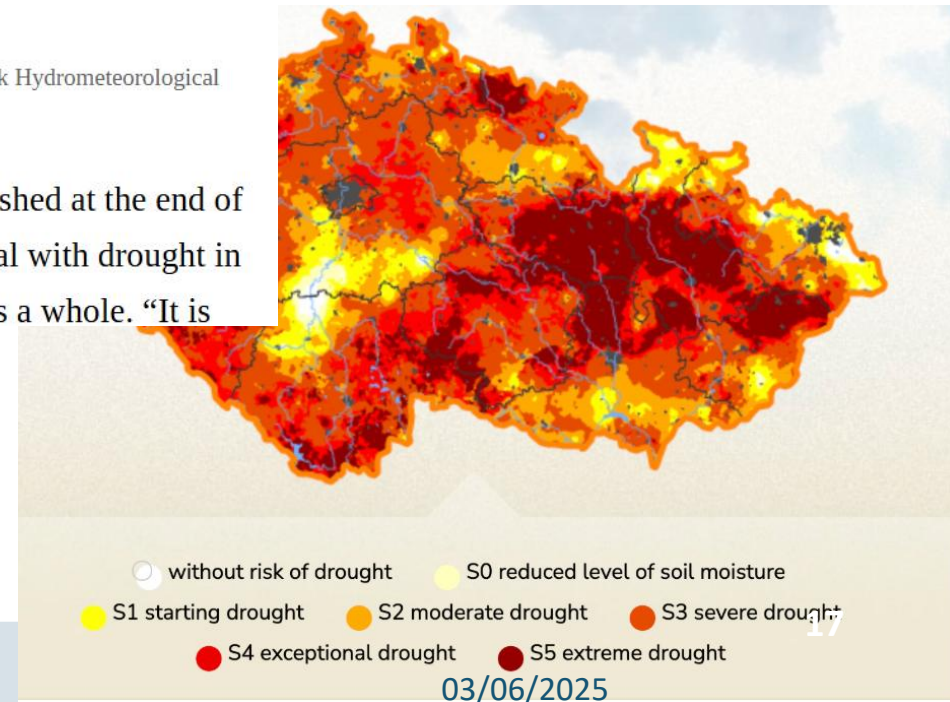
KalmthoutseHeide (B)



Annual total atmospheric precipitation [mm] in Slovakia in 2022. Source: Slovak Hydrometeorological Institute (SHMÚ)

In spite of this, a [report](#) by the Supreme Audit Office published at the end of 2021 found that Slovakia is not sufficiently prepared to deal with drought in order to eliminate threats to the environment and society as a whole. “It is

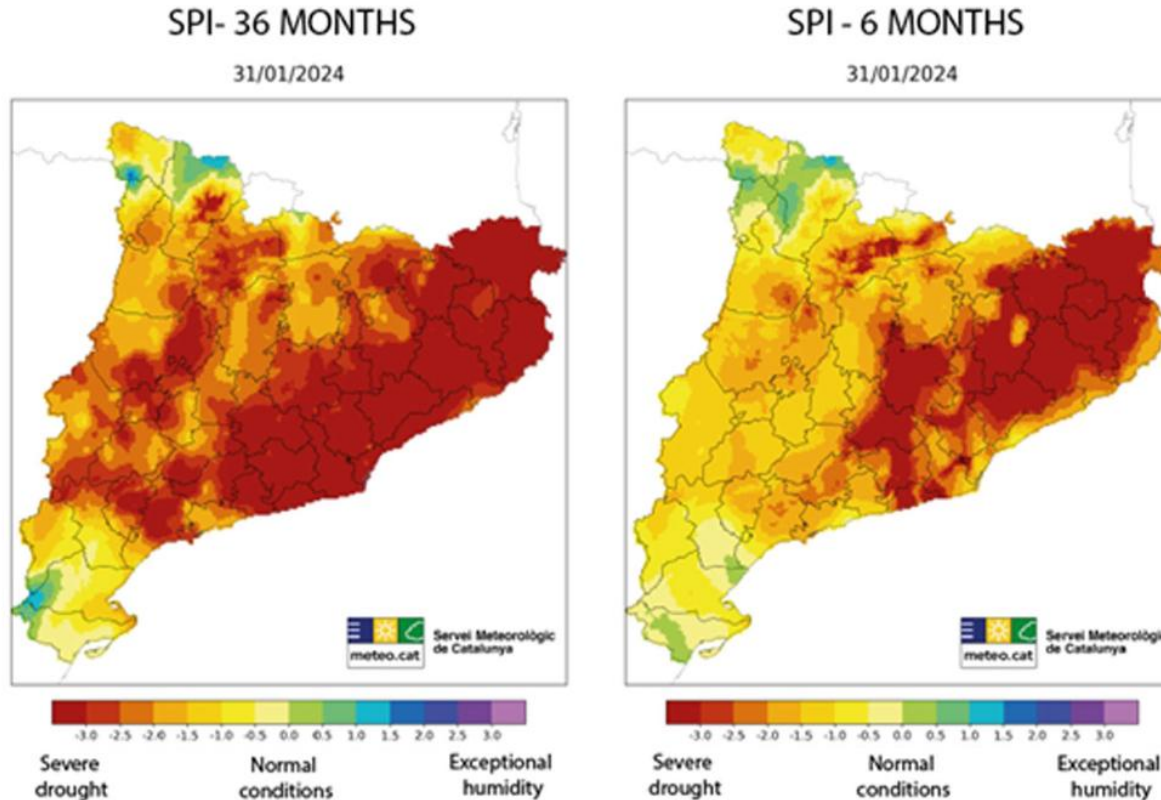
Water
distribution
problems



All degrees of drought strength and their spatial representation within the Czech Republic during week 28 of 2022. Graph: Intersucho



Rural Drought in South Europe



The map on the right illustrates the SPI over a 6-month interval for Catalonia up to January 31, highlighting the low soil moisture levels attributed to drought conditions.

On the left, the SPI is depicted over a 36-month period (three years), offering insights into the diminished water levels in aquifers, reservoirs, and rivers due to decreased rainfall.

Source: [Meteorological Service of Catalonia](https://www.meteo.cat)

The SPI indicator shows the anomalies (deviations from the long-term mean) of the observed total precipitation, for any given location and accumulation period of interest. The magnitude of the anomaly is a measure of the severity of a wet (positive anomaly) or dry (negative anomaly) event.



Monitoring climate challenges in Europe by developing Earth observation based 'Soil-Water' information services enabling better local urban & rural hydrological management

European examples of climate soil-water issues addressed

to prepare a unique 'soil-water' message !

Funnel the use cases by analysis of needs of the Buyer/User community

Spectrum of requirements are analyzed from organization functions (regular & crisis processes) into information needs towards technical specs as input to the procurement process

Interaction BUYERS & USERS





Functional Requirements analysis (General)

- **Urban Regular:** Management/measures: water, infra, green, heat, energy, etc
- **Urban Crisis:** Risk reduction/measures, Risk priorities/crisishandling
- **Urban Climate:** Evaluation/measures (LT), adjustment/hindsight, scenario/forecast

- **Rural Regular:** Management/measures: water-soil, nature, agriculture, etc
- **Rural Crisis:** Risk reduction/measures, Risk priorities/crisishandling
- **Rural Climate:** Evaluation/measures (LT), adjustment/hindsight, scenario/forecast

What can PCPWISE do for you?

Instruments for enhanced climate resilience

The Challenge

Water-related crises fueled by climate change (flooding, wildfires, droughts, degraded water quality, soil subsidence) are calling for urgent governments' response.

The Levers

Pre-Commercial Procurement Environmental Observation data Climate adaptation policies and strategies

The Solution

A smart, versatile and cross-border soil-water-vegetation intelligence warning, management and monitoring systems for both rural and urban areas tailored to end-users' needs.

Northwest & Central Europe

Rural Drought

These regions are dealing with rural problems related to extremes in local climate variations (intensive rainfall) and enduring drought periods having impact on seasonal processes in agriculture/nature and excesses like wildfires and production losses or even failure. Here as opposed to South of Europe it is in general not structural lack of water availability but more a distribution problem of water

Northern Europe

Rural Drought & Flooding

Dealing with rural problems due to extremes in low and high (or so-called shallow) groundwater conditions resulting in all kinds of problems for the land use, city council infrastructures, utility sector. A common issue is that due to subsidence and uprise of the soil surface during the season (high fluctuations in height difference, hysteresis) and over the years/decades (structural lowering of soil surface). These (extreme) soil moisture conditions in particularly peat (combined with clay/sand) profiles can cause organic oxidation processes and even underground peat fires!

Southern Europe

Rural Drought & Flooding

Dealing with rural problems related to extremes in local climate variations (intensive rainfall) and enduring (structural/over the years) drought periods in the Southern European regions having impact on seasonal processes in agriculture/nature and excesses like wildfires and production losses or even failure

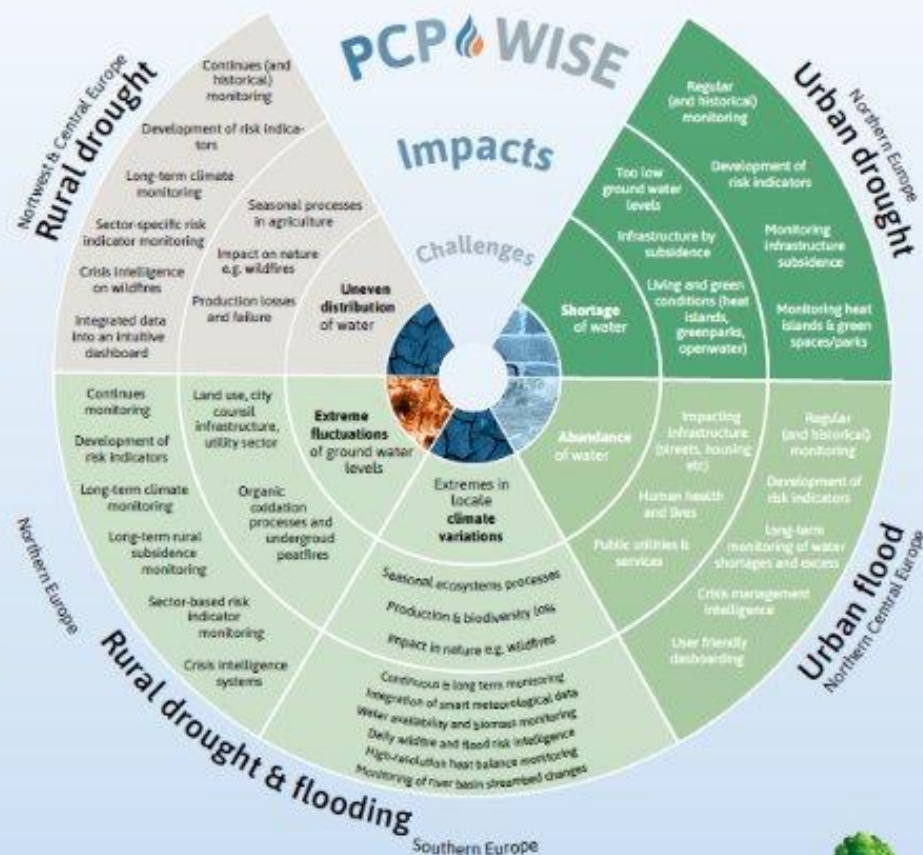
Urban

Rural

Floods

Fires

Enduring droughts





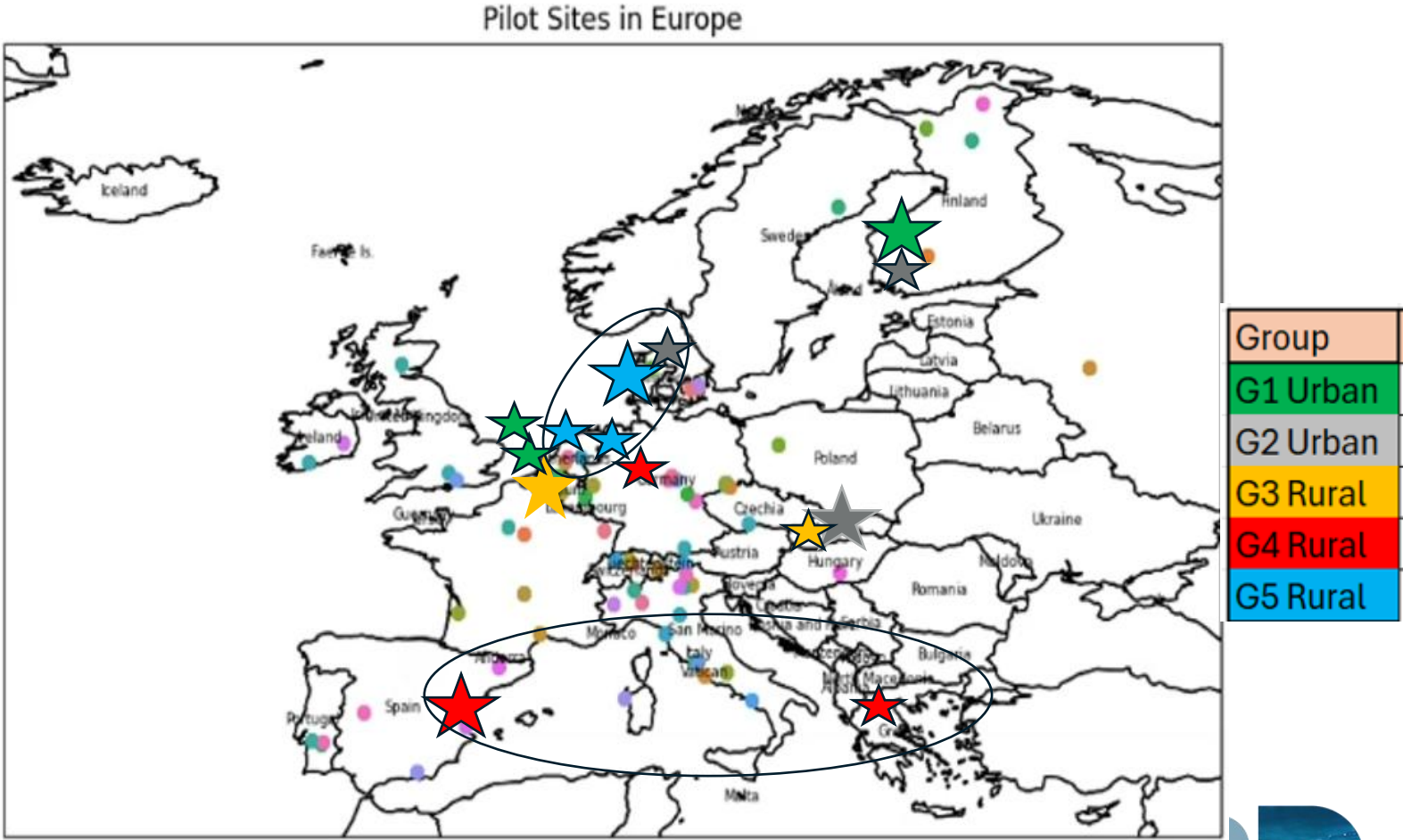
Urban and Rural usecases (Flood & Drought) 5 groups

Urban		Rural	
G1: Helsinki (F)	D & F	G3: Kalmthout (B/NL)	D
Rotterdam (NL)	D & F	Danube Bratislava Area (Sk)	D & F
Haarlem (NL)	D & F	G4: Catalunya (Sp)	D
G2: SK:Bratislava Slovakia (SK)	F	Central Macedonia (G)	D & F
Helsinki (F)	F & D	G5: Lemvig living Lab (Dk)	D
Lemvig, (Dk)	F	HDSR-Utrecht (NL)	D
Lower Saxony (G)	F	Lower Saxony (G)	D

BUYER/user sites & European Groups & WISE coverage

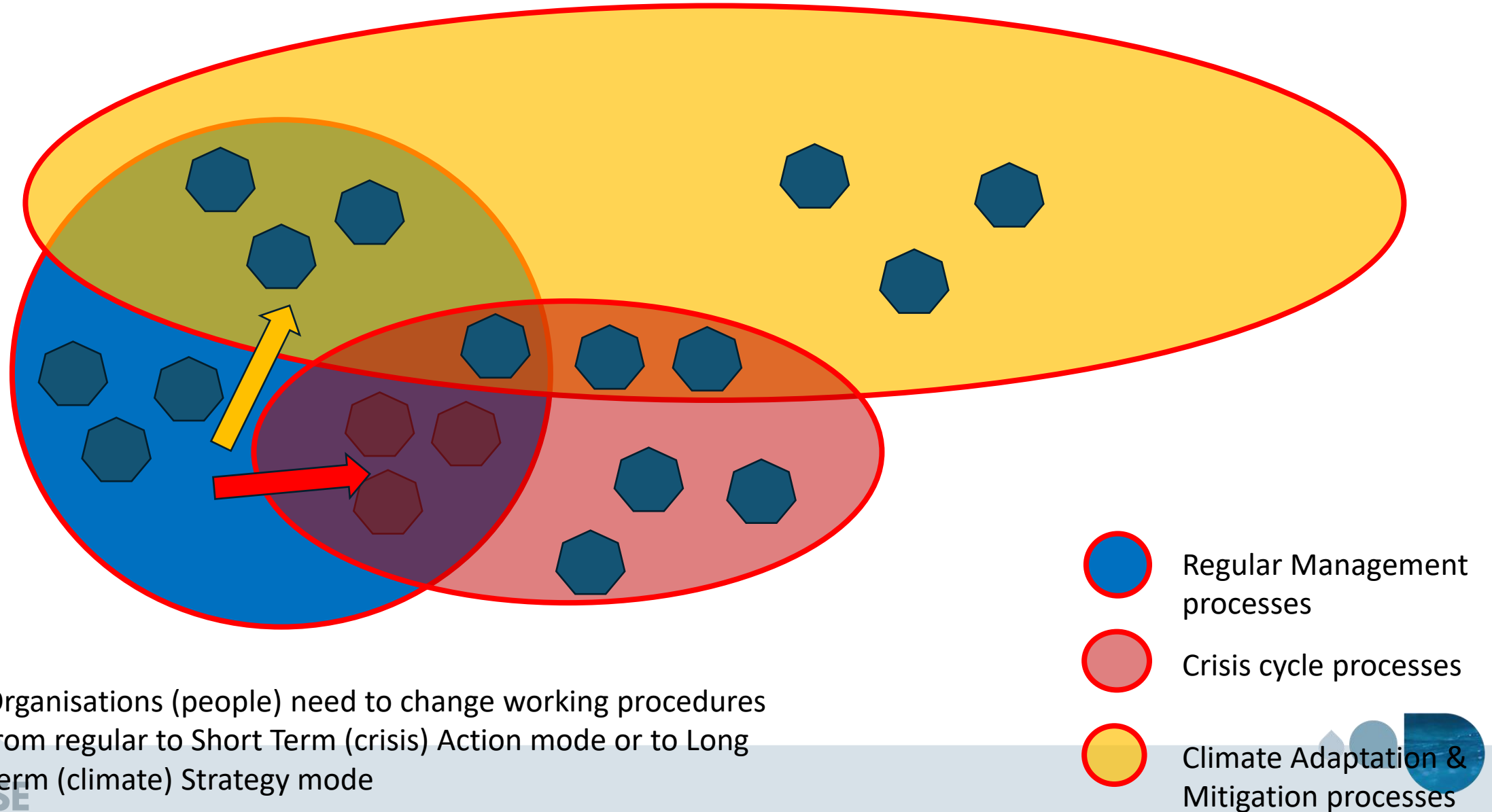


Group-Lead site: Local & Regional scale (red) Insitu (buyers, international)
Group Partners site (Green): No validation but extended area monitoring by market service





Sensemaking (Modii Operandi) PCP-WISE Users



Organisations (people) need to change working procedures from regular to Short Term (crisis) Action mode or to Long Term (climate) Strategy mode



Information Requirements analysis (General)

- **Urban Regular:** Soil matrix/groundwater conditions (monitor), short term forecast, specific apps on subsidence, heat islands (evapotranspiration), park/green monitor, waterstorage
- **Urban Crisis:** spatial (weighted) riskmapping (sector limits)
- **Urban Climate:** Historical Trends, input to long term forecast/scenarios
- **Rural Regular:** Soil matrix/groundwater conditions (monitor), short term forecast, specific apps on agriculture, nature
- **Rural Crisis:** spatial (weighted) riskmapping (sector limits)
- **Rural Climate:** Historical Trends, modelbased inputs to long term forecast/scenarios



PCP-WISE information service for user support

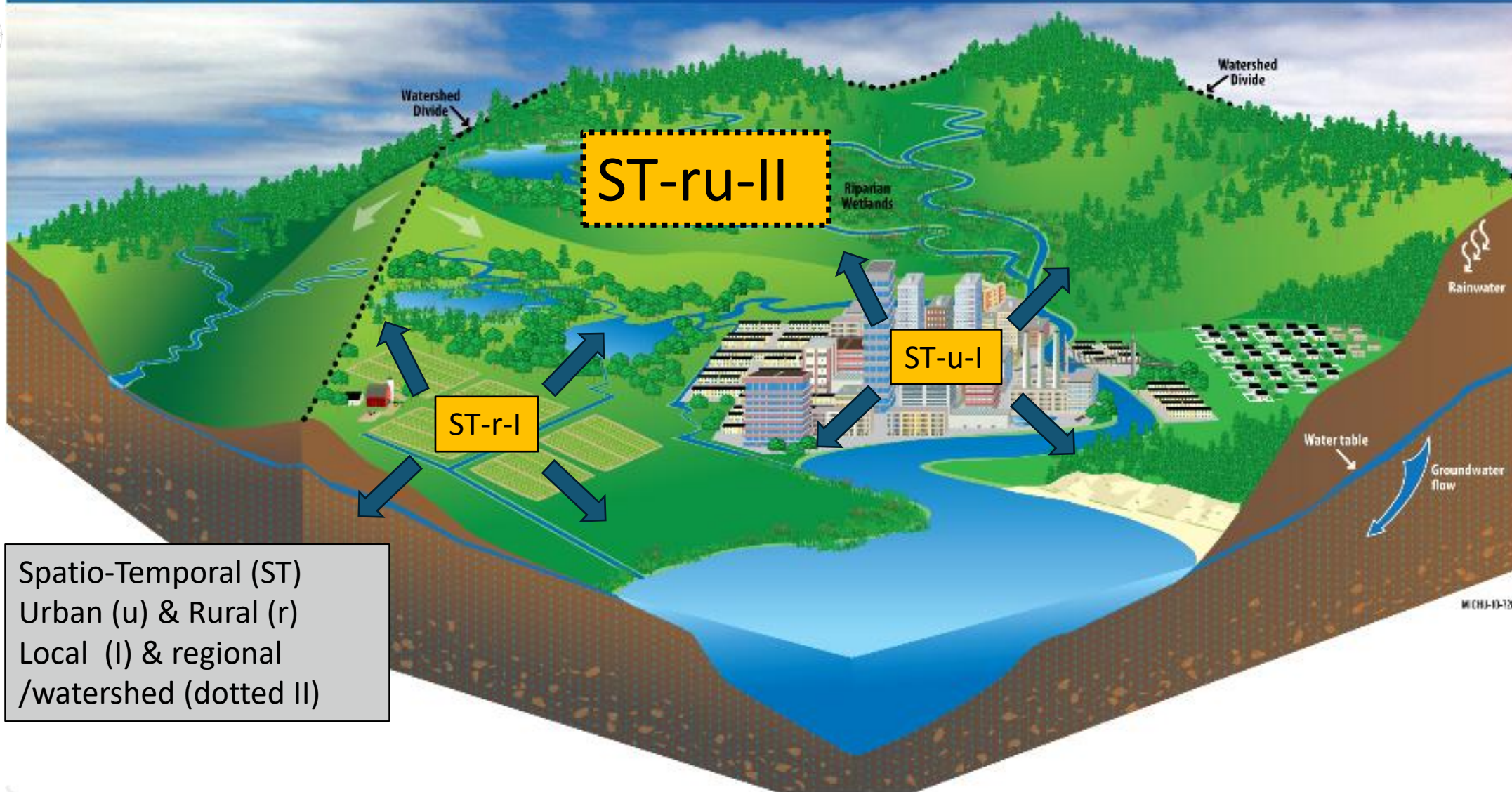
The user requirements have led to a definition of WISE services in order to:

- Develop **actual local insights** in the soil-water-vegetation system conditions for managers (water, city, nature, agriculture, defense, etc)
- Develop a **European wide standard approach** to be applied in various regions and (climate) conditions
- Develop therefore an **interoperable** service for mutual insight between different sectors, regions (cross admin/country border)
- Develop a day-to-day monitoring system of these local SWV conditions, which is a basis for **anticipation to the impacts** of extreme situations (too dry/wet) and with that to develop risk reduction indicators per sector
- As for fast onset crisis management also slow onset climate induced problems on the long term can be tackled building an archive for developing **(decadal) hindsight and forecast** services (based on the current defined climate scenarios)
- Starting by developing the service for **ALL 5 representative groups** with different problems



HOW WATERSHEDS WORK

Spatio-temporal scales of sites to be tested and demonstrated



Spatio-Temporal (ST)
Urban (u) & Rural (r)
Local (I) & regional
/watershed (dotted II)



After general requirement analysis: Problem (spatio-temporal) scales in groups to be **demonstrated by WISE Services**

Spatial Scale:

- **Lead testsite** representing the problem area/issues per group (**local scale = Scale I detail 1m to 10m or best available detail**)
- Context of the **Lead testsite** with (in)direct impact on the problem area (watershed/regional scale = **Scale II, detail 100m**)
- **Groups/all partners** with their problem area in watershed region (**Scale II, detail 100m**) non-validated

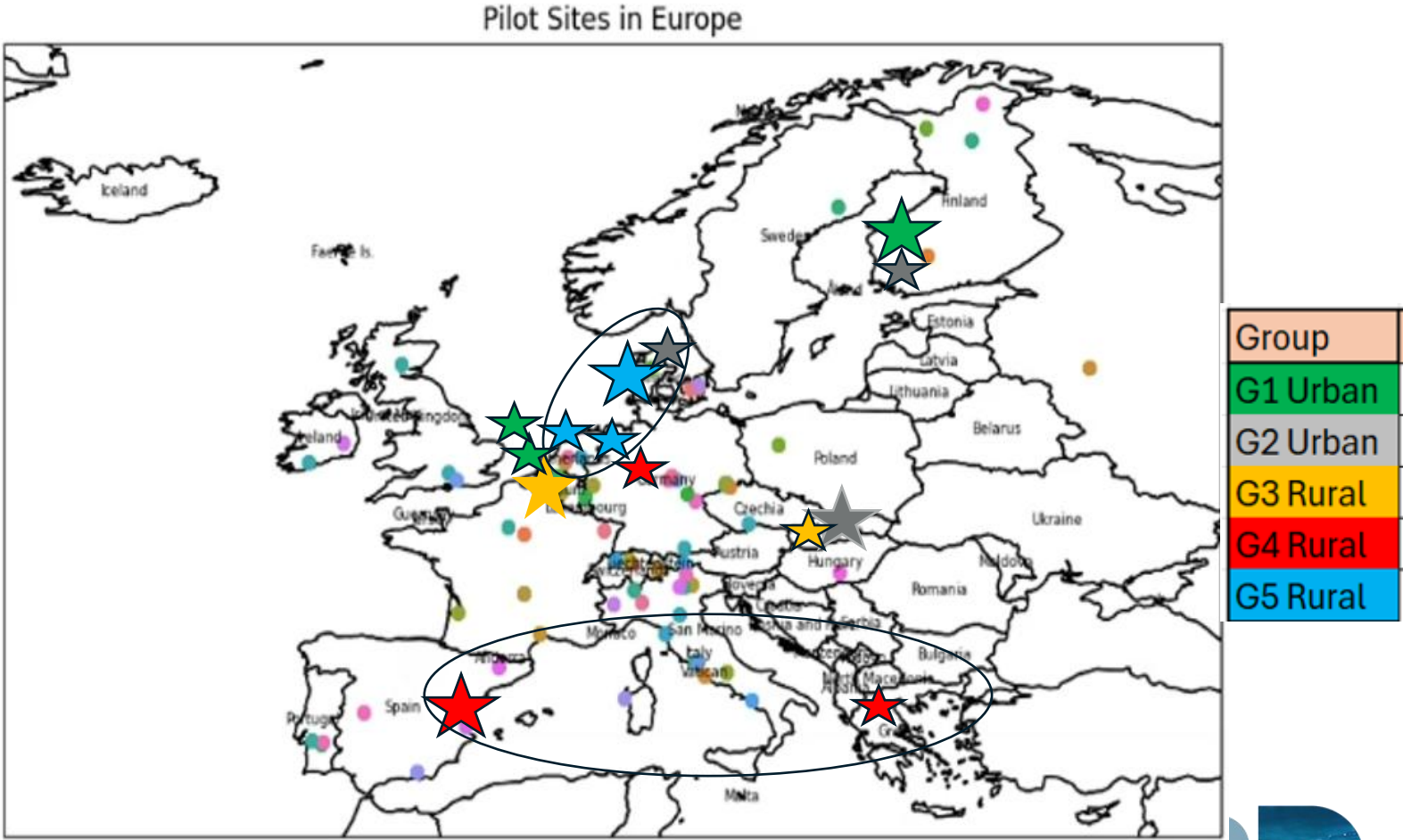
Temporal Scale:

- **Lead testsite** (scale I): **Within season** process (daily) monitoring of water balance (ST- period and 3 day forecast)
- **Lead testsite** (scale II): **Historical trend** (20 years, daily) and **climate scenario based forecast** for next 20 years (LT – period)
- **Groups/all partner** testsite (scale II): **Within season** process (daily) monitoring of water balance (ST- period and 3 day forecast), non-validated (LT-period).

BUYER/user sites & European Groups & WISE coverage (incp



Group-Lead site: Local & Regional scale (red) Insitu (buyers, international)
Group Partners site (Green): No validation but extended area monitoring by market service





Hydrological Interoperability in PCP-WISE

Market solutions & User Reception

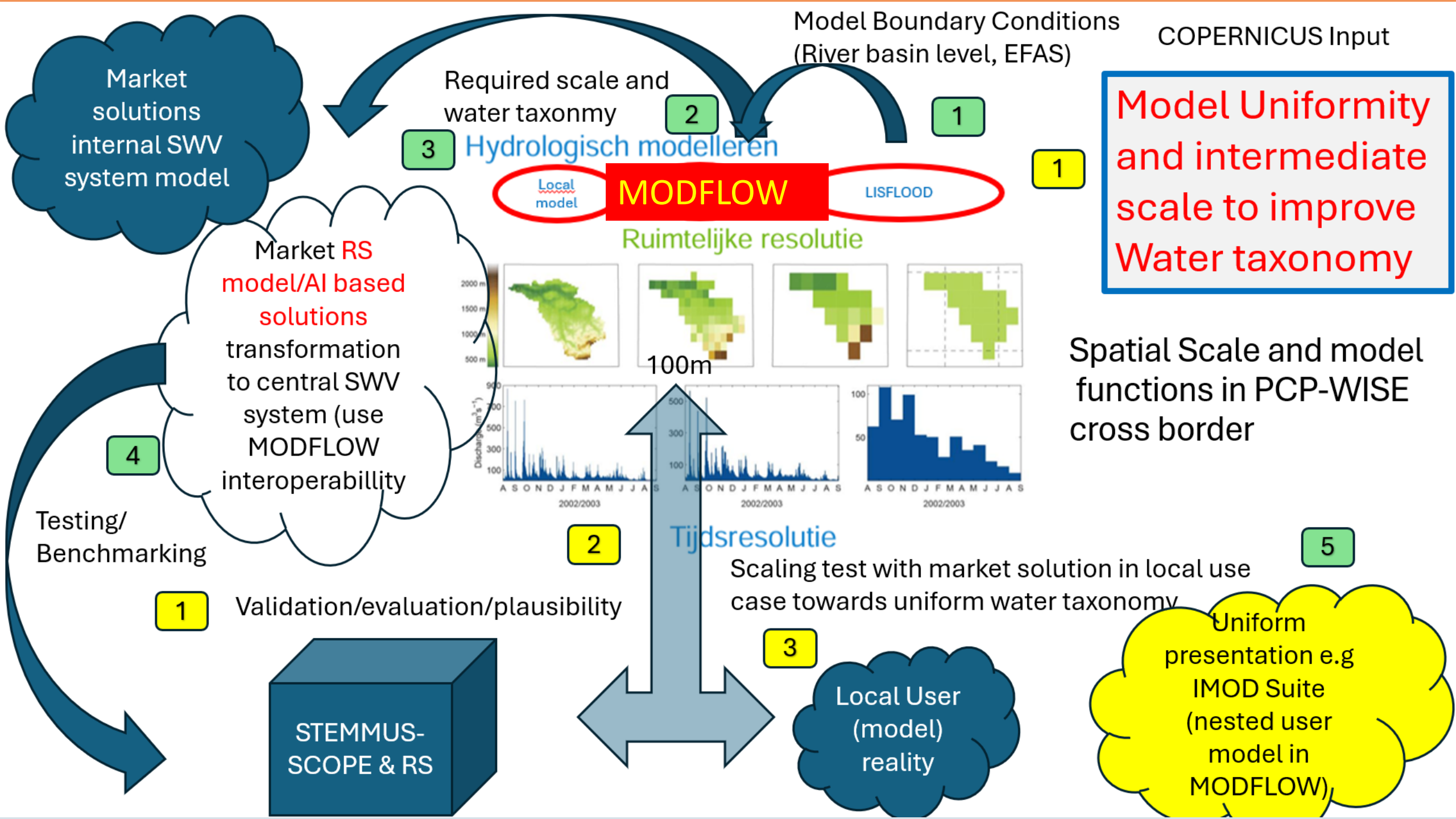
1. Interoperable between **suppliers & users** within the Project PCP-WISE:

In order to create a bridge between the supply & demand we need to have an intermediate hydrological representation and **representative generalisation of the soil-water-vegetation** conditions of our local region/management area

2. Interoperability in the **validation process**, where local hydrological insights (of sites of users) can be compared to market solutions (WISE)

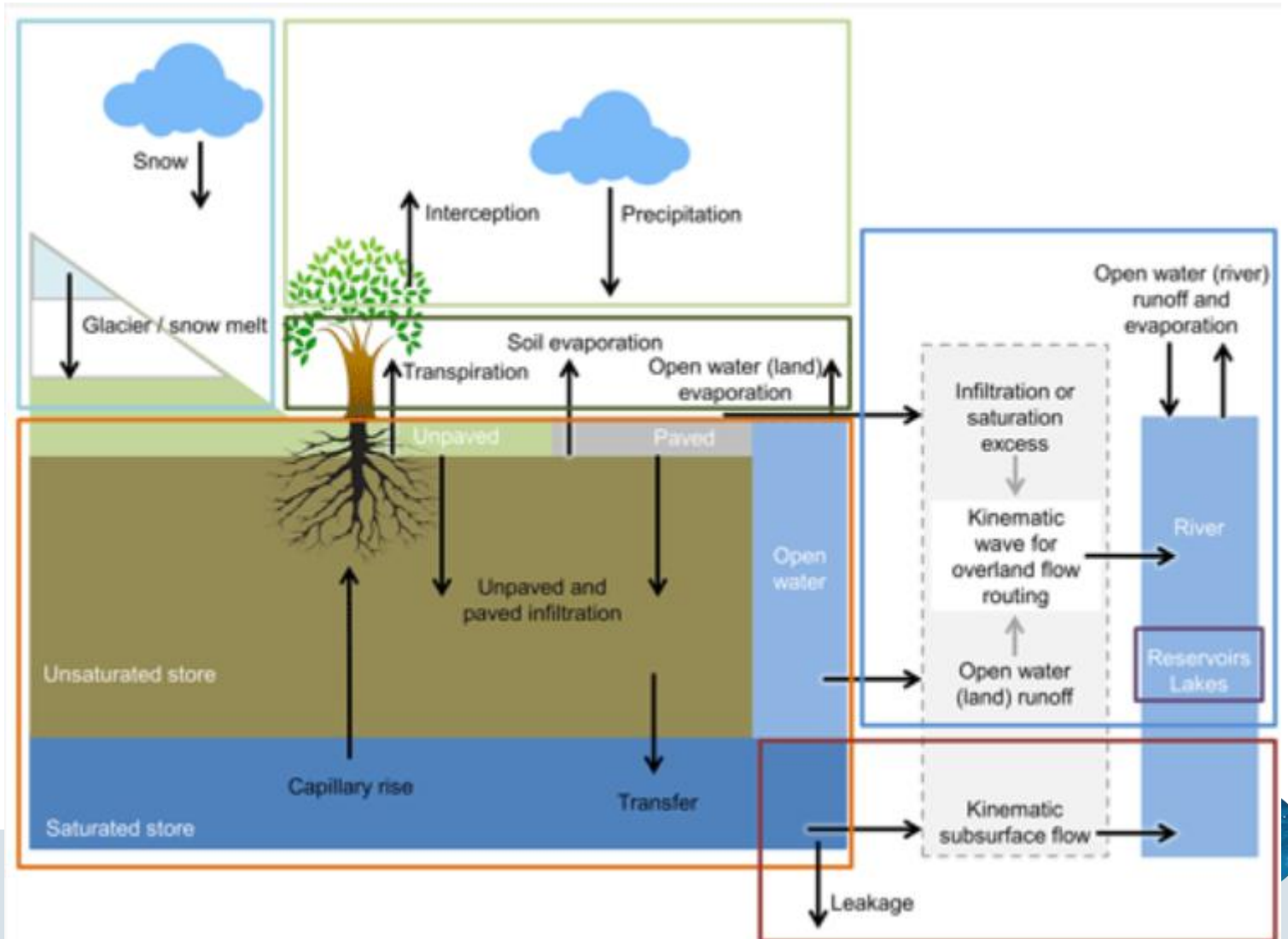
3. Interoperability between **users & stakeholders (in challenges)** within the PCP-WISE project within the same riverbasin or across (admin management or country) borders

4. Creating/developing a common **future water taxonomy on European scale**, linking to Copernicus (e.g. EU-HYDRO)



WFLOW_SBM enables MODFLOW hydr modeling

- <https://gmd.copernicus.org/articles/17/3199/2024/>
- <https://www.deltares.nl/en/software-and-data/products/wflow-catchment-hydrology>





• wflow - Catchment Hydrology

Water managers need insight into the available water resources within their catchments in both the short and long-term, especially in the face of climate change. Whilst at the same time struggling with a lack of reliable data, wflow enables users to simulate all catchment hydrological processes even in data scarce environments. Thus empowering them with the information and knowledge about their water resources and climate risks, and leading to smarter planning.

wflow was developed to address several challenges that hydrological modellers face. This includes the need for complete source-to-sea hydrological analysis using gridded topography, soil, land use and climate data, to calculate all hydrological fluxes at any given point in the model at a given time step. As well as the need for easier model building by maximizing the use of open earth observation data.

wflow is also specifically designed to support the modelling of complex systems and problems by coupling it with other software such as:

- [Delft-FEWS](#) for flood forecasting
- [D-Flow FM](#) of the [Delft3D FM Suite](#) for river, sediment and flood modelling
- [D-Emissions \(DELWAQ\)](#) of the Delft3D FM Suite for emissions modelling
- MODFLOW 6 of the [iMOD Suite](#) for groundwater modelling
- [RIBASIM](#) for water allocation modelling





MODFLOW Functions essential for PCP-WISE

MODFLOW for PCP-WISE has the following functions:

1. MODFLOW as **interoperability tool** between suppliers and customers (BUYERS/USERS) for describing groundwater and hydrology (soil-water) conditions)
2. MODFLOW as (obliged tender demand) wrapping paper for **'wrapping' the solutions** of the providers (consortia) from their own technical modeling/AI/processing environment
3. MODFLOW (IMOD-suite) as **comparison/analysis tool** between LOCAL hydrology models and soil-water conditions (at USER test/measurement site) and solutions from suppliers
4. MODFLOW as **presentation tool** (dashboard)
5. MODFLOW as **exchange tool** between validation team and suppliers for evaluation with the STEMMUS-SCOPE.



Why MODFLOW for PCP-WISE?

The reason we choose for MODFLOW is because

1. it is a **commonly/globally used hydrological model** and global industrial standard and open to other model systems (e.g. unsaturated zone modeling)
2. it is an established **open source** software package.
3. It is **practical and operational** and relatively easy to use
4. There is currently (to our knowledge) **no suitable alternative** or central accepted comparable hydrology tool available in Europe (we have national individual tools at memberstate level)
5. There is a **Help Desk function** within PCP-WISE team for users & suppliers



PCP-WISE services

- For **all 5 groups** with different problems by **regular** monitoring the SWV conditions and **anticipation** of ST and LT (climate induced) extreme conditions.
- Important to build in different skills and knowledge into the solution by a **multi-disciplinary team** dealing with **rural and urban** issues.
- **90%** of the required WISE service will be focused on the **monitoring of the SWV** and the sector related **risk assessment**
- 10% is dealing with **some specific issues** in urban and rural which are occurring in many regions, like subsidence in delta's of riverbasins, heat stress in cities, etc.
- **Quality, standardisation, interoperability** of service is tested by the WISE team
- The **use of existing European** (standard and monitoring) information is required to be used as prior knowledge or serving as boundary conditions for your local information & service validity



WISE service portfolio to be delivered in general

The WISE basic Solution Direction (TRL8), 90% for all 5 representative use cases (Urban/Rural):

- Regular (daily) **Monitoring Soil-Water-Vegetation (SWV) conditions** in general (core product)
- Production (daily) intelligence **on Risks** (as a consequence of too wet/dry) per **sector**
- **Climate hindsight, forecast SWV** (2 decades) based on EU defined Climate scenarios (tbd)

On top of that specific RS apps related to above (10%):

- Specific user/sector problem with RS – based solutions per representative usecase-related to local extreme SWV conditions





2. PCP WISE process and RFI

Ana Isabel Corvers and Arnoud Gringhuis, het Waterschapshuis

10:35 – 11:00



2.1. PCP WISE process

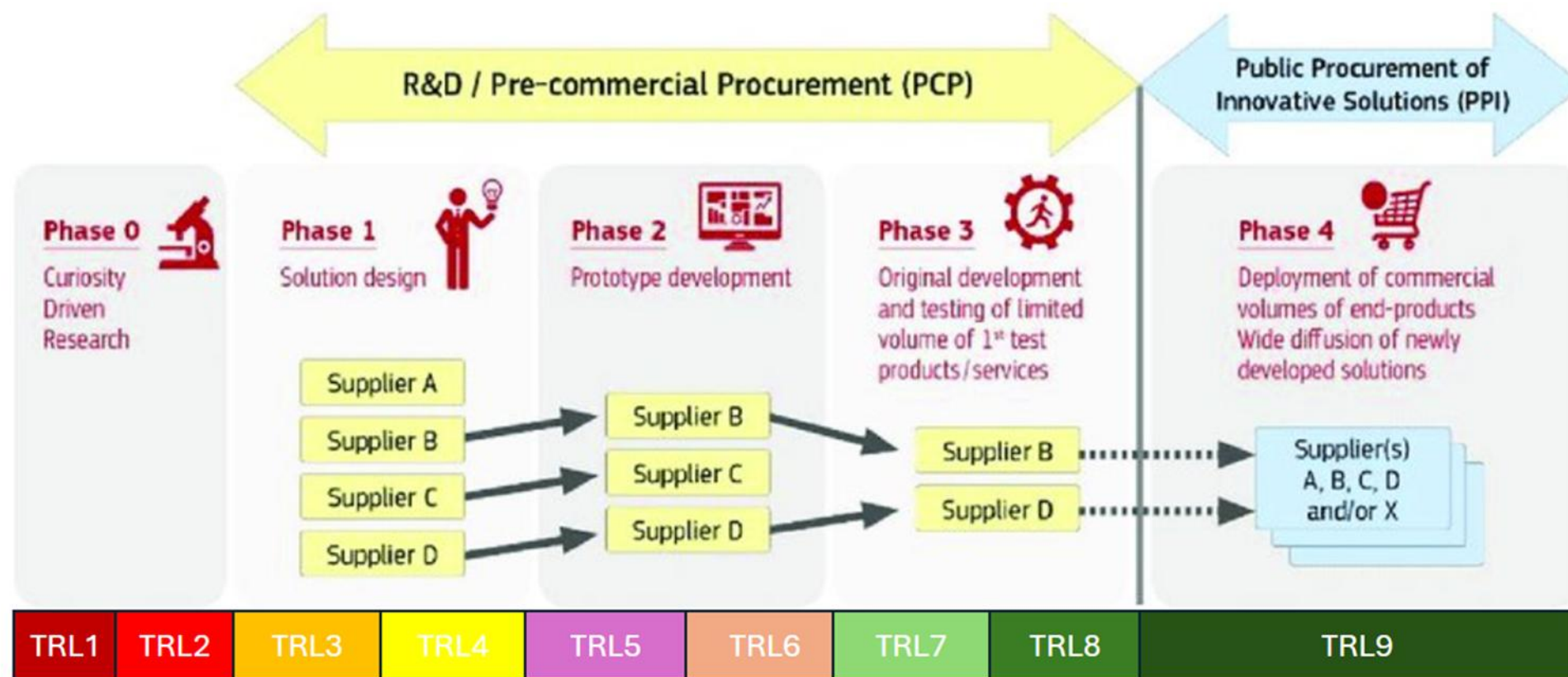
Ana Isabel Peiró Baquedano, Corvers

10:35 – 10:55



Innovation Procurement

Innovation Procurement happens when **public buyers** acquire the **development or deployment of pioneering innovative solutions** to address specific mid-to-long-term public sector needs.





Complementing push with pull R&I policies

Innovation procurement uses public procurement to drive innovation from the demand side.



Innovation procurement

Key benefits for the supply side

- Open up concrete business opportunities
- Speed up time to market for innovations
- Attract investors / scale up internationally
- Create jobs / technological leadership

Innovation Procurement

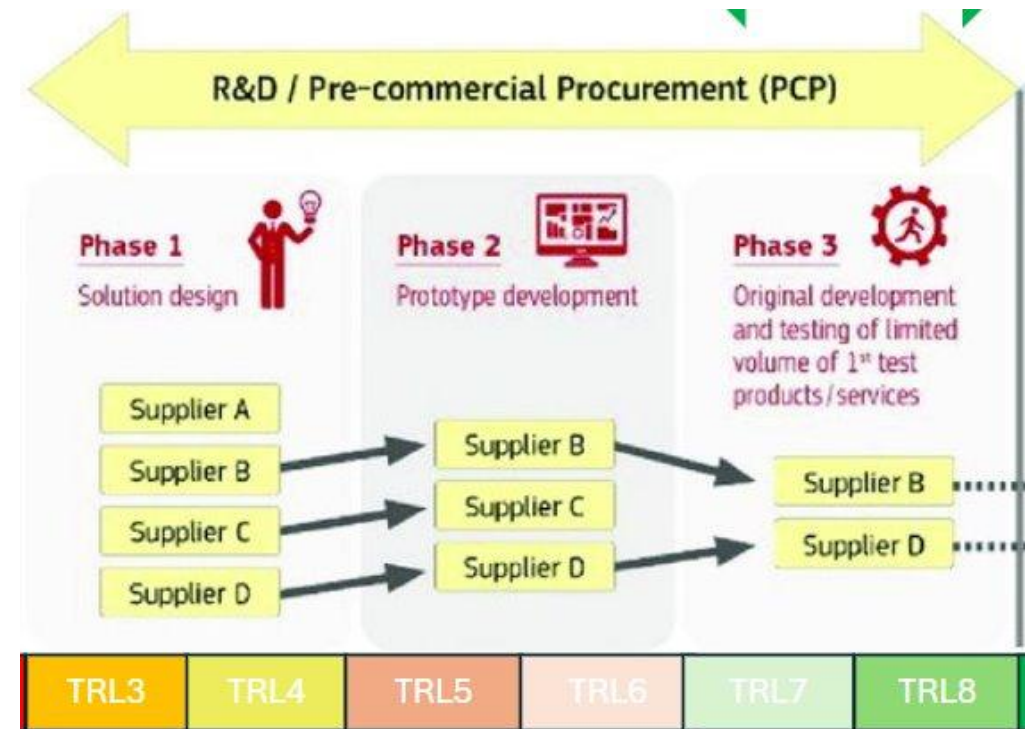
Key benefits for the demand side

- Steer and speed up the development and/or adoption of innovative solutions to:
- Improve quality & efficiency of public services
 - Address wider societal challenges

PCP approach

PCP is a public procurement of Research and Development **(R&D) services** characterized by:

- **competitive** development in **phases**
- **risk-benefit sharing** under market conditions → Public procurer does not pay the full cost of the R&D performed under the contract
- **a clear separation between the procurement of the R&D** from the deployment of **commercial volumes of end-products**

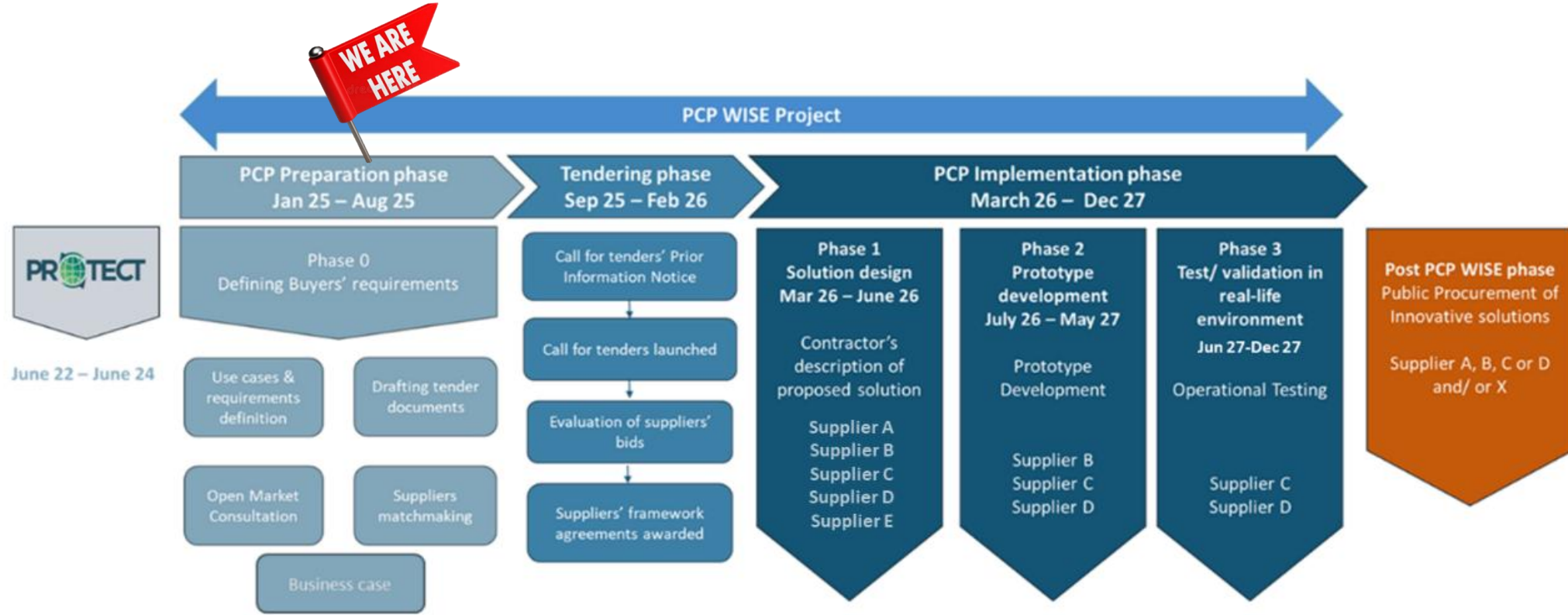


Legal framework for PCP

- **PCP falls outside the scope of the European Public Procurement Directives**
 - Article 14 D. 2014/24/EU, Article 32 D. 2014/25/EU and Article 25 D. 2014/23/EU
 - “this Directive shall only apply to public service contracts for research and development services [...] provided that both of the following conditions are fulfilled: (i) the benefits accrue exclusively to the contracting authority for its use in the conduct of its own affairs, and (ii) the service provided is wholly remunerated by the contracting authority”.
- The **general principles of the TFEU** are applicable.
- Communication from the Commission, “**Pre-commercial procurement: driving innovation to ensure sustainable high quality public services in Europe**”, COM(2007) 799 final, 14.12.2007
- Commission Staff Working Document, Example of a possible approach for procuring R&D services SEC(2007) 1668
- 2022 Framework for state aid for R&D&I

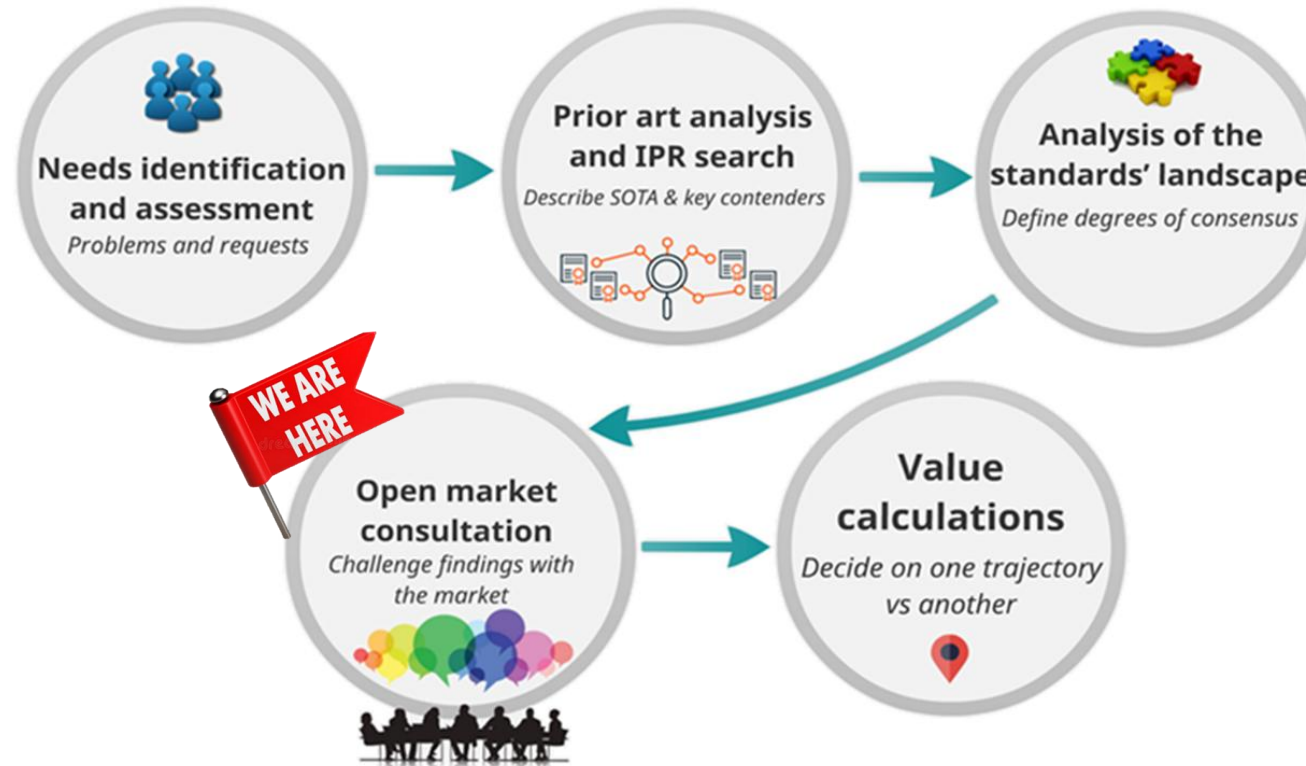


PCP WISE process





PCP WISE preparatory phase





Objectives of the OMC



- Present the **Public Buyers' needs** to the market.
- Validate the findings of the **State-Of-The-Art (SOTA) analysis** and the viability of the set of technical and financial provisions.



- Obtain information on **existing** (or to be developed) **technologies**.
- Provide information on innovation procurements procedures, including topics related to **Intellectual Property Rights (IPR)**.



- Raise **awareness of the industry** and relevant stakeholders (including users) to finetune the tender specifications.
- Facilitate the **buildings of consortia** to participate in the PCP.

The PCP WISE OMC is performed under the law of the Lead Procurer (hWh), which is Dutch law



PCP WISE - OMC target

The OMC aims to understand the **technology providers' capabilities to satisfy the public buyers' needs** and to gather their **input on the feasibility** of the procurement plans and conditions ([see OMC document & Annexes](#)).

Target technology providers and end user working in the fields of:

Civil engineering and management, including upscaling

Hydrology (models, skills, services)

Crisis risk/impact assessment

Remote sensing value-added services

ICT for operational information production (upscaling, back/front-end processing)

'Solution architect' with skills to connect the different data silos.

Legal and contracting (EU standards, AI, IPR, etc.)



OMC

- Voluntary and non-binding

- Not a condition to submit a tender, does not lead to any rights or privileges.

- Not part of a pre-qualification or selection process.

PCP eligibility

Participation is open on equal terms to all types of operators that are established in and controlled from EU Member States or HE associated countries.

I.e., a subsidiary from a third country **established in a Member State of HE Associated country** can be partner in a consortium to submit an offer. A company established in a third country and not established in a Member State or HE associated country can act as a subcontractor. **But not as main contractors.**



[List of Horizon Europe participating countries.](#)



OMC document - RFI

Parties interested in participating in the OMC activities are requested to register to the [e-Procurement platform](#).

After processing and analysing the answers, the PCP WISE consortium will disseminate the results to the widest possible audience in an OMC Report.

All answers provided by market parties will be anonymised and treated as confidential. Only the **general findings and a summary of the answers will be provided.** The results of this OMC will be published on the [e-Procurement platform](#) and the [PCP-WISE website](#) to ensure wide dissemination.



1. Ask questions during the events
2. Questions module in the [e-Procurement platform](#)
3. One-on-one meetings (after replying to RfI)
4. Send a meeting invitation or a chat request via the [Community Platform](#)

PROTOCOL

For the communication and interactions between the demand and the supply side



OPEN MARKET CONSULTATION DOCUMENT (Including Annexes)

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OMC activities timeline

2 April 2025	Publication of the Prior Information Notice (PIN) on Tenders Electronic Daily .
3 April 2025	Open RFI questionnaire (via the EU Survey tool)
4 April 2025	Publication of the Open Market Consultation Document on the PCP-WISE website and e-Procurement platform .
4 April 2025	Open module on the e-Procurement platform to ask questions about the PCP-WISE OMC.

28 May 2025	Infoday (online event)
30 May 2025	Deadline to submit questions about the PCP-WISE OMC through questions module of e-Procurement platform .
3 June 2025	OMC main event 1 – Webinar (online event)
12 June 2025	OMC main event 2 – EXPANDEO in Brussels (Belgium) (Hybrid event)
13 June 2025	Publication of answers to questions about the PCP-WISE OMC through e-Procurement platform .
15 June 2025 – 23:59 (CET)	Deadline for submission of the RFI (EU-Survey tool)
15 July 2025	Publication of the OMC Report- End of the OMC period





Tender documents

Document abstract

The Tender Documents draft is based on the Horizon Europe Guidelines and templates to implement Pre-Commercial Procurement (PCP). The Deliverable includes in one compilation the draft of the different Tender Documents (TD), including The Request for Tenders (TD1) and the following TDs:

Tender Document 2 (TD 2): Framework Agreement

Tender Document 3 (TD 3): PCP Specific Contract for Phase 1

Tender Document 4 (TD 4): PCP Specific Contract for Phase 2

Tender Document 5 (TD 5): PCP Specific Contract for Phase 3

Tender Document 6 (TD 6): PCP End of Phase (1, 2, 3) report

Tender Document 7 (TD 7): Contractor details and Project abstracts

Tender Document 8 (TD 8): Technical form

Tender Document 9 (TD 9): Financial form

Tender Document 10 (TD 10): European Single Procurement Document (ESPD)

Tender Document 11 (TD 11): Consortia Statement

Tender Document 12 (TD12): Standard self-declaration form (for project references)

Annexes



PCP phases: number of contractors, duration and budget

PCP Phase	Contractors	Duration	Budget per contractor	Total Budget
Phase 1	5	4 months	300.000,00 €	1.500.000,00 €
Phase 2	3	11 months	2.400.000,00 €	7.200.000,00 €
Phase 3	2	6 months	1.532.669,40 €	3.065.338,80 €
			Total	11.765.338,80 €

PCP Intellectual Property Rights (IPR)

Contractor(s) keep ownership of IPR of Results (Price explicitly include a discount).

- + ensure that results are not subject to control or other restrictions by entity/country which is not eligible.

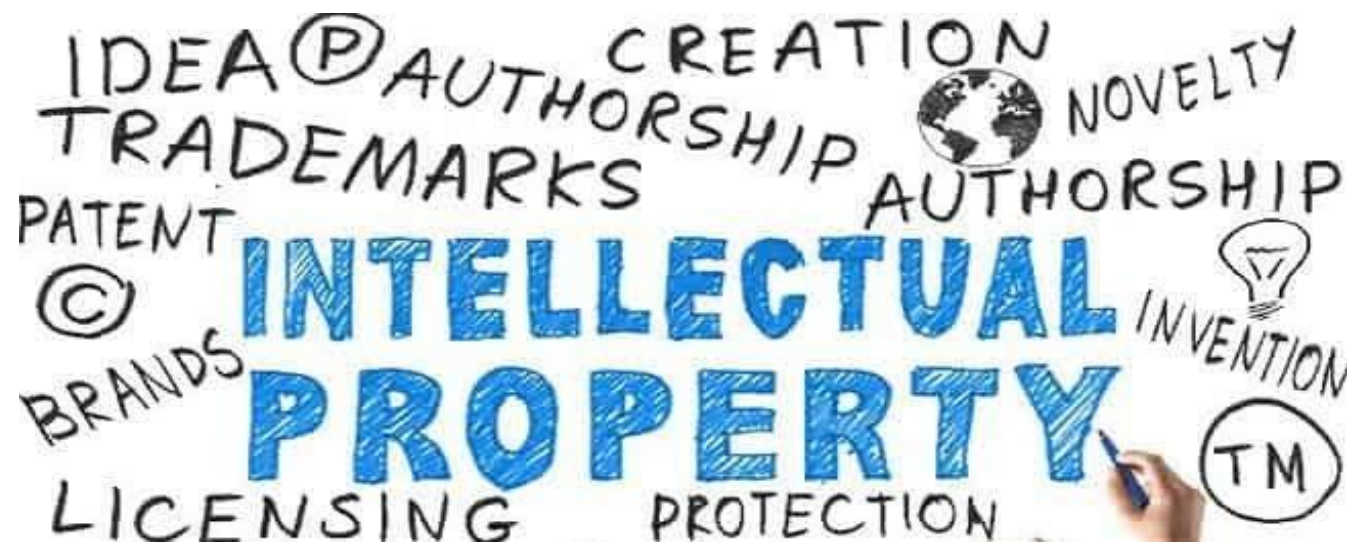
- + inform PBG of the results of each phase that can be exploited, whether they can be protected or no.

If the contractor does not seek protection, the PBG will have the right to do so.

PBG receives an irrevocable, royalty free, non-exclusive, non-commercial license to use the technology for indefinite time. IPRs of the PCP and needed pre-existing rights.

PBG has the right to require the contractors to grant non-exclusive licences to third parties under Fair, Reasonable and Non-Discriminatory (FRAND) conditions.

PBG has the right to require the contractors to transfer ownership of the IPR if they do not protect them, do not protect public interests (including security interests) or do not commercialize the solution.





2.2 Request for Information

Arnoud Gringhuis, het Waterschapshuis

10:55 – 11:00



Request for Information (RFI)

- Goals of the RFI:
 - Validate our findings
 - Collect market insights
 - Refine our tender documents
- Consists of 25 questions, covering topics including the following:
 - The PCP WISE challenge
 - Functional and technical requirements
 - The SOTA
 - The market needs and capabilities
 - Your suggestions and remarks



Request for Information

EUSurvey platform.

Deadline for submission: **15 June 2025 – 23:59 (CET)**

All information provided will be treated confidentially.

The findings of the RFI will be summarized, anonymized and published online through our website

You can find the RFI here:
[EUSurvey PCP WISE](#)

The screenshot shows the EUSurvey platform interface. At the top, there's a dark blue header with the EUSurvey logo and navigation links: Login, Help, and Language. Below the header, a checkbox is checked, indicating 'Save a backup on your local computer (disable if you are using a public/shared computer)'. The main title of the survey is 'PCP WISE - Request for Information (RFI) Questionnaire in the context of the Open Market Consultation for the future Pre-Commercial Procurement of R&D services on the climate adaptation domain'. A yellow box contains the text 'Fields marked with * are mandatory.' with a close button. Below this is a disclaimer box stating that the European Commission is not responsible for the content of questionnaires created using the EUSurvey service. The PCP WISE logo is prominently displayed in the center. Below the logo, the section 'PCP WISE in a nutshell' is introduced. The text describes the survey as part of the Open Market Consultation (OMC) of the PCP WISE project, aimed at gathering feedback on the main challenge concerning the development of innovative, beyond state-of-the-art solutions (up to TRL8) to enhance water management. The focus areas include agriculture, nature, urban climate resilience and planning, climate risk management, and resilience to water-related natural disasters. The goal is to provide intelligence and information on rural... On the right side of the interface, there are sections for 'Views' (Standard, Accessibility Mode), 'Languages' (English dropdown), 'Contact' (Contact Form), a 'Save as Draft' button, and a 'Report abuse' link.



Request for Information

Let's keep in contact!



- Ask questions through our PCP WISE [e-Procurement Portal](#)
- Join our PCP WISE [Community](#), and get in touch with buyers and other suppliers
- Check our PCP WISE website <https://pcp-wise.eu> (Newsletter, FAQ)
- Reach us by email: info-PCP-WISE@group-gac.com



3. Community building and matchmaking

Sofiane Bari, G.A.C.

11:00 – 11:15



Why Engage in PCP WISE Now?

Shape the future of water resilience through innovation procurement.



Understand Buyer Needs Early

Get insider knowledge on public buyers' challenges before the tender is launched.



Find the Right Partners

Join forces with complementary organisations to form strong, competitive consortia—or go solo and shine.



Boost Your Visibility Across Europe

Position your solutions and tech where it matters—on the radar of buyers, regions, and replicators.



Access a €12M Opportunity

Contribute to next-gen water and climate resilience solutions with real commercial potential.



Accelerate Your Innovation to Market

Fast-track your R&D and scale-up with EU support and global exposure.



Who is the PCP WISE Community Platform for?



170 members
incl. the
PCP WISE Buyers!



SUPPLIERS

SMEs & startups

Large companies

RTOs

REPLICATORS

Public from
national,
regional, and
local levels

Water authorities
& Environmental
agencies

Private buyers

FOLLOWERS

EU-funded
projects,
networks &
initiatives

EO, Climate and
Innovation
Procurement
Experts

Sustainable end-
users &
communities



Why join the Community Platform?




Join our Community
Networking &
Matchmaking platform


Your Gateway to the PCP WISE journey!


- **Stay in the loop:** Get the latest updates with daily digests, event alerts, and curated learning resources.
- **Connect and collaborate:** Schedule meetings or start chats with PCP WISE Buyers and like-minded suppliers from the community.
- **Showcase your strengths:** Create a standout supplier profile to highlight your company, technologies, and innovative solutions — and grow your network.
- **Join the conversation:** Take part in interactive online events and activities to support the scale-up, replication, and uptake of the PCP WISE innovation solutions



“Schedule a meeting” and “Start a discussion” with community members



Méliッサ Campagno 

 Member since February 2024

#PCP WISE partner #Communication #stakeholder engagement #Dissemination #Communitybuilder

Senior consultant and Innovation Project Manager at G.A.C. Group working in the field of Innovation P Adaptation EU-funded projects. I'm also a partner in the PCP WISE project responsible for the Commu and Exploitation activities of the project.

Please specify your organization's role in relation to PCP WISE

PCP WISE Support Organisation

✓ Cancel this membership

@ Start a discussion

📅 Schedule a meeting

Send a message

Disclaimer: All exchanges on this platform, especially those between suppliers and public buyers, must adhere to the basic principles of public procurement - **fair competition, equal treatment and non-discrimination, and transparency** - as defined by the EU Public Procurement Directives. More information [here](#).

Message *


Send

Propose a meeting

Disclaimer: All exchanges on this platform, especially those between suppliers and public buyers, must adhere to the basic principles of public procurement - **fair competition, equal treatment and non-discrimination, and transparency** - as defined by the EU Public Procurement Directives. More information [here](#).


Proposed slots

Date *

jj/mm/aaaa --:--  v

Duration *

30 minutes v

 Remove this slot

Add a slot

Link

Use this field to provide online meeting URL.

Message

Use this text area to explain why you request a meeting and why it should be accepted. You can also provide contact details here.

Send request meeting

PCP WISE

63



Interacting on the Community Platform



Join our Community
Networking &
Matchmaking platform

Guided exchanges between Supplier and PCP WISE Buyers

PROTOCOL

For the communication and interactions between the demand and the supply side

Coming soon!

NB: Exchanges on the platform must adhere to the basic principles of public procurement – fair competition, equal treatment and non-discrimination, and transparency – as defined by the EU Public Procurement Directives.

Facilitated exchange between Suppliers to support the **formation of suppliers' consortia** interested in bidding for the PCP WISE Call for Tenders

- Maximise your organisation's visibility toward other suppliers
- Find complementary expertise and potential partners to form winning consortia

NB: A consortium composed of several organisations is not mandatory to respond to the upcoming PCP WISE Call for Tenders : A single Supplier can also send an offer



Calling for PCP WISE Replicators & Followers



Join our Community
Networking &
Matchmaking platform

- **Replicators** Regions, cities, water & environmental agencies, etc., external to the PCP WISE consortium interested in taking part in replicability and scalability activities
- **Followers** Networks, associations, programmes, projects and initiatives committed to support PCP WISE's communication and dissemination efforts, widen its visibility, and maximise its impact



Take part in the Stakeholder
Observatory Group (SOG)
&
Have your say in the PCP
WISE Journey!



Create your profile on the Community Platform

My profile

Fill out your profile to enable members to understand your focus areas and identify opportunities for collaboration more effectively.

Tags

Use tags to describe your activities so community members understand what you are working on. Provide a list with comma-separated tags.

Gender *

My picture

City

Country *

Time zone *

 ☒

Phone number

Short bio

B *I*

Include a short bio to describe who you are, what your expertise is, what you are looking for, and what you can bring to this community.

LinkedIn account

X account

Add your social media accounts so community members can discover more about you.

Emails digest frequency

 ☒

Affiliation *

How often would you prefer to be kept up to date with our email digest?

One affiliation is mandatory to register to this community.

Affiliations

+ Add an affiliation

⚠ No affiliation have been added to your profile.

Sign up on <https://egcp.enrich-global.eu/communities/pcp-wise/> and complete your profile






How to create your profile on the Community of Practice?

Additional information specific to Suppliers

My community profile

Please specify your organization's role in relation to PCP WISE *

PCP WISE Suppliers

 Please note: This information is mandatory for all registered suppliers and will appear on your public profile within the PCP WISE Community & Matchmaking Platform.

Organisation type *

- ☐ Startup
SME of less than 5 years
- ☐ Small and Medium-size Enterprise
SME, staff under 250
- ☐ Large Company
(staff above 250)
- ☐ Public Research Organisation
(including universities and research institutes)
- ☐ Private Research Organisation
- ☐ Non-for-profit organisation
(NGO, Association)
- ☐ Other

If you selected 'Other' in the previous question, please specify

Sector of activities *

PCP WISE use case(s) you would like to tackle

What products and/ or services do you offer? *

What kind of partner(s)/ expertise are you looking for to form a consortium for the Call for Tenders? *

Any additional information you'd like to share

Update my profile

The more complete your profile is, the greater visibility you build towards other suppliers, and the greater your chances are to find suppliers with complementary skills and expertise that represent suitable candidate partner to form of consortia.



Get Connected. Get Visible. Get Ready.

Join the PCP WISE Community Platform

→ Create your supplier profile, showcase your expertise, and connect with partners to form consortia.

→ “Schedule a meeting” and/ or “Start a discussion” with suppliers and buyers via the Community Platform

→ Email: info-PCP-WISE@group-gac.com

Stay up-to-date through the PCP WISE website

→ Stay informed about the upcoming call for tender, PCP developments, project milestones and key results.

→ Check out the PCP WISE Q&A

→ Sign up for the **PCP WISE Newsletter**.

Submit your feedback

→ Fill out the RFI (Request for Information)

→ Deadline: **15 June 2025**

Reach out & Get the info you need

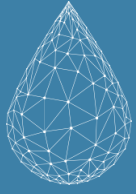
→ Ask a question via the e-Procurement Portal chat and Request a 1:1 meeting after filling out the RFI

Your input will help shape the PCP WISE tender. This is your chance to influence the challenge!



4. Dialogue with suppliers

Arnoud Gringhuis, het Waterschapshuis
11:15 – 11:55

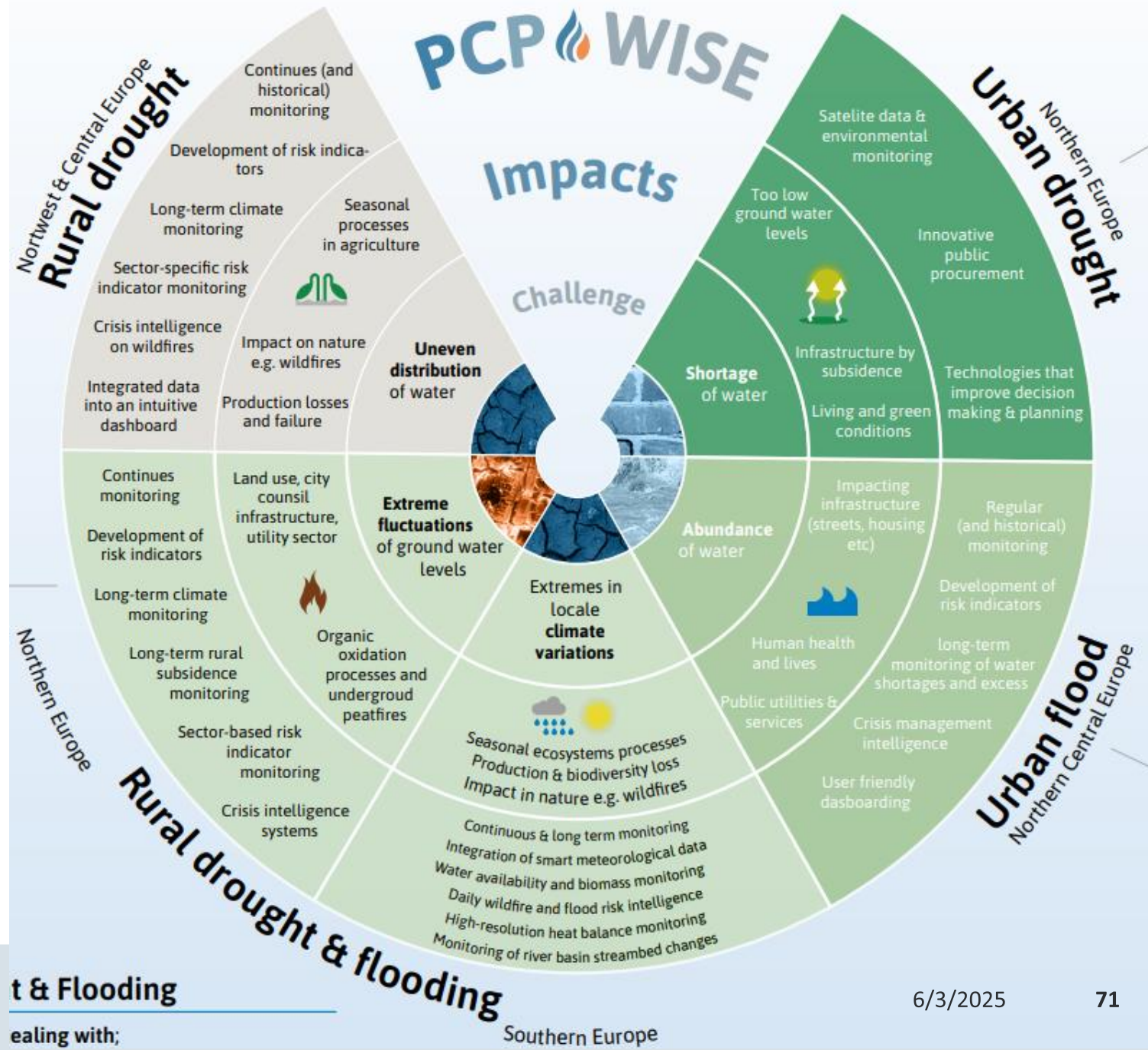


Polls

- 7 multiple choice questions on important topics for the PCP WISE project
- Polls will appear in the chat, extra information in the slide
- The results will be evaluated, shared in the OMC report and used to develop the PCP WISE Call for tenders
- Open discussion in the case of highly divergent answers

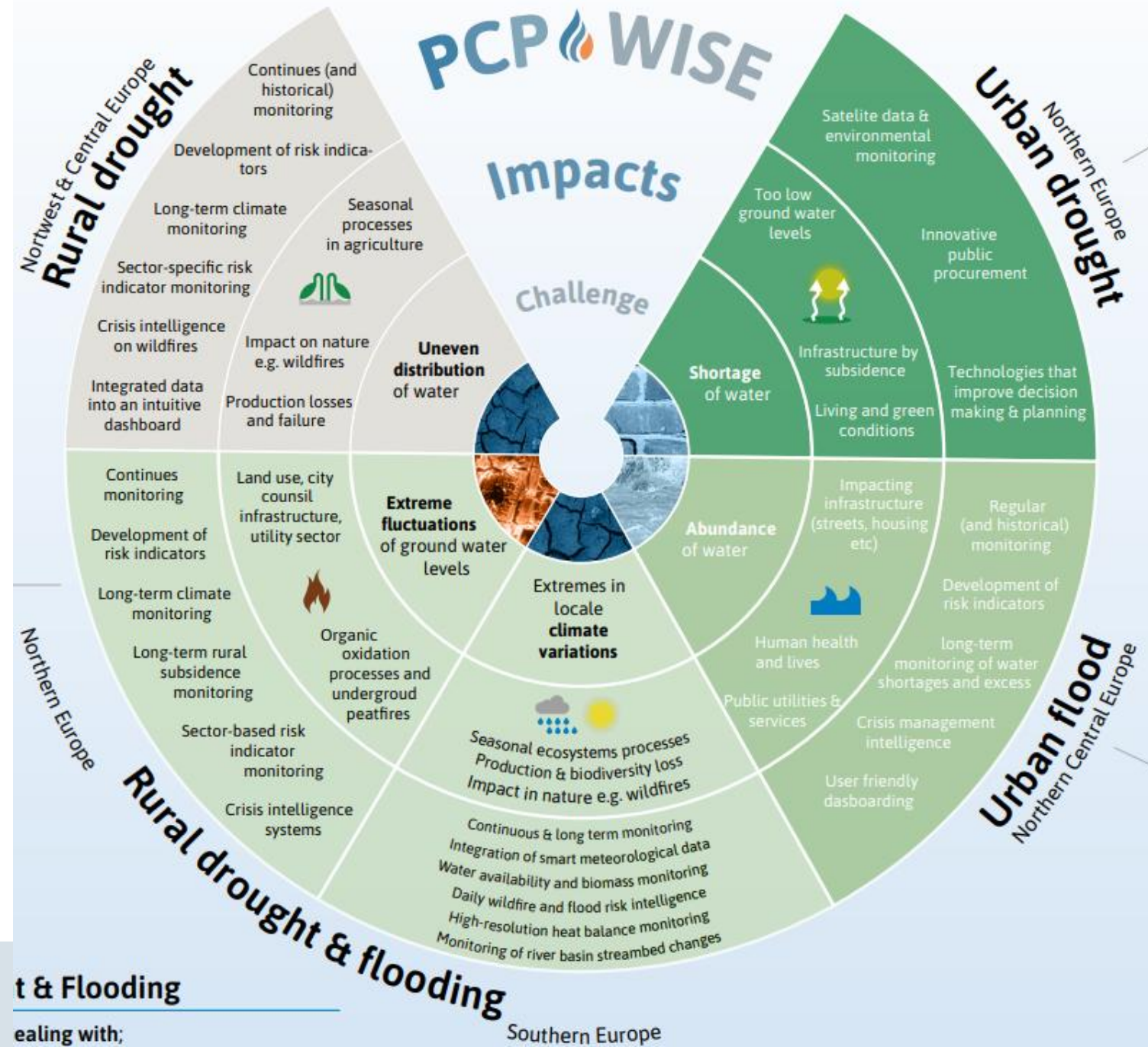


Question 1: Are the functional requirements of the 5 different use cases clear?



Question 2:
Is it realistic and feasible for suppliers (consortia) to develop an integral (intelligent) water management solution that tackles the needs/functional requirements of the 5 different use cases?

6/3/2025



t & Flooding

ealing with;



Question 3:
Do you have access to the resources and capabilities to develop a water management solution that addresses the 5 uses cases?



Main contractor (large SME: civil engineering and management, upscaling ambitions)



Hydrology (model) skills/services dedicated to sectors



Meteorology (short extreme events, climate scenario modeling, spatio-temporal modeling)



Crisis (Risk/impact) skills/experience dedicated to sectors



Remote Sensing value-adder skills/services dedicated to sectors



ICT skills in operational information productions (upscaling) in back and front processing



Legal & contracting skills (European standards, AI, IPR, etc)



Research and innovation skills in the above disciplines

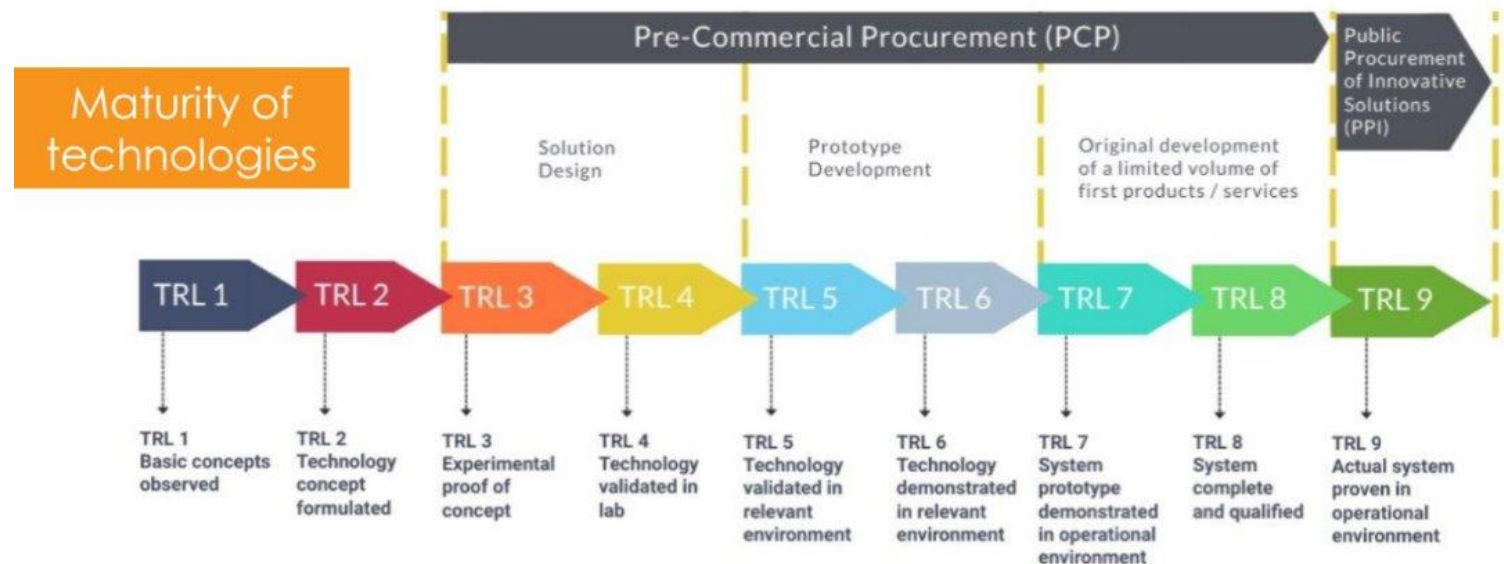


Solution Architecture



Question 4: Do you know of an existing technology at an advanced to high Technology Readiness Level (TRL) that solves the aforementioned use cases?

Technology Readiness Level (TRL)



CREATED BY CORVERS PROCUREMENT SERVICES BV

CORVERS
CONTRACTS & LEAD PROJECTS

Made with VISME



Timeline and budget

Disclaimer:

The total duration (21 months) and the total budget €11.765.338,80 is fixed. However, the distribution of the allocated time and budget in the 3 phases is something that may be changed to better fit the industry needs and expectation.

PCP Phase	Contractors	Duration	Budget per contractor	Total Budget
Phase 1	5	4 months	300.000,00 €	1.500.000,00 €
Phase 2	3	11 months	2.400.000,00 €	7.200.000,00 €
Phase 3	2	6 months	1.532.669,40 €	3.065.338,80 €
			Total	11.765.338,80 €





Question 5: Do you think our proposed allocation of time per phase is correct?

Phase 1

Solution design



Phase 2

Prototype development



Phase 3

Original development and testing of limited volume of 1st test products/services



PCP Phase	Contractors	Duration	Budget per contractor	Total Budget
Phase 1	5	4 months	300.000,00 €	1.500.000,00 €
Phase 2	3	11 months	2.400.000,00 €	7.200.000,00 €
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			Total	11.765.338,80 €



Question 6: Do you think our proposed budget allocation per phase is correct?

Phase 1

Solution design



Phase 2

Prototype development



Phase 3



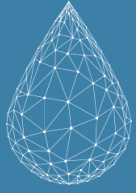
Original development and testing of limited volume of 1st test products/services

PCP Phase	Contractors	Duration	Budget per contractor	Total Budget
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			Total	11.765.338,80 €

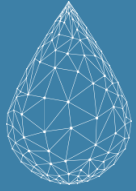


Question 7: What other incentives would you like to see to participate in PCP WISE to further develop the solutions for the Public Buyers Group?

Open discussion



Questions for us?



Closure

Joost Buntsma, het Waterschapshuis

11:55 – 12:00