

**European Climate Risk Assessment
for businesses: preparing for a
resilient and competitive business
in 2025**

19 February, Brussels

Organised by



**With the support
and contribution**



From Risk to Resilience: Adapting Real Estate to Climate Change

Jart Ligterink & Pieter Lootens



Damage to the built environment

- The average **annual weather and climate related damage** in the whole of the EU was around **44.5 billion** for the period 2020-2023. An increase of 53% from 2009 to 2023.
- Real estate portfolios are exposed to these climate hazards, and this is increasingly being considered by real estate investors and funds



Driving forces for the real estate sector



Stricter laws and regulations

EU

National

Local



Pressure from stakeholders

Employees

Investors

Tenants

Public Opinion



Mitigation risks

Physical risks as a consequence of climate change

Transition risks

Stranded Assets



Financial implications

Value of assets

Marketability

Green financing

The landscape of climate risk assessments for real estate

- Large heterogeneity in methodology and granularity (SaaS vs detailed consultancy)
- There is a need to move away from **'black box'** climate risk assessments that deliver outcomes that cannot be understood or benchmarked.



→ **Insight 1:** Transparency and open access are key elements for success and uptake in the market



Our Solution: Sweco x Real Estate x EU Taxonomy

- The Framework was developed by the Dutch Green Building Council (DGBC) together with a broad alliance of over 40 organisations.

Framework for climate adaptive buildings



Insight 2: Develop in close collaboration with the sector



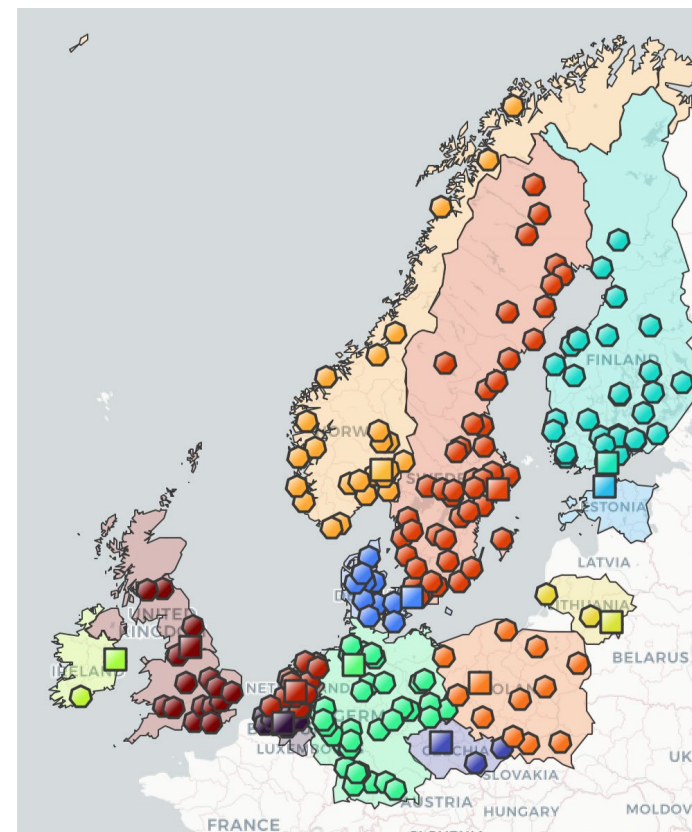
Applying our approach in a European context

The objective:

Identify and assess which physical climate hazards are of potential risk to Sweco offices

What we did:

A collaboration with experts from all Sweco countries to report climate risks by collecting the best regionally available data

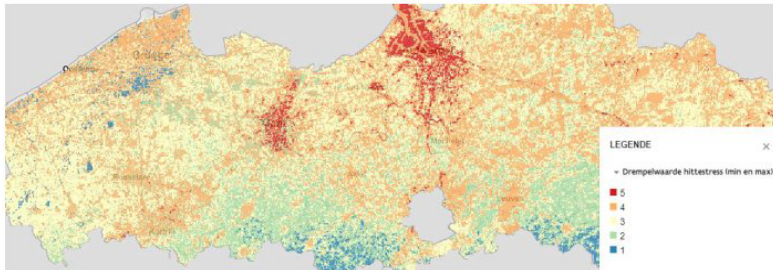


Insight 3: Consider the local context

Our approach in the Belgian context

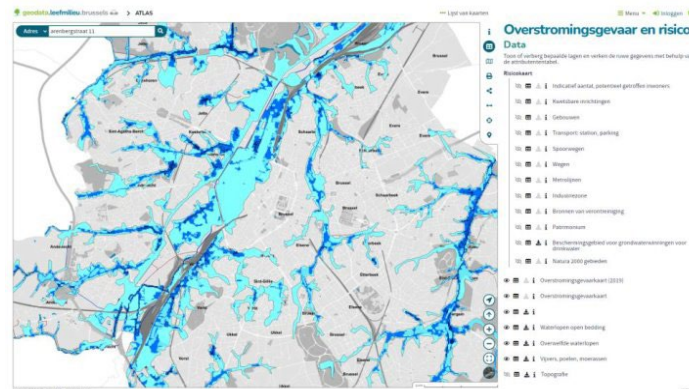
Main climate-related hazards investigated:

Heat Stress



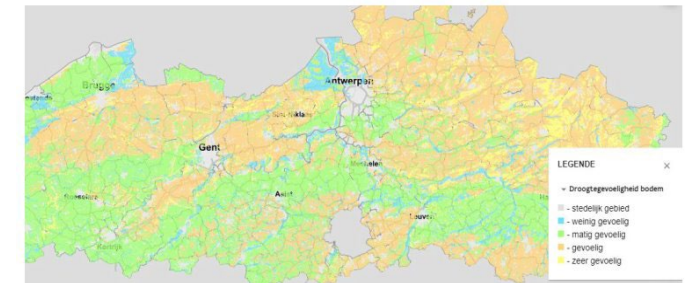
Heat stress score on map	Interpretation	Result
No data	none	Not applicable
1	Very low	Low exposure
2	Low	
3	Medium	Exposure
4	High	
5	Very high	

Flooding : coastal, pluvial, fluvial



Risk of flooding	Chance	Result in current scope
	none	Low exposure
	Small (1/100 year)	
	Medium high (1/25-50 year)	Exposure
	High (1/10 year)	

Drought



For each zone, a sensitivity to drought stress is defined by the scale below.

Drought stress score	Result in current scope
No data	No data
Urban areas	Low exposure
Low sensitivity	
Medium sensitivity	Exposure
High sensitivity	
Very high sensitivity	

Our approach in the Belgian context – Sweco offices

Table 12. Scenarios for offices in Flanders region.

Climate risk	Current scenario	Scenario 1	Scenario 2
Heat Stress	Heat stress no action – current climate	Heat stress Trend – high impact - 2050	Heat stress No action – high impact - 2100
Flooding <ul style="list-style-type: none"> • Coastal • Pluvial • Fluvial 	Water depth Current climate – medium big chance	Water depth Future climate – medium big chance	Water depth Future climate – small chance
Drought	Drought sensitivity no action – current climate	N.A.	Drought sensitivity no action – high impact - 2100

Table 14. Data for offices in Flanders region.

Climate risk	Data	Data Source	Method
Heat Stress	Treshold value heat stress	Klimaatportaal Vlaanderen https://klimaat.vmm.be/	If the threshold value of the object is > 3, the object is classified as exposed
Flooding <ul style="list-style-type: none"> • Coastal • Pluvial • Fluvial 	Waterdepth in cm	Waterinfo Vlaanderen https://www.waterinfo.be/kaartencatalogus	If the waterdepth in cm on the site or its close surroundings is > 20 cm, the object is classified as exposed
Drought	Drought sensitivity of the soil	Klimaatportaal Vlaanderen https://klimaat.vmm.be/	If the sensitivity is medium or above, the object is classified as exposed

→ **Insight 1:** Transparency and open access are key elements for success and uptake in the market

Our approach in the Belgian context – example Berchem office

Heat Stress



Pluvial Flooding



Drought



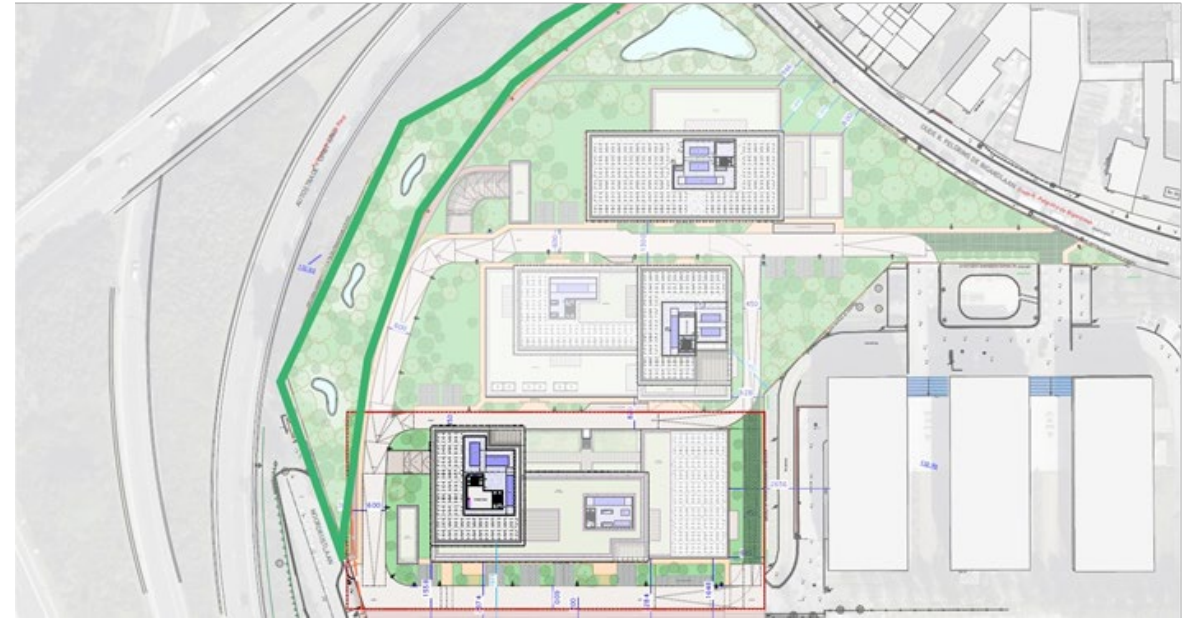
Insight 3: Consider the local context



Our approach in the Belgian context – results Sweco offices

CONTRACT_NAME	flooding from sea current scenario	flooding from sea future scenario	flooding from sea future scenario	flooding from cloudburst current scenario	flooding from cloudburst future scenario 1	flooding from cloudburst future scenario 2	flooding from lakes and watercourses current scenario	flooding from lakes and watercourses future scenario	flooding from lakes and watercourses future scenario	Heatwaves/heat stress current scenario	Heatwaves/heat stress future scenario 1	Heatwaves/heat stress future scenario 2	drought current scenario	drought future scenario 2
Brussel	N/A	exposure	exposure	N/A	low exposure	low exposure	N/A	low exposure	low exposure	low exposure	exposure	exposure	exposure	low exposure
Roeselare	low exposure	low exposure	low exposure	exposure	exposure	exposure	low exposure	low exposure	low exposure	low exposure	exposure	exposure	exposure	low exposure
Berchem	low exposure	low exposure	low exposure	exposure	exposure	exposure	low exposure	low exposure	low exposure	low exposure	exposure	exposure	exposure	exposure
Gent	low exposure	low exposure	low exposure	exposure	exposure	exposure	low exposure	low exposure	low exposure	low exposure	exposure	exposure	exposure	N/A
Hasselt	low exposure	low exposure	low exposure	exposure	exposure	exposure	low exposure	low exposure	low exposure	low exposure	exposure	exposure	exposure	exposure
Kortrijk	low exposure	low exposure	low exposure	low exposure	low exposure	low exposure	low exposure	low exposure	low exposure	low exposure	exposure	exposure	exposure	exposure

Our approach in the Belgian context – example Resolve



**Klimaat
effect
in
omgeving**

**1. Omgevingscore
Gevaar**

- Dreiging van bijv. wateroverlast (*waterdiepte na hevige regenbui*) of hitte

x



**Kwetsbaarheid
pand**

x

**2. Pandscore
Kwetsbaarheid**

- De mate waarin een pand kwetsbaar is voor een klimaatdreiging

=



**Klimaatrisico
pand**

=

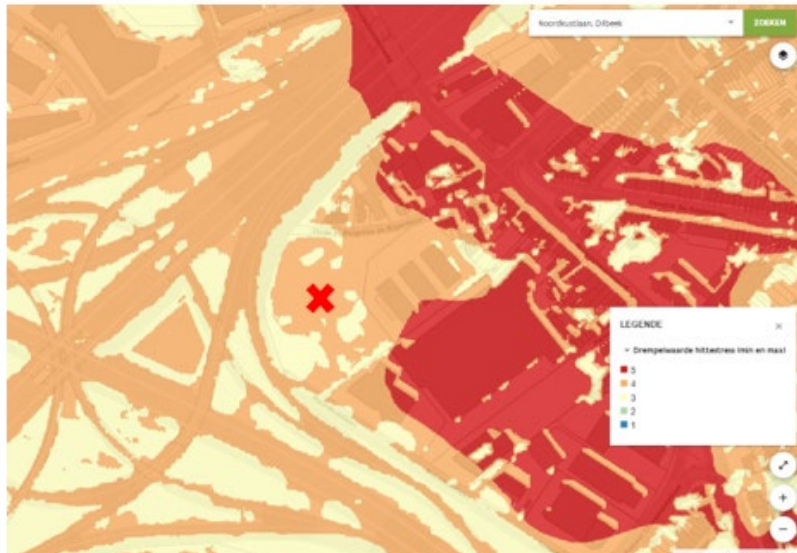
**3. Klimaatrisico score
Totaal klimaatrisico**

- Geïntegreerde score van het fysieke klimaatrisico van een vastgoedobject

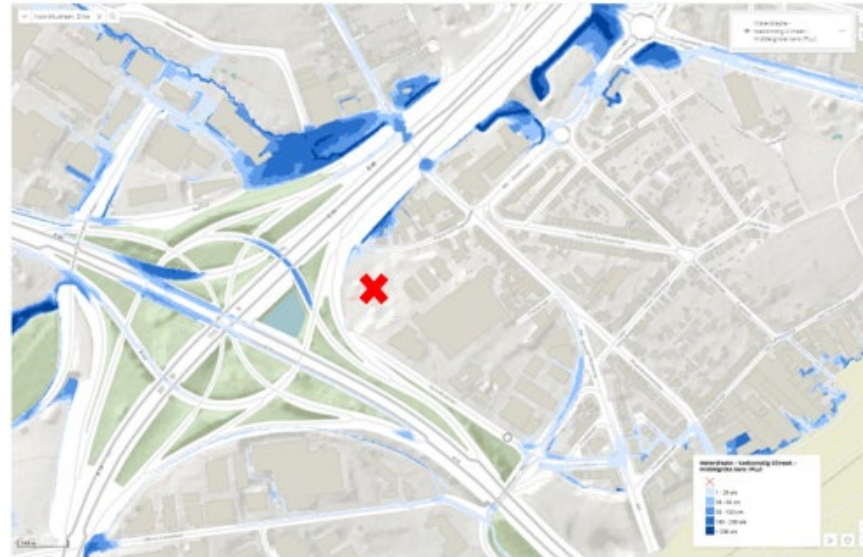
Our approach in the Belgian context – example Resolve

Environmental Climate Risks

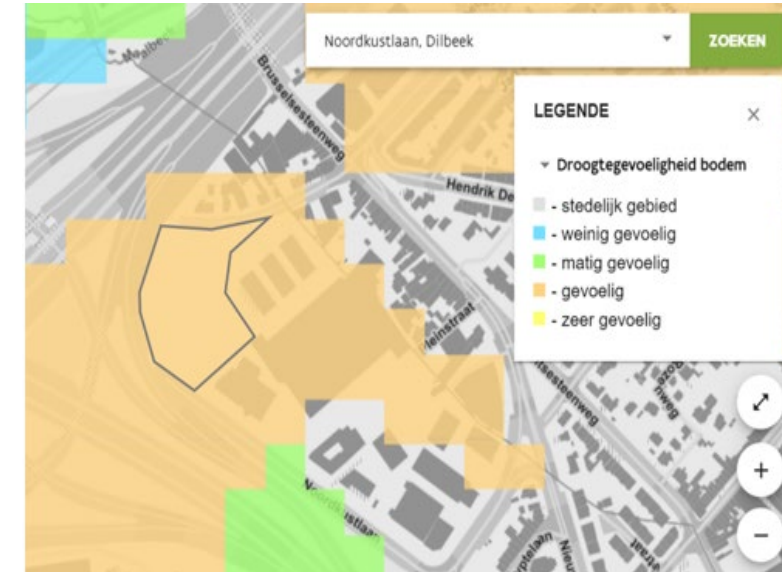
Heat Stress



Flooding



Drought



score	Interpretatie	WBGT max (°C)	WBGT min (°C)
No data	geen		
1	Zeer laag	<27,8	<17
2	Laag	27,8 – 28,75	17 – 17,5
3	Gemiddeld	28,75 – 29,5	17,5 - 18
4	Hoog	29,5 - 31	18 - 19
5	Zeer hoog	>31	>19

score	Interpretatie	Waterdiepte toekomstig klimaat – middelgrote kans (FLU)	Waterdiepte toekomstig klimaat – middelgrote kans (PLU)
1	Zeer laag	1-25cm	1-25cm
2	Laag	20-50cm	20-50cm
3	Gemiddeld	50-100cm	50-100cm
4	Hoog	100-200cm	100-200cm
5	Zeer hoog	>200cm	>200cm

score	Interpretatie	Criterium
0	Geen	Stedelijk gebied
1	Laag	Weinig gevoelig
2	Gemiddeld	Matig gevoelig
3	Hoog	Gevoelig
4	Zeer hoog	Zeer gevoelig

Our approach in the Belgian context – example Resolve

Vulnerability of the building

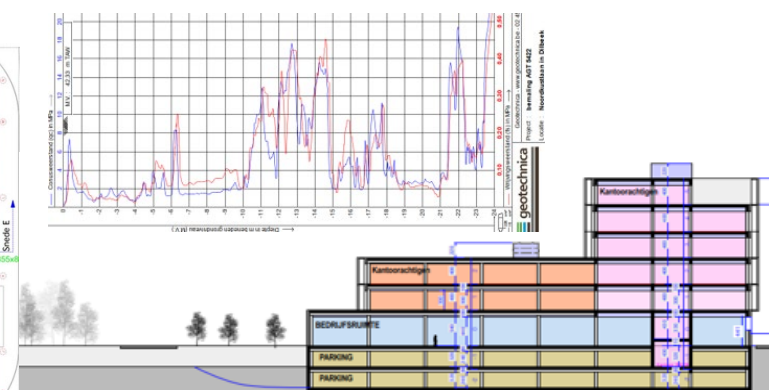
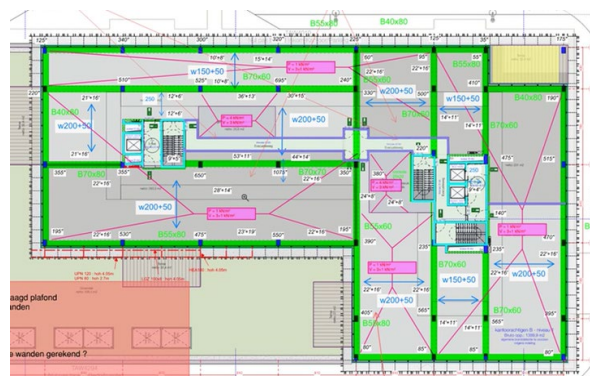
Heat Stress

Gebouwspecifiek kenmerk		Variabele	Rekenregel; Mate van invloed op kwetsbaarheid binnen het kenmerk	Punten
Gebouwschil	Glasoppervlakte	Ratio glas oppervlak glas ten opzichte van muropervlak op West, Zuid en Oost (%)	Zeer hoge kwetsbaarheid	>75% 30
	Zonwering	Aanwezigheid buiten zonwering/rolluiken	Zeer hoge kwetsbaarheid	Zonwering afwezig 25
	Type glas	g-waarde	Zeer lage kwetsbaarheid	g-waarde < 0,40 of zonwerend glas 1,5
	Kleur dak	Donkere of lichte kleur/zonnepanelen/groen dak	Hoge kwetsbaarheid	PV aanwezig voor minstens 50% dakoppervlak (ongeacht kleur van de afwerking) 4
	Kleur façade	Donkere of lichte kleur/ groene façade	Lage kwetsbaarheid	lichte kleur gevel + geen geventileerde spouw 2
functie	Interne lasten	verlichting, apparatuur, personen - interne last is grotendeels afhankelijk van de functie	Medium kwetsbaarheid	logistieke centers, kantoren, scholen, winkels 5
	Thermische massa	kleine thermische massa warmt snel op, grote thermische massa warmt traag op	Lage kwetsbaarheid	Hoge thermische massa > 400 kg/m ² (thermische massa moeilijker toegankelijk) 4
Gebouwworm	schaduw	natuurlijke schaduw en bouwkundige overstekten	Zeer lage kwetsbaarheid	overstel tussen 1.0 m en 2.0 m 2
	Gebouwscore opwarmen = Σ aantal punten			
Gebouwspecifiek kenmerk		Variabele	Rekenregel; Mate van invloed op kwetsbaarheid binnen het kenmerk	Punten
Ventilatie en infiltratie	Aanwezigheid koeling	Aanwezigheid van een koelsysteem al dan niet redundant (ten allen tijden)	Lage kwetsbaarheid	koeling voorzien (niet-redundant) -35
	Isolatie	Isolatiewaarde (Rc)	Zeer hoge kwetsbaarheid	Rc waarde > 3,5 of bouwjaar >2013 -1
	Spuiventilatie	Optie ramen open (I/N) + aantal gevels	Zeer hoge kwetsbaarheid	Ramen kunnen niet open 0
Gebouwscore afkoeling = Σ aantal punten				-36
gevoeligheidsfactor				
sport, kantoor, schol	1,12			
gebouwscore	42			

Flooding

Gebouwspecifiek kenmerk		Variabele	Rekenregel; Mate van invloed op kwetsbaarheid binnen het kenmerk	Punten
Dryproofing	Hoogte ingang t.o.v. omringend maaiveld	Hoogte ingang t.o.v. maaiveld hoogte op een afstand van 2 meter om het gebouw, of hoogte waterschot indien aanwezig bij ingang (cm)	Hoge kwetsbaarheid	Hoogte ingang 0-15cm 21
	Parkeerkeider of andere ondergrondse ruimte	Aanwezigheid parkeerkeider (Ja/Nee)	Hoge kwetsbaarheid	Aanwezig en drempelhoogte <0cm 10
		Hoogte ingang parkeerkeider (incl. mogelijke drempel)	Zeer hoge kwetsbaarheid	Aanwezig en drempelhoogte <0cm 10
	Overige instroompunten (kelderraam, spouw en/of kruipruimte ventilatie)	Aanwezigheid waterrooster (Ja/Nee)	Zeer lage kwetsbaarheid	Niet aanwezig (binnen 15cm boven maaiveld) 2
Wetproofing	Aanwezigheid kelderraam (Ja/Nee)	Aanwezigheid open stootvoegen ten behoeve van spouw- en/of kruipruimte ventilatie (Ja/Nee)	Zeer lage kwetsbaarheid	Niet aanwezig (binnen 15cm boven maaiveld) 2
	Terugslagklep aanwezig in toiletpot/douche/wasbak	Aanwezigheid terugslagklep (Ja/Nee)	Zeer lage kwetsbaarheid	Terugslagklep OF ontlastput aanwezig OF gescheiden riool 1
	Aanwezigheid ontlastput (Ja/Nee)	Aanwezigheid vaste apparatuur en installaties onder straatniveau of op BG (Ja/Nee)	Hoge kwetsbaarheid	Installaties op BG en hoogte ingang = 0 14
	Aanwezigheid van vaste apparatuur en installaties	Hoogte stopcontacten, schakelaars en aansluitpunten	Zeer hoge kwetsbaarheid	<15cm 10
Gebouwscore Wateroverlast = Σ aantal punten				58

Drought: qualitative analysis

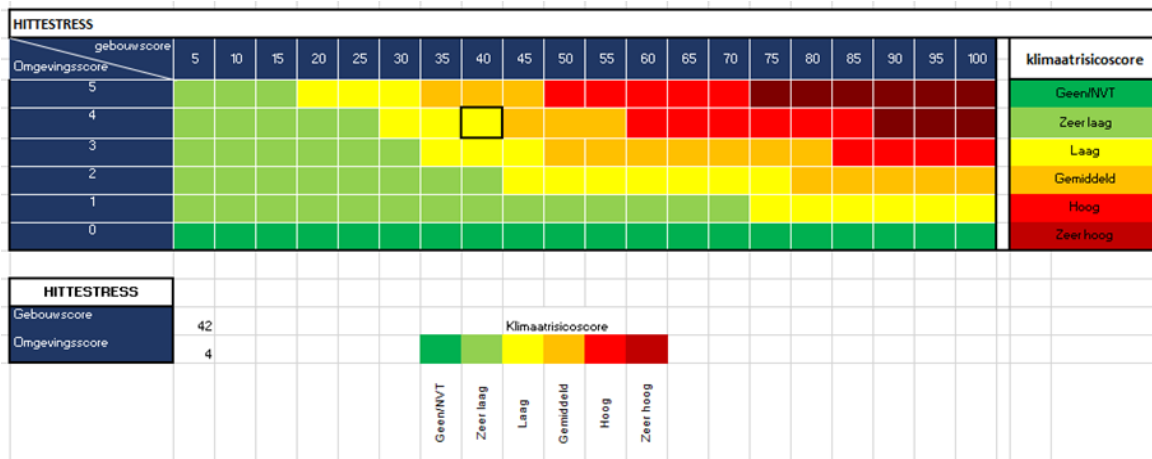


→ Insight 4: not only the environment matters. Take into account the vulnerability of the building

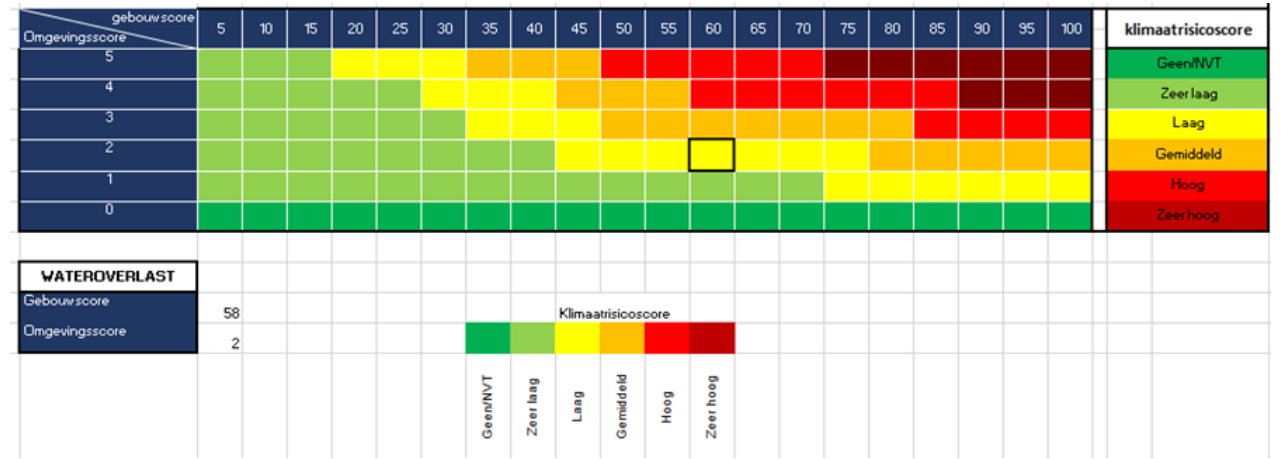
Our approach in the Belgian context – example Resolve

Total Climate Risk Score

Heat Stress: low risk

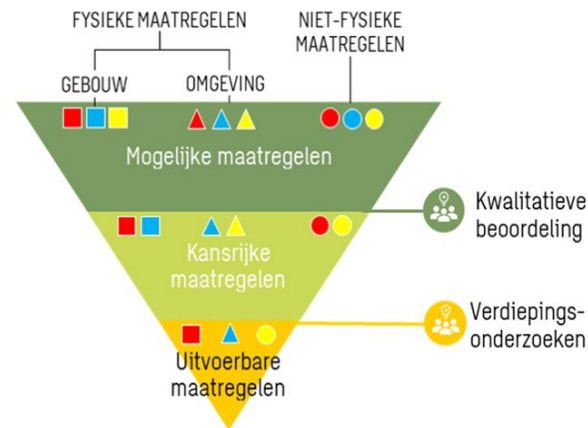


Flooding: low risk



Drought: qualitative analysis => low risk

Adaptation Measures



Maatregel	Toelichting
Maatregelen om het gebouw	
Aanplanten van bomen nabij gebouw	Bomen verkoelen doordat ze schaduw geven en water verdampen. Indien aanplanten in de bodem niet mogelijk is, kan overwogen worden om bomen in grote plantenbakken (wintertand, vorstvrij) aan te planten. Op het bestaande terrein zijn bomen aanwezig, op het inplantingsplan blijken deze ook voorzien. Nieuwe aan te planten bomen hebben tijd nodig om te groeien en hun verkoelende effect waar te maken
Reflecterend wateroppervlak nabij het gebouw aanleggen	Fonteinnetten van wateroppervlaktes helpen verkoelen. Op het inplantingsplan blijkt een wateroppervlak getekend
Schaduw creëren met vaste objecten zoals een schaduwdoek	Het gebouw beschaduwden voorkomt opwarming van de buitenkant en vermindert zoninstraling.
Maatregelen aan het gebouw	
Wit dak realiseren	Het dak wit of een lichte kleur verven, laat zonlicht reflecteren zodat het gebouw minder opwarmt.
Verminderen van glasoppervlakte	Door de ratio glasoppervlak ten opzichte van bruto muuroppervlak op West, Zuid en Oost te verminderen zal er minder zoninstraling zijn.
Groen dak realiseren (extensief)	Op platte daken kan een groen dak worden gerealiseerd. Begroeiing kan bestaan uit sedum, kruiden of lage grassen. Door waterretentie en verdamping kan het verkoelend werken want vegetatie warmt minder snel op dan andere materialen, waardoor onderliggende verdiepingen minder snel opwarmen.
Groen dak realiseren (intensief)	Op platte daken kan een intensief groen dak worden gerealiseerd. Draagkracht van het dak moet worden nagegaan, extra onderhoud is vereist. Door waterretentie en verdamping kan het verkoelend werken en vegetatie warmt minder snel op dan andere materialen, waardoor onderliggende verdiepingen minder snel opwarmen.
Blauw dak realiseren	Een blauw dak is het zogenaamde waterretentiedak. Deze opstelling vraagt extra aandacht bij uitvoering (geen helling, waterdichtheid moet gegarandeerd worden). Draagkracht van het dak moet worden nagegaan, extra onderhoud is vereist. Door waterretentie en verdamping werkt het verkoelend waardoor onderliggende verdiepingen minder snel opwarmen.
Groen/blauw dak realiseren	Groene daken kunnen gecombineerd worden met waterretentiedaken voor extra afkoeling. Draagkracht van het dak moet worden nagegaan, extra onderhoud is vereist. Begroeiing kan bestaan uit sedum, kruiden of lage grassen. De combinatie van waterretentie, verdamping en vegetatie heeft een verkoelend effect, waardoor onderliggende verdiepingen minder snel opwarmen.

Take home messages

💡 **Insight 1:** Transparency and open access are key elements for success and uptake in the market

💡 **Insight 2:** Develop in close collaboration with the sector

💡 **Insight 3:** Consider the local context

💡 **Insight 4:** not only the environment matters. Take into account the vulnerability of the building



Session II: Coordinating and aligning public and private finance for the transition to sustainable and resilient agriculture



Presentation

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Climate risk and resilience in the agriculture sector

Preparing for a resilient and competitive business in 2025

Session II: Coordinating and aligning public and private finance
for the transition to sustainable and resilient agriculture

Dr. Blaž Kurnik, Head of Climate Risk and Resilience
European Environment Agency



Europe is not prepared

- Europe is the fastest warming continent in the world.
- Climate risks are growing rapidly as we exceed 1.5 degrees C global warming
- Climate risks are threatening energy and food security, ecosystems, infrastructure, financial stability, and people's health.



European climate risk assessment: a comprehensive assessment of major climate risks facing Europe



to help identify **adaptation-related policy priorities** for the Commission



to inform the **further development of EU policies** in climate-sensitive sectors



to support the **prioritisation of adaptation-related investments** for the next Multi-annual Financial Framework



to provide a reference for conducting national and regional climate risk assessments



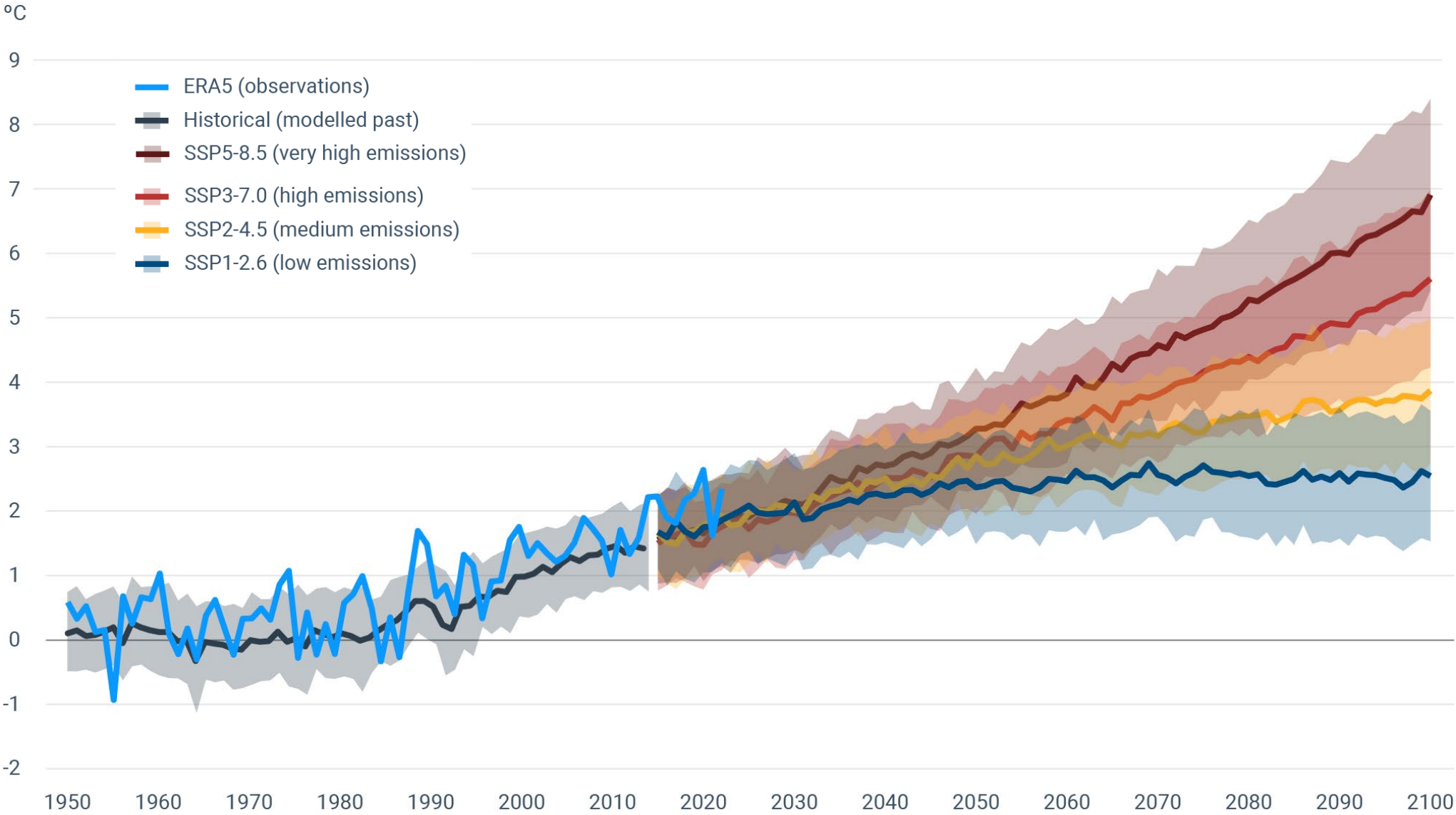
European Commission Communication on managing climate risks, 12 March 2024



“Climate impacts are already here, and **risks will continue to increase in the coming decades** and beyond due to the inertia of the climate system, even if ambitious global emission cuts reduce the potential damage.”

“Climate resilience is a matter of **maintaining societal functions**, but also of **competitiveness for economies and companies**, and thus jobs.”

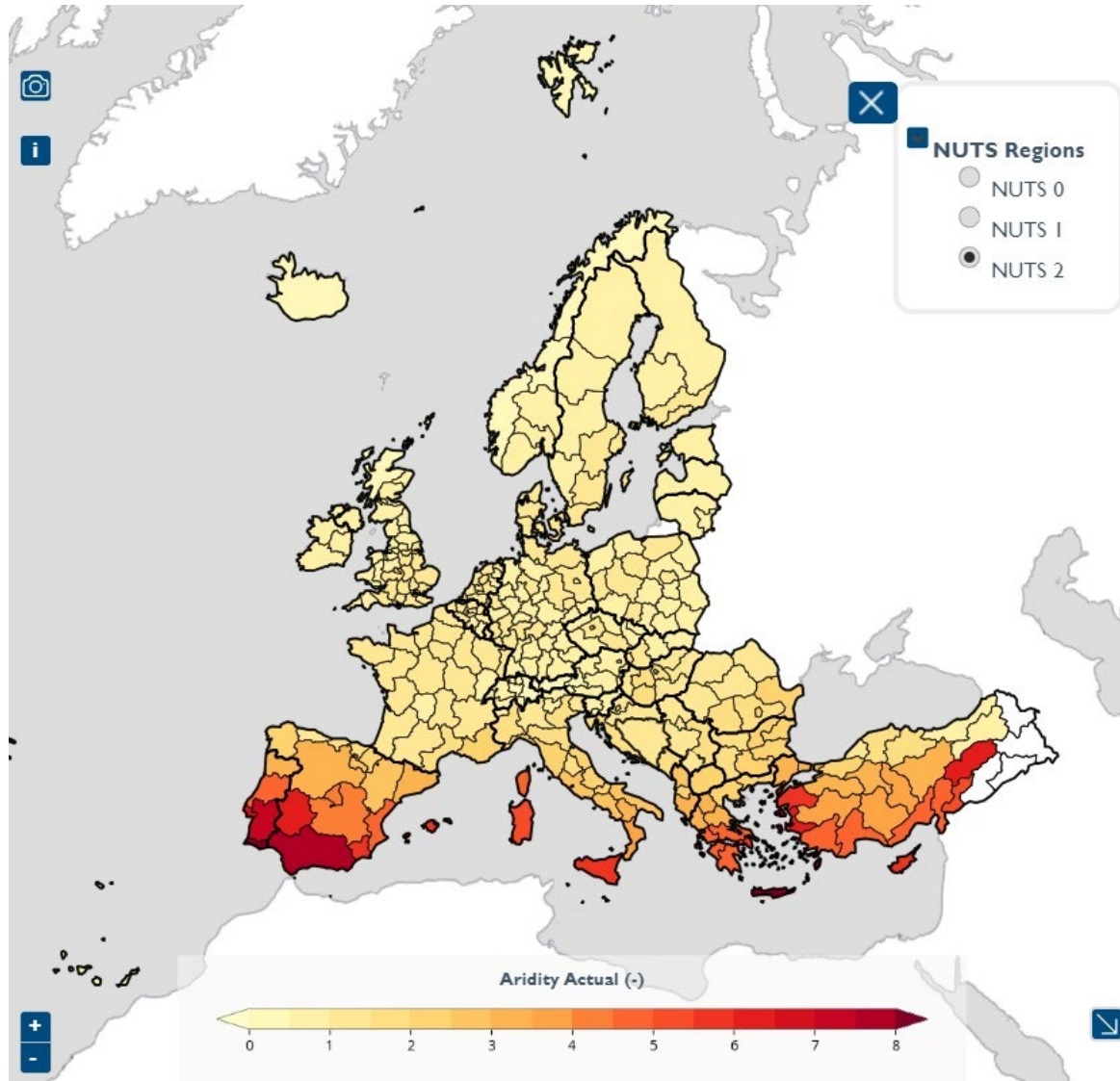
European warming projected to increase, but how much?



Source: Observed and projected temperature increase over European land area, Copernicus climate change service based on CMIP6

Droughts to become more frequent, severe and longer

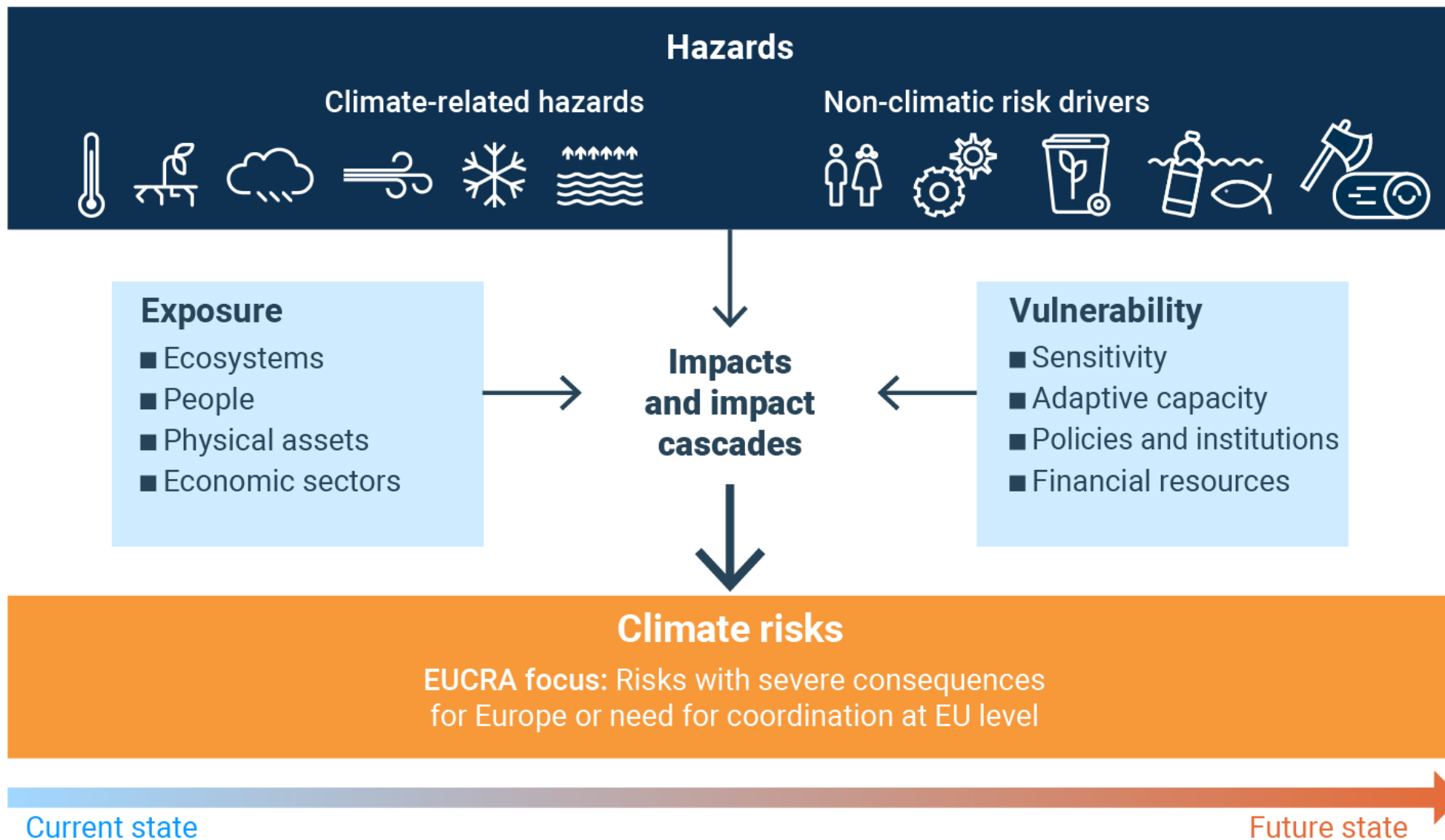
Projected aridity index at the end of the century (RCP8.5: high emission scenario)



- Between 2000 and 2023, the EU was affected by severe droughts, with 2003, 2007, 2018, 2019 and 2022 being the most extreme years.
- By the end of the century, drought magnitude in southern Europe could triple.

Source: <https://climate-adapt.eea.europa.eu/en/metadata/indicators/aridity-actual>
Based on C3S

EUCRA: combining different types of risks



Economy and finance



Ecosystems

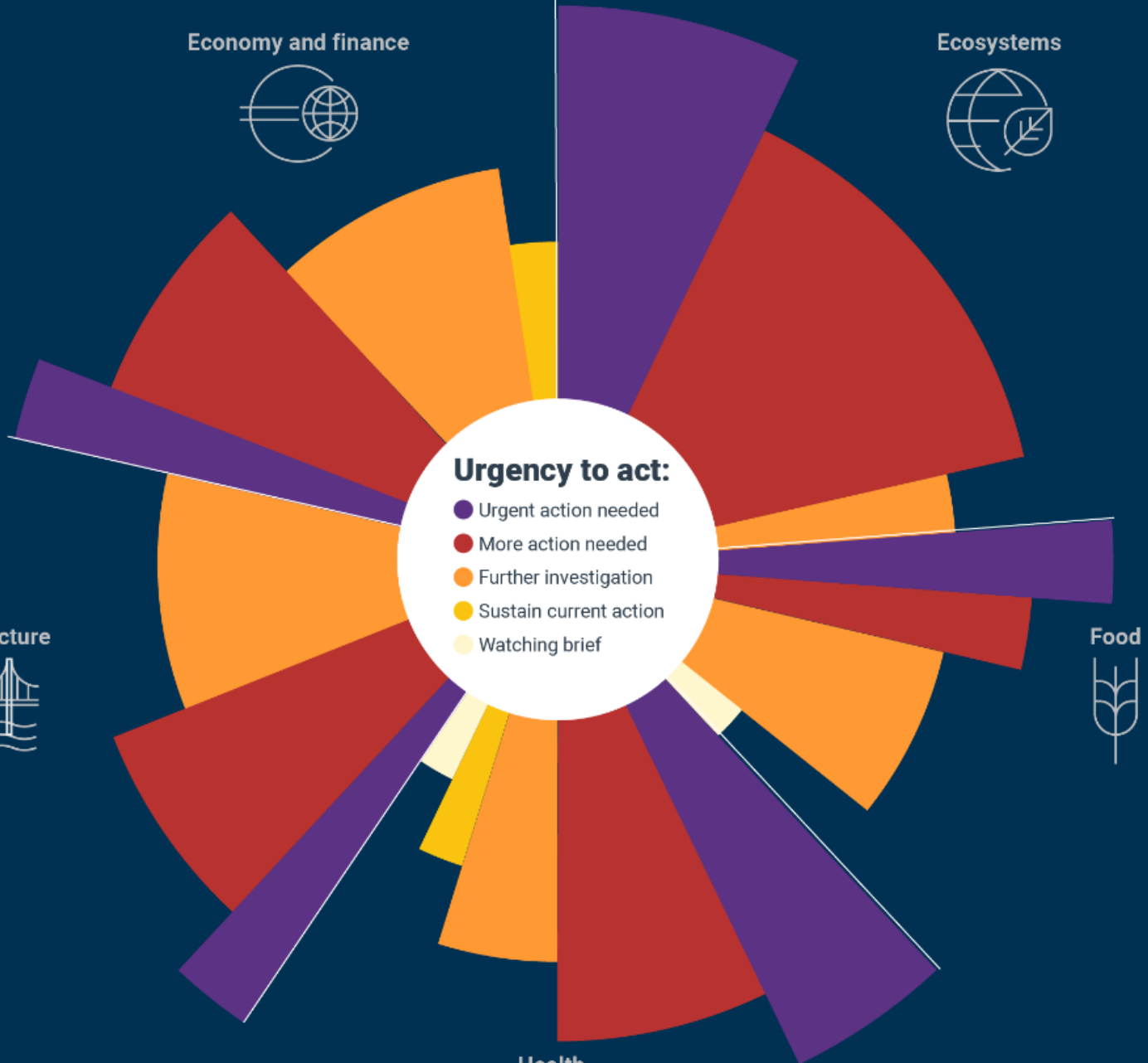


Urgency to act now

More than half (21 out of the 36) key climate risks for Europe need more action now, with 8 of them being particularly urgent.

Urgency to act:

- Urgent action needed
- More action needed
- Further investigation
- Sustain current action
- Watching brief



Infrastructure



Food



Health










Food cluster





Climate risks for 'Food' cluster	Urgency to act	Risk severity			Policy characteristics		
		Current	Mid-century	Late century (low/high warming scenario)	Policy horizon	Policy readiness	Risk ownership
Crop production (hotspot region: southern Europe)	Urgent action needed	Critical	Critical	Critical	Short	Medium	Co-owned
Crop production	Further investigation	Critical	Critical	Critical	Short	Medium	Co-owned
Food security due to climate impacts outside Europe (*)	Further investigation	Critical	Critical	Critical	Short	Medium	EU
Food security due to higher food prices	Further investigation	Critical	Critical	Critical	Short	Medium	Co-owned
Fisheries and aquaculture	Further investigation	Critical	Critical	Critical	Short	Medium	Co-owned
Livestock production	Watching brief	Substantial	Substantial	Substantial	Short	Medium	Co-owned

Legends and notes

Urgency to act

-  Urgent action needed
-  More action needed
-  Further investigation
-  Sustain current action
-  Watching brief

Risk severity

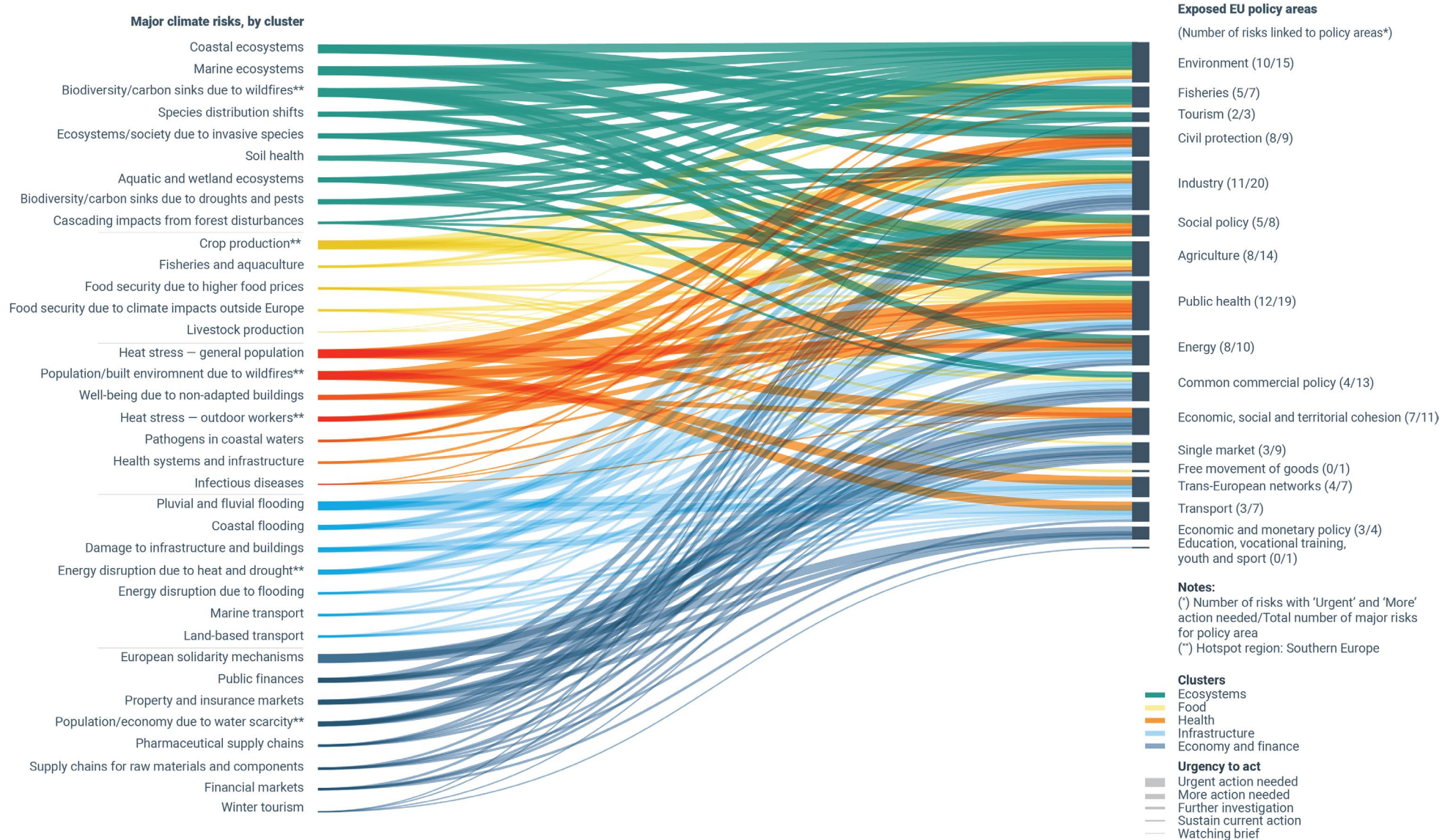
-  Catastrophic
-  Critical
-  Substantial
-  Limited

Confidence

- Low: +
- Medium: ++
- High: +++

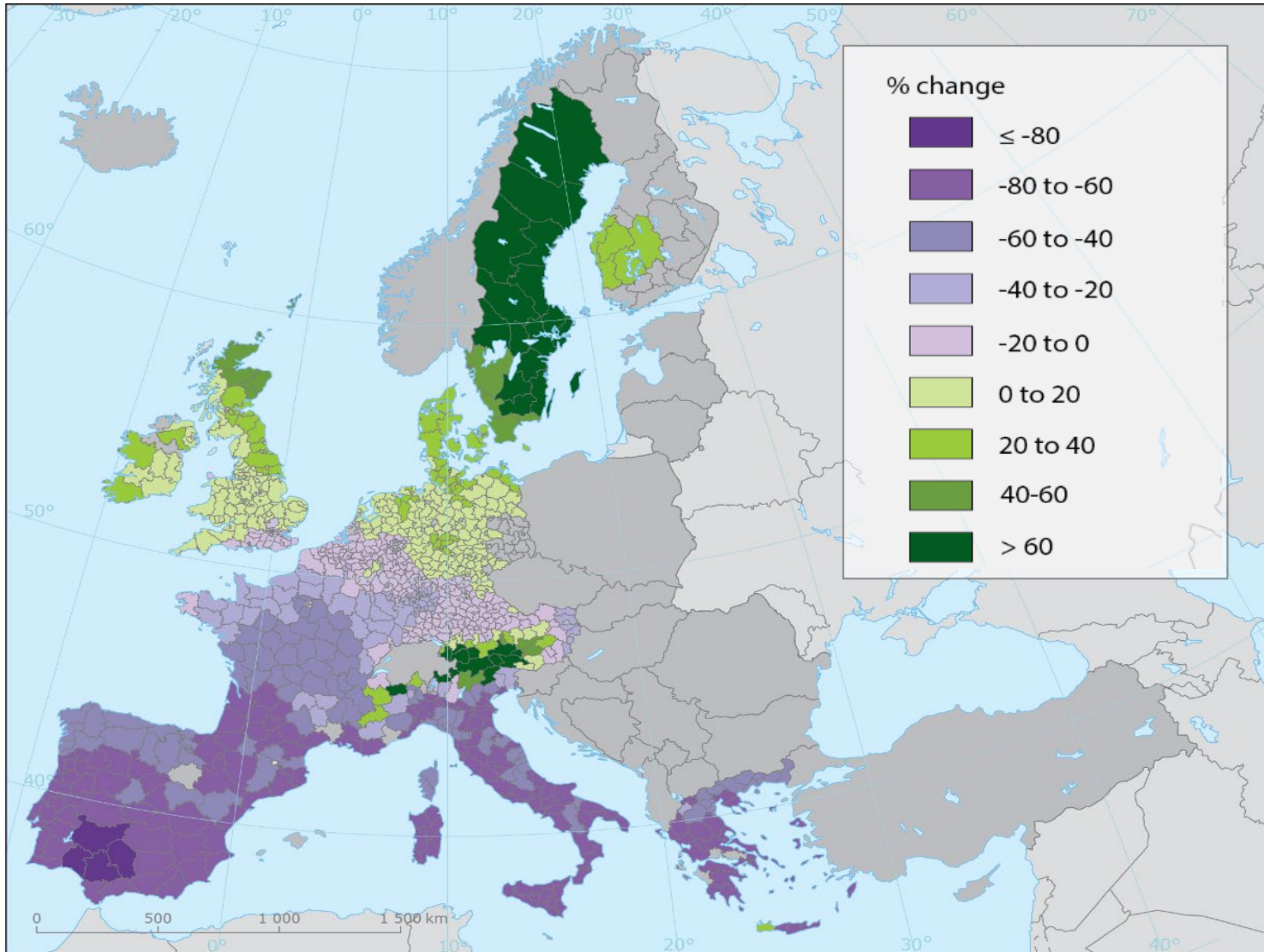
(*) Wide range of evaluations by authors and risk reviewers.

Climate risks affect nearly all EU policy areas

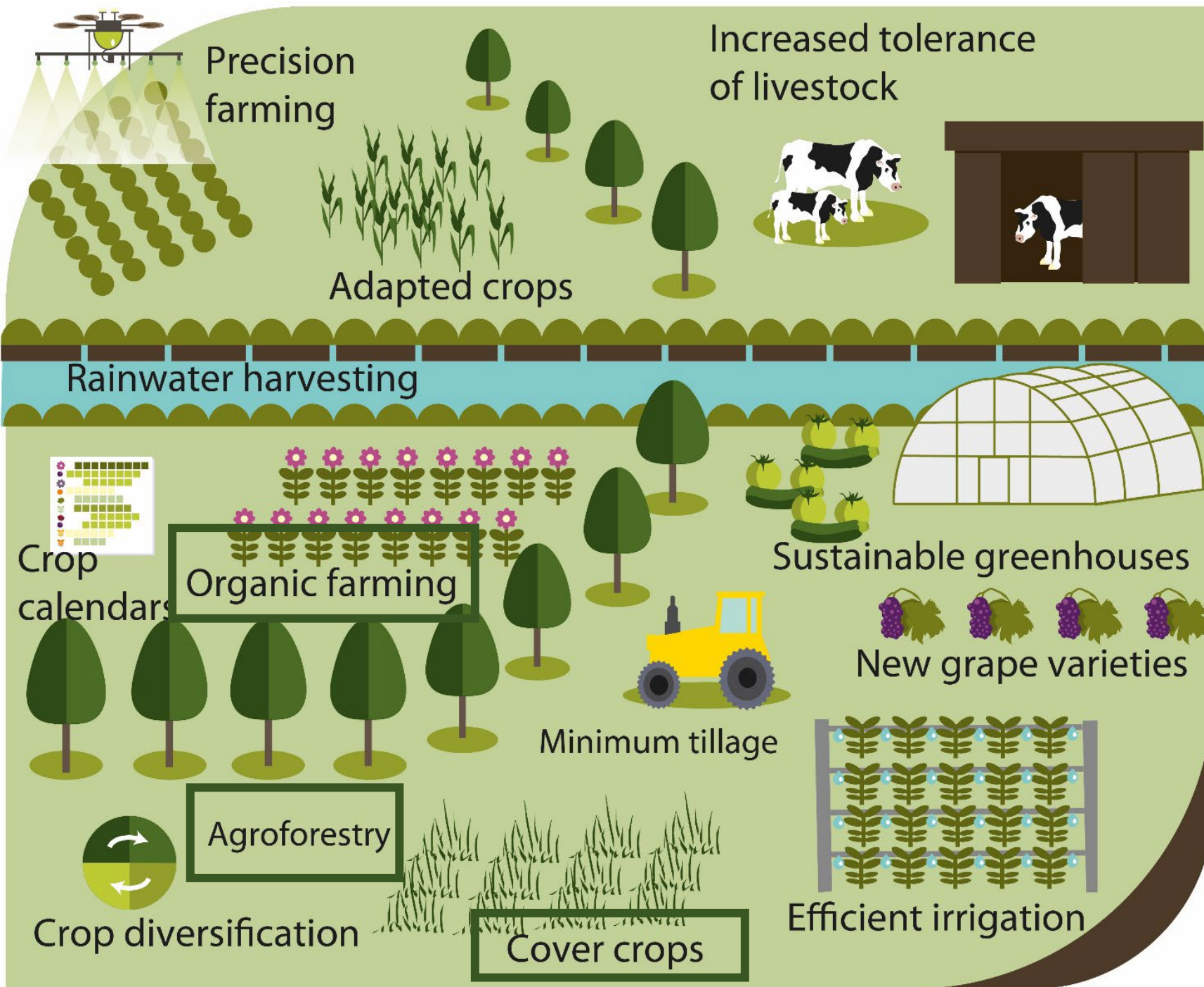


Climate change will affect the economy of farmers

Projected change in farmland value by 2100



- Agricultural income in Europe is projected to decrease
- **Farmland values projected to decrease the most in southern Europe** (mostly due to droughts/water scarcity)
- Some farmland might be abandoned due to climate change if no adaptation is introduced



Nature-based solutions (agroforestry, cover crops, organic farming, ...) are part of the solution to **reduce climate risks**

And also:

- Sustain resilient production
- Conserve soil and water resources
- Reduce emissions
- Increase sink of CO₂
- Be economically viable
- Increase the quality of rural life

Key takeaways



- **2024 was the warmest year recorded** and above 1.5 °C. Several major climate risks for Europe have already reached critical levels.
- Almost **all major climate risks could reach critical or even catastrophic levels during this century**, under a high warming scenario.
- **Water resilience is central for managing major climate risks.**
- **Nature-based solutions are a crucial part of the societal preparedness.**
- Most major climate risks are co-owned by the EU and its Member States – **working together at all governance levels is essential to progress.**
- **The new European Climate Adaptation Plan should be systemic and complement national adaptation actions.**



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<https://climate-adapt.eea.europa.eu/observatory>

European Climate Data Explorer

<https://climate-adapt.eea.europa.eu/knowledge/european-climate-data-explorer/>

Summer extremes platform

[Climate change \(europa.eu\)](http://Climate%20change%20(europa.eu))

Thank you!

Blaz.Kurnik@eea.europa.eu

European Environment Agency



Futuring for transformative agricultural change

Examples from the US and the EU

Julien Vastenaekels

University of Reims Champagne-Ardenne

In collaboration with **Emily Burchfield**, Emory University



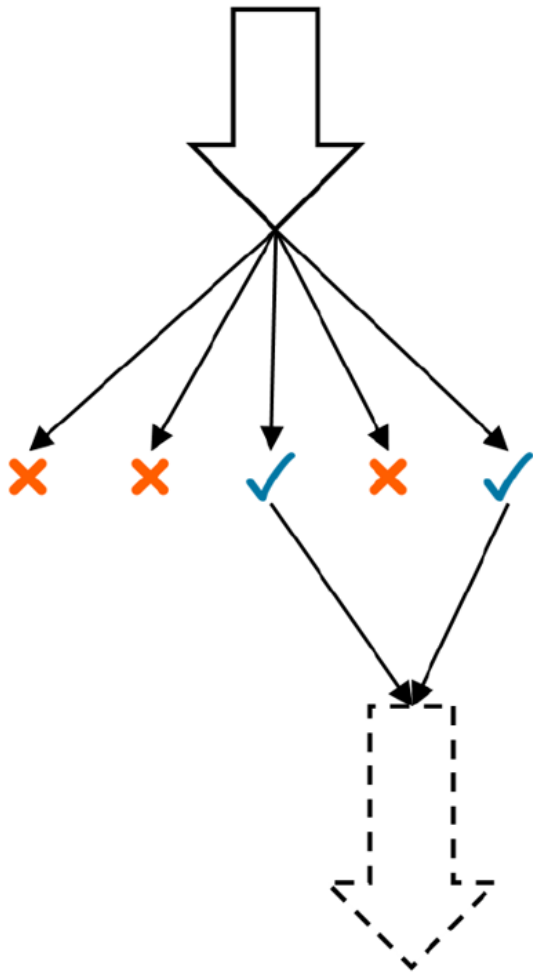
Major **transition** is **necessary** and **inevitable**.

Transition towards ***what?***

And given where we are, **how do we get there?**

How do we (as researchers and stakeholders) **support transition?**

How might agricultural systems change in the future?

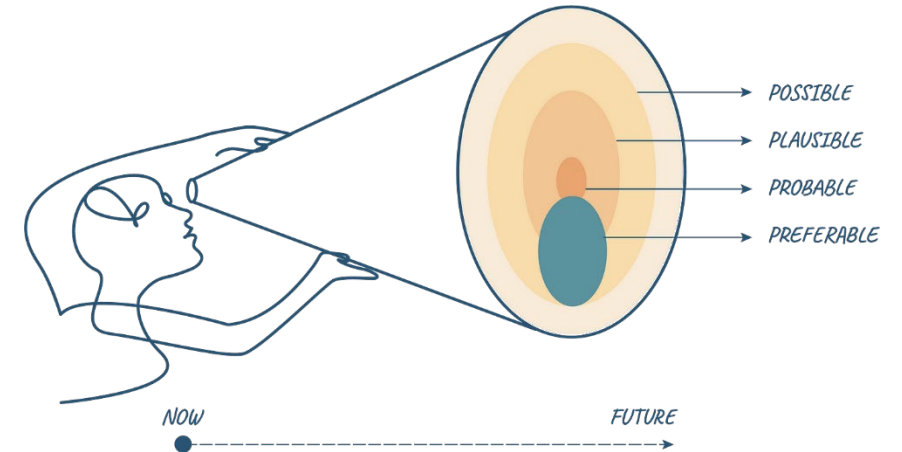


Step 1 – What is?
Develop a shared understanding of the system.

Step 2 – What could be?
Explore potential evolutions of the system.

Step 3 – What should be?
Select acceptable pathways of change.

Step 4 – Toward a renewed 'what is.'
Collectively propose and implement change.



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Illustration by Nathalie-Raux-Copin (2023)

Predictive modeling of agricultural land use in the US

- What predicts where major crops have been grown historically?
 - Which variables matter? Where? How?
- What are the implications for the future?
 - As climate changes (fairly easy)
 - As humans respond to changes in climate (very challenging)

More here:

- Burchfield, E. K. (2022). Shifting cultivation geographies in the Central and Eastern US. *Environmental Research Letters*, 17(5), 054049.
- <https://www.thrivingfuturecropsapes.org/>



How to model the people, *with and for* the people?

Here's what Emily's team has been experimenting with:



BEFAST - Bioeconomy of the EU: Futures, Anticipation, and System Transformations

- EU bioeconomy is shaped by **coexisting** and **competing** trajectories:
 - **Industrial-scale** biomass and **biorefineries** vs. decentralized **agroecological** models
- Are we **reinforcing unsustainable paths** or opening **new possibilities**?
- Using system dynamics modeling and stakeholders engagement to explore alternative policy **scenarios**

Stakeholder engagement: Key to viable transitions

- What is '**desirable**' is not **predefined**—it is **negotiated**
- Competing visions: Agribusiness, policymakers, farmers, NGOs
- Without including marginalized voices, transitions risk being captured by dominant players
- Participatory futuring ensures research and recommendations align with **real-world needs**, not just theoretical goals

Why this matters for policy and investment

- Futuring exercises reduce investment risk by providing **long term visions**
- They reveal hidden **leverage points**—many barriers are systemic, not technical
- Aligning funding with sustainability requires clear, **evidence-based pathways**
- Policy and investment must steer **transformations** not just scaling up

We need more agricultural futuring research

- **Agricultural transitions will happen** — with or without futuring.
- The question is: **Who is shaping them and in which direction?**
- Investing in future-driven research fosters:
 - Coordinated policy and finance
 - Socially and economically viable transitions
 - Sustainable, just, and resilient agricultural futures

OP2B, scaling up Regenerative Agriculture

Stefania Avanzini
Feb 19, 2025



World Business
Council
for Sustainable
Development

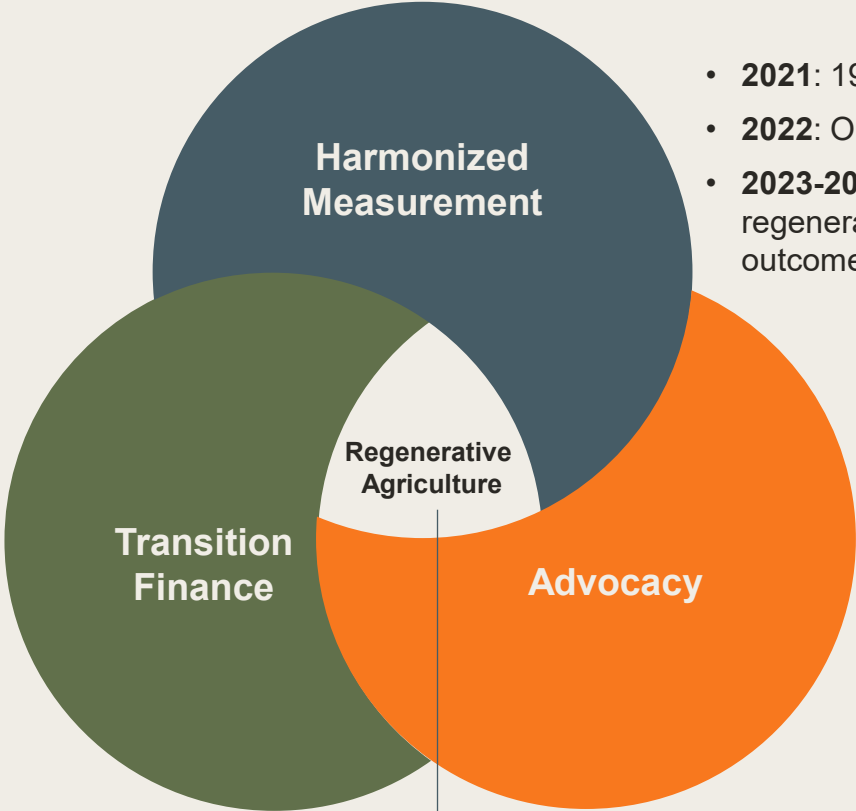


OP2B is a coalition of leading businesses in regenerative agriculture who are investing in farmers' transitions

\$3.6 BN invested

300k farmers engaged

3.9M hectares impacted



- **2023:** Showcased a successful farmer transition model in *Cultivating Farmer Prosperity*.
- **2024:** United 250+ OP2B members, landscape initiatives, financiers, and policymakers to drive collaborations for financing regenerative agriculture in Europe
- **25 work is missing**

- **2021:** 19 value chain actors united on regenerative ag principles.
- **2022:** OP2B members aligned on restoration action principles.
- **2023-2024:** 52 companies and 33 partners unified over a shared regenerative vision, impacting 1,100+ businesses with 11 outcomes and 10 indicators.

- **2021-2024:** Contributed to EU Soil Health Law, CBD Biodiversity Framework, and Nature Restoration Law.
- **2022-2023:** Held workshops with the EU Commission and 12 OP2B members on financing and derisking farmer transitions.
- **Ongoing:** Advocating OP2B's regenerative ag definition for adoption at UNCCD COP16

▶ **2021- 2024:** compendium of **66 case studies** & 15+ impact stories of members

25 OP2B members* with combined revenues of +682 bn USD

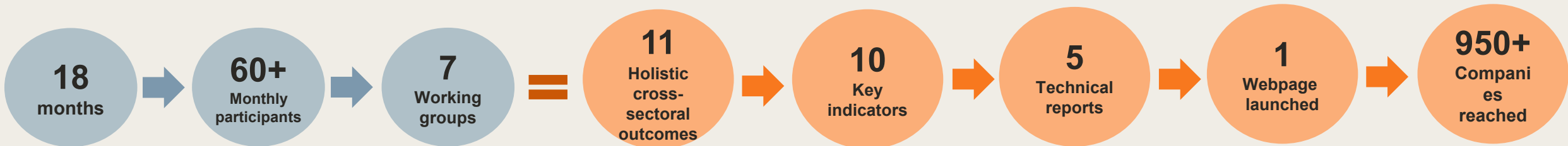


Regenerative agriculture impact 2023-24

A shared vision for regenerative agriculture



Outcomes	Indicators
Reduced GHG emissions	GHG emissions
Increased sequestered above-and-below ground carbon	Soil carbon sequestration
	Total carbon sequestration
Increased soil health	Soil organic carbon
Improved environmental flows	Blue water withdrawal
Minimized water pollution	Nutrient Use Efficiency
Increased cultivated biodiversity	Crop diversity
Improved ecological integrity	Natural/restored habitat in agricultural landscapes
Reduced pesticide risk	Pesticide risk
Increased financial benefits	Farmer net income
Increased social benefits	
Increased wellbeing	



OP2B's position paper and policy asks

Read the [full position paper here](#)



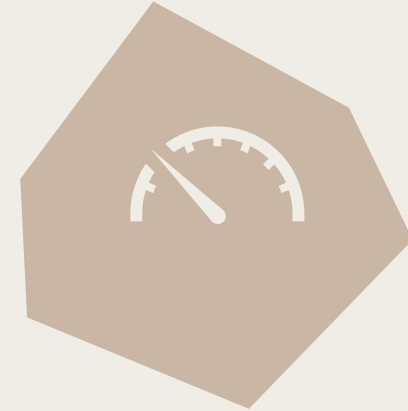
Support and accelerate transition to RegenAg:

1. Align policies to improve outcomes related to soil health, biodiversity, water, climate and farmer livelihoods.
2. Support the development of new equitable business models and reinforce markets for ecosystem services
3. Improve access to peer-to-peer training, technical assistance and knowledge.



Financing & De-risking farmers:

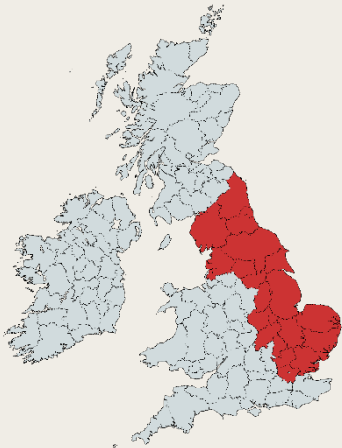
1. Repurpose subsidies to accelerate the transition
2. Foster public-private partnerships to scale up and accelerate the transition to regenerative agriculture and promote collaboration within value chains.
3. Establish risk-sharing mechanisms and insurance programs



Accountability and metrics

1. Provide clear and consistent metrics through established standards
2. Support farmers in collecting and reporting data.
3. Align policy frameworks with internationally recognized standards

LENs' East of England project



- **# of interested OP2B members:** 5
- **# of members engaged:** 3
- **Crops of interest:** milk; wheat; rapeseed; potato; bovine, ovine, and caprine leather;

Funding availability Overview

Fund	Per project fund availability
Soil Capital (private carbon credit)	€37.8 million - €121.3 million*
Sustainable Farming Incentive (Public/National)	Between £10 and £732 per hectare, depending on the action. Max funding of £36.6 million*
UK Government Defra Sustainable Farm Incentive	
VanLanschot (Private equity)	Size of fund is €400 million. Single investments from €10-25 million for medium sized farms.

*Funds availability is estimated based on a 50,000 ha project scope

Local context

Current regenerative market:

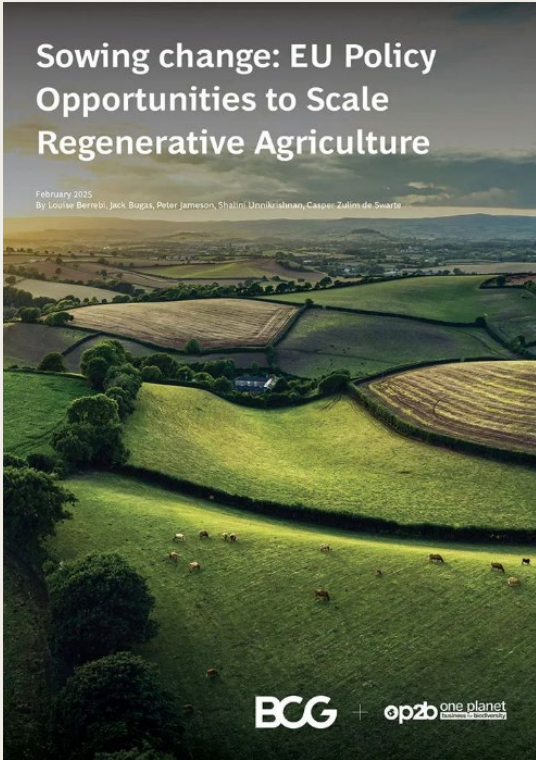
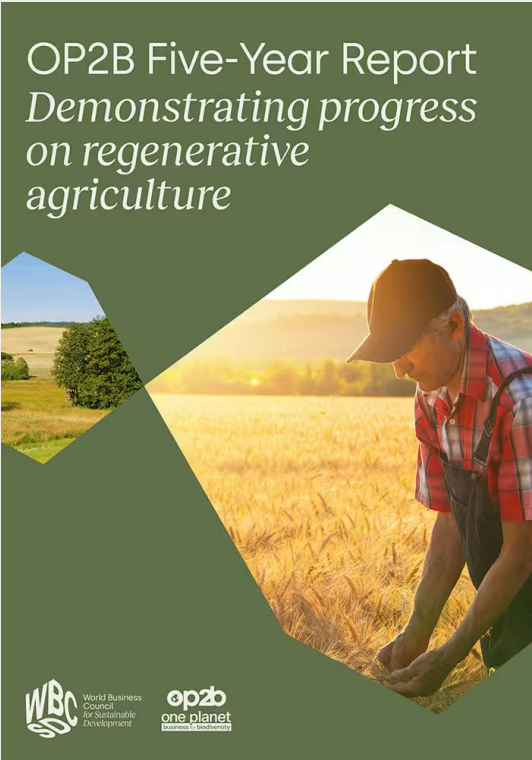
LENs works beyond regen ag- including water resilience, livelihoods and infrastructure and key assets. There is high diversity of land-uses- including root crops; arable; conservation bodies.

Regional political support:

West Northamptonshire Council are a funder and LENs has funding from the Environment Agency

Further reading

<https://www.wbcd.org/actions/one-planet-business-for-biodiversity-op2b/>



Insights into the state of transition

Sowing change: EU Policy Opportunities to Scale Regenerative Agriculture was published yesterday.

OP2B/ BCG/ Carlsberg



Sustainable economics



Appropriate value chain and cross-chain partnerships



Standardized MMRV systems and Tools

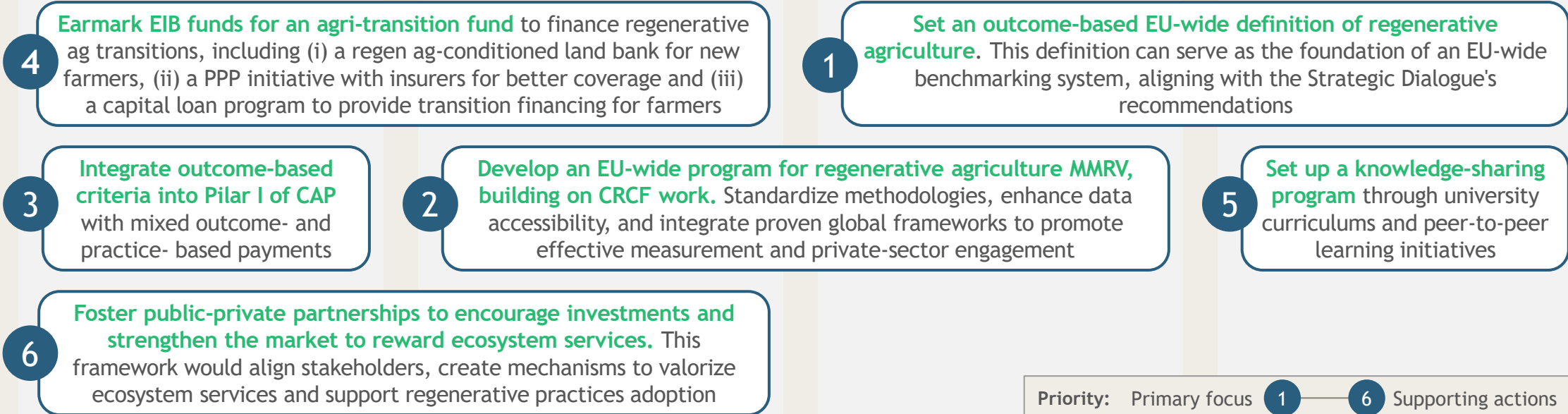


Farmer training & technical guidance

Enabler



Adequate policy frameworks and PPP



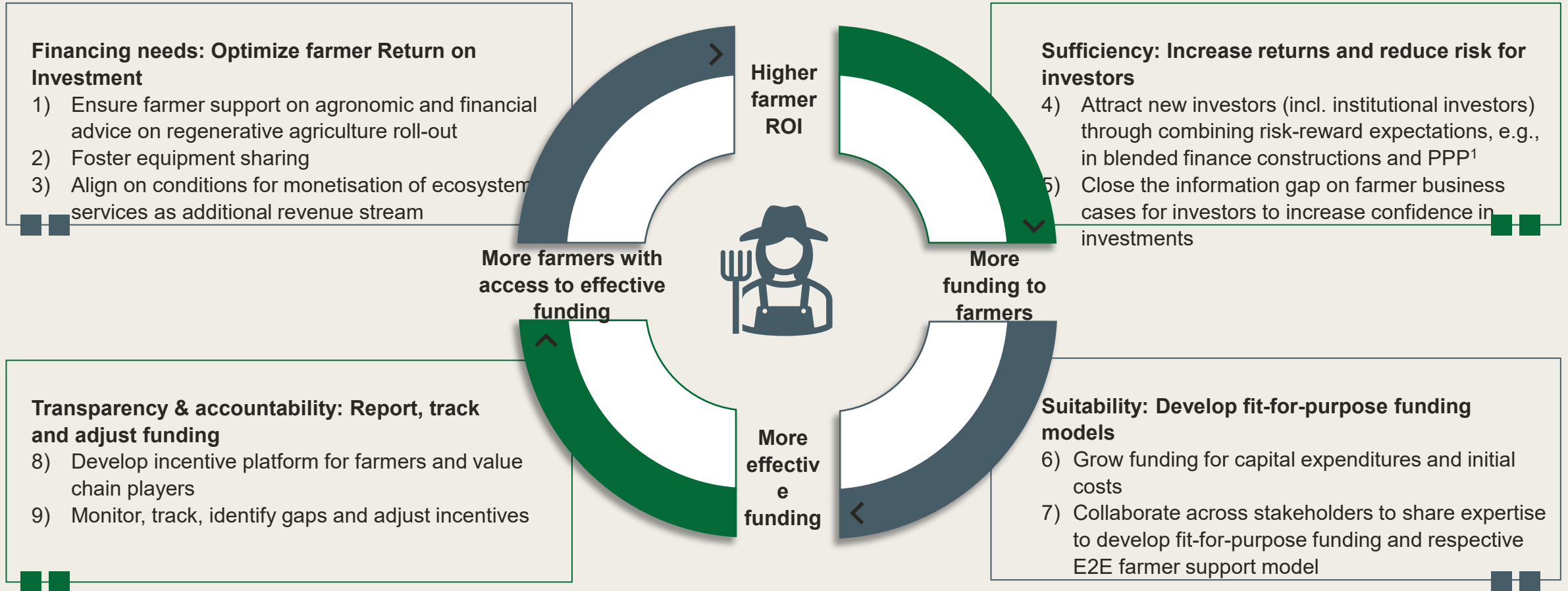
Priority: Primary focus **1** — **6** Supporting actions

Closing the Gap: an economic analysis of costs and incentives in Europe

OP2B/ Deloitte/ PepsiCo/Unilever

De-risking the farmer business case, increasing investor returns, developing fit for purpose funding and making funding accessible will ensure a positive economic model for farmers

9 major recommendations to help farmers achieve a positive economic model



Notes: 1. Public-private partnerships

Source: Deloitte Cost and Incentives analysis, expert interviews

The logo for ILVO, consisting of the letters 'ILVO' in a large, white, sans-serif font.

Instituut voor Landbouw-,
Visserij- en Voedingsonderzoek

An aerial photograph of a flooded agricultural field. The water is a deep blue, and the surrounding land is green. In the background, there are several wind turbines and a residential area under a blue sky with scattered clouds.

DEALING WITH WATER SECURITY AND WATER SAFETY IN
AGRICULTURE

SARAH GARRÉ

Coordinating and
aligning public and
private finance for the
transition to
sustainable and
resilient agriculture

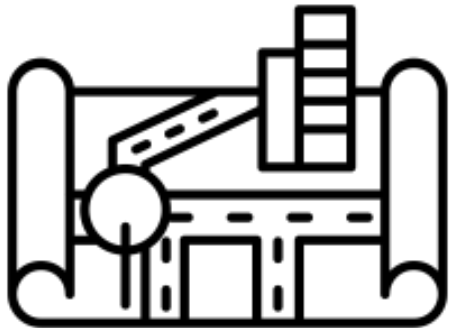
IEEP seminar, 11/02/2025

Water security and safety: a real challenge for Flanders



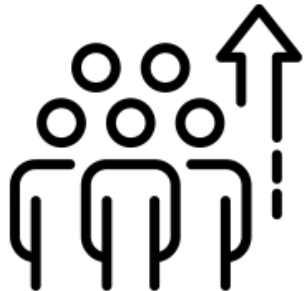
More frequent extreme events

+

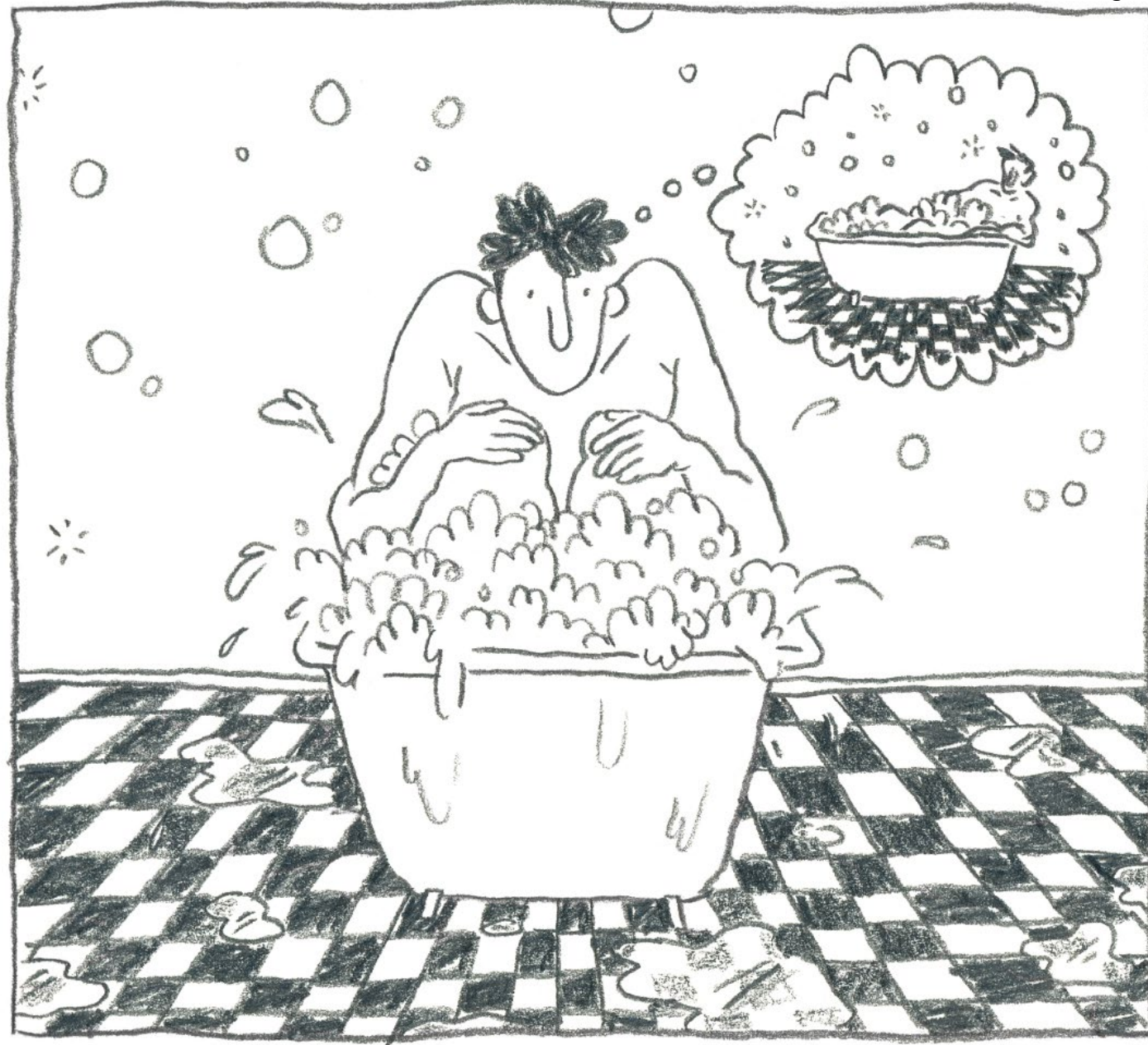


Intense land use, soil sealing and compaction
Reduced groundwater recharge

+



High population density:
High water demand



Store water in reservoirs?





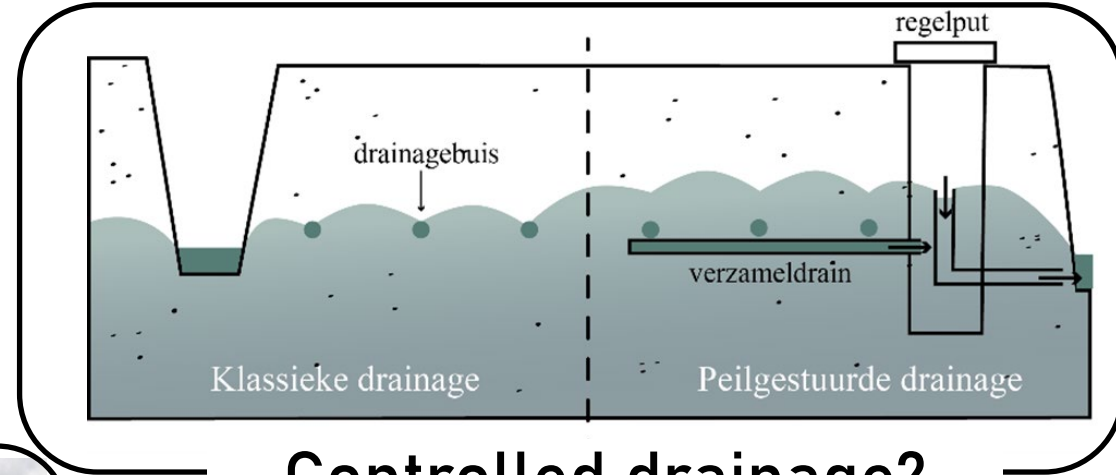
Not only too dry...



How retain water in the agricultural landscape?



Weirs?



Controlled drainage?

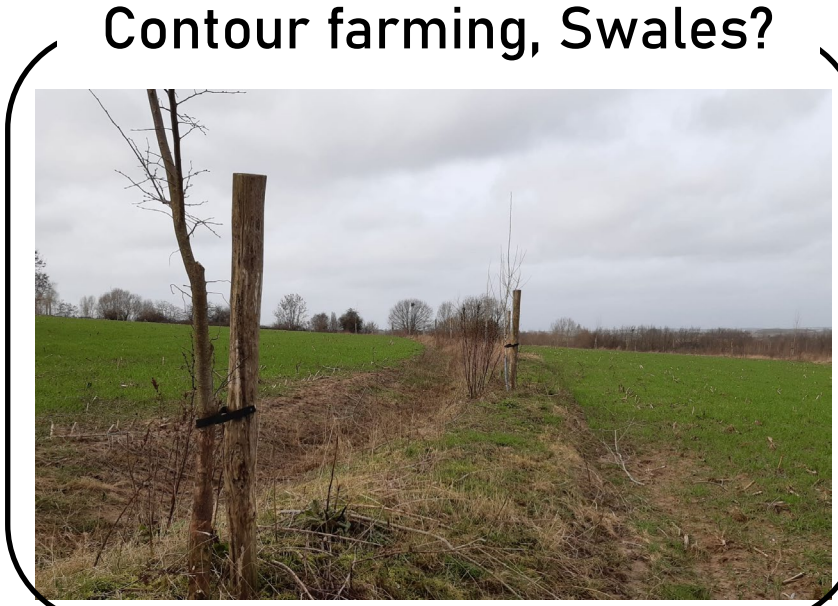


Paludiculture?



Bodemzorg?

... + ... + ... ?



Contour farming, Swales?

Needs significant infrastructure, labour and knowledge: who supports & who pays?



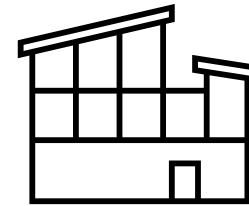
Government



Consumer



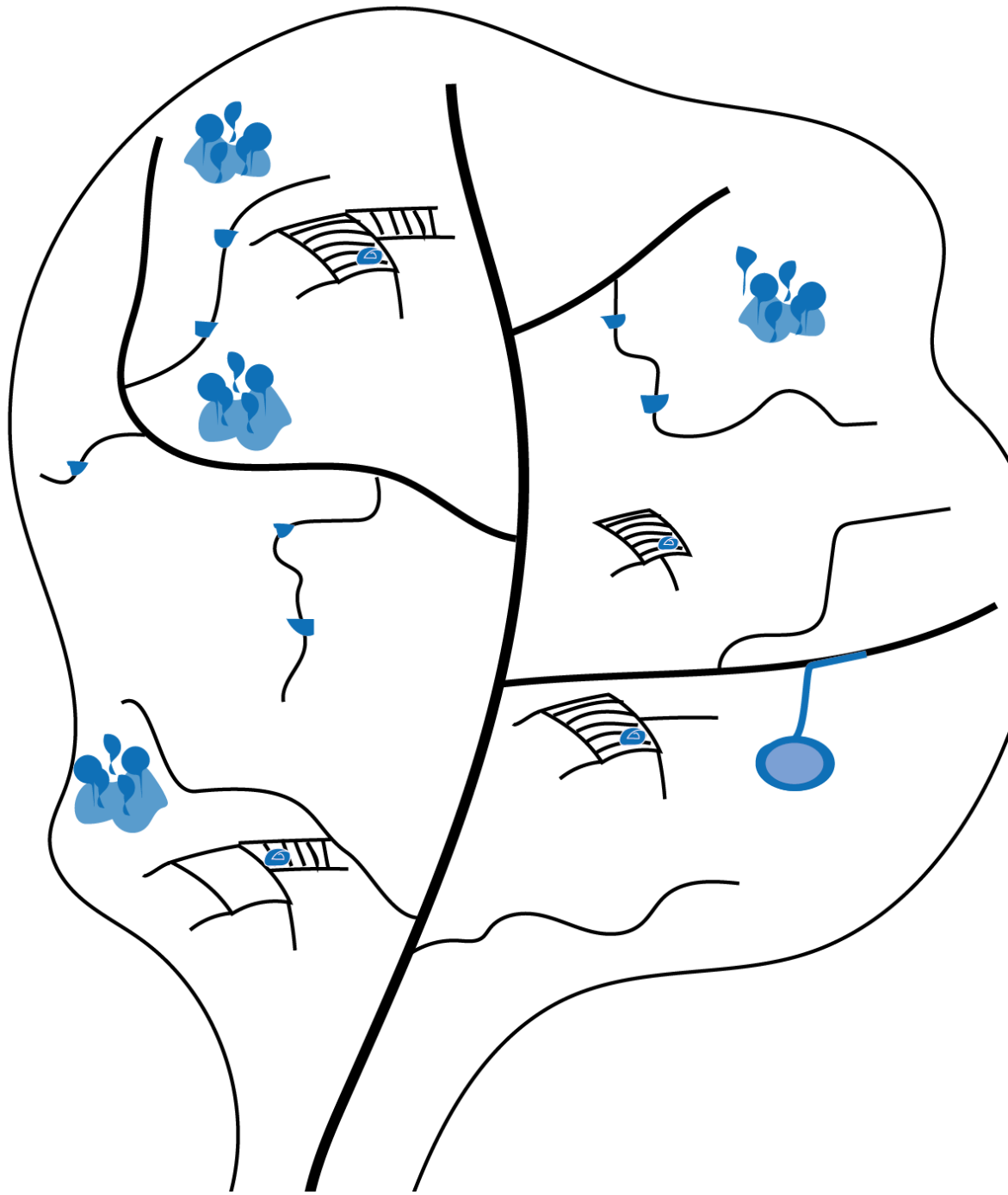
Farmer



Processing
industry



Retail



Nature-based solutions and instruments to realize visions at landscape scale



Reflect on spatial planning and necessary land use changes

The importance of social capital

Thank you!

Questions?

Contact: Sarah.Garre@ilvo.vlaanderen.be

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Session II: Coordinating and aligning public and private finance for the transition to sustainable and resilient agriculture



Presentation

Blaz Kurnik

Head of Climate Risks and Resilience Unit
European Environment Agency



Moderator

Melanie Muro

Head of CAP and Food
IEEP



Julien Vastenaekels

University of Reims Champagne-Ardennes & Environmental Defense Fund (EDF)



Sarah Garré

Professor
ILVO Vlaanderen



Stefania Avanzini

Director
OP2B



Emmanuelle Mikosz

Programme and Deputy Director
Forum for the Future of Agriculture





Institute ^{for}
European
Environmental
Policy

Coffee break



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Ask your questions on
Slido.com
#1005658

European Climate Risk Assessment for businesses: preparing for a resilient and competitive business in 2025



Conclusive remarks

Blaz Kurnik

Head of Climate Risks and Resilience Unit
European Environment Agency

Closing of the workshop **Mercedes Sanchez Varela**

Member of the Board
Institute for European Environmental Policy (IEEP)





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Environmental
Policy

Thank you for your participation