

CLIMATE RISK ASSESSMENTS FOR EVERY EUROPEAN REGION



CLIMAAX
climate ready regions



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Horizon Europe project

Climamax (Deltares)



Interface:



Hamnpiren Helsingborg, julstormen 1902,
Nilson, Alfred B, Helsingborgs museer

Forsee Skåne

CLIMAAX program inom Horizon



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Forsee Skåne CLIMAAAX inom Horizon

Framework for climate-multi-risk assessment to evaluate and adapt

- 285 000 euro – ingen medfinansiering krävs
- Projektstart 1 mars 2025 – avslutas 31 december 2026



Vad projektet ska leverera

- Multi – risk climate assessment (klimat och sårbarhetsanalys) – klart september 2025 (fas 1)
- Refined regional climate multi-risk assessment i dialog med kommuner m.fl. – juni 2026 (fas 2)
- Adaptation strategies and improved risk management plans – december 2026 (fas 3)



Fas 1 – analys av klimatrisker i modell

Risk workflows

How to use risk workflows

 RIVER & COASTAL
FLOODS

 HEAVY RAINFALL

 HEATWAVES

 DROUGHTS

 FIRE

 SNOW

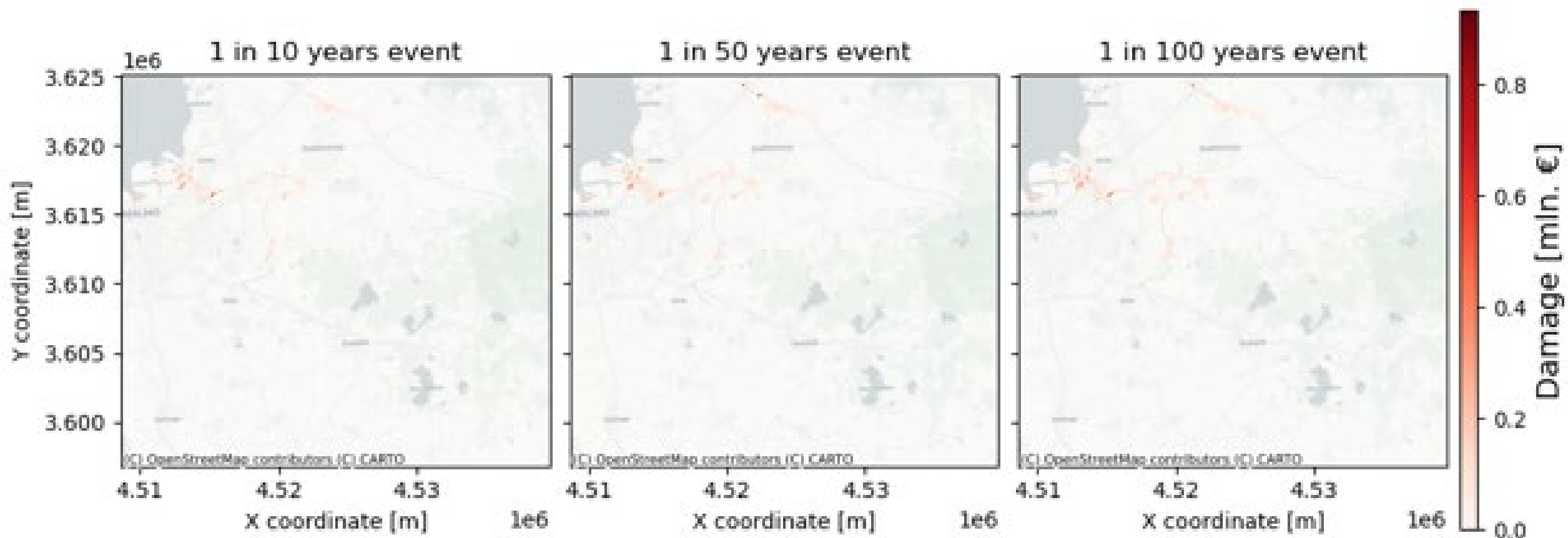
 WIND

HAZARD × **EXPOSURE** × **VULNERABILITY** = **RISK**

- Changing trends in climate hazards (extreme weather or hydrological conditions)
- Changing exposure (due to evolving land use or infrastructure layout)
- Changing vulnerability patterns (due to dynamic population structures)



River flood damages for extreme river flow scenarios in current day climate



Fas 2 fördjupade klimat- och sårbarhetsanalyser i dialog med kommuner m.fl.

Key Risk Assessment Dashboard (Risk Evaluation)

Risk Workflow	Severity		Urgency	Capacity	Risk Priority
	C	F		Resilience/ CRM	
River flooding	Substantial	Critical	Immediate action needed	Substantial	High
Coastal flooding	Substantial	Moderate	No action needed	Substantial	Low
Heavy rainfall	Moderate	Critical	Immediate action needed	Critical	Very high
Heatwaves	Substantial	Substantial	More action needed	Substantial	High
Drought	Substantial	Substantial	More action needed	Moderate	High
Fire	Substantial	Substantial	Watching brief	Moderate	Moderate
Snow	Moderate	Substantial	No action needed	Critical	Low
Wind	Moderate	Moderate	Watching brief	Moderate	Moderate

Severity	
■	Critical
■	Substantial
■	Moderate
■	Limited

Urgency	
■	Immediate action needed
■	More action needed
■	Watching brief
■	No action needed

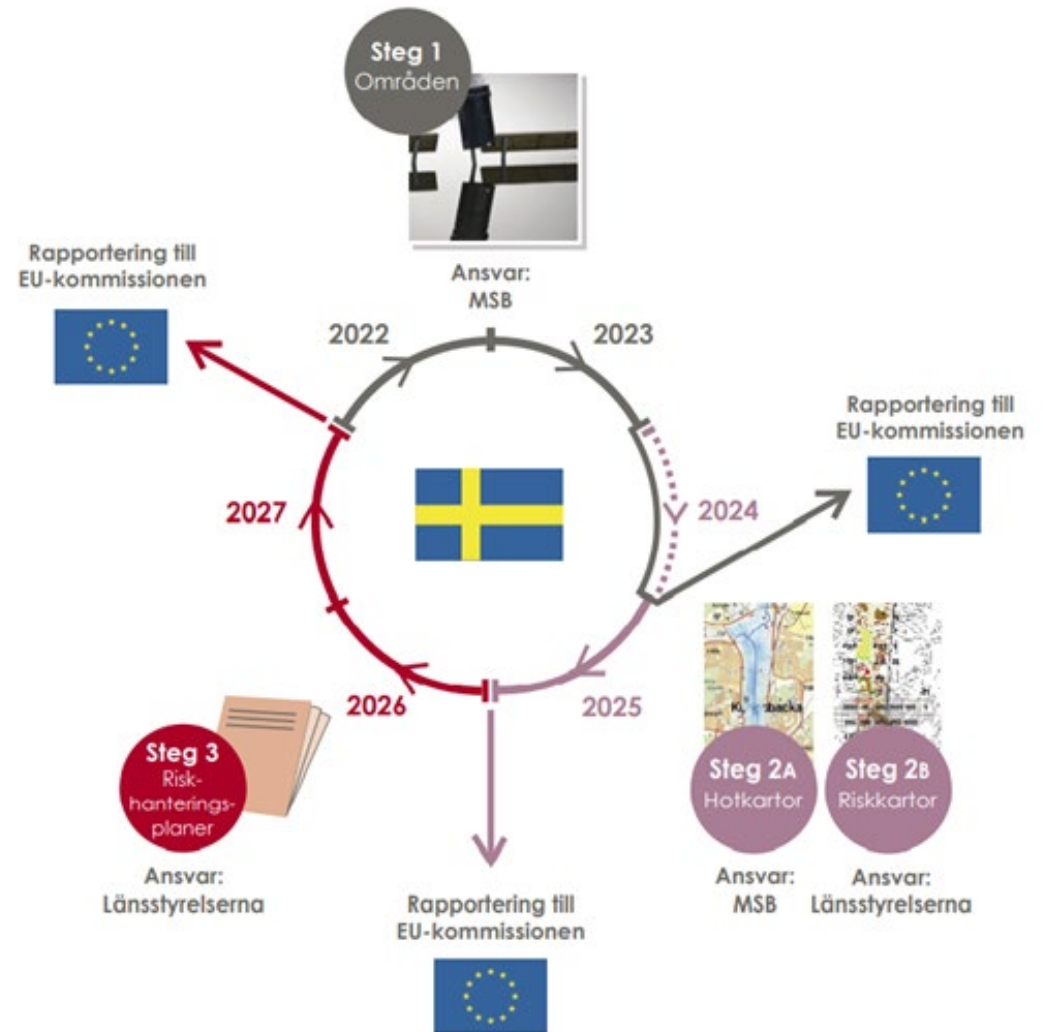
Resilience Capacity	
■	High
■	Substantial
■	Medium
■	Low

Risk Ranking	
	Very high
	High
	Moderate
	Low



Fas 3 strategier och planer- koppling till Riskhanteringsplaner

- Testa och jämföra CLIMAAX metodik med MSB metodik för riskbedömning
- Identifiera områden för skyfallshantering i städer
- Identifiera områden för restaurering av sjöar, vattendrag och återvätning ur avrinningsområdesperspektiv



Tack



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