



Sustainable Peri-Urban framework
for Climate Neutral development

SOLUTIONS PROVIDER

SERVE and REACT integrated vulnerability assessment tool



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General Information



Solution Name

SERVE and REACT integrated vulnerability assessment tool



Solution Type

Digital Tool



Solution Owner

IANUS Technologies



TRL Level

TRL 4 - 5

Challenge solved

Target Pain Point

Lack of integrated, real-time and user-friendly tools to assess, visualise, and manage vulnerabilities in peri-urban areas, leading to fragmented decision-making and limited ability to prioritise risks effectively.

The Innovation

Core Functionality

- Vulnerability assessment and risk prioritisation
- Visual risk maps (heatmaps) to highlight critical areas
- Real-time monitoring of key indicators
- Scenario analysis to support planning and decision-making

Beyond State of the Art

- Combines assessment, monitoring, and decision support in one platform
- Provides easy-to-understand visual outputs for non-technical users
- Enables dynamic and continuously updated risk analysis
- Integrates multiple data sources into a unified environment



User value - Benefits

01

Clear identification of high-risk areas through intuitive visualisations (heatmaps)

02

Faster and more informed decision-making based on real-time data

03

Improved planning through scenario analysis and risk prioritisation

04

Enhanced collaboration between stakeholders using a shared platform

Implementation and validation

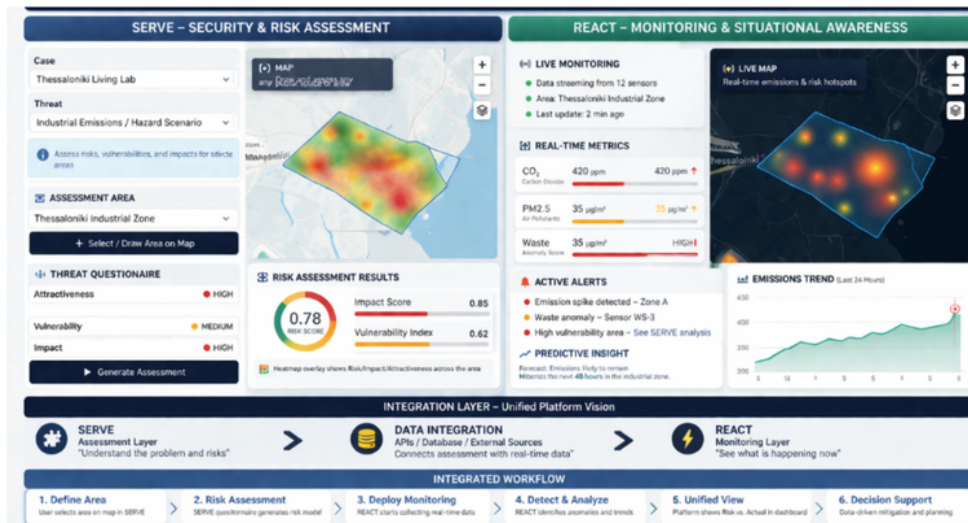
Living Lab

Can be tested in all Living Labs

Replication Potential

The solution is designed to be scalable and adaptable, allowing other cities and regions to adopt it by:

- Integrating their local data sources
- Customising risk indicators to local needs
- Using the platform for planning, monitoring, and resilience strategies



SPURUP

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for Climate Neutral development



National
Technical
University
of Athens



pwc



cesie
the world to only one direction



IUE
Institute
for Urban
Excellence



SIMAVI
Software Imagination & Vision



University of
BRISTOL



WEST
OF ENGLAND
MAYORAL
COMBINED
AUTHORITY



FGS



prometech



DITENCO
ocean efficient engineering



MG sustainable



IANUS
TECHNOLOGIES



ppc inspectra



Suite5
We Deliver Intelligence



Teletia
Technologies



UNIQ CUBE



ΑΘΗΝΑΪΚΗ
ΖΥΘΟΠΟΙΑ



Aalborg
Kommune



CITY OF
THESSALONIKI



ZAGORKA



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PORT OF
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LOGISTICS



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Kommune



AALBORG UNIVERSITY
DENMARK



ULTRAQUA
UV DISINFECTION SYSTEMS



Fulcea



IAMR
European Research Institute
Naples 101



AESS



IESI
Comune di Iesi



CNH



novelcore
Innovation & Commercial



frontier
innovation
centre



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