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MISSION
Improve survival chance of OHCA

Data driven decision making	(Technological) innovation through user centered design		Increase coverage
Base decisions on empirical evidence and insights derived from data analysis for improvement of the network and the platform	Unlock added value from existing data and leverage emerging technologies to enhance the citizen responder platform	Prioritize the needs and experiences of end-users in the design and improvement of the citizen responder platform	Extend the reach and impact of the citizen responder platform to improve existing or add new geographical regions
Examples • Coverage analysis • Dutch Resuscitation Registry • Municipality reporting • Analytics platform	**Examples** • Feedback dispatch center • Non-eye witness alerting • Mobile AED alerting • Stakeholder sessions, more than 100 local partnerships		**Examples** • Interreg NWE project • Effie award 2023 • Poland roll-out • Lithuania roll-out

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Pillar 1: Data driven decision making

Collect (2020-2023)
- Quantative and qualatative
- Alerts: > 50.000
- Questionnaires: > 700.000

Organize
- Structure data
- Data dictionary
- Design with data in mind

Analyse
- Daily operations - after care
- Evaluate performance
- Improve

Share data
- Dutch Resuscitation Network
- Research projects (added value to the network/platform)

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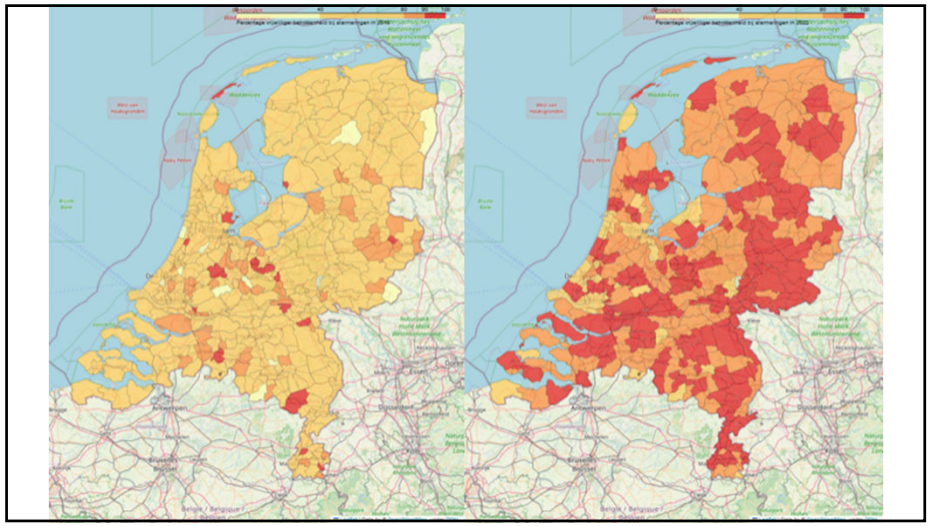

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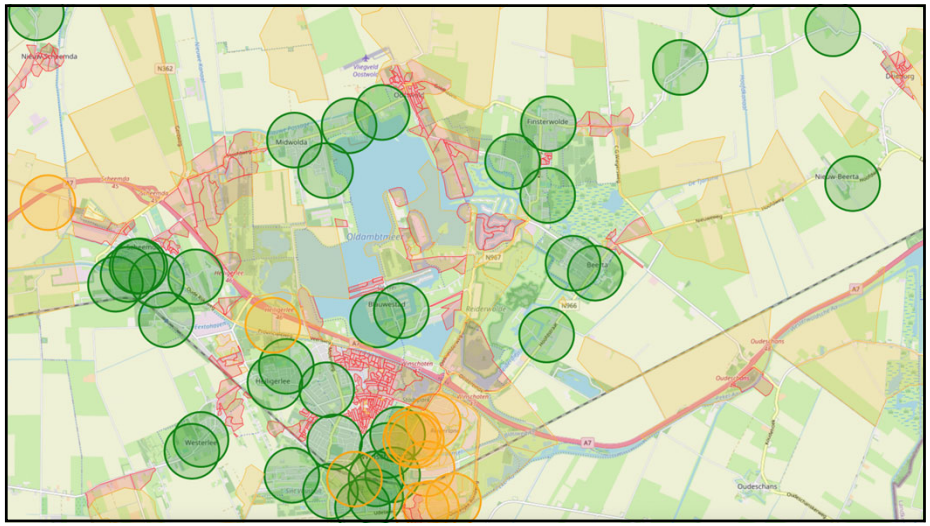

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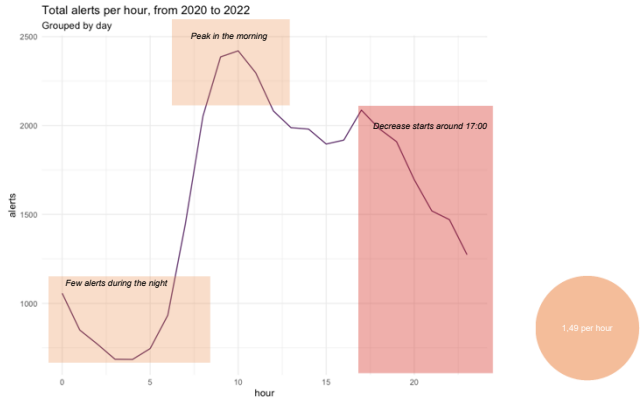
Pillar 2: Technological innovation



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Non-eye witness

Project	HEART-SAFE	BECA	DETECT
Consortium	AMC, UT, 111, Wavy, Stan	TUE, Philips, Caterina Hospital, Tilburg University, Stan	Radboud UMC, Corsano Health, Erasmus MC, Reinier de Graaf Hospital
Solution	A technical solution to automatically and reliably detect OHCA, and to trigger an immediate emergency response.		
Target group	Current and future smartwatch users	Single device design - smartwatch	Single device design - bracelet
Timeline	4 years	3+2 years	3+2 years
Funding	Life-Science Health (HH)	Dutch Heart Foundation	Dutch Heart Foundation

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Data feed dispatch

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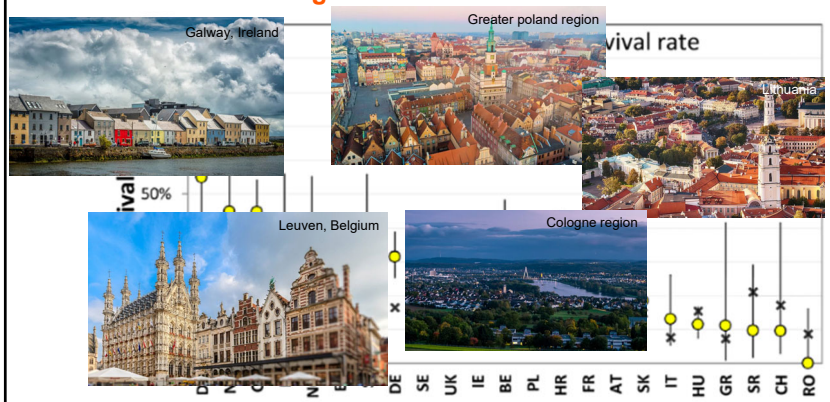
Pillar 3: increase coverage



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Winner Effie 2023 - Best of Europe: Positive Change

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S+an. Standby to help

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S+an

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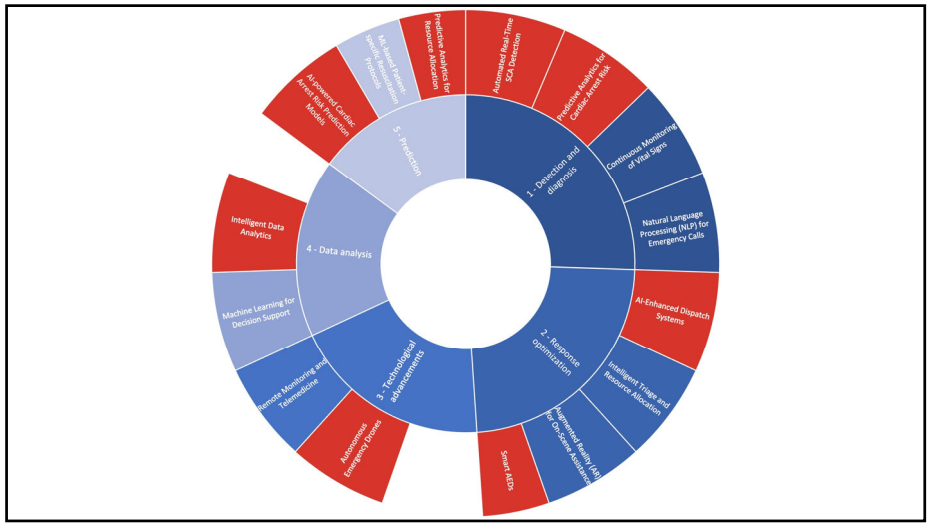
1 - Detection and diagnosis
2 - Response optimization
3 - Technological advancements
4 - Data analysis
5 - Prediction
Automated Real-Time SCA Detection
Predictive Analytics for Cardiac Arrest Risk
Continuous Monitoring of Vital Signs
Natural Language Processing (NLP) for Emergency Calls
AI-Enhanced Dispatch Systems
Intelligent Triage and Resource Allocation
Augmented Reality (AR) for On-Scene Assistance
Smart AEDs
Autonomous Emergency Drones
Remote Monitoring and Telemedicine
Machine Learning for Decision Support
Intelligent Data Analytics
AI-powered Cardiac Arrest Risk Prediction Models
ML-based Patient-Specific Intervention Protocols
Predictive Analytics for Resource Allocation

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