

An ITEA Smart health project

# HekDisco

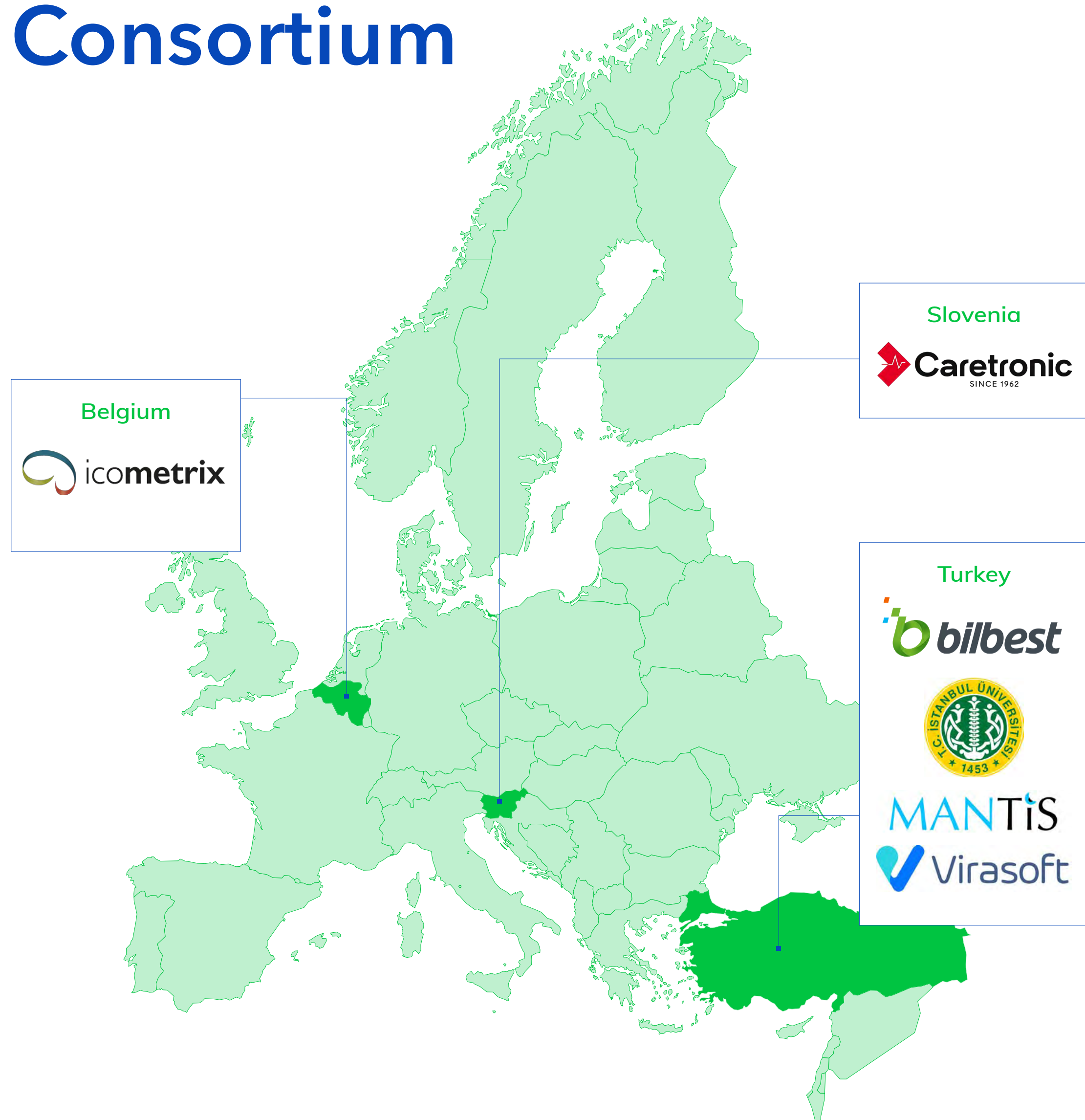
A novel knowledge discovery process



## Project summary

HeKDisco proposes a novel knowledge discovery process in healthcare systems to provide physicians with reliable evidence on treatment stages and clinical events, reducing clinical errors. Following evidence-based medicine (EBM), HeKDisco integrates clinician experience, patient values, and empirical guidelines. It aims to transform big health data from volume-based to value-based by generating a relational knowledge base, leading to innovative treatments, predictive therapeutic outcomes, and early diagnosis.

## Consortium



## Project duration

October 2021 - January 2025

## Expected key results / Unique advantages

- standarization and common data models for knowledge discovery in healthcare
- data-driven decision support systems empowering physicians with reliable empirical evidence
- adaptive analytic systems for early diagnosis and prediction of therapeutic outcomes

## Project website

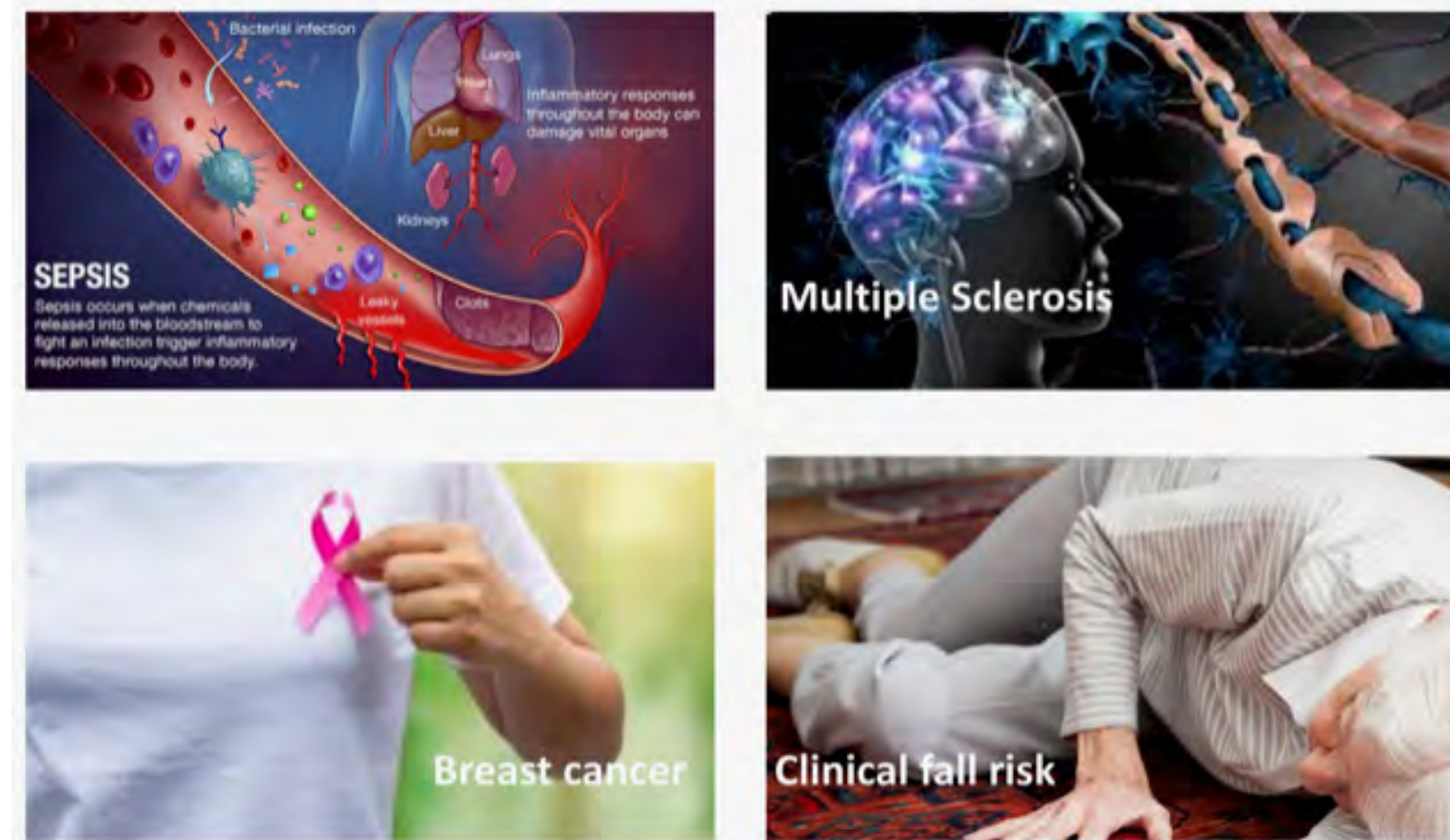


SCAN ME

<https://hekdisco.com/>

## Use cases

1. brain image quantification and tracking of multiple sclerosis disease progression;
2. extracting pathology parameters from histopathology images and reports in breast cancer;
3. extracting clinical parameters for sepsis;
4. extracting sensor-based parameters for fall risk assessment.



## Contact

Diana Sima  
icomatrix - Belgium  
E: [diana.sima@icomatrix.com](mailto:diana.sima@icomatrix.com) T: +32 1 636 9000

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