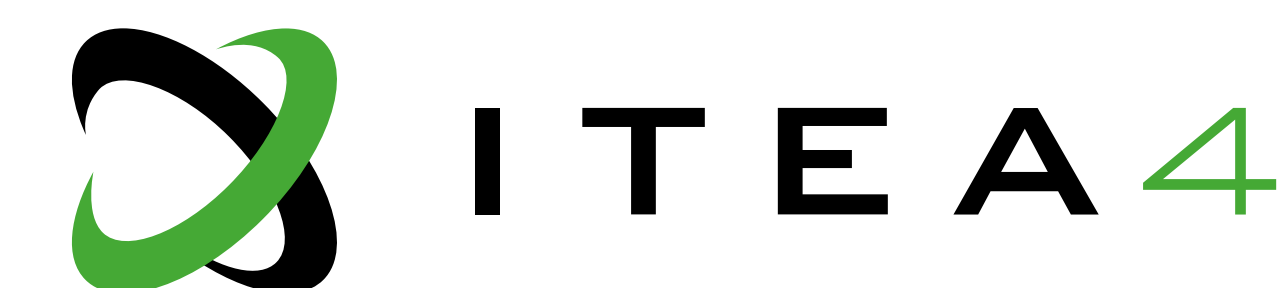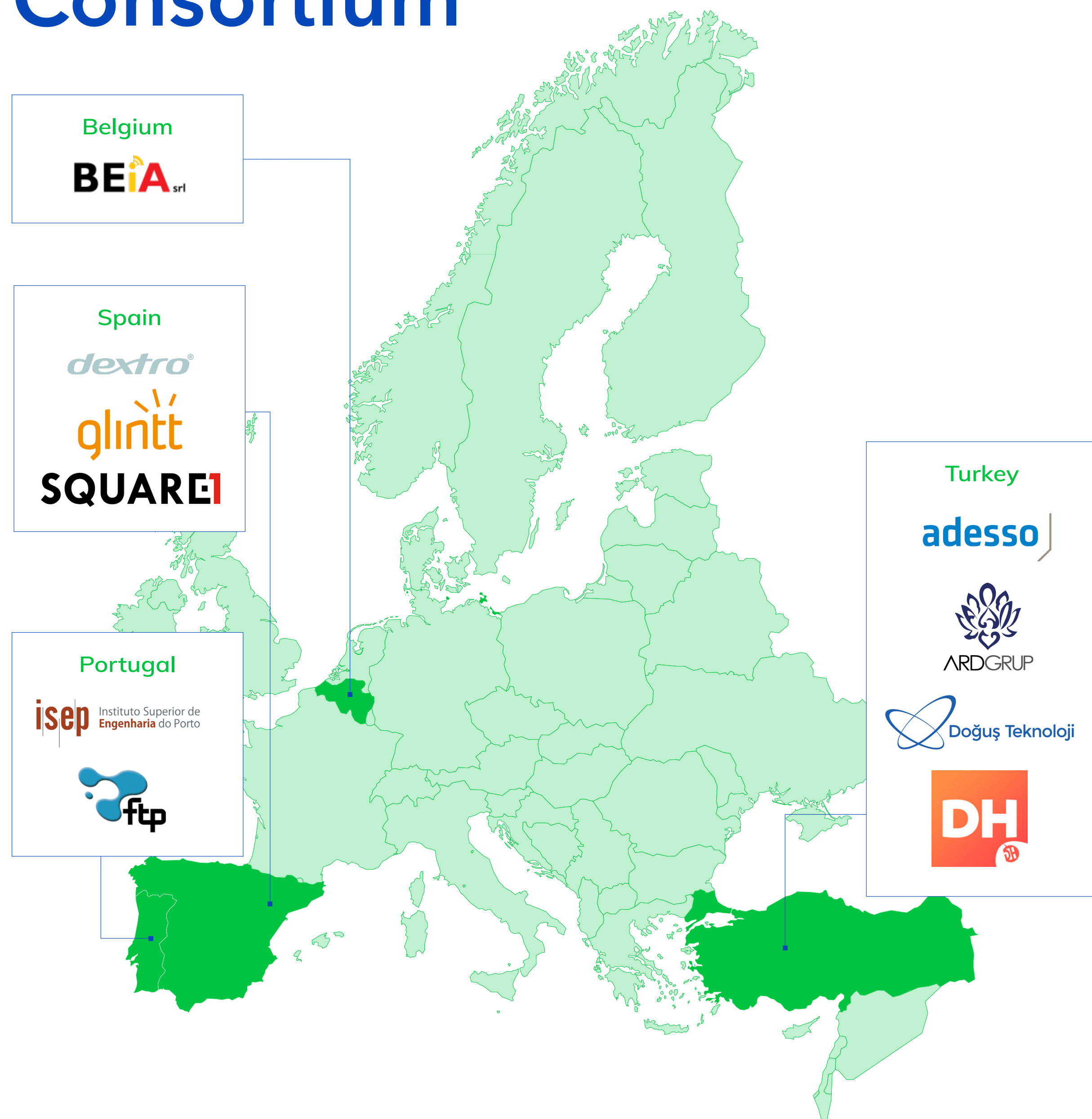**An ITEA Smart communities project**

EARS

ITEA4

Environment Adaptive Recommendation System

Project summary

Knowledge is crucial to success in any domain, but digitalisation has led to enormous amount of data across numerous categories and markets making it difficult to find the right service or product. EARS will create a platform for cross-domain collaboration between recommendation systems (RS) while preserving user privacy, thereby enabling faster and more accurate recommendation services.

Consortium

Belgium
BEIA srl

Spain
dextro
glintt
SQUARE1

Portugal
isep Instituto Superior de Engenharia do Porto
ftp

Turkey
adesso
ARDGRUP
Doğuş Teknoloji
DH

Project duration

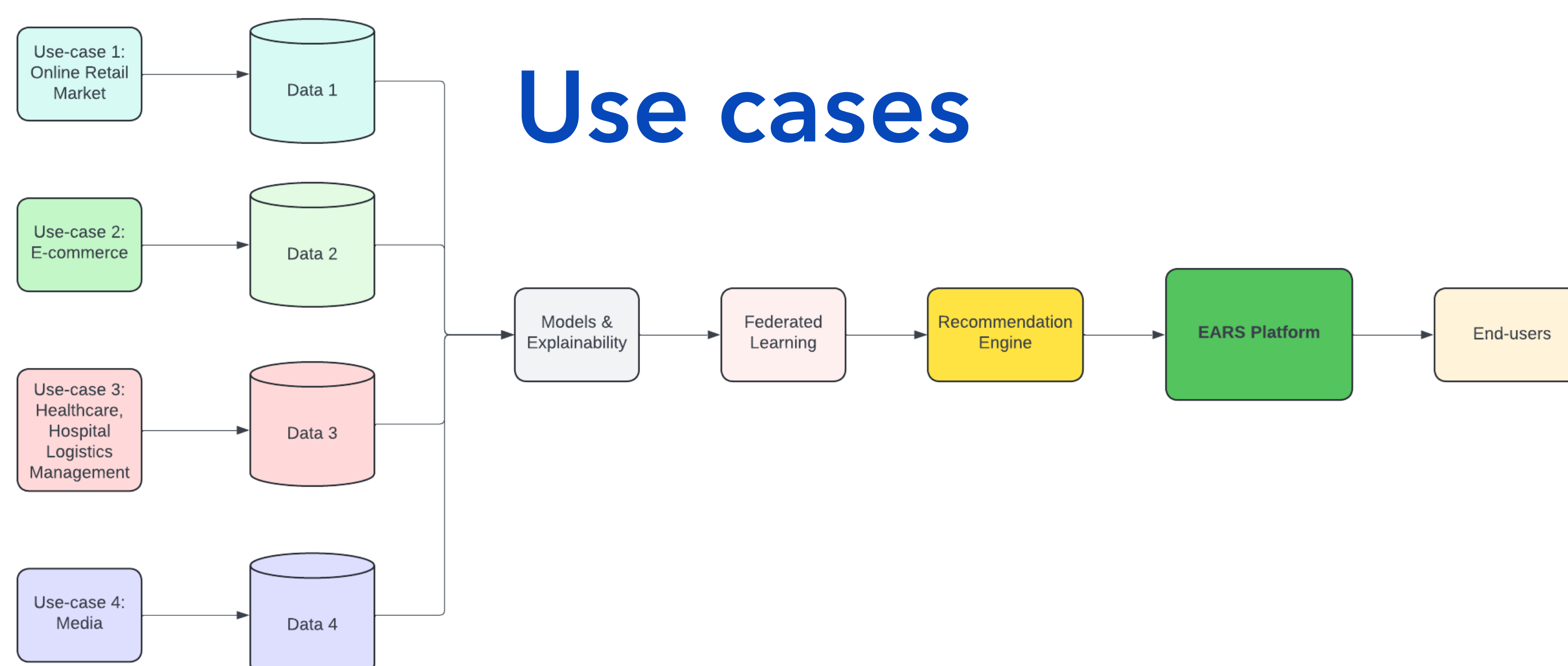January 2023 - September 2026

Expected key results / USPs

> **Hybrid Recommendation System:** Content-based and collaborative filtering techniques
> **Explainable AI:** For providing transparent and understandable recommendations, thereby increasing user trust.
> **Privacy Preservation:** Using federated learning for user data privacy
> **Scalability and Flexibility:** Capable of integrating third-party services and adapting to various domains and use cases.
> **Collaborative Platform:** An integrated ecosystem where various stakeholders can contribute and benefit, fostering innovation.

Project website

SCAN ME

itea4.org/project/ears.html

Use cases

Contact

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This ITEA project is supported by:

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CDTI INNOVACIÓN
TÜBİTAK