



An ITEA Smart communities project



# EARS

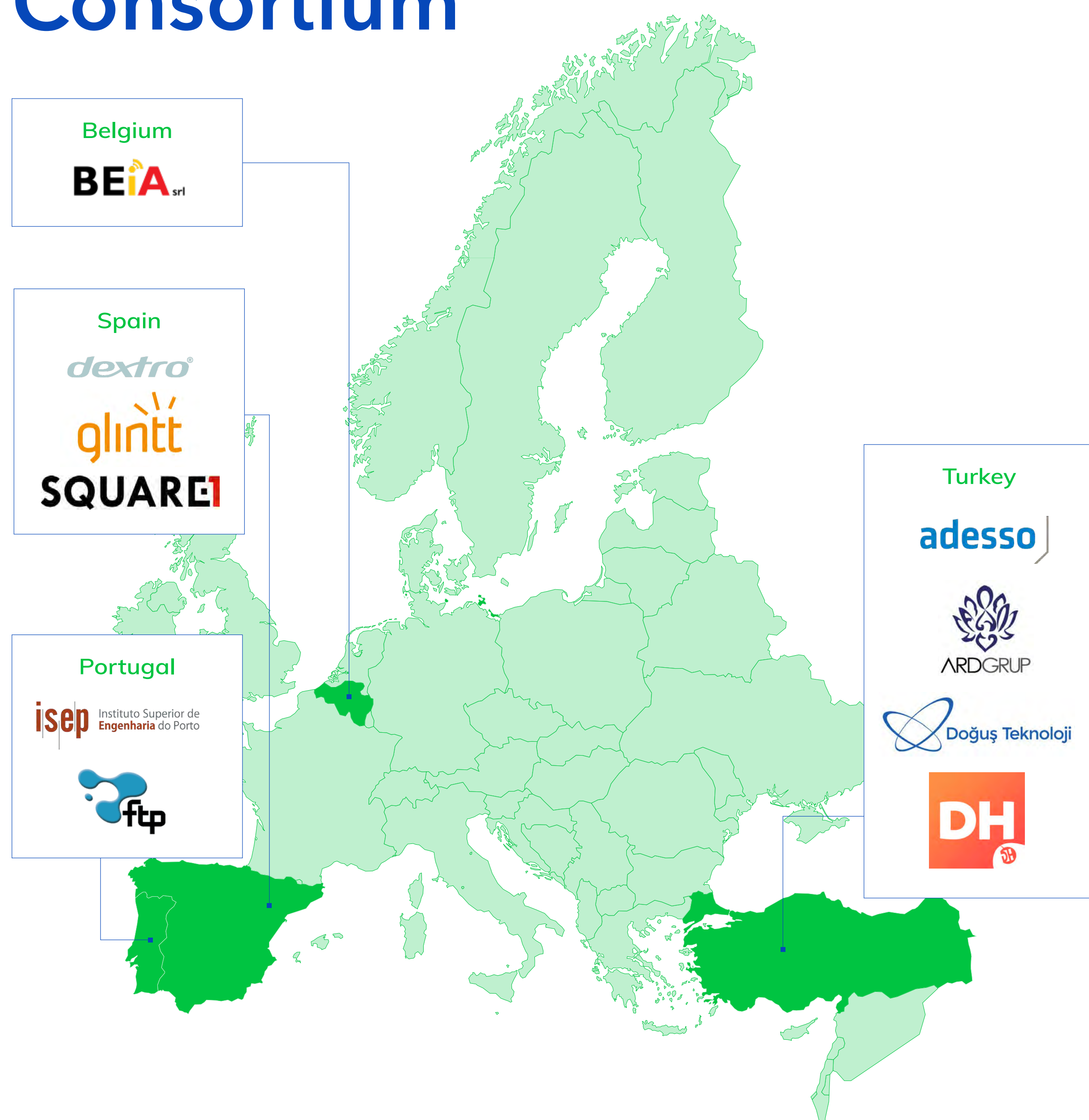


## Environment Adaptive Recommendation System

### 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



### Project duration

January 2023 - September 2026

### Expected key results / USPs

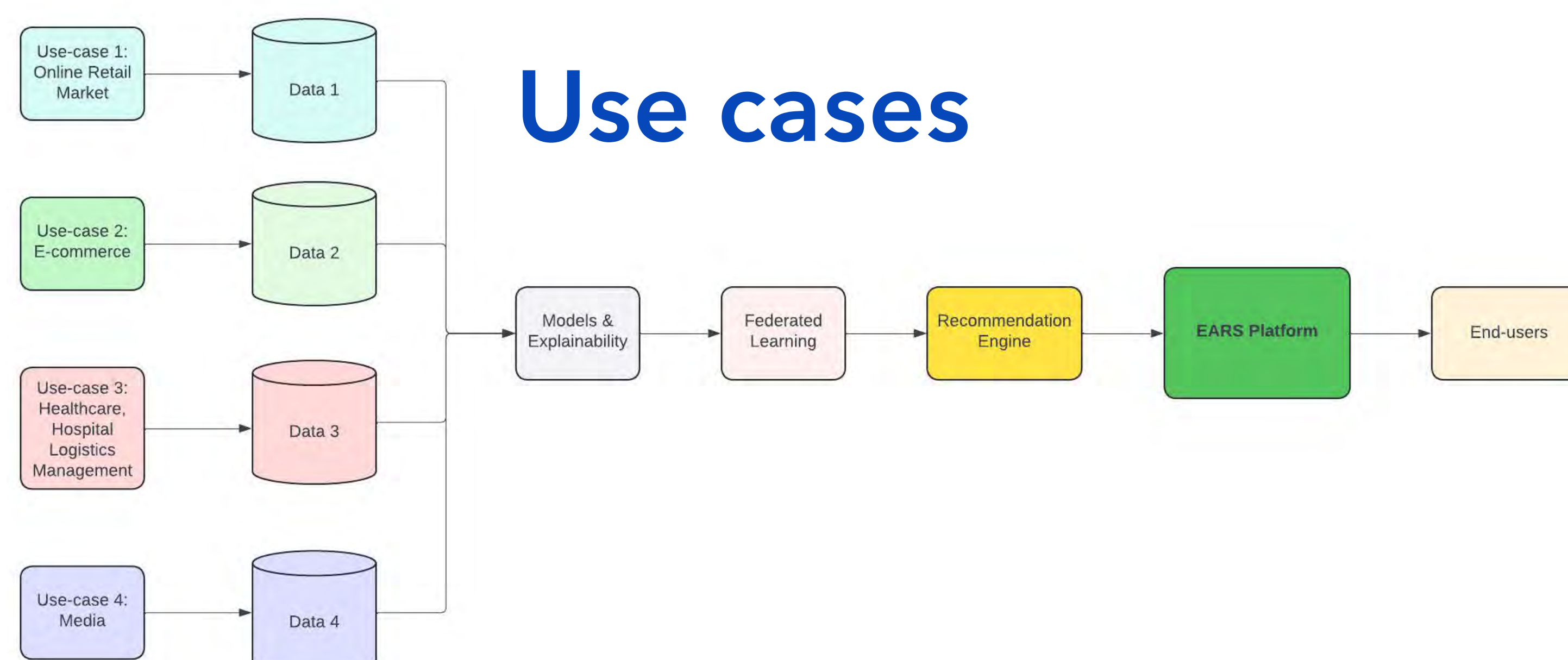
- **Hybrid Recommendation System:** Content-based and collaborative filtering techniques
- **Explainable AI:** For providing transparent and understandable recommendations, thereby increasing user trust.
- **Privacy Preservation:** Using federated learning for user data privacy
- **Scalability and Flexibility:** 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



[itea4.org/project/ears.html](http://itea4.org/project/ears.html)

### Use cases



This ITEA project is supported by:



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