ENTROPY

Improving energy efficiency through consumers understanding, engagement and behavioural changes.

Collection of energy-related information from heterogeneous data sources, proper **analysis** of the available data and provision of **interactive services, applications and serious games to end users** for stimulating their interest for energy efficient lifestyles and increasing their overall energy consumption awareness.
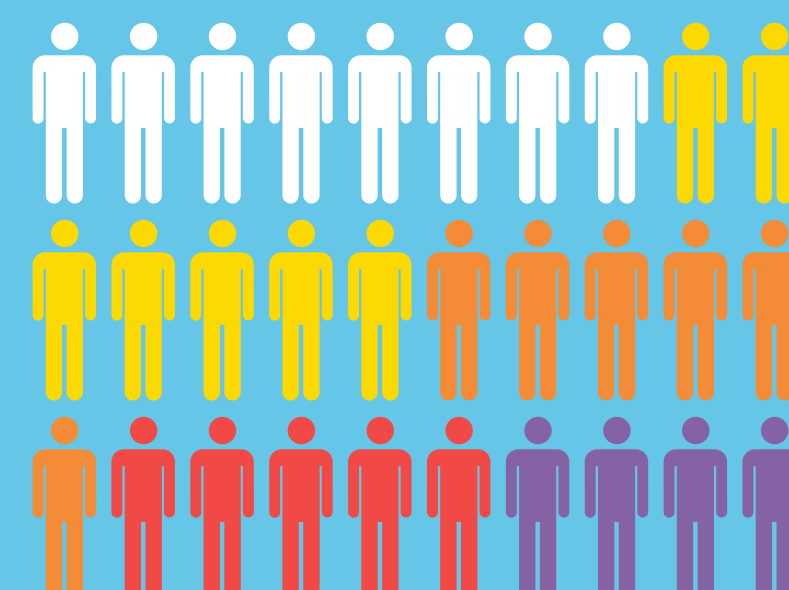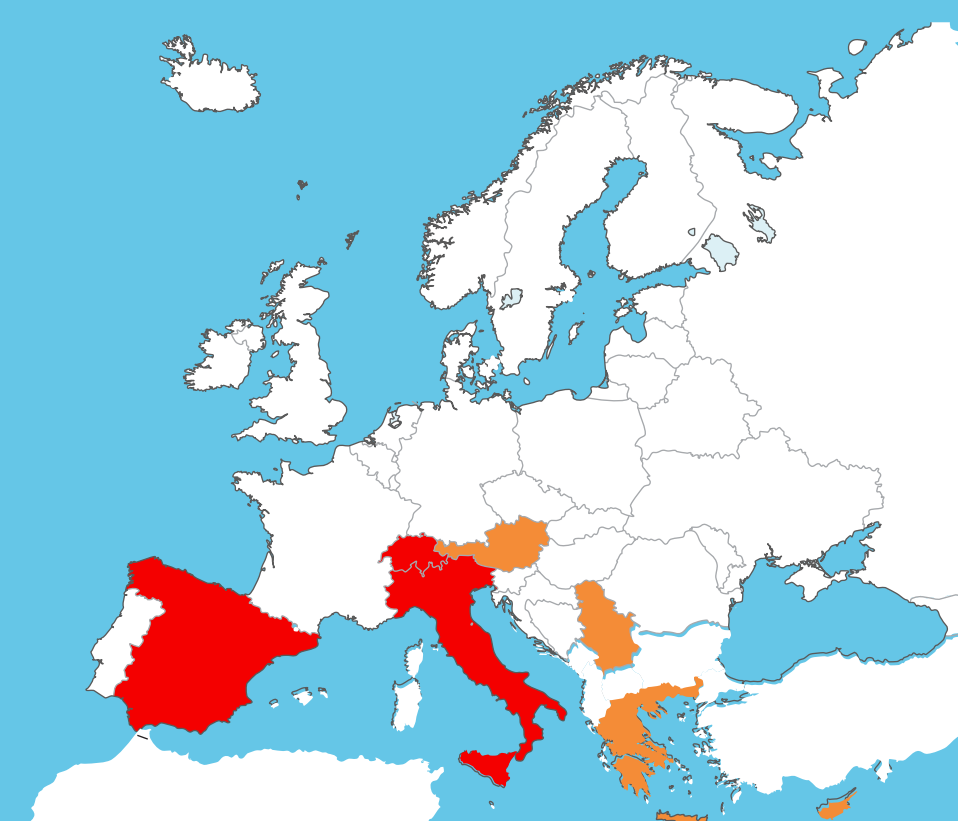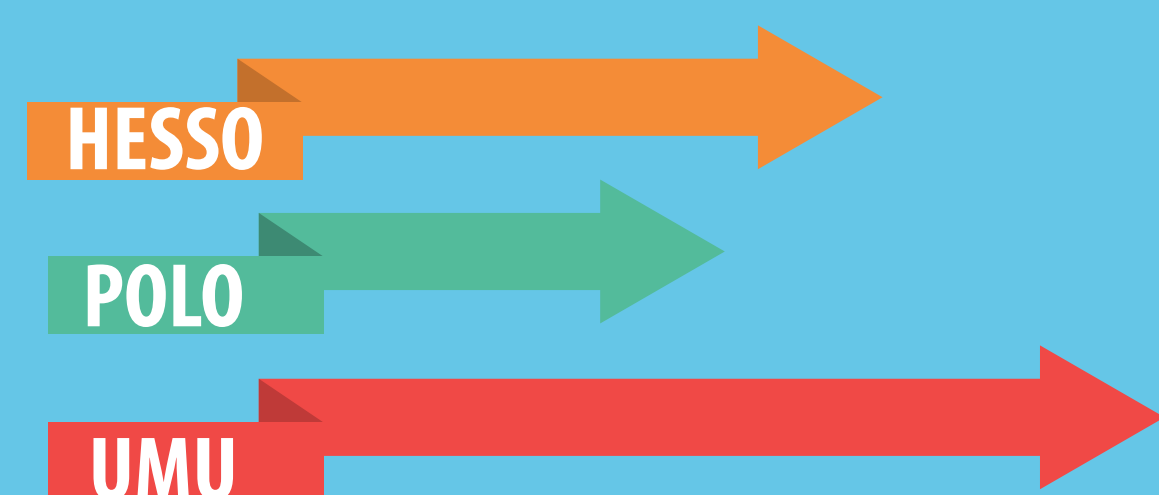
03 PILOTS: HESSO \\ POLO \\ UMU

>310 sensors used

HESSO
POLO
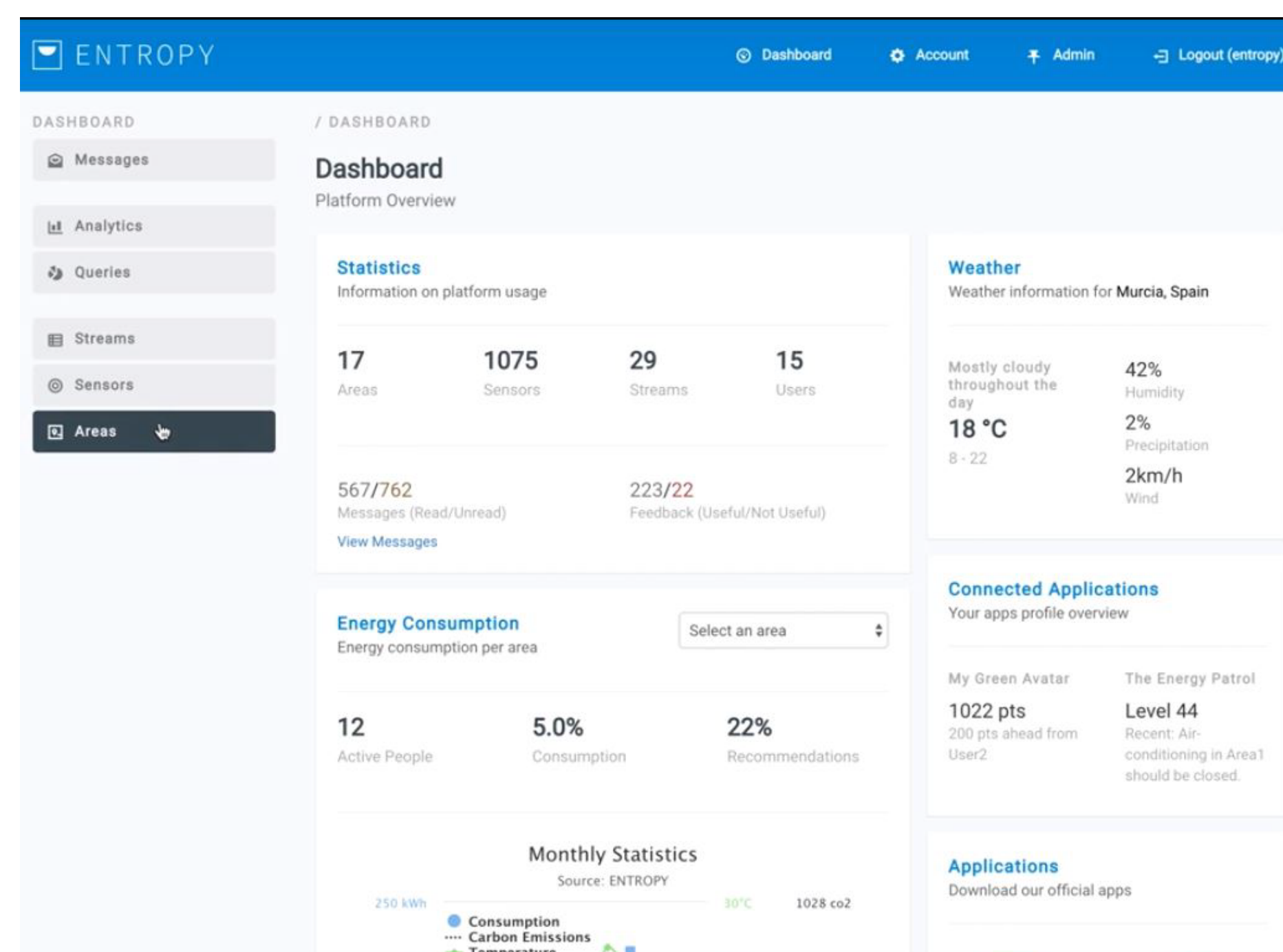UMU

03 countries

>175 users

Entropy Platform

Access to the ENTROPY energy-aware IT ecosystem.

Utilizes Internet of Things (IoT), Information fusion, Semantic web, Rule-based recommendations, Big data mining and analysis mechanisms.

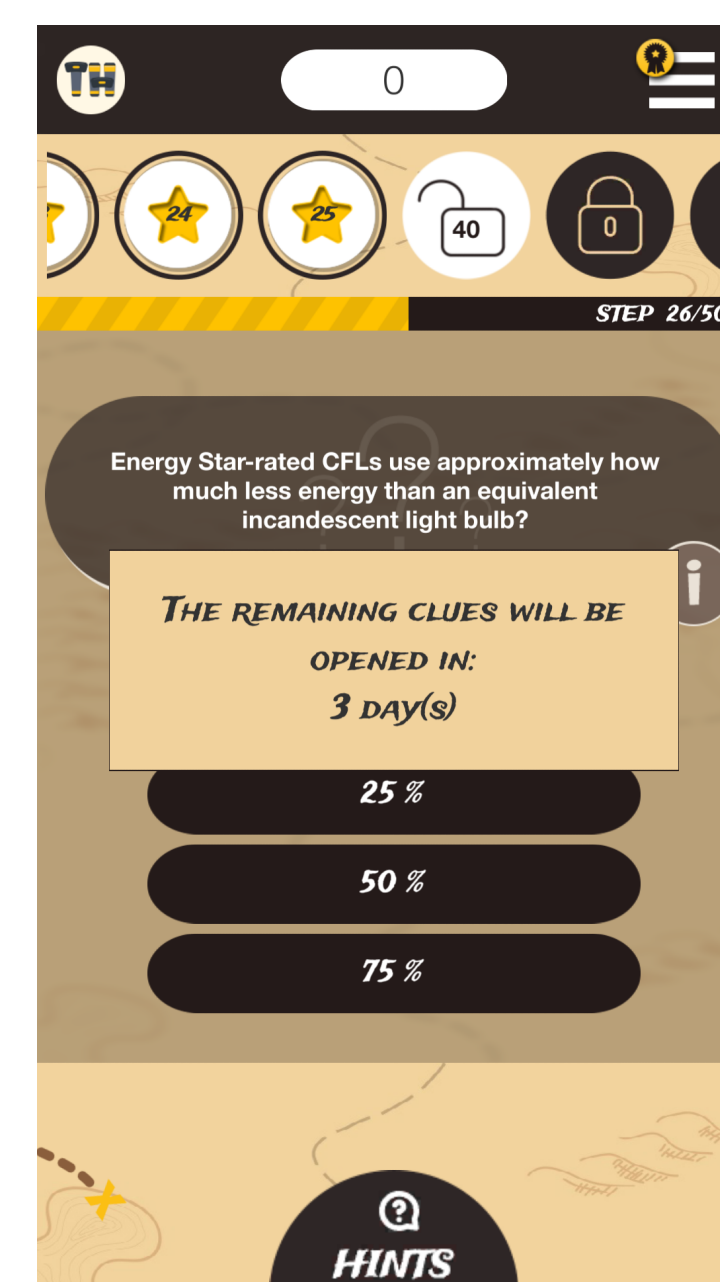**Provision** of advanced energy management and awareness services in the buildings sector.

Personalized Application

• Real Time Sensor data
• Energy Saving Notifications based on contextual conditions
• Visualization of Energy Indicators and Energy Consumption
• Educational Quizzes
• Educational Tips
• Personalization and Adaptation to users' profile
• Tracking of Behavioural KPIs
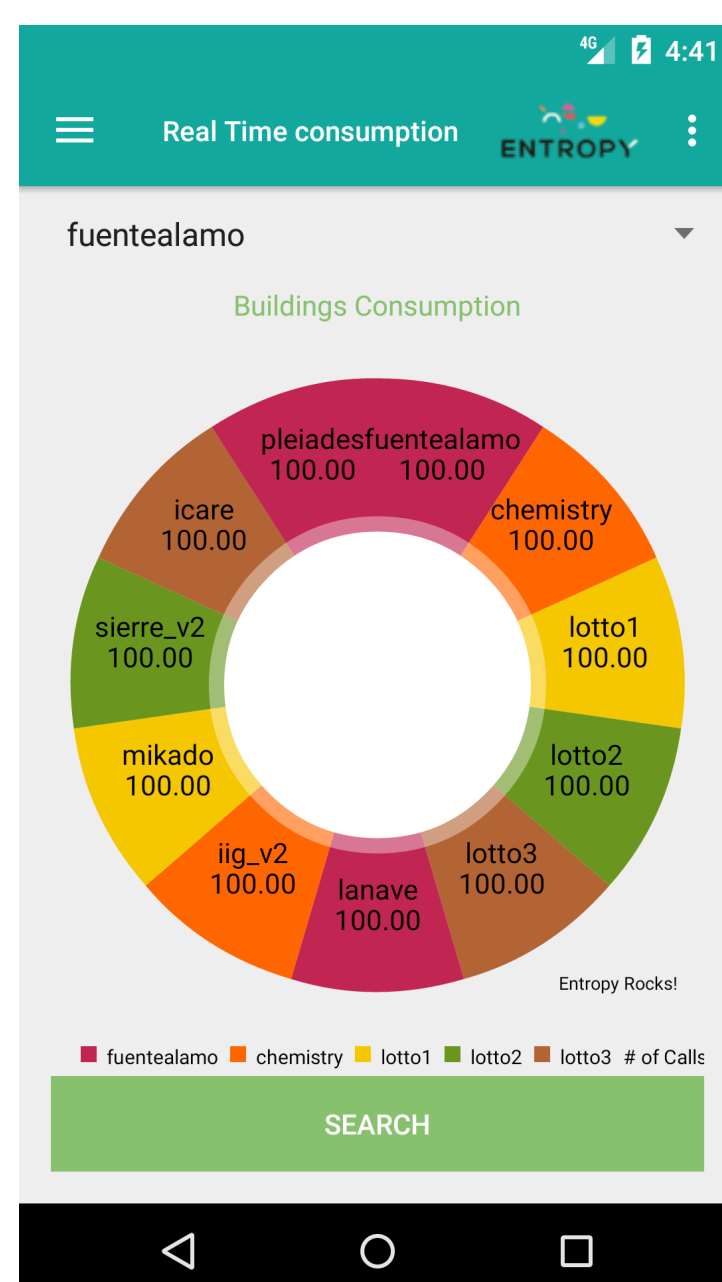
Serious Game

• Augmented Reality Treasure Hunt
• Goal and Challenges Oriented
• Coupons as Prizes
• In-App Prize Redemption
• Multiple Choice Questions
• AR Markers to discover Clues and Hints for Questions
• Social Media Integration
• Android and iOS Versions
• Treasure Hunt Creator