Let's Play!

Saving energy has never been so fun! enCOMPASS will develop a real board/card game based on the energy concept, to engage pupils and households, with the aim of building sustainable behavioural change.

This will transform your real energy savings into a game! You will receive personalized recommendations on your energy-saving attitude while you challenge your family and friends.

Play with us and find out how good you are!

Commitment at the European level

enCOMPASS is funded by the European Commission, under the Horizon 2020 programme. 14 partners have joined forces to reach the project goals:

- **5 universities:** Politecnico di Milano (project coordinator), European Institute for Participatory Media, Centre for Research and Technology Hellas, Scuola Universitaria Professionale della Svizzera Italiana, Kaunas University of Technology
- **6 companies and end-users:** Set Mobile S.R.L., Kaleidos Games, Gravity R&D Zrt, Paradox Engineering SA, Naturschutzbund Deutschland, Ethniko Idryma Erevnon.
- **3 utility companies:** Stadtwerke Haßfurt GmbH, Società Elettrica Sopracenerina, WATT+VOLT S.A.

Partners

EIPCM
EUROPEAN INSTITUTE FOR PARTICIPATORY MEDIA

University of Applied Sciences and Arts of Southern Switzerland
SUPSI

POLITECNICO MILANO 1863

KALEIDOSGAMES

stadtwerk haßfurt

SETMOBILE

WATT+VOLT
ENERGY PROVIDER

NABU

iti Information Technologies Institute

ktu school of economics and business 1922

PARADOX ENGINEERING
MinebeaMitsumi Group

GRAVITY
Research & Development

SES
Società Elettrica Sopracenerina

EKT
ΕΘΝΙΚΟ ΚΕΝΤΡΟ ΤΕΚΜΗΡΙΩΣΗΣ
NATIONAL DOCUMENTATION CENTRE

Less Energy Smarter Living!

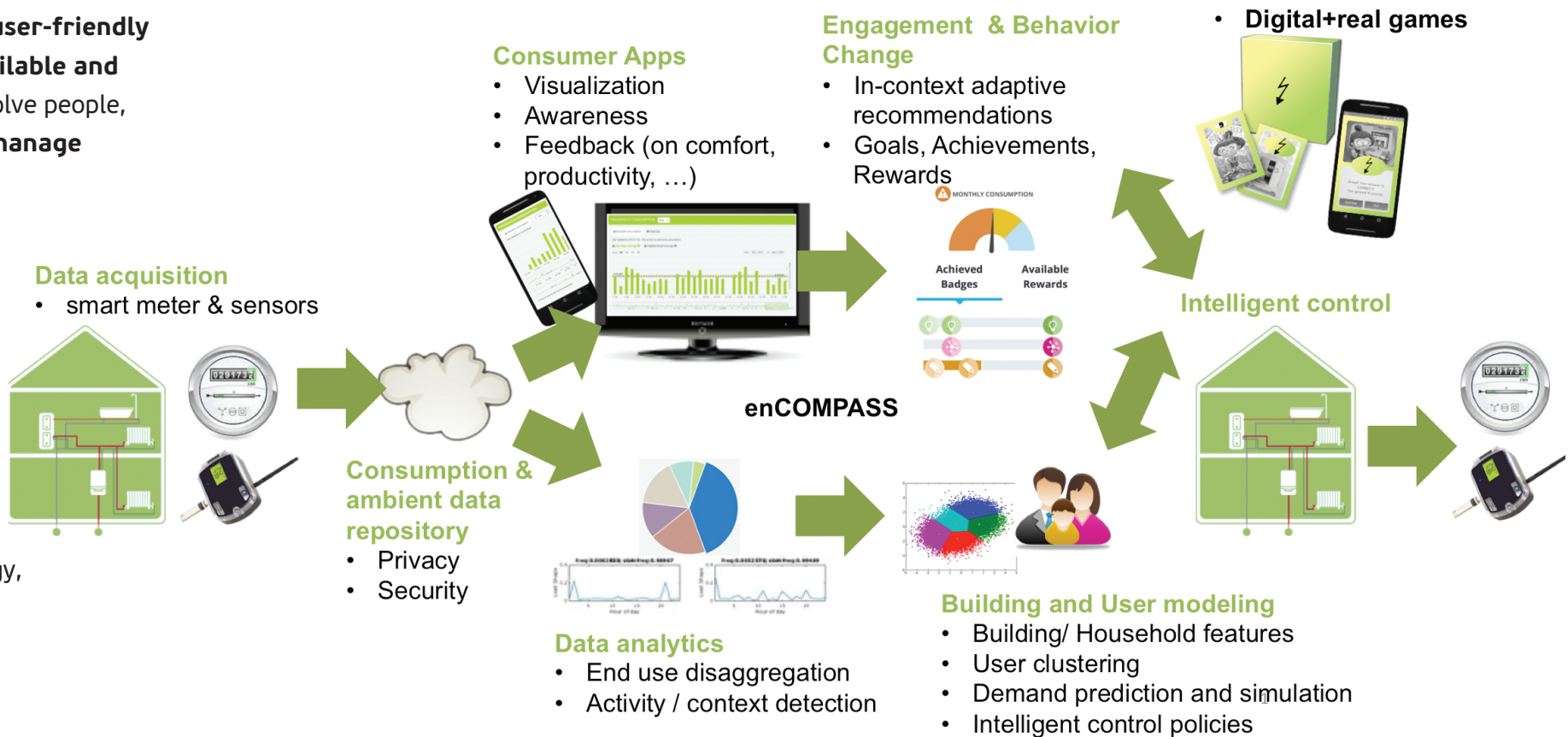enCOMPASS

Less Energy Smarter Living!

A holistic approach

The enCOMPASS project aims at developing **innovative user-friendly digital tools** for making **energy consumption data available and understandable** to everyone. This will empower and involve people, so that they work together to **save energy** and directly **manage their energy needs**. In turn, this will maximise **energy efficiency**, bringing down **costs** while still **preserving comfort**.

User-centered visualisation of energy data and user-generated information, along with collaborative recommendations for energy saving and intelligent control, will enable effective and sustainable behavioural change.

enCOMPASS is a holistic system where science, technology, and social and personal needs come together to bring results.

Data acquisition
- smart meter & sensors

Consumption & ambient data repository
- Privacy
- Security

Data analytics
- End use disaggregation
- Activity / context detection

Consumer Apps
- Visualization
- Awareness
- Feedback (on comfort, productivity, …)

enCOMPASS

Engagement & Behavior Change
- In-context adaptive recommendations
- Goals, Achievements, Rewards

- **Digital+real games**

Intelligent control

Building and User modeling
- Building/ Household features
- User clustering
- Demand prediction and simulation
- Intelligent control policies

The pilot phase

enCOMPASS will prove its effectiveness in three distinct European geographical areas and with three different types of buildings (residential, school and office).

Numbers

Pilot location	Hassfurt (DE)	Thessaloniki (GR)	Athens (GR)	Gambarogno (CH)
Climate description	Humid continental climate	Hot summer Mediterranean		Continental subarctic
Type of building	100 residential homes 10 classrooms in 1 school 1 public building	100 residential homes 1 school 1 retail store	2 floors in office building 1 public library	100 residential homes 1 school 1 public building