



## The project progress

During the last one-year period the project has progressed significantly both from technical and dissemination point of view.

- The technical progress initiates with the results obtained from the end-users' workshops from the pilot leaders that offered valuable feedback for the four SIT4Energy target groups identified, namely:
  - ❑ TG1: German Energy Consumers/Prosumers
  - ❑ TG2: German/Greek Local/Municipal Utilities
  - ❑ TG3: Greek Energy Consumers at households and working spaces
  - ❑ TG4: German/Greek Building owners/Managers
- Building upon these results the user information model and the factors that influencing end-user energy-related performance have been identified, whereas at the same time the initial SIT4Energy business models have been defined.
- Towards materializing the knowledge acquired, the first prototypes for testing were delivered on M18 (August 2019):
  - ❑ **Mobile Micro-Moments** engine built upon an on the fly mobile Activity Tracking
  - ❑ Adaptive **Recomendation Engine** for creating user-friendly energy-related recommendation
  - ❑ **Context Aware Triggering Engine** for optimally selecting the information shared to end-users
  - ❑ **Smart Energy Dashboards** for all involved stakeholders: Utilities, Facility Managers, and Customers

All SIT4Energy activities fully comply with EU & National GDPR guidelines with respect to ethics and end-user privacy.

## The project events

### ■ Knowledge and Technology Transfer

Aiming at raising awareness and empowerment of current German-Greek research and innovation collaboration a two-day workshop on **Knowledge and Technology Transfer** has been organized by the Research and Innovation Sector of the Ministry of Education, Research and Religious Affairs and the General Secretariat for Research and Technology on 11-13 June 2019 at the National Centre for Scientific Research DEMOKRITOS. The whole idea of the event was to generate an interactive channel of communication evolving both technical and go-to-market aspects by entailing an exchange of knowledge and ideas related to **Greek-German Research and Innovation** as well as the commercialization and application of the obtained R&D results.



### ■ 19th IEEE Conference on Ubiquitous Intelligence and Computing (UIC 2019)

SIT4Energy partners participated in the **19th IEEE Conference on Ubiquitous Intelligence and Computing (UIC 2019)**, held in Leicester, UK on 19-23 August 2019 with the paper "**Redefining Micro-Moments for Improving Energy Behaviour: The SIT4Energy Approach**". The preliminary results of the initial experiment on using a mobile application for exploiting micro-moments were presented.

### ■ 12th International Conference on Computer Vision Systems (ICVS 2019)

SIT4Energy partners participated in the **12th International Conference on Computer Vision Systems (ICVS 2019)**, held in Thessaloniki, Greece on 23-25 September 2019 by successfully presenting two papers "**Occupancy Inference Through Energy Consumption Data: A Smart Home experiment**" and "**User-Centered Visual Analytics Approach for Interactive and Explainable Energy Demand Analysis in Prosumer Scenarios**".



### ■ SIT4Energy & SPEAR Joint Hackathon Event

Hack4Energy

Working together with the Horizon2020 Project SPEAR, SIT4Energy has co-organised the first **S<sup>2</sup>Hack4Energy** hackathon event on the 23-24 October 2019. With challenges from the project's objectives and on data shared from the pre-pilot, participants had the opportunity to compete for some unique prizes offered by our sponsors Ubitech, Watt+Volt, and MLS. Both teams are already working on the next one.





## Completed Deliverables

Meeting our deadlines, SIT4Energy has produced the project's reports. You can find them online in the SIT4Energy website.

- D1.1: Market Research Survey Tool
- D1.2.1: SIT4Energy Demand Analysis & User taxonomy
- D1.3.1: User Information Model
- D1.4.1: Analysis of factors influencing consumer choices
- D2.1.1: Gamified and other Marketing Strategies based on SIT4Energy framework
- D2.2.1: Existing business models comparisons and cross study
- D2.3.1: Prototype business models for SIT4Energy
- D2.4.1: Legal/Regulatory barriers and Energy User Rights for SIT4Energy
- D3.1.1: SIT4Energy activity tracking algorithms and micro-moments creation (Version 1)
- D3.2.1: SIT4Energy mobile recommendation systems
- D3.3.1: SIT4Energy Adaptive incentivization service
- D3.4.1: SIT4Energy Context-aware attention triggering service
- D3.5.1: Report and data personalization and privacy issues for SIT4Energy
- D5.2.1: IPR Management plan & report
- D5.3.1: SIT4Energy Fact Sheet and web site
- D5.4.1: Dissemination & Awareness Plan
- D5.5.1 & 2: Exploitation strategy and plan
- D5.6.1: Report on SIT4Energy impact assessment

## The project workshops

- **Workshops organized by Stadtwerk Haßfurt GmbH:** The first SIT4Energy workshop was held in Haßfurt having 40 citizens as guests. During the event, the project's main idea and core objectives were introduced to the attendees.
- **Modelling SIT4Energy prosumers' and utility companies' needs:** In January 2019 two more workshops were organized by SIT4Energy German partners aiming to get the first insights in the design of a Smart Energy Management Dashboard (SEMD) for utility companies and energy Prosumers. Whereas the first workshop attended the utility and its employees, working on energy planning, and the second one customers, who already are sensible to the production/storage of renewable energy in their homes.
- **Modelling SIT4Energy academy - users' needs:** The event held at ITML's premises in Athens (Greece) aiming to get the first insights in the design of a Mobile app for energy end-users which are academy staff from HUA campus (Athens). The main objective of the event was to present the participants the initial mock-up of mobile app to be deployed in the HUA campus and to get feedback from them as the potential end-users.



### Key Facts

Start: March 2018  
Duration: 3 years  
Budget: € 711.832

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### Project Partners



### Funding Agencies

