

Database of Good Practice Policies and Initiatives	
<b>Country</b>	Greece
<b>Level of Outreach</b>	National
<b>Supported by</b>	EU Agency
<b>Field of Interest(s)</b>	Energy Efficiency
<b>Organisation</b>	
<b>Name of organisation</b>	Politecnico di Milano
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<b>Policy/Initiative Data</b>	
<b>Title of Initiative</b>	<b>enCOMPASS - Collaborative Recommendations and Adaptive Control for Personalized Energy Saving</b>
<b>Partnership details</b>	Promoter: Politecnico di Milano Partners: European Institute for Participatory Media, Centre for Research and Technology Hellas, Scuola Universitaria Professionale della Svizzera Italiana, Kaunas University of Technology, Set Mobile S.R.L., Kaleidos Games, Gravity R&D Zrt, Paradox Engineering SA, Naturschutzbund Deutschland, Ethniko Idryma Erevnon, Stadtwerke Haßfurt GmbH, Società Elettrica Sopracenerina, WATT+VOLT S.A.
<b>Project Duration</b>	01/11/2016 to 31/10/2019
<b>Total Budget</b>	€3,309,375.00
<b>Description</b>	enCOMPASS will implement and validate an integrated socio-technical approach to behavioural change for energy saving, by developing innovative user-friendly digital tools for making energy data consumption available and understandable for the different users and stakeholders (residents, employees, pupils, building managers, utilities, ICT providers) empowering them to collaborate to achieve energy savings and manage their energy needs in energy efficient, cost-effective and comfort-preserving ways. It will demonstrate how this can be achieved by a novel approach that integrates user-centered visualisation of energy data from smart sensors and user-generated information with context-aware collaborative recommendations for energy saving, intelligent control and adaptive gamified incentives enabling effective and sustained behavioural change. Countries: Germany (Hassfurt), Greece (Athens & Thessaloniki), Switzerland (Gambarogno) <a href="http://www.encompass-project.eu/project/">http://www.encompass-project.eu/project/</a>
<b>Phases</b>	n/a

Project Details	
<b>Aim</b>	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
<b>Target groups</b>	Families (with & without kids), single households, students, building managers (ca. 600 participants) Students, teachers, building managers (ca. 900 participants) Employees, visitors, building managers (ca. 500 participants)
<b>Exchange of Experiences</b>	
<b>Outcomes 1</b>	<p>SCIENTIFIC:</p> <p>Stimulate behavioural change for energy saving with a holistic approach integrating innovative digital tools with smart home automation and a full-cycle model of sustained behavioural change.</p> <p>Study social awareness incentives to promote energy conservation behaviours;</p> <p>Create an innovative method to learn and develop models of user behaviour integrating quantitative data, obtained by smart sensors, and qualitative data, collected through an online social participation application;</p> <p>Validate the relative effectiveness of different types of behavioural change interventions for different types of users, in different types of settings and in different climatic conditions.</p> <p>Disseminate our results, in particular fostering trans-disciplinary works involving both ICT and energy researchers.</p>
<b>Outcomes 2</b>	<p>TECHNOLOGICAL:</p> <p>Deploy a modular and scalable ICT platform that integrates a series of components, provide utilities an effective tool for the design and implementation of energy demand management policies to promote efficiency;</p> <p>Improve the resource efficiency and business operations of utilities thanks to the use of the enCompass platform.</p> <p>Promote the adoption of novel ICT solutions in energy management companies.</p>
<b>Outcomes 3</b>	<p>SOCIAL:</p> <p>Make energy usage data accessible to consumers in a user-friendly, easy-to-understand way.</p> <p>Demonstrate that individual comfort levels can be maintained while achieving energy savings.</p>
Policy/Initiative	
<b>Skill gaps</b>	n/a
<b>Mis-matching of skills</b>	n/a
<b>Skills-Shortages</b>	n/a
<b>Training</b>	n/a
<b>Career moves</b>	n/a
<b>Mobility</b>	n/a
<b>Other EQF-Level</b>	n/a
<b>Transfer in Europe</b>	A Digital tool to change behavior towards the use of energy efficiency through ICT in homes
<b>Entrepreneurship Opportunities</b>	n/a
<b>Other</b>	Behavioural change toward energy efficiency through ICT