Where?

Two demonstation sites have been chosen within Europe to examine the impact of InBetween's uniquely innovative user-centric approach for energy saving, combining ICT solutions with tailored advice for energy efficiency in buildings - one located in France and one in Austria. Residents from these sites will form the pool of energy consumers to be selected to participate in the project.

When?

The project began in November 2017 and will last for three years. During this period, the residents of the two selected demo sites will be contacted in order to check their willingness to be part of this project, to share anonymized energy consumption data and to be trained by project experts towards more efficient energy behavior - enabling them to save both energy and money.

Who?

The project is being carried out by a consortium of 8 partners:
RINA Consulting (Italy), Acciona Construccion Sa (Spain), Ait Austrian Institute of Technology Gmbh (Austria), Develco Products As (Denmark), Interdisciplinary Center (Idc) Herzliya (Israel), Institut Mihajlo Pupin (Serbia), Vilogia Sa (France), Sonnenplatz Grosschonau Gmbh (Austria).

Why?

As buildings are responsible for 40% of the total EU energy demand, research and innovation activities aimed towards energy demand reduction and increasing energy efficiency in buildings have become one of Europe's highest priorities.

THE CONSORTIUM

RINA Consulting S.p.A.
www.rinaconsulting.org

Acciona Construccion S.A.
www.acciona-construccion.com

Austrian Institute of Technology
www.ait.ac.at

Institute Mihajlo Pupin
www.pupin.rs

School of Sustainability
Founded by Israel Corp., ICL & ORL
The Interdisciplinary Center, Herzliya (IDC)
www.idc.ac.il

Develco Products
www.develcoproducts.com

VILOGIA SA
www.vilogia.fr

Sonnenplatz Grosschönau GmbH
www.sonnenplatz.at

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InBetween

ICT enabled BEhavioral change ToWards Energy EfficieNt lifestyles

www.inbetween-project.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 768776

How?

The key ambition of InBetween is to **develop an ICT platform which is relevant and useful for energy consumers, helping them, over time, to generate efficient and sustainable energy saving behaviours.**

InBetween project aims to create more energy efficient lifestyles towards a global process that foreseen **assisting Users to IDENTIFY energy wastes, LEARN how they can conserve energy and MOTIVATE them to act.**

A User-centric approach is applied throughout the project including aspects from the **'theory of social practice'.** Apart from detecting energy saving opportunities and offering various incentives for Users' behaviour change, a significant part of the motivation aspect will also be associated with the provided **ability and means to act** through the InBetween solution.

InBetween aims to a deliver **cost-effective solution** that brings **added value**, without significant disruption of everyday activities, through the collaborative **InBetween cloud based platform** offering **advanced energy services.** It allows Users to integrate their building's connected devices and systems with advanced energy analytics and optimisation services to create a comprehensive **recommendation and feed-back** solution which will facilitate further the behaviour change towards more energy and cost efficient daily routines. A significant demonstration activity in a range of real life pilot locations in the EU with diverse public set-ups, which differ in terms of size, type, climate and patterns of use, will offer the necessary technological validation.

OVERALL CONCEPT

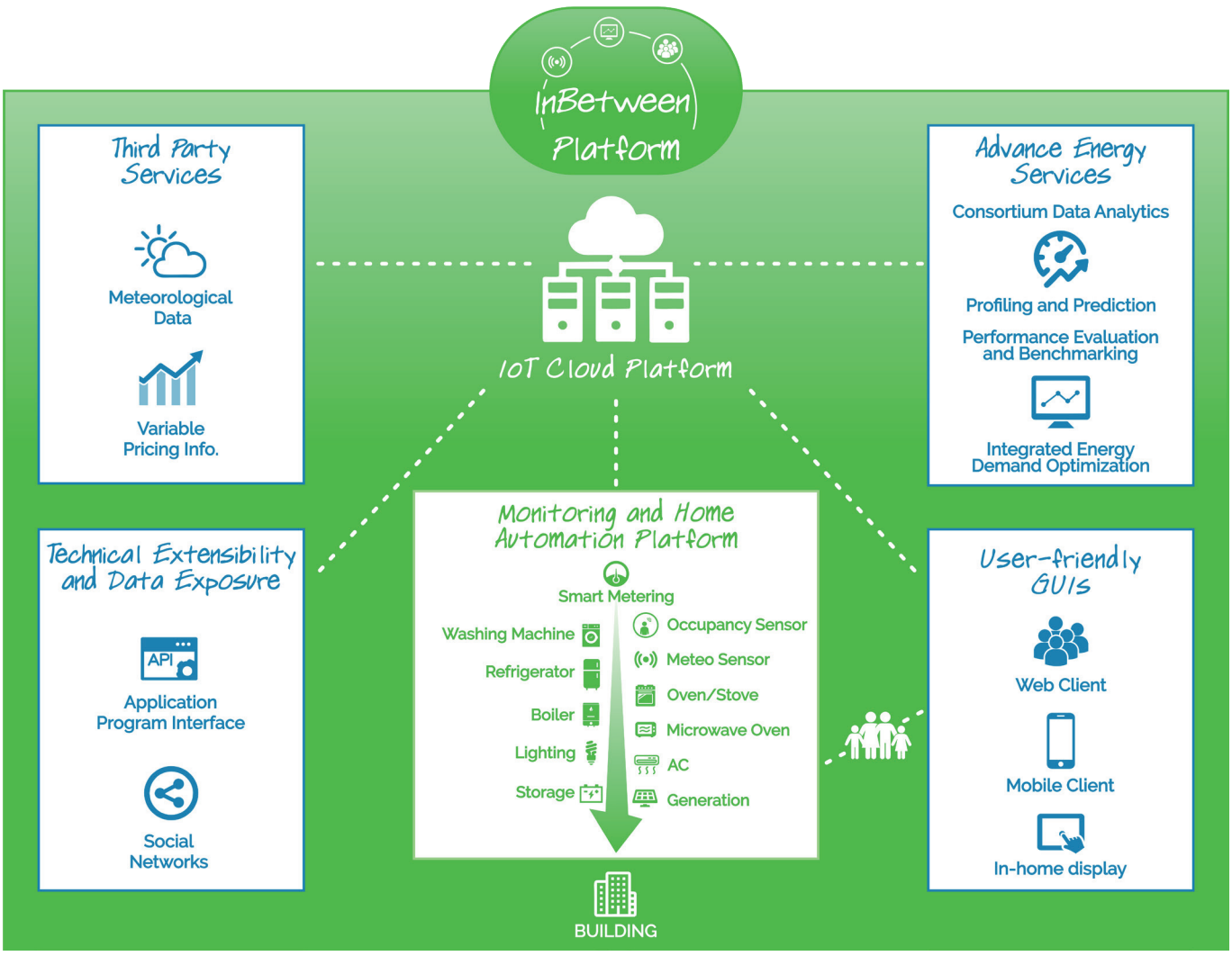
The overall concept and methodology of InBetween is driven by two aspects:

- Deliver an affordable solution that brings added value (i.e. helps Users to identify energy wastes, learn how they can conserve energy and motivate them to act) without significant disruption of everyday activities.
- Respect the requirement of the topic under which the project has been funded "...integrate and validate different technological elements, each element with at least TRL 6"

InBetween will be focused on reuse of existing technological solutions and methodologies (≥TRL6) spending efforts on the integration and adaptation activities to support the InBetween specific objectives.

InBetween will look for performance deviation by seeking to gain a better understanding of each User's real energy demand reduction potential profile.

Thanks to the comparison of performances specific User-tailored Energy Conservation Measures will be suggested.



To retrieve consumption data, InBetween will leverage upon a comprehensive monitoring platform but will also provide energy consumption analytics to estimate appliance-level electricity consumption from a single metering point – consumption disaggregation.

InBetween will also contribute with User profiling and prediction functionalities to anticipate wasteful practices, both in terms of energy and costs, based on User-centric energy consumption modelling and consumption prediction combined with pricing/load/stability information received from ESCOs.