

INVADE

BATTERY STORAGE AND FLEXIBILITY

Welcome to the third INVADE EUG & TAG workshop to be held in Barcelona on
November 20, 2019

Organized by:	INVADE project
Contact person:	Bernt Bremdal, Roberto Villafafila
Date:	20/11/2019
Location:	Room 1.4. Area CC1 in Fira Barcelona Gran Via (Av. Joan Carles I, 64 - Halls 1 & 2, 08908 L'Hospitalet de Llobregat, Barcelona)
Cost:	Free

In association with the [Smart City Expo World Congress](#) the H2020 project **INVADE** will organize a final event that consists of two sections. During the first section we will present the results and findings from the INVADE project on operations of batteries, demand-response, smart charging and V2G. The achievements from five different full-scale pilots in Norway, Spain, Germany, The Netherlands and Bulgaria will be presented. Highlights for first session are:

- Deep insights on:
 - experiences with grid connected Redox/Flow batteries,
 - management of numerous EV charging facilities by means of smart charging,
 - efforts to integrate V2G operations into flexibility regimes and business models that can support this.
- Demand-response based upon thermal loads to increase the energy efficiency of group of hotels. The energy system consists energy generation from distributed renewable resources and storage units.
- Practical experiences with large scale integration of flexibility management platforms with Home Automation Systems/EMS. Both business aspects and technical issues will be treated.

Section two is dedicated to business opportunities and societal impacts that the INVADE findings offer. New business models as well as regulatory and policy issues will be discussed. EU's recent release on pertinent directives and recommendations, especially, Clean Energy For All European Citizens will be one among several references for the discussion that is going to be raised during the discussion. Panel based format will be followed in second section that was previously introduced in Oslo (2018) and followed in Copenhagen in March this year (2019). Second section will be followed by a visit to Spanish pilot in Granollers and dinner together with project consortium.

A special invitation is extended to members of the Exploitation User Group (EUG) and Technical Advisory Group (TAG).

AGENDA

12:30-15:00
INVADE large scale event

15:00-17:00
Workshop with exploitation user group

18:00-19:30
Visit Spanish pilot site at Granollers

20-21:30
Dinner

Note: Travel to Spanish pilot and back to the venue will be arranged by the organizers