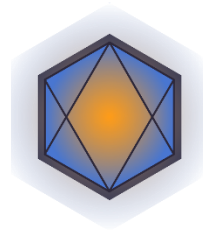


1ST PRESS RELEASE
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InComEss

Innovative polymer-based composite systems
for high-efficient energy scavenging and storage

Launch of the InComEss project

Wednesday 11th of March marked the official beginning of InComEss project, with the kick-off meeting. Due to the special circumstances caused by coronavirus the meeting was held online. All partners participated actively during the 2-day meeting, seizing the opportunity to meet virtually and discuss the implementation of the project.



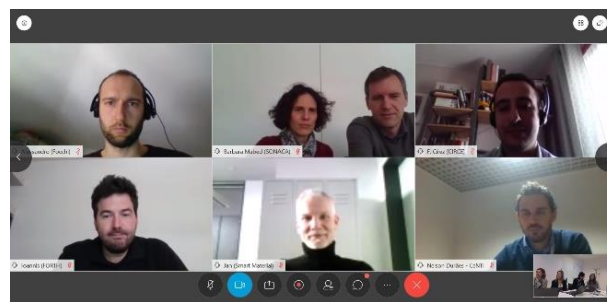
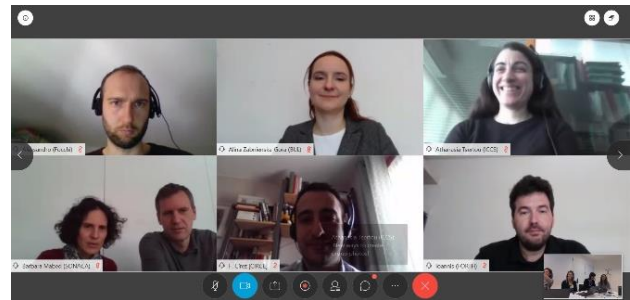
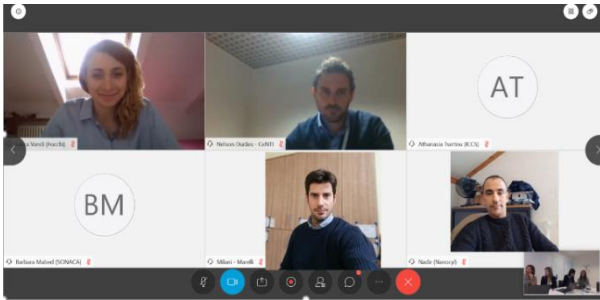
During the 1st day, partners presented their tasks followed by an analysis and description of the Work Packages by the respective leaders. The main tasks of each work package were highlighted and that gave rise to an effective discussion on the challenges and difficulties each partner will face.

The 2nd day of the meeting was dedicated to a more detailed workplan for the actions laid down for the next six months and the organization of subgroups focused on individual technical aspects of InComEss.



This project receives funding in the European Commission's Horizon 2020 Research Programme under Grant Agreement Number 862597.

All partners engaged in discussion



About the project

InComEss seeks at developing efficient smart materials with energy harvesting and storage capabilities combining advanced polymer based-composite materials into a novel single/multi-source concept to harvest electrical energy from mechanical energy and/or waste heat ambient sources. The project will demonstrate its applicability in key sectors and applications, SHM and vehicle monitoring in **automotive**, **aerospace** and **building**, presenting the highest market potential.

3 cost-effective and green Energy Harvesting Systems (EHSs) configurations will be realized through the combination of high performance piezoelectric (PE), thermoelectric (TE) and Thermo-Piezoelectric (TPE) generators and monolithic supercapacitors (SCs) to power selected wireless sensors nodes to be implemented in different IoT scenarios for Structural Health Monitoring (SHM) in buildings and aircrafts and accurate location and monitoring of vehicles through GPS and MEMS sensing.

Details

Project title: INnovative polymer based COmposite systeMs for high efficient Energy Scavenging and Storage

Project ID: 862597

Start Date: 01/03/2020

Project Duration: 42 months

Project Consortium:



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