

# INCOBAT Newsletter Nr. 1/2015

February 2015

## Successful First Periodic Review

On the 30<sup>th</sup> of September 2014, after 12 months of joining efforts on 12 deliverables, 3 internal financial monitoring rounds, multiple workshops, 2 steering committee meetings, 12 work package leader conferences and one periodic report, the INCOBAT consortium successfully finished the first project period.

At the first review meeting on the 4<sup>th</sup> of November 2014 (held at the DG CNECT premises in Brussels, Belgium), the project officer as well as the two reviewers deemed the first 12 project months successful in front of representatives of all 8 project partners. In the course of the review, all deliverables, including the first periodic report were accepted.

The technical outcomes during this first project year were focused on the control system (BMS central computing unit based on multi-core CPU AURIX™, smart sensors BALI) as well as control strategy (concept for electro-chemical impedance spectroscopy) and dependability engineering (united method for safety and security analysis). Overviews of these outcomes were and will be disseminated at conferences such as the innoBAT, DATE 2014 or Smart System Integration (SSI2015) and discussed with our assisting partners in upcoming face to face meetings.

At this point, we would like to thank all INCOBAT partners for the close and amicable cooperation and their efforts put into the project in the first 12 months!

Let's keep the spirit up and continue with another successful project year.

## End of the first Project Period for the cluster “4<sup>th</sup> Generation EV”

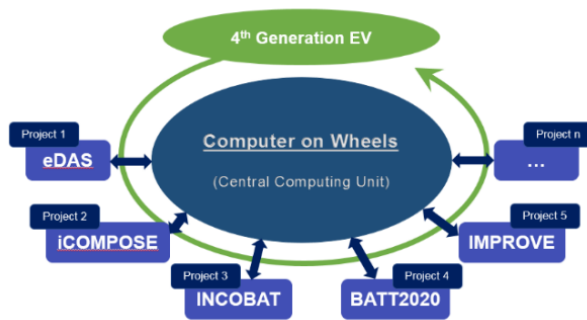
With September, also the clustering projects iCOMPOSE and eDAS each closed their first project period. All three review meetings were organized around one combined meeting, where the project coordinators had the chance to present the clusters progresses in the first project year in front of representatives of the EC as well as the respective project consortia. This meeting was held in the morning of the 5<sup>th</sup> of November, before the second of the three review meetings.

## „4<sup>th</sup> Generation EV“ uniting 40 partners from 12 European Countries

Since July 2014, the Cluster “4<sup>th</sup> Generation EV” had a fourth member – the project “BATTERIES 2020” (short Batt2020). The respective project coordinator approached the clustering projects after the cluster and its projects were presented at the innoBATT Conference in Unterpremstätten (Austria) in April 2014. In January 2015, the cluster welcomed its latest member – IMPROVE.

Now uniting more than 40 partners from 12 countries all over Europe, including 7 OEMs, with an overall budget of more than 36 million Euros, the impact of the cluster on the next generation of electric vehicles keeps on growing. Nevertheless, while enlarging the cluster network, the “4<sup>th</sup> Generation EV” cluster keeps focused on the three following working groups:

- Comprehensive energy management
- Performance potential of vehicle electrification
- Central computing platform



*Ecosystem 4th Generation EV*

In the following, we would like to give you a closer look at our new cluster partners.

Batteries2020<sup>1</sup> (short Batt2020) aims at improving performance, lifetime and total cost of ownership of batteries for EVs by the simultaneous development of high-performing and durable cells, reliable lifetime prediction, understanding ageing phenomena and assessment of second life in renewable energy applications.

The Batteries2020 project joins 10 partners from 6 European countries, comprising amongst others of research institutions as well as an OEM and is coordinated by IKERLAN (Spain).

IMPROVE<sup>2</sup> – will increase efficiency and range predictability of CEVs (commercial electric vehicles) operated in fleets by employing cloud information for operation and control strategy, reuse of waste energy in a holistic, predictive way, learning from history (gaining information of several vehicles and using this info for a strategy) and establishing psychological efficiency incentives through gamification. All the work is performed for a new EV that is built ready for limited series production.

The Project is coordinated by Virtual Vehicle and consists of 10 partners from 8 European countries.

## Upcoming Events – Conjoint Cluster Conference

In January 2015, the idea of having a conjoined conference for members of all 5 clustering projects as well as invited experts was born. The coordinators of the cluster projects are ever since discussing the details and started planning the 2-day event.

The first day of the event, 26<sup>th</sup> of May 2015, will give the opportunity for all project consortia to meet independently, either for internal or reviewing purposes. The evening will then be brought to an end with a social event at the Austrian Restaurant Glöcklbräu.

The second day of the event will be held as a conjoined conference at the Frank Stronach Institute in Graz. Here, all participants have the chance to present their projects, discuss common topics and network amongst the European electric vehicle community according to the following agenda:

9.00 - 9.30	Welcome and Opening
9:30 - 9:45	Introduction of Project IMPROVE Key Figures
9:45 -10:30	1-2 technical presentations from IMPROVE
10:30 -10:45	Coffee Break
10:45 -11:00	Introduction of iCOMPOSE Key Figures
11:00 -11:45	1-2 technical presentations from iCOMPOSE
11:45 -12:00	Introduction of project INCOBAT Key Figures
12:00 -12:45	1-2 technical presentations from INCOBAT
12:45 -13:45	Lunch break
13:45 -14:45	Introduction of project eDAS Key Figures
14:45 -15:45	Introduction of project Batteries2020+ Key Figures
15:45 -16:00	Wrap up and Closure

In the meantime, we are looking forward to a successful year 2015, for both – the INCOBAT project as well as the cluster “4<sup>th</sup> Generation EV”.

By Nadine Knopper (AVL)

<sup>1</sup> <http://www.batteries2020.eu/>

<sup>2</sup> [www. http://improve-fp7.eu](http://improve-fp7.eu)