

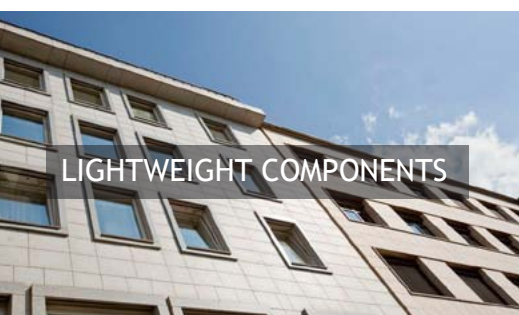
AMANAC: Advanced Materials And Nanotechnology Cluster

First Newsletter: May 2015

WHAT IS AMANAC AND THE AMANAC-CSA?

AMANAC is a collaboration and coordination platform across all the Advanced Materials and Nanotechnology projects functioning in the frame of the EeB-PPP, whose activities address development of advanced materials, components and systems for the improvement of the energy efficiency in the built environment. **AMANAC-CSA** is a Coordinating Support Action of H2020, which aims to maximize the impact of the **AMANAC** projects towards the **European Industry and Society** and hence effectively support the objectives established by the European Commission and the EeB-PPP by addressing in a holistic way the relevant technical/technological, industrial, economic, societal, organizational and regulatory challenges.

AMANAC covers six thematic areas:





AMANAC ACTIVITIES

- Joint Action Plan to support horizontal interactions of AMANAC projects
- Identification of synergies and common practices for the development of LCA, LCCA, fire safety, market exploitation strategies, etc. for novel building products
- Analysis of hurdles that delay market exploitation, like standardization, nano-safety, etc.
- Organization of thematic workshops and training events in areas of common interest across the projects, like standardization, LCA-LCC, and fire safety
- Creation of Web based dissemination tools and an AMANAC wiki that will facilitate better dissemination of technology developments in novel building materials for the energy efficient buildings of the future
- Development of frameworks for effective business road map and plans to help projects with potential commercialization of research results emerging from the projects participating in the AMANAC cluster
- Cooperation and alliances with theme linked organizations, specifically: other CSAs under EeB-PPP, ECTP, ECCREDI, E2BA, nano-safety cluster
- Publicity materials and organization of joint large scale event participation for speeding-up the global impact of the research results coming from the Cluster projects

AMANAC NEWS AND EVENTS

AMANAC at CompIC 2015 - COMPOSITES IN CONSTRUCTION

February 3-4, 2015

A presentation about the AMANAC CSA was made at a special clustering event held at CompIC 2015, a conference focused on Composites in Construction, and held in Amsterdam, Netherlands on February 3rd and 4th. The conference attracted over 100 delegates, most of whom attended the clustering event also to get insights into various construction-themed European Commission supported projects. Before presentations by some of these projects, a keynote presentation by the AMANAC-CSA focused on the opportunity for coordination and networking of projects, and the synergies provided via this clustering activity. In addition, it was a good forum to raise awareness of the AMANAC projects

and the cluster coordination activities among various industry professionals who were in attendance, including architects, asset owners, research institutes, and various companies in the composites and building materials supply chain. The event also provided an opportunity to interact with many of the presenters from the AMANAC projects about the added benefits of the cluster via its execution of activities of common interest, such as training & education, IPR management, (nano)-safety, and standardisation and by exploiting synergies and sharing best practice on common themes and challenges across various projects in the AMANAC cluster.



AMANAC at Kick off meeting of EeB CSA's February 5, 2015

In continuation of the successful activities implemented under the PPP EeB in FP7, the EC and the Private side of the PPP, namely E2BA as representative of industry, signed a contractual arrangement in December 2013 for the continuation of the PPP EeB under Horizon 2020. One of the main obligations and benefits of the contractual arrangement between the EC and E2BA is to monitor and exploit the results of the projects supported in this framework. Therefore, the EC launched in February 2015, the implementation of 4 CSA's that will support the EC in monitoring the results of

the PPP EeB projects and foster the dissemination and exploitation of these results.

These 4 CSAs are:

- **EeB-CA2** (coordinated by CSTB on behalf of E2BA), which will consider the whole set of projects,
- **EEBERS** (coordinated by VTT), which will focus on ICT-related projects,
- **SWIMing** (coordinated by Trinity College Dublin), which will focus on Interoperability, Data Models and BIM aspects,
- **AMANAC** (coordinated by NTUA) , which will focus on material-related projects.

AMANAC “Lightweight Components” LCA Workshop March 27, 2015

Under the frame of dissemination and cross-linking of each participating project in the AMANAC Cluster, a thematic workshop was organized by CBI in Stockholm within the area “Lightweight Components” of the AMANAC cluster. The workshop gathered the LCA experts from each project within the thematic area. The aim was to discuss the

goal, framework and characterization models so as to unify efforts concerning sharing of deliverables and development of databases. Some of the main hurdles identified were the lack of updated information given the early stage of technological development of some of the materials and components.

AMANAC at the “Impact of the Energy-efficient Buildings PPP” Workshop April 27-28, 2015

AMANAC was presented in the impact workshop as an “umbrella” of the Session 1 projects on Nanotechnologies and Advanced Materials in EeB. During the Session, 27 projects that participate in AMANAC, grouped in six thematic areas, discussed actions that could improve their technological and non-technological impact. The benefits of clustering were highlighted. It was recognized that project clustering sets a new level of communication. Projects that

participate in AMANAC increase the visibility of their results and achievements and learn to “share” and “listen”. Among others, costs for participation in big events are shared among projects. Projects develop harmonized approaches in key issues (LCA/LCC, safety, standardization); they have access to AMANAC databases and committees, to training events and related material, to the AMANAC Wiki, web exchange platform etc.





AMANAC NEWS AND EVENTS

AMANAC on ICAE 2015 and FIRE WORKSHOP

May 27-29, 2015

One of the AMANAC-CSA partners, TECNALIA Research & Innovation hosts the VII International Congress on Architectural Envelopes (ICAE 2015) on 27th, 28th and 29th May 2015. The event, which is held every 3 years, will take place at the Kursal Congress Center at Donostia - San Sebastian (Spain). The main topic of the Congress is related to "Smartization" and/or the introduction of new technologies in Architectural Envelopes.

Under the AMANAC umbrella, the following events are planned during ICAE 2015:

- Wednesday, 27 May 2015: "AMANAC projects special session", with oral presentation of the **Advanced Materials and Nanotechnology related projects** (11.30 - 18.30)
- Thursday, 28 May 2015: „AMANAC FIRE Workshop" (12.00 - 14.00)
- Thursday, 28 May 2015: Joint AMANAC and Indoor Environment Quality (IEQ) Cluster meeting (15:30 - 17:30)

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PROJECT INFORMATION

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PARTNERS

