



## BIMCAT Barcelona Declaration

The current socioeconomic and environmental context calls for a commitment to resource efficiency, saving and optimisation, particularly in building and architecture. This means it is essential to modernise the construction industry, which is still using practices that have been shown to be outdated and incapable of meeting this requirement.

The BIM environment is based on the collaboration and transparency of all stakeholders involved in the construction process and it creates a new paradigm in the construction industry. Adopting it seems inevitable because that is the way numerous European countries and the EU view it, urgent because the 2020 energy commitment compels us, and desirable because of the resolve for change and improvement in the current context.

Catalonia has always been a driving force for change in Europe. Now we need to implement this change to transform a production sector so it can deliver new opportunities by setting up a new collaborative framework for all involved in the building cycle. Governments, construction industry players, engineers and professionals have to work together to achieve this common challenge in a way that is effective and takes into account what is entailed by introducing a new attitude to current technology and methods geared towards control, transparency, teamwork and efficiency.

To this end the Government of Catalonia and Barcelona City Council have decided to set up a *BIM Working Group* to help implement the culture, values, work methods and digital and electronic technologies needed to train industry, government, research centres, professional groups and academia. The *BIM Working Group* will take action on:

- What has already been built: the country's property assets, their functional upgrading, and material and energy intervention
- What is to be built: the processes and requirements to understand, ask for, contract and carry out works in this new building cycle
- And the city: by understanding industrialised construction's potential to create smart buildings that make up a city and generate a smart geographic area which can be managed efficiently and effectively.

The industrial sector in Catalonia has to lead this change to improve sustainability in its three areas: social, environmental and economic. We need to be careful when using public and private resources to have an effective impact on the change in mindset and processes required to revive the sector responsibly, so as to enhance the welfare of the public, and also resolutely, in order to build a new economic and employment future.

Furthermore, the impetus afforded by the annual European BIM Summit in Barcelona, a key factor in the strategy for sharing experiences and analysis of the state of the art in BIM, will be leveraged to set up a monitoring centre to measure these events and compare them internationally.



Work schedule:

1. **Target 2015-2016: agree a BIM mandate in Catalonia**
2. **Target 2017: adoption of IFC standards, guidelines, classifications and delivery processes** for the digital model designed for **every stage of the construction project, its implementation and subsequent maintenance and integration into the city**. Map out **common protocols for creating and specifying information shared between stakeholders to deliver full interoperability between the parties**.
3. **Targets 2018**
  - a. Public facilities and infrastructure with a **budget over €2 million** should be produced using BIM in the **design to construction stages**
  - b. Restrict this target to **new build projects**
4. **Targets 2020**
  - a. All public facilities and infrastructure should be produced using BIM in all stages: design, construction and operation (maintenance and facility management)
  - b. Restrict this target to all **new build and refurbishment projects**

We believe that this schedule will give the industry and the stakeholders involved in the construction and building cycle the time they need to adopt BIM.

In Barcelona on 13 February 2015

Declaration sponsors:

