

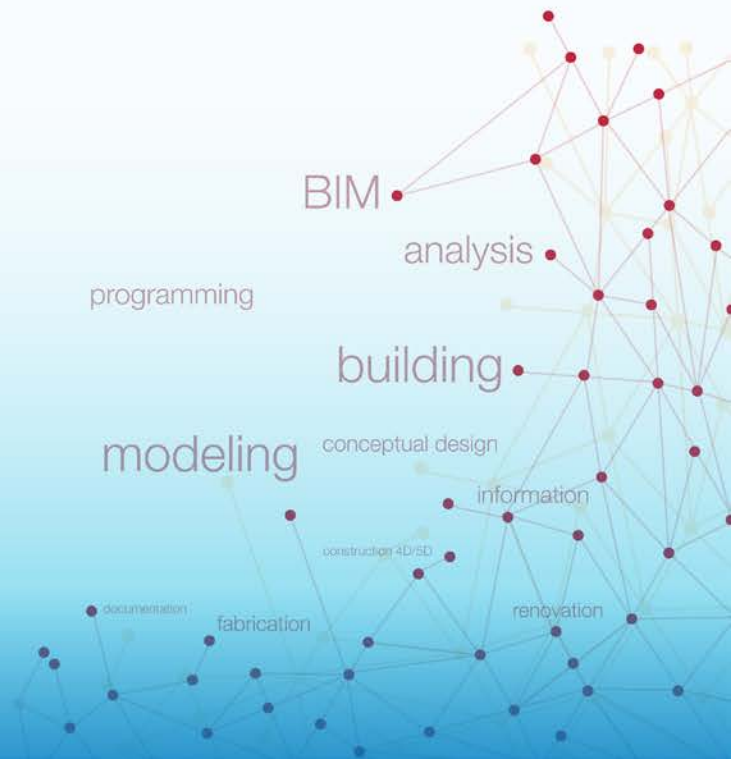


EUROPEAN SUMMIT
Barcelona 2016

Barcelona
World Trade Center
18 · 19 February 2016

How to make BIM an SME-friendly tool

Riccardo Viaggi
EBC Secretary General



Organizers:



COL·LEGI D'APARELLADORS, ARQUITECTES TÈCNICS
I ENGINYERS D'EDIFICACIÓ DE BARCELONA



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Main Partner:



Construction in Europe



10  **91.9%**
European construction enterprises with less than 10 employees

20  **96.9%**
European construction enterprises with less than 20 employees

50  **98.9%**
European construction enterprises with less than 50 employees

250  **99.9%**
European construction enterprises with less than 250 employees

+250  **0.1%**
European construction enterprises with more than 250 employees

THE CONSTRUCTION SECTOR



10%
of the GDP of the European Union



3 millions
enterprises in the sector



13 millions
workers in the sector



40%
of greenhouse-gas emissions

SMALL AND MEDIUM CONSTRUCTION ENTREPRISES

80%

Produce 80% of the construction industry's output



83%

Employ 83% of the total sector workforce



Create local jobs for traditional manual activities which are not subjected to delocalisation



Have a huge potential to reduce **YOUTH** unemployment, offering increasingly more qualified jobs



They said... we say

“What is good for Ford is good for America”

Henry Ford - 1907

“Quand le bâtiment va, tout va”

“When construction grows, everything grows”

Member of the French Parliament - 1850

“What is good for SMEs is good for construction”

EBC - 2015

EBC was established in 1990

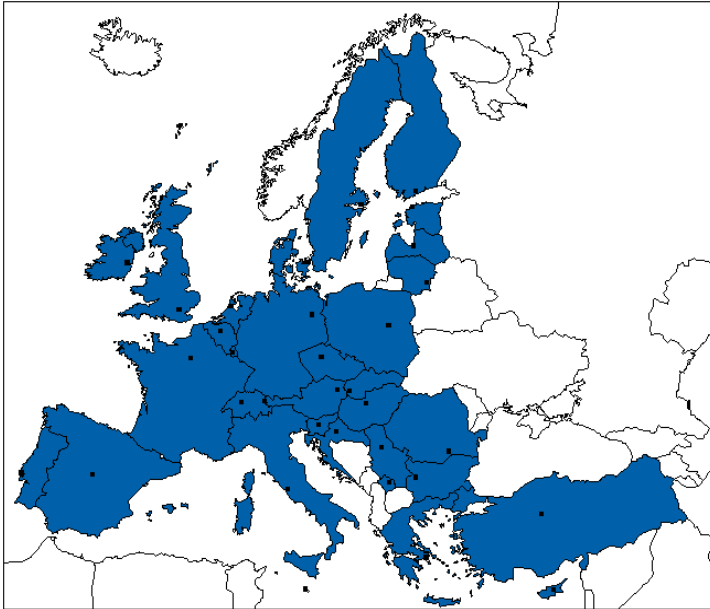
2015: 16 members in 14 countries

2016: 3 new members from 2 new EU countries

EBC's network

- *2 million construction SMEs represented*
- *All the different trades of construction*
- *5 full-time staff members – 5 foreign languages*
- *Financed by membership fees*
- *Integrated by EU-financed projects*

Founding member of SBS – Small Business Standards



- *Established in December 2013*
- *SBS represents and defends SME interests in the standardisation process at European and international*
- *22 members*
- *32 countries*
- *14 million SMEs*
- *Partner of CEN, CENELEC, ETSI and ISO*
- *Experts in 46 TCs/WGs in 19 sectors*

SBS Members

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Involvement on BIM

CEN TC 442 on Building Information Modeling created in April 2015

Scope: To develop a structured set of standards, specifications and reports on BIM

Through SBS, EBC delegates an expert to CEN TC 442 on BIM.

Why?

BIM is as a breaking element to build better, more quickly and more cheaply

Uptake of BIM in building operations largely depend on its implementation by small construction enterprises

Needs of SMEs should be taken into account by the new CEN/TC 442 as a high priority

BIM-related SME needs

1. *Develop BIM tools to be adapted to the building renovation market*
2. *Ensure that the use of digital model tools will not constitute ground for exclusion of craftsmen and SME*
3. *Guarantee that the development of digital model tools will reflect the needs of the sector*
4. *Ensure that digital model tools will not be prescriptive for particular products*

BIM-related SME needs

5. *Provide SMEs with economically accessible digital model tools*
6. *Develop well-designed tools for construction SMEs*
7. *Develop tools to be easily implemented by craftsmen and SMEs*
8. *Investigate about the position of insurance providers with regard to the use of digital model tools*

SBS/EBC perspectives on BIM

Contribute to the activities of CEN/TC 442

Consolidate an SME stance on BIM

Raise awareness of EBC and SBS members

Keep the SME stakeholders informed about BIM developments

Start now training operations



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Thank you for your attention

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