



# STAND-INN

## Standards for innovation in construction and fm



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## Welcome

Welcome to the first issue of STAND-INN News, a newsletter for those who are involved in construction and FM in Europe. STAND-INN is a network of private companies and public organisations from right across the EU, sharing a common vision to create sustainable value for our customers over the entire life-cycle of their buildings.

Things are changing in the building and construction industry. Buildings are no longer seen simply as capital assets; building products are not just physical objects. All of us, all along the supply chain, are part of a 'service arena'. In this arena, we are contributing to the life-cycle performance and sustainability of the building so that the end-value of the project is increased for the customer and productivity and opportunities are increased in the industry

Construction is a major industry in Europe. Around 26 million workers in 15 EU countries are employed in the construction sector, with 2.5 million firms involved – 97% of them are small and medium-sized enterprises. This fragmentation makes it all the more important for us to talk to one another, and the best form of communication is through information-sharing on projects and the use of tools such as the building information model (BIM). We need to 'build smart'.

And that is what we are about. The STAND-INN project has been set up under the Europe INNOVA programme as a network to provide guidance on the use of standards and best working practices. A great deal has already been done on standards, and BuildingSMART – a member of this project – has been responsible for setting the IFC standards, the Industry Foundation Classes that aid high-level information exchange.

But more, much more, needs to be done. We must bring together the existing standards, develop new standards for sustainable development and above all help bring about changes in behaviour that will lead to new and more efficient business processes.

Whether you belong to the STAND-INN project and its member organisations or are a part of the wider construction industry, we will let you know of our progress and how our results can benefit you.

Svein Erik Haagenrud  
STAND-INN project leader

*In the next issue...*  
*progress in the STAND-INN work packages*

### Vision

Sustainable value creation for customers over the life-cycle of buildings using information models.

### Mission

Our mission is to provide guidance on how standardisation supports innovation and 'building smart'. We will actively disseminate information about sustainability and BIM standards.

### STAND-INN ... at a glance

- two-year EU project, begun in September 2006
- IAI International and IAI Chapters fully involved
- pan-European consortium
- drawn from 11 European countries and China
- seven work packages
- STAND-INN run under Europe INNOVA programme
- influences EU member country policies
- see [www.europe-innova.org](http://www.europe-innova.org)

### Diary dates 2007

- 31 January* EU Sustainable Energy week, Brussels
- 14 February* Workshop, Sofia Antipolis, France
- 20 February* NBIMS briefing, Washington DC
- 9 March* EU project co-ordination for 'building smart', Brussels
- 27–29 March* Project meeting in Madeira
- 18 April* BuildingSMART conference, London
- 19 April* BuildingSMART briefing, London
- 7–8 May* EUREKAbuild!, Oslo
- 9 May* Development of data standards for service planning, Cape Town
- 21 June* BuildingSMART UK Summer Event, London

## What we're doing

We have developed seven separate areas of work – or work packages – managed by different members.

1. Guidelines to facilitate the integration of IFC-based building standards into business processes to enhance innovation

Contact: Ole Jørgen Karud ([ole.jorgen.karud@sintef.no](mailto:ole.jorgen.karud@sintef.no))

2. Innovative building products and services using sustainability standards

Contact: Wolfram Trinius ([trinius@trinius.de](mailto:trinius@trinius.de))

3. Innovative sustainable housing using sustainable standards

Contact: Pekka Huovila ([pekka.huovila@vtt.fi](mailto:pekka.huovila@vtt.fi))

4. Innovation improvement by reference to standards in public procurement

Contact: Juan Perez ([juan@labein.es](mailto:juan@labein.es))

5. Awareness, dissemination, feedback and exploitation

Contact: Christopher Groome ([chris.groome@b-r-t.co.uk](mailto:chris.groome@b-r-t.co.uk))

6. Handbook: 'Standards for design of new innovative business processes in the building sector'

Contact: Jean Luc Chevalier ([jl.chevalier@cstb.fr](mailto:jl.chevalier@cstb.fr) and Celson Lima ([clima@uninova.pt](mailto:clima@uninova.pt))

7. Policy recommendations on standards and innovation

Contact: Jeffrey Wix ([jdw@aec3.com](mailto:jdw@aec3.com))

We will keep you up to date on progress in the various areas.

## What the building information model is all about

The building information model or BIM pulls together information about the building itself (its parts and components and all the technical parameters) and the building process (participants, work plan, maintenance records, costs and so on). The information is created in IFC-compliant software, so that project participants can all work together on the basis of shared and common information.

In its winning submission to the EU, the STAND-INN project members illustrated the BIM in this way:

### buildingSMART

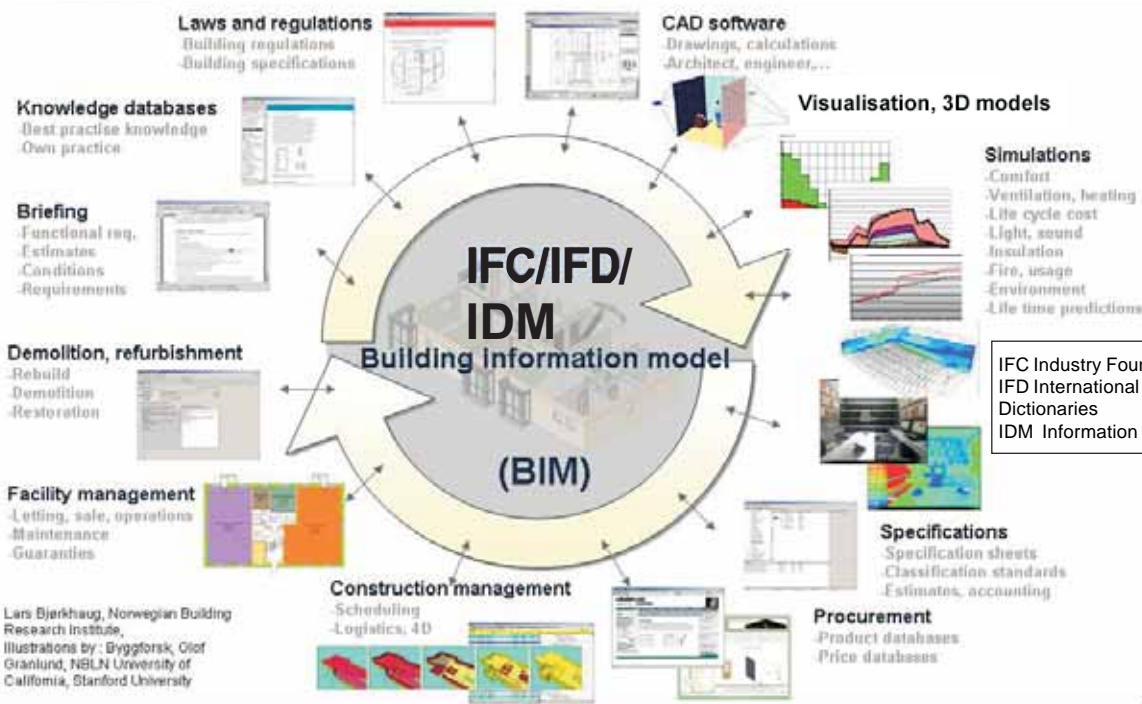
- an international standards-setting body
- leader in developing standards for information exchange
- promoting uptake both by large companies and SMEs
- BuildingSMART regional Chapters (plus the International Council) involved in STAND-INN
- see [www.iai-international.org](http://www.iai-international.org)

### Industry Foundation Classes (IFCs)

- open standards widely adopted around the world
- supported by the main software providers in architecture, engineering and construction
- providing information-rich data exchange
- offering improved accuracy and productivity

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## From ad-hoc, fragmented information to shared standardised data



Lars Bjerkhaug, Norwegian building research institute

Full title of project: *Integration of performance-based building standards into business processes using IFC standards to enhance innovation and sustainable development*