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Product and Process Room Workshops in Oslo, March 2012

buildingSMART International has formed the *Product Room* and *Process Room* to support professionals within architecture, engineering, construction, product manufacturing, and facility operations and management benefit from building information modelling (BIM) through the use of open standards, known as *openBIM*. The use of BIM can result in significant savings, however, it requires focus from management, reengineering of work processes, detailed data specifications and availability of compatible software tools. *openBIM* uses a combination of building information modelling tools and transferring data by open standards to help the building industry collectively meet these requirements.

The *Product Room* is mainly focusing on the data specifications and procedures for how virtual building products should be constructed in order to be used in a virtual building. Whereas the *Process Room* is looking at the reengineering of design, construction and operation processes by building information modeling tools.

The *Process Room* will have its first workshop in Oslo Tuesday 20th and Wednesday 21st March 2012. The *Product Room* will have a parallel workshop Tuesday 20th March 2012. There will be great opportunities to network with people within the International buildingSMART community as buildingSMART Norway is hosting a number of international meetings and a conference.

The *Product and Process Rooms* will both have a full-day workshop on successful implementation of *openBIM* through use of open standards, looking at key factors for success driven by experience from case studies. The *Process Room* will continue on to a second day with a half day workshop dedicated to BIM guidelines.

Product Room Workshop Agenda *(Process Room Workshop Agenda follows)*

Tuesday 20th March At Scandic KNA, Parkveien 68, 0202 Oslo, Norway

The workshop is focusing on how to benefit from using open BIM and Data Dictionaries during design, construction, and operation. All segments will have samples based on case studies and have time dedicated to discussion in which the audience is expected to take part.

9:00 AM	**Joint session between *Product Room* and *Process Room*** - Roger Grant, buildingSMART International - Jan Karlshøj, buildingSMART International
9:30 AM	**Business reasons for *openBIM*** Experience from cases studies related to improved profit and efficiency , and better quality - Brief Introduction to openBIM, Steen Sunesen - openBIM strategies for Norwegian Clients

	by South Eastern Norway Regional Health Authority (Helse Sør-Øst) and Norwegian Defense Estate Agency (Forsvarsbygg)
10:15 AM	**Coffee/tea break**

10:30 AM	**buildingSMART Tools and Methods**
	Case study:
	- bSDD Business Model - participation, projects, licensing
	  by Roger Grant, The Construction Specification Institute, USA
	  and Jacob Mehus Standard Norway, Norway (10 min.)
	- IFC in IFD/bSDD (15 min.)
	  by Håvard Bell, Catenda AS, Norway
	- Translation using IFD/bSDD
	  by Håvard Bell, Catenda AS, Norway
	- Classification in IFD – OmniClass (10-15 min.)
	  by Greg Ceton/Roger Grant, Construction Specifications Institute, USA
	- Product Configurator (Saint Gobain – CSTB) (10 min)
	  by Guillaume Picinbono, CSTB, France
	- Product Libraries in IFC (10 min)
	  by Bjørn Stangeland, Data Design System ASA, Norway
	- IFD Tagger (10 min.)
	  by Steen Sunesen, buildingSMART Norway

11:30 AM	**Building Products in BIM**
	- Current situation, challenges and objectives
	  by Vincent Garreau, Saint Gobain France (15 min.)and
	  Janne Aas Jakobsen, representing Norwegian product manufacturer group
	  (15 min.)

Noon	**Lunch and Networking**

1:00 PM	**Use Cases for Structured Terminology and *openBIM***
	(Note: Not all speakers are confirmed and are subject to change.)(10 min. presenta-tions+5mins for questions)
	- Product Data - IFD Sign-on
	  Hans Hope, Norway
	- French Product Databases : Edibatec – Ines by Frédéric Grand, BBS Slama, France
	- Product Data and IFC – SPie
	  Roger Grant, buildingSMART Alliance, USA
	- Product Data – VDZ
	  by Wolfgang Wilkes University of Hagen, Germany
	- Product Data - Fraunhofer/IBP
	  by Aleksander Bjaaland, Holte, Norway
	- Specifications and Product Data - RIBA
	  by Ian Chapman, NBS, UK
	- Specifications and Product Data - STABU

	by Radboud Baayen, STABU, Netherlands
	- BIM Manual Development – EPM
	by Jorulv Rangnes, Jotne EPM Technology, Norway
	- CATENDA IFD-based Products
	by Håvard Bell, Catenda AS, Norway
	- Product Data – Australian National Object Library
	by Scott, Beazley, Project Services
	- Specifications and BIM – Digicon, Canada
	by David Watson, Digicon
	- Others as time and interest permit
3:00 PM	**Coffee/tea break**
4:00 PM	**Roundtable Discussions** Open Discussion with buildingSMART Data Dictionaries specialists and content providers.
4:30 PM	**Joint session with Process Room** Access to key persons from the case studies together with representatives from buildingSMART that will give you the opportunity to interview experienced people that can guide or inspire you to use *openBIM* in your organization.
4:45 PM	**Wrap up**
5:00 PM	**Closing**

buildingSMART Chapter members are invited to identify product data and modeling efforts from across the building lifecycle and encourage them to present their material at the workshop. The International User Group (IUG) UserCom within buildingSMART will select which of the BIM Guidance projects that will be presented at the workshop. The IUG with representatives from the different Chapters is building a dialogue with buildingSMART members around the world. We hope you will join us in that dialogue towards successfully implementing openBIM with buildingSMART standards.

Please sign up for registration for participation in the Product Room at the Norwegian BuildingSMART site:

http://www.buildingsmart.no/events/iug-itm-and-bsddg-meetings-in-oslo-19-23-march-2012

Roger Grant

Product Room, Project leader

Process Room Workshop Agenda

Tuesday 20th March At Scandic KNA, Parkveien 68, 0202 Oslo, Norway

Day 1, Case studies

Day 1 in the *Process Room* will be concentrating on how to benefit from using openBIM during design, construction, and operation. All slots will have samples based on case studies and have dedicated time for discussion in which the audience is expected to take part. *(Note: Not all speakers are confirmed and are subject to change.)*

9:00 AM	**Joint session between Process Room and Product Room** - Roger Grant, buildingSMART International - Jan Karlshøj, buildingSMART International

9:30 AM	**Business reasons for using *openBIM***
	Experience from cases studies related to improved profit and efficiency , and better quality
	- Brief Introduction to openBIM, Steen Sunesen
	- openBIM strategies for Norwegian Clients
	   by South Eastern Norway Regional Health Authority (Helse Sør-Øst)
	   and Norwegian Defense Estate Agency (Forsvarsbygg)

10:15 AM	**Coffee/tea break**
10:30 AM	**Understanding your business** Experiences from process modeling and communication flow in case studies. Case study: - Building Programming, Statsbygg/Nosyko/Olof Granlund/Univ. of Salford/AEC3, Ole Kristian Kvarsvik, Nosyko, Norway - Collision detection, DIKON, Jan Karlshøj, Denmark - Nordic Energy, Jiri Hietanen, Datacubist, Finland - Energy Analysis, Lars Myhre, Boligprodusentene, Norway
11:15 AM	**buildingSMART tools and methods** An introduction to the tools, methods, specifications and services provided by buildingSMART - Identify Requirement: Information Delivery Manual - Preparation for Software Implementation: Model View Definition - Datamodel: Industry Foundation Classes (IFC) - Simplified ifcXML - Navigation in and Web Services for *openBIM*-models by Bjørn Stangeland, Thomas Liebich, and Jan Karlshøj buildingSMART International
Noon	**Lunch and networking**

1:00 PM	**Implementing *openBIM* in your organization**
	Experiences from implementing *openBIM* in different organizations regarding organizational aspects, monitoring progress, responsibilities and working procedures.
	- Statsbygg, Frode Mohus, Norway
	- Department of Public Works, Scott Beazley, Australia
	- FM Global, Thomas Gay, USA
1:45 PM	**High quality needs reliable data**
	Experience from case studies that have succeeded in making reliable data due to the availability of skilled people, compatible tools and data validation.
	- Case study: Competitions in public projects by Dalux and The Danish Building and Property Agency, Denmark
	- openBIM FM, Norway
2:15 PM	**Strategy from Norwegian contractors**
	- Rupert Hanna, Skanska, Norway
	- Terje Andersen, NCC, Norway
3:00 PM	**Coffee/tea break**
3:15 PM	**Infrastructure**
	buildingSMART is currently investigating the possibility to expand the focus from the buildings to include infrastructural elements. Since both areas are needed to describe the built environment.
	- openINFRA by Christophe Castaing, Egis, France
4:30 PM	**Joint session with Product Room and Networking**
	Access to key persons from the case studies together with representatives from buildingSMART that will give you the opportunity to interview experienced people that can guide or inspire you to use *openBIM* in your organization.
4:45 PM	**Wrap up**
5:00 PM	**Closing**

Wednesday 21st March, At Scandic KNA, Parkveien 68, 0202 Oslo, Norway
Day 2, BIM Guidelines

Day 2 of the Process Room Workshop is looking at the need for BIM Guidelines in order to make a productive and efficient workflow. The technical part of a BIM manual is indisputable but the business aspect can easily be overlooked. Since the BIM Guidelines have an impact on the processes, data quality and proportions they have to be viewed both from a business and a technical perspective. This workshop will concentrate on the business perspective. Another aspect seen from a business perspective is the growing number of manuals and guidelines that can lead to costume unique material with its own structure and requirements. Several initiatives are trying to harmonize the guidelines across national or custom boundaries.

All slots will have a minimum of 1/3 of the time dedicated to a debate in which the audience is expected to take part. *(Note: Not all speakers are confirmed and are subject to change.)*

9:00 AM	**Business perspective on BIM Guidelines** An international aspect from organizations providing services for customers at a global scale. - Mark Baldwin, Oger International Abu Dhabi.
9:30 AM	**NBIMS** buildingSMART Alliance in USA is responsible for developing the National Building Information Modeling Standard. The presentation will include the reasons for starting the initiative and the current status. - Thomas Gay, buildingSMART Alliance, USA
10:00 AM	**ISO** The International Standardization Organization is developing a framework for BIM Guidance documents. - Nick Nisbet, AEC3, UK
10:30 AM	Coffee/tea break

10:45 AM	**National or public samples**
	- Norwegian Guidelines/Statsbygg
	  by Frode Mohus, Statsbygg, Norway
	- Finnish Guidelines/Senate Properties
	  by Tomi Henttinen, Gravicon Oy, Finland
	- Danish bips guidelines
	  by Gunnar Friborg, bips, Denmark
	- Proposed German Guideline
	  by Thomas Liebich, AEC3, Germany
	- Australian Natspec
	  by Scott Beazley, Department of Public Works, Australia

11:45 AM	Wrap Up
Noon	Closing

buildingSMART Chapter members are invited to identify BIM Guidance from significant user communities and encourage them to present their material at the workshop. The International User Group (IUG) UserCom within buildingSMART will select which of the BIM Guidance projects that will be presented at the workshop. The IUG with representatives from the different Chapters is building a dialogue with buildingSMART members around the world. We hope you will join us in that dialogue towards successfully implementing *openBIM* with buildingSMART standards.

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Jan Karlshøj

Process Room, Project leader