Welcome to Oslo!

Per Jørgen
CEO
Norwegian Homebuilders Association

European Construction Technology Platform
"Challenging and Changing Europe’s built Environment"

Vision for a sustainable and competitive construction sector in 2030.
ECTP

Strategic Research Agenda
(Nov. 2005)

Research priorities
Meeting client/users requirements
Becoming sustainable
Transforming the construction sector

>FAs’ SRA

Strategic Research Agenda for the European Construction Sector
Achieving a sustainable and competitive construction sector by 2020

EurekaBuild
HLG (Bouygues)
SG (Dragados)
Mirror Group
Secretariat (CSTB)

Focus Areas: Underground construction, cities & buildings, networks, cultural heritage, materials, quality of life, processes & ICT.

AG (clients & users)
AG (SMEs)

National TPs (~25 countries)

>>1000 members

Plenary Assembly
Paris, Nov. 21-22, 2006
EurekaBuild initiative
to improve the participation
of NTPs and SMEs
in research projects

Eureka is Europe’s oldest joint research initiative (1985)
To enhance competitiveness
Flexible and decentralised networks
Eureka projects
Eureka umbrellas

www.eureka.be
www.ectp.org
www.ectp.org/eurekabuild.asp

Eurekabuild Partners

- Austria
- Belgium
- Croatia
- Czech Rep.
- Denmark
- Finland
- France
- Greece *
- Iceland *
- Lithuania
- Netherlands
- Norway
- Poland
- Portugal
- Slovenia
- Spain
- Sweden
- Switzerland
- UK

2006 - 2009
Norwegian Construction Technology Platform

• A tool for increasing the innovation and research activities in the Norwegian construction industry
• Linking the Norwegian construction industry to European research initiatives (FP7, CIP, EurekaBuild, EraBuild)
• Active in EurekaBuild and ECTP work
• Representing Norwegian partners in all ECTP FAs and organizing National FA groups
• Promoting and coordinating Norwegian participation in specific project initiatives
• Working in close connection with the Norwegian Research Council, Innovation Norway, Nordic Innovation Center
• Active in the coordination of Nordic co-operation between NTPs in the ECTP

Organisational structure, Norwegian platform (NCTP)

NCTP board

SECRETARIAT, MANAGEMENT

SINTEF

FA1 FA2 FA3 FA4 FA5 FA6 FA7

Led by industry
"Resource group" of scientists

Contact with ECTP and other platforms

General assembly / HLG
BNL - FIB
Industry
Users
Public
Institutes
Universities

Chairing by the buildingSmart organization in Norway
buildingSMART in Norway
- "develop eCollaboration based on buildingSMART"

Participants buildingSMART, Norway

- The Federation of Norwegian Construction Industries
- Association of Consulting Engineers
- Association of Architects
- Norwegian Homebuilders Association
- Norwegian Construction Products Association
- The Organization of Timber and Building Materials Merchants
- Association of Technical Entrepreneurs
- The Norwegian Joinery Manufacturers Association
- Norwegian Master Builder Association
- Standards Norway
- SINTEF Building and Infrastructure
- Statsbygg - The Directorate of Public Construction and Property

- Funding partners
  - Innovation Norway
  - Building Cost program
Goals

- Set the standard for object-based data exchange and sharing of virtual buildings:
  - IFC model
    - create a comprehensive information specification
  - Dictionary
    - use standard names and definitions of properties for IFC extensions
  - Exchange Requirements
    - define information requirements and rules for particular business processes
  - Reference Processes
    - establish standard process descriptions that can be extended for projects
buildingSMART
Objectives

- Define structure and method for behavior for tomorrows building- and construction industry
  - nationally and internationally
- Make Norwegian industry competitive through optimised use of technology.
- Be the most important innovation pillar in the industry

The Norwegian buildingSMART - project

3. Business development
   - International business development
   - National business development
   Activities
   - Export of knowledge
   - Investigate new business models
   - The "Nordic model"

2. Implement/depoly buildingSMART
   - eCollaboration & eProcurement
     - Electronic collaboration
     - Product information
     - Changes in business processes
     - eGovernment
   Activities
   - Pilot projects
   - HTOS
   - Pilot groups
   - User requirements

1. Develop buildingSMART
   - Semantic technologies
     - IFC-IDM (data model and information exchange requirements)
     - IFD (ontology project) International Framework for Dictionaries
   Activities
   - Standardisation
   - ISO TC 59/ TC 184
   - EU's 7 Frame program

4. Knowledge based systems
   Active and Smart building knowledge platforms
   www.buildingsmart.no
Links and contacts

• Platform:
  – www.ectp.org
  – www.ectp-norway.no

• Secretariat NCTP:
  – Svein.haagenrud@sintef.no
  – Svein.danielsen@sintef.no

E!3790 EurekaBuild
secretariat.ectp@cstb.fr
www.ectp.org/eurekabuild2.asp
Thank you for your attention!