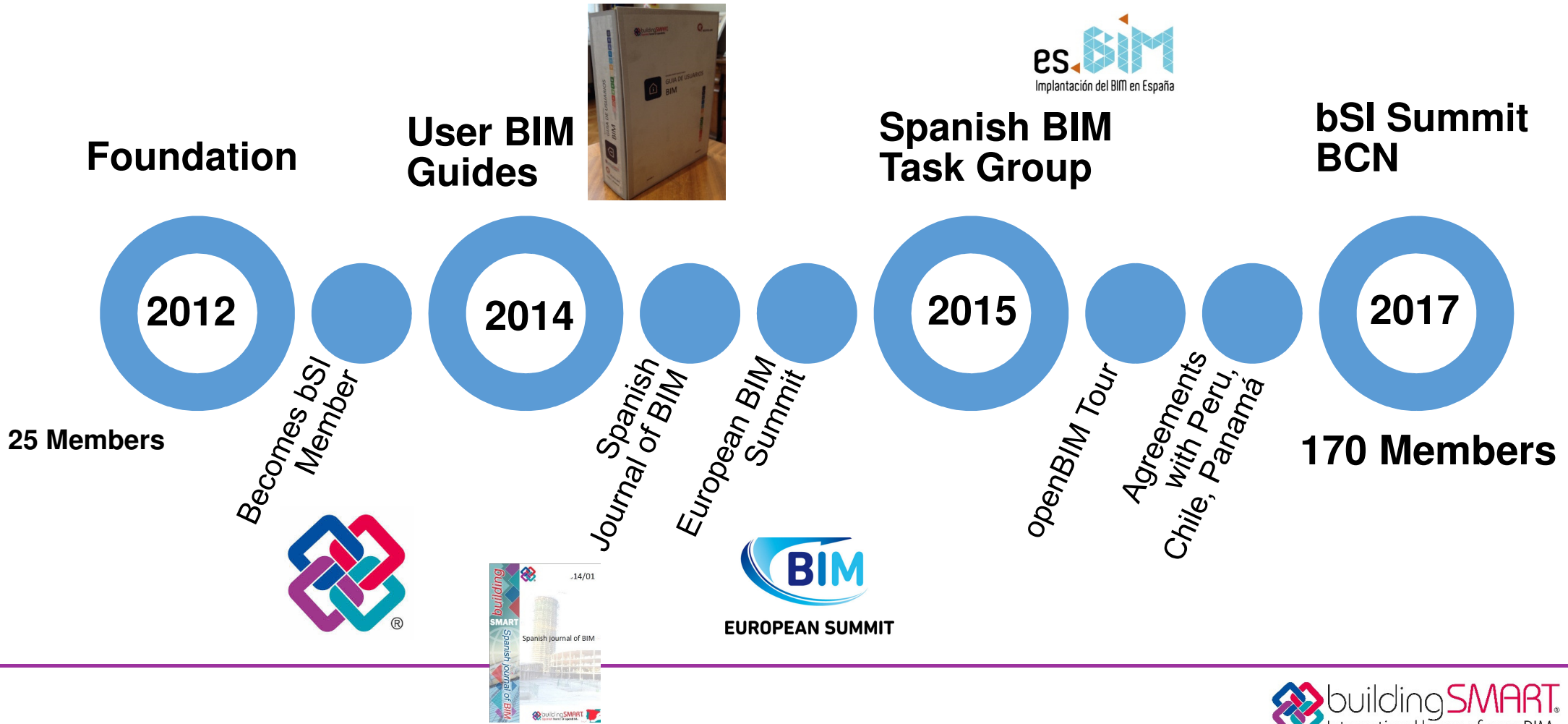


Asamblea General buildingSMART Spanish Chapter

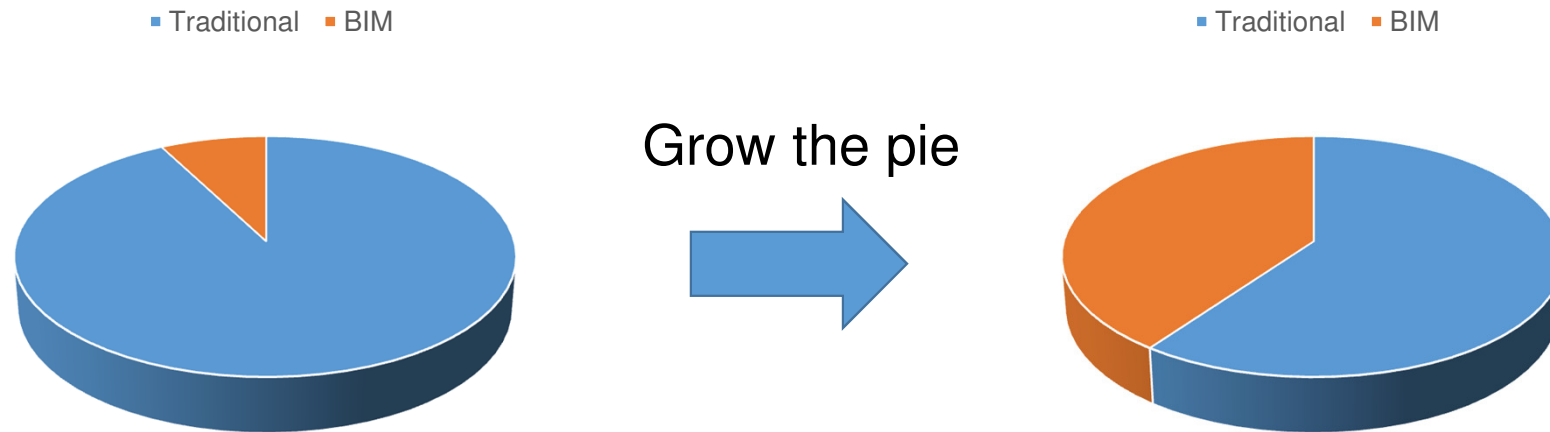
Sergio Muñoz
Presidente

Spanish Chapter: Timeline



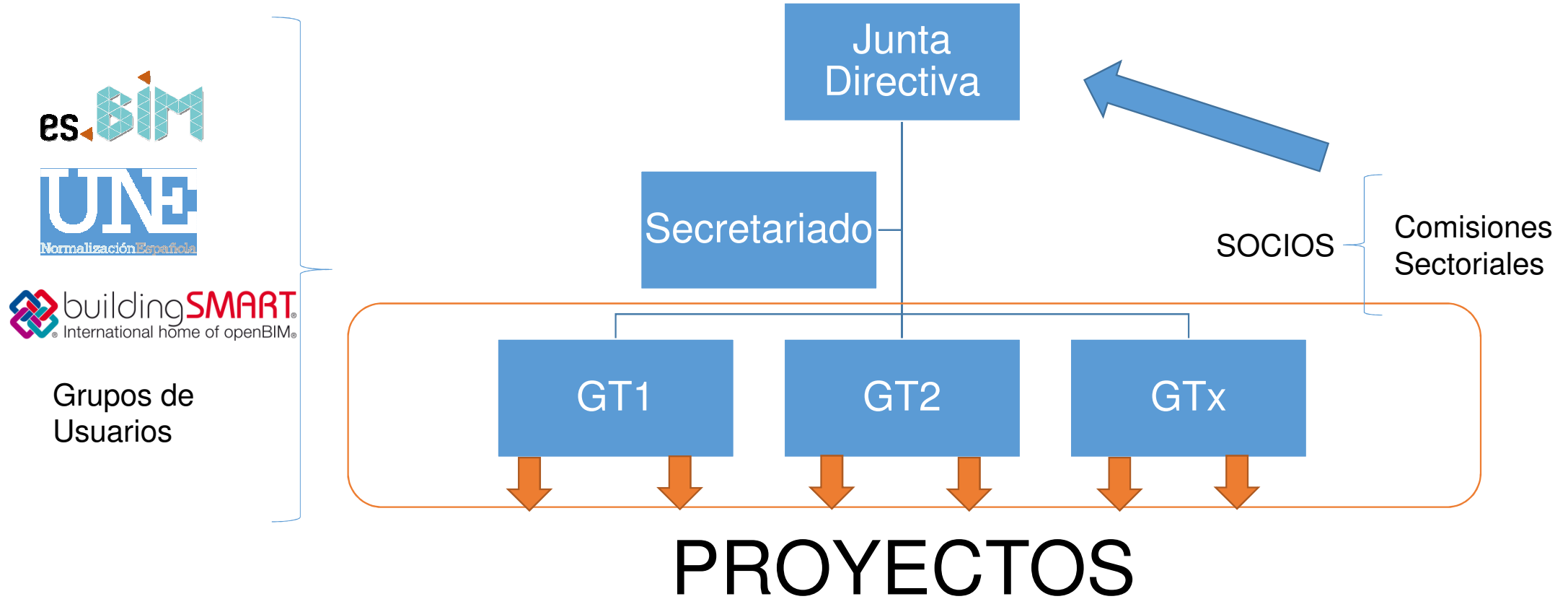
Spanish Chapter: Objetivos

Promover la demanda de BIM



Establecer un entorno que permita el uso de estándares abiertos

Cómo alcanzar los objetivos



Agenda

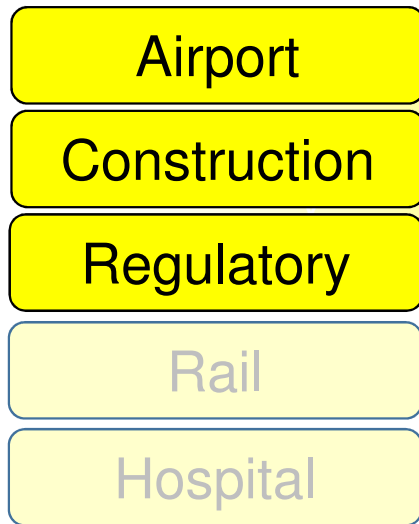
10'15 – 11'00	OpenStandards at Schiphol Airport Mr. Alex Worp, Schiphol Airport
11'00 – 11'30	Pausa Café
11'30 – 13'30	Actualidad BIM
11'30 – 11'50	Comisión es.BIM, Julio López, INECO.
11'50 – 12'10	Comité de Normalización AEN/CT41/SC13, Fernando Machicado, UNE.
12'10 – 12'20	Building Room, Ricardo Bittini, FERROVIAL
12'20 – 12'30	Construction Room, Teodoro Álvarez, FERROVIALRegulatory
12'30 – 12'50	Infra Room, Jesús Valderrama, APOGEA
12'50 – 13'00	Room, Ángel Esteve, Ministerio de Fomento
13'00 – 13'10	Programa de Certificación, Antonio Tort, BIMFREELANCE
13'10 – 13'30	International Group of Users, Miquel Rodríguez, STATIC, David Delgado, DDV.
13'30 – 15'00	Comida
15'00 – 16'00	Asamblea General Balance de actividades 2016-2017
	Balance económico 2016-2017
	Propuestas cambios en los estatutos
	Nuevos proyectos: Observatorio de Proyectos, Guía IFC, BIM para Patrimonio.
16'00 – 17'00	Elecciones Generales

buildingSMART Rooms

Different areas of focus

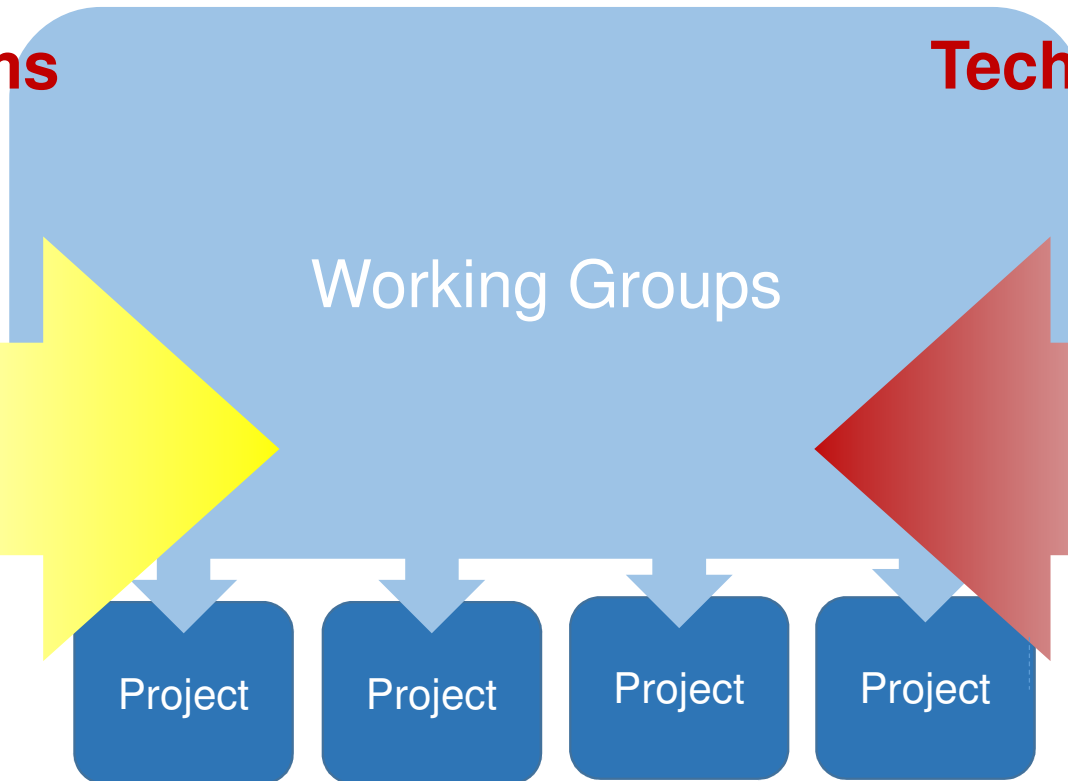
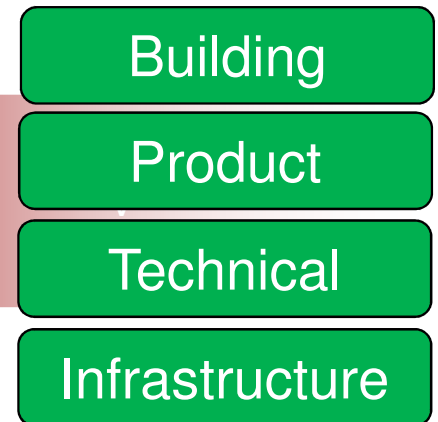
User Focus Rooms

Requirement Definitions
Some Solutions

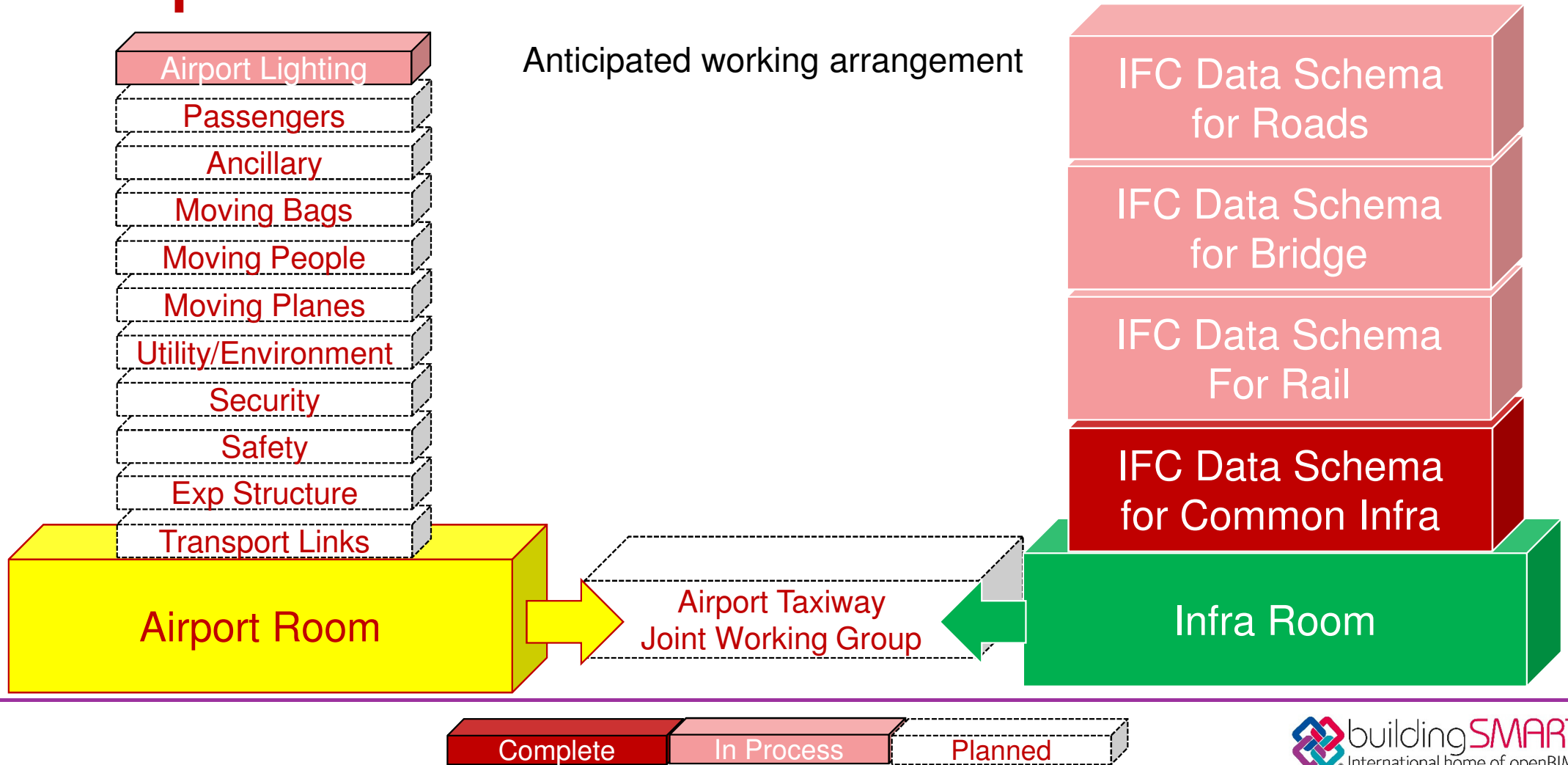


Technical Focus Rooms

'Operating System'
Open Standards



Airport Room Collaboration



Infra



Christophe Castaing

EGIS

buildingSMART Infrastructure Room

Tiina Perttula Ramboll

Laura Mol Gobar

Current Activities

IFC Bridge

IFC Infra Asset Management

IFC Rail

Linear Extensions

IFC Road

IFC Harbour & Ports

Recent successes

IFC 4.1 Infrastructure alignment *bSI Final Standard*

IFC Infra Overall Architecture *bSI Technical Report*

Engaged parties

Trafikverket, Rijkswaterstaat, Liikennevirasto, China Rail, MINnD, SNCF, DB Netze, ÖBB, SBB, BMVI Germany, Korean Construction Institute Technology, China Communications Construction Company

Accumulating and accelerating

Building



Ricardo Bittini
Ferrovia Agroman
buildingSMART **Building Room**

Jan Karlshøj Gravicon

Recent successes

2016 International bSI awards

Activities

IFC Energy Transfer
IFC Quantity take off
Level of X
IDM Model Set up

Engaged parties

DiBK Norway, HOK, NATSPEC

Consolidating and progressing

Product



Roger Grant
NIBS
buildingSMART **Product Room**

Recent successes

New licensing framework for bSDD

Activities

IFC.doc to bSDD integration of psets
Roll out of bSDD licensing framework
Creating a bSI/CEN standard for product libraries and data templates

Engaged parties

Autodesk, Catenda

Refocusing and developing

Technical



Greg Schleusner
HOK
buildingSMART **Technical Room**



Thomas Liebich
AEC3
buildingSMART **Model Support Group**

Recent successes

IFC OWL ontology *candidate standard*
BCF v2.1 *bSI Final Standard revision*
IFC4 Design transfer view *bSI Final Standard*
IFC4 Reference view *bSI Final Standard*

Activities

IFC Strategy development and focus
IFC OWL
bSDD to Linked data investigation
Feedback loop to BCF group

Engaged parties

BCF Group; iabi, aconex, Catenda, Kubus,
Nemetscheck Group
Plus all members of the Standards Committee
Technical Executive including; Trimble,
Autodesk, AEC3

Refocusing and progressing

IFC4 SW-Certification

- Under preparation since 2015
 - Pilot start July 2016
 - b-Cert ready to go: Jan 2017 ... debate on pricing ... finally fixed June 2017

- Information:

- www.buildingSMART.org -> **missing**



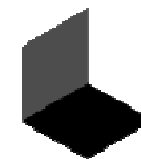
- Start with 2 MVDs

- IFC4-Reference View
 - Less than IFC2x3 Coord.View 2.0
- IFC4-Design Transfer View
 - A bit more than IFC2x3 Coord.View 2.0 with specific scope
 - **Needs further elaboration**

- More automated testing
- Improved test-cases (lessons learnt)
- Extensive usage of mvdXML
- New supporting cloud-platform
 - Driven by mvdXML
 - Supporting BCF

Supported by

iabi



apstex
VISUALIZE YOUR DIGITAL KNOWLEDGE



Regulatory



Øivind Rooth
DiBK
buildingSMART **Regulatory Room**



Inhan Kim
buildingSMART Korea
buildingSMART **Regulatory Room**

Recent successes

Regulatory *recommended Technical Report*

Activities

Automated code checking
E submission common guidelines

Engaged parties

Governments; Slovenia, Iceland, Singapore,
Estonia, Sweden, Norway
Non Government representatives; Korea,
Japan, UK, Spain, Italy, China

Winning support and invigorating

Construction



Ken Endo
Kajima Corporation
buildingSMART **Construction Room**

Activities

IFC Energy Transfer
IFC Quantity take off
Level of X
IDM Model Set up

Recent successes

Well attended workshops in Korea,
Japan and Barcelona

Engaged parties

Kajima Corporation, LafargeHolcim, Ferrovial
Agroman, Takenaka, Implenla, Hyundai,
Doalltech, Graphisoft

Discussing and learning

Airport



Yannick Vos
Schiphol Airport
buildingSMART **Airport Room**

Alex Worp Schiphol
Rob Roef Construsoft

Activities

Establishing workplan
Establishing Steering Committee

Recent successes

Well attended launch meetings in
Korea, Netherlands and Barcelona

Engaged parties

Airports: Schiphol, Abu Dhabi, Heathrow,
Incheon, Ataturk, Copenhagen, Vinci Airports

Preparing (for take off)

Resource requirement

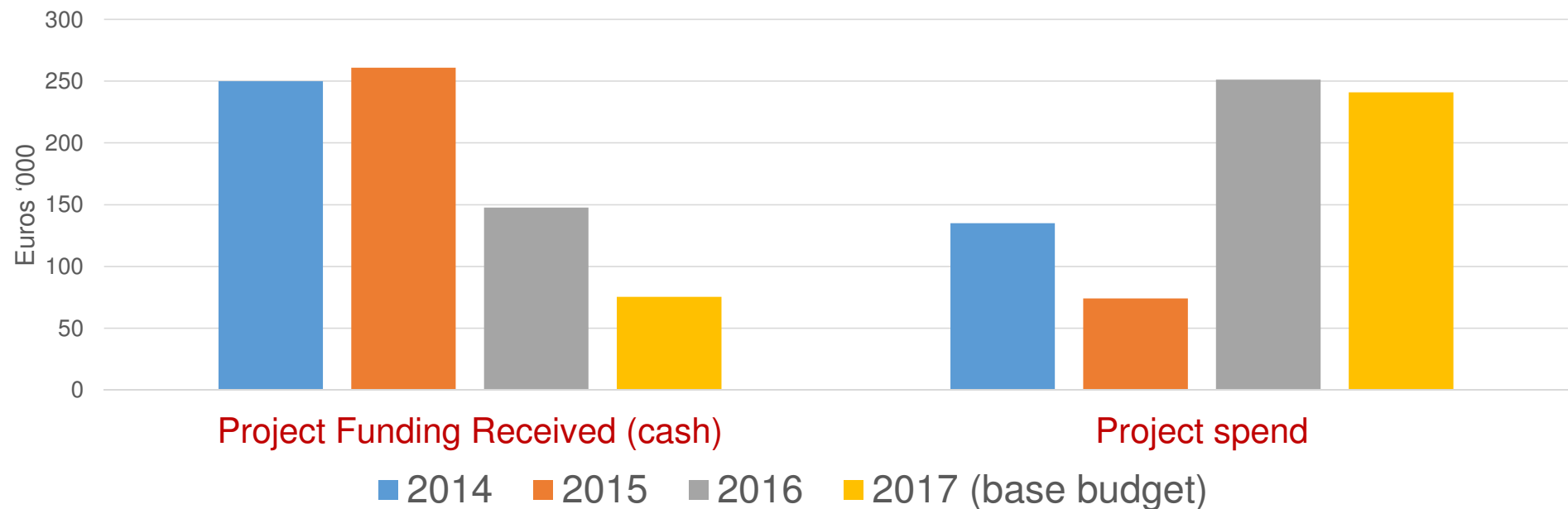
Room administration

One person to act as organizer of meetings and data bases for all Rooms

Employed by bSI but located within one of the Chapters

Membership income now allowing base budget aspirations

Project Sponsorship



Does not include the predicted €400k required for IFC Rail or any 'Work in Kind' committed

Initiation Standard Proposals

Building	Infrastructure	Product	Technical	Regulatory
MVD FM Handover	IFC4 Infra alignment 1.1 (Deployment)	IFC mapping into bSDD	Linked building data ifcOWL	E-submission common guidelines
MVD Energy thermal transfer	IFC Rail	Data dictionary enabler	mvdXML Trust in BIM deliverables	Automated code checking
MVD Scheduling	IFC Asset Management	Product templates and BIM objects		
MVD Quantity take off	IFC Bridge	IFC Primer. Real life object mapping		
MVD Annotation	IFC Road			
IDM Configurator	IFC Linear extensions			
Level of X (LOX)	Harbour & Ports			
IDM Model set up				

Developing Standards

Development

Building	Infrastructure	Product	Technical	Regulatory
MVD FM Handover	IFC4 Infra alignment 1.1 (Deployment)	IFC mapping into bSDD	Linked building data ifcOWL	E-submission common guidelines
MVD Energy thermal transfer	IFC Rail	Data dictionary enabler	mvdXML Trust in BIM deliverables	Automated code checking
MVD Scheduling	IFC Asset Management	Product templates and BIM objects		
MVD Quantity take off	IFC Bridge	IFC Primer. Real life object mapping		
MVD Annotation	IFC Road			
IDM Configurator	IFC Linear extensions			
Level of X (LOX)	Harbour & Ports			
IDM Model set up				

Published

bSI Final Standards

IFC Base Standards ISO

IFC Specifications & Tools

IFC 4 Specialist site

IFD Framework for object orientated info ISO

IFC4 Design Transfer view MVD

IFC4 Reference view MVD

IFC4 Infrastructure Alignment

BIM Collaboration Format XML

BIM Collaboration Format API

BIM Collaboration Format v 2.1

IFC 4.1 Alignment positioning

bSI Final Technical Report

Model View Definition for LANDXML v1.2

Infrastructure Overall Architecture

