

# Showcasing the Regulatory Room Outputs

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# Overview of Regulatory Room



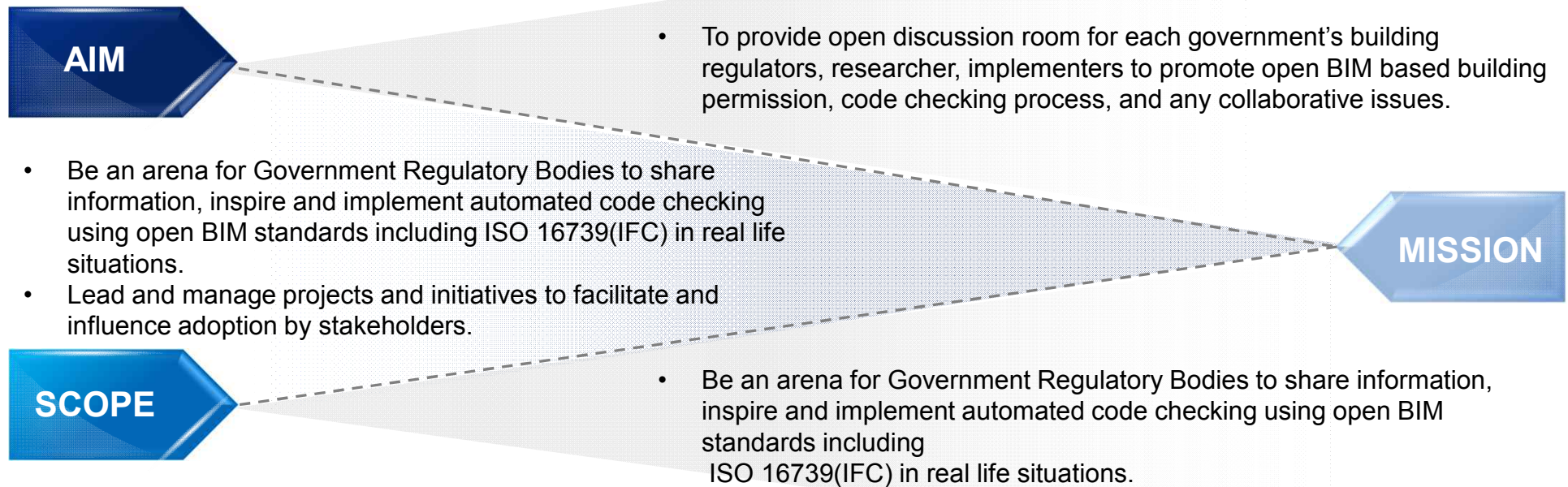
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Regulatory Room

# Overview of Regulatory Room

## 1) Overview of Regulatory Room

- The Regulatory Room's remit is to standardize **Processes/Work-Flow/Procedure** for **open BIM** for **buildings regulators** based on open BIM and to support them **with Tools, Guidelines and Manuals**.
- It is anticipated that the work of the Regulatory Room will lead to new **Templates, IDMs and MVDs** and **corresponding Terminology Sets** identified in the bSDD to support building regulation.



Regulatory Room

# Overview of Regulatory Room

## 2) Deliverable of Regulatory Room

- Develop **Standards for Structured building codes** and **Guidelines for how to develop digitation friendly building codes and regulations.**
- The Regulatory Room will provide arenas to share ideas and vision within the international building authority community.
- The Standards related Regulatory Code Checking aligned with BSI Principles, Standards and Technologies as valuable base
- The Governance and Steering Bodies to facilitate the process in R/R to achieve goal
- Mobilization of International Expert Group/Fellow for the quality of development and deploy the solution
- Platform/DB to share the best practices, knowledge and progression of key initiatives



- Development of Logic rules for automated code checking
- Define required Information on automated code checking based on open BIM



- Development the guideline on automated code checking based on open BIM



- Development the tools to support the automated checking on regional building code



- Development standard process for building submission

# Discussion subjects in Singapore 2015



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Regulatory Room

# Regulatory Room Attendance List

No	First Name	Last Name	Nationality	Organization
1	Inhan	Kim	South Korea	Kyung Hee Univ.
2	Gutaek	Kim	South Korea	Cospec Innolab
3	Seokjoon	You	South Korea	Seokyoug Systems
4	Alan	Maury	France	bS France
5	Nick	Nasbet	UK	bS UKI
6	Masaki	Muto	Japan	BRI. Japan
7	Heikki	Kulusjärvi	Finland	Solibri.Inc
8	Andreu	Lim	Singapore	Novacitynets
9	Jongyeon	Bae	South Korea	Kyung Hee Univ.
10	Jinkook	Lee	South Korea	Hanyang Univ.
11	Qi	Zhang	China	Tsinghua Univ.
12	Youngran	Um	South Korea	Cospec Innolab
13	Karam	Kim	South Korea	Kwangwoon Univ.
14	Evelyn	Teo	Singapore	NUS, bSS
15	Haegyun	Jeong	South Korea	Cospec Innolab
16	Eddy	Tan	Singapore	Novacitynets, bSS
17	Bemourd	Ferriet	France	Laurorsti
18	Ben	Lim	Singapore	NUS
19	Farzad	Rahimian	UK	Central Lancashire Univ.
20	Pieter	Paywles	Belgium	Ghant Univ.
21	Jakos	Beele	NL	Eindhoven Univ.
22	Tomi	Henttinem	Finland	bS Finland
23	Dongyong	Um	South Korea	bS Korea
24	Hyoyoung	Han	South Korea	bS Korea

# Discussion subjects in Singapore 2015

## ❖ Session 1

### ● Automated Code Checking Presentations

- ✓ Automated Building Code Checking Related Activities in Korea (Inhan Kim, Korea)
- ✓ To notice benefits of BIM in Finland Solibri (Heikki Kulusjatvim, Finland)
- ✓ Status Update on BIM code checking in Japan (Masaki Muto, Japan)
- ✓ CORENET ePlanCheck BCA Singapore (Eddy Tan, Singapore)
- ✓ Reducing the Cost of Code Compliance Checking (Nick Nasbet, UK)
- ✓ Meta Database & Logic System for Translating Korea Building Code into Computer-executable Form (Jinkook Lee, Korea)



# Discussion subjects in Singapore 2015

## ❖ Session 2

### ● E-Submission Issues Presentations

- ✓ CORENET2 ePlanCheck BCA Singapore (Eddy Tan, Singapore)
- ✓ Kcim Submission – BIM based Building Permit System (Karam Kim, Korea)
- ✓ D-Generator – KBIM Libraries and 2D Drawing Generation System  
from IFC (Gutaek Kim, Cospec Innolab)
- ✓ About BIM user's agreement workgroup in France (Alan Maury, France)
- ✓ Japan e-submission Background (Masaki Muto, Japan)
- ✓ Finland – Overview of Lupapiste (Heikki Kulusjarvi, Finland)
- ✓ Status Norwegian e-submission (Oivind Rooth, Norway)
- ✓ Status Finland (Tomi Henttinen, Finland)

# Discussion subjects in Singapore 2015

## ❖ Session 3

### ● Discussion and Other Issues

- ✓ **Need to expedite BIM based e-Submission Process for each countries.**
  - > **Nick Nasbet(UK) volunteered to draft the MOU letter with help of Heikki Kulusjarvi (Finland), Oivind Rooth (Norway) will provide previous MOU letter between Norway and Singapore for reference**
- ✓ **Need to have common e-submission guidelines as regulation and e-submission process have lots of common parts.**
  - > **Maski Muto(Japan) volunteered to lead the interest group. Jin-Kook Lee, Nick Nasbet, Heikki Kulusjarvi, Ka-Ram Kim will be the group members**
- ✓ **Need to set up a project to seek a common representation (including logics and methods) of computable regulations.**
  - > **Heikki Kulusjarvi (Finland), Jin-Kook Lee (Korea), Farzad Pour-Rahimian(UK) are the initial contributors**
- ✓ **Need to have IFC(ISO16739) as an archiving standard by each countries.**
  - > **Will discuss in the future telecom meeting**

# Regulatory Room Resolutions



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Regulatory Room

# Regulatory Room Resolutions

- ✓ Ask RegCom to draft MOU letter for expediting BIM based e-Submission Process
- ✓ Ask RegCom to establish an interest group for e-submission common guidelines leading by Masaki Muto
- ✓ Ask RegCom to set up a project to seek a common representation(including logics and methods) of computable regulations
- ✓ Ask RegCom to draft MOU letter for using IFC(ISO16739) as an archiving standard by each countries
- ✓ Continue to co-chair by Inhan Kim and Øivind Rooth
- ✓ Thanks to buildingSMART Singapore and BCA for their hospitality

**Thank you  
for your attention !**