

## Workshops at CLIMA 2019

### Workshop no. 16

**The Business and Environmental Value of BIM,**

Wednesday 29 May, 10:30 - 13:00,

Meeting Room XXXXXX

### Workshop organizer(s)

**DOSETIMPEX**



**Additional information at:**  
[www.dosetimpex.ro](http://www.dosetimpex.ro)

[Acknowledgments, if any]

**ALLBIM NET**



[Acknowledgments, if any]

### Presenters

#### Chair(s)

Ioan Silviu DOBOSI

DOSETIMPEX

Lucian Dan MORARU

ALLBIM NET

#### Speakers

Lucian Dan MORARU

ALLBIM NET

Alin EPURE

ALLBIM NET

Wim MAASSEN

ROYAL HASKONING DHV

Frank MILLS

FANK MILLS CONSULTING

Ioan Silviu DOBOSI

DOSETIMPEX

### Scope

[provide background information about the workshop, i.e. with topic is relevant, and a description of the workshop storyline and contents - 1500-2500 characters spaces included]

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**Building Information Modelling** developed from a modern approach of designing to a “digital revolution” in the AEC sector, proving its undisputable benefits in every step of a project’s lifecycle. The scope of this workshop is to bring forward to the audience **the Business and Environmental Value of BIM**, using examples from completed projects.

The workshop showcases a broad range of costs lowering of basic project designing/building activities, while decreasing the waste generated by it, as exemplified in the following main points:

- **Reduced Design Rework/Staff Costs**  
Whenever design changes are necessary, only the central model is modified, which is then automatically reflected in all affected drawings. Therefore, no time is lost to update individual drawings, as in regular CAD.  
This approach translates in time saving and less work hours paid.
- **Reduced Construction/Rework Costs**  
Construction problems, overlaps, collisions and conflicts can be identified right from the design phase, reducing significantly construction reworks due to design flaws. The building goes up right from the start, without unpleasant surprises on the site work, and eliminating the subsequent cost of those modifications.
- **Sustainable Facility Management and Building Operation**  
The intelligent 3D models provide to owners and facility managers data-rich models, which are easily analyzed and optimize resources. These models are invaluable tools for performing spatial validation for tenant chargebacks, or keeping scheduled facility operations.

The larger and more complex the project, the greater the opportunity for savings, because of the greater probability of error and change elimination, meanwhile putting a brick in building a sustainable and eco-friendly AEC sector. Every aspect presented will be backed with examples.

To help hospitals take the right steps in energy transition, we must work together. We have to do proper research and development and, of course, share our knowledge and experiences. An example is the initiative of Royal Haskoning DHV to develop the ASHRAE-REHVA guidebook, Toward Zero Energy Hospital Buildings. To develop the Guidebook, Royal Haskoning DHV works together with the Eindhoven University of Technology and other co-authors of Netherlands Buildings Services Association -TVVL, European Federation REHVA (EU) and ASHRAE. We want to tell you more about the research and the guidebook including case studies, we desire for you to be involved, in this merged workshop about BIM.

## Audience

*[describe who is the target audience of the workshop and why]*

Building Owners, Contractors, AEC Specialists (Architecture, Engineering, HVAC) will find the benefits of using BIM in daily work

## Expected results

*[describe what the organizers want to convey or obtain with this session]*

We expect to convince the audience to adopt BIM, and for people that already use it to increase the BIM level to achieve a higher precision and productivity.

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**Programme**

25 min	<i>Introduction in BIM. Definitions, showcases, best practices.</i> Dan MORARU, ALLBIM NET
25 min	Common Data Environment - PDF based collaboration. Case studies Alin EPURE, ALLBIM NET Dubai-UAE
10 min	Open discussion: BIM creates value!? 'Towards net-zero hospitals in the Netherlands' - ASHRAE-REHVA Guidebook: Towards Energy Neutral Hospital Buildings! Wim MAASSEN, Royal HaskoningDHV
25 min	'Towards net-zero hospitals in the Netherlands' - ASHRAE-REHVA Guidebook: Towards Energy Neutral Hospital Buildings! Wim MAASSEN, Royal HaskoningDHV
25 min	'Towards net-zero hospitals in the UK' - ASHRAE-REHVA Guidebook: Towards Energy Neutral Hospital Buildings! Frank MILLS, Frank Mills Consulting
25 min	Building information modelling of a hospital building Ioan Silviu DOBOSI, DOSETIMPEX
15 min	Open discussion: BIM accelerates the realization of NZE Hospital Buildings!?