



**BIMLUX2017**  
14/11/2017



**POLITECNICO**  
MILANO 1863

# BIM in EUROPE:

## How our Neighbours deal with the Implementation of BIM Principles


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 @m\_bolpagni

# SHORT BIO





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# EUROPEAN STATE OF ART



*1. EU Directive on Public Procurement*

*2. European Committee for Standardisation CEN/TC 442*

*3. EU BIM Task Group*

- European Builders Confederation (EBC)*
- European Construction Industry Federation (FIEC)*
- Architects' Council of Europe (ACE)*
- European Federation of Engineering Consulting Association (EFCA)*

# EU DIRECTIVE ON PUBLIC PROCUREMENT

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*‘For public works contracts and design contests, Member States may require the use of specific **electronic tools**, such as of building information electronic modelling **tools** or similar’*

European Parliament, 26 February 2014, art. 22 (4)



prEN ISO 19650-1  
prEN ISO 19650-2



CEN/TC 442

European Committee for Standardisation



Italian Standardisation Institute





Øivind Rooth

## CEN/TC 442 Building Information Modelling

Working  
Group 1

Strategy and  
Planning

**Working  
Group 2**

**Exchange  
Information**

Working  
Group 3

Information Delivery  
Specification

Working  
Group 4

Support Data  
Dictionaries



Richard Waterhouse



Thomas Liebich



Peter Kompolschek



Roland Dominici



Thomas Liebich  
TC 442 WG2  
Convenor

Marzia Bolpagni  
TC 442WG2 | TG1  
Leader



Experts from **11 countries**  
are working at CEN on 'LOD' Standardisation

Italy 

Sweden 

Switzerland 

Spain 

Luxembourg 

- *Moreno Viola*  
- *Daniel Zignale*

Denmark 

Norway 

UK 

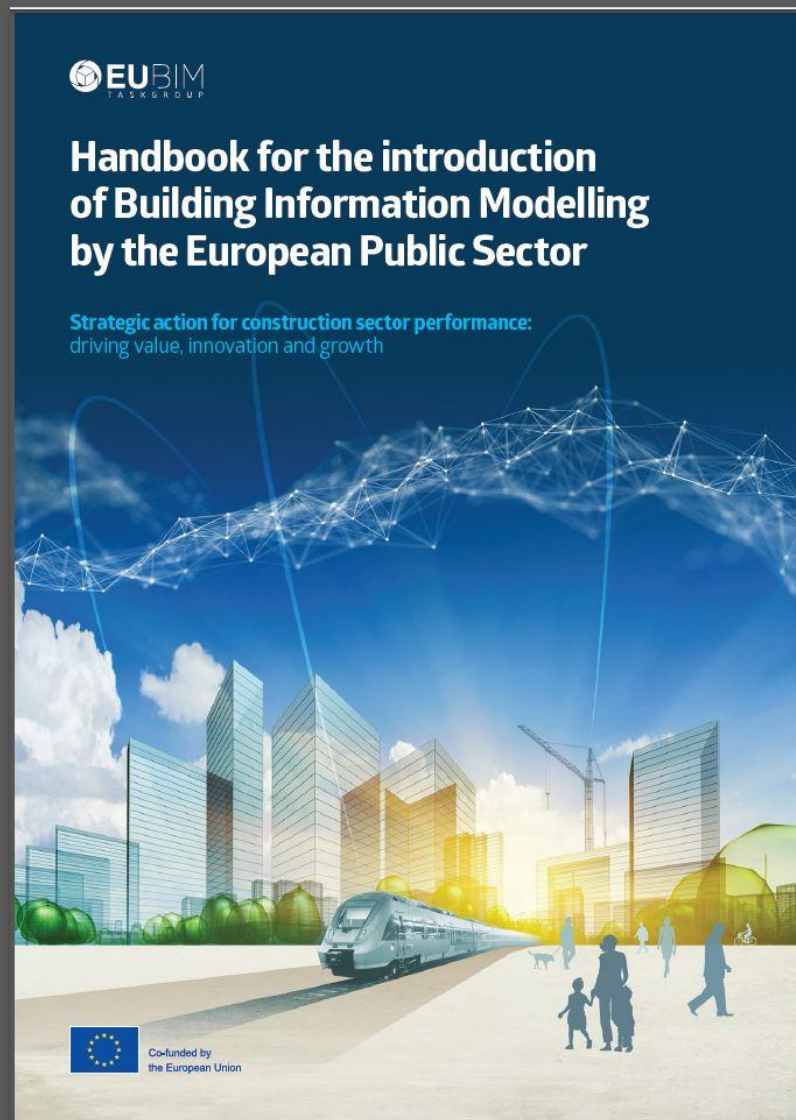
Belgium 

France 

Germany 

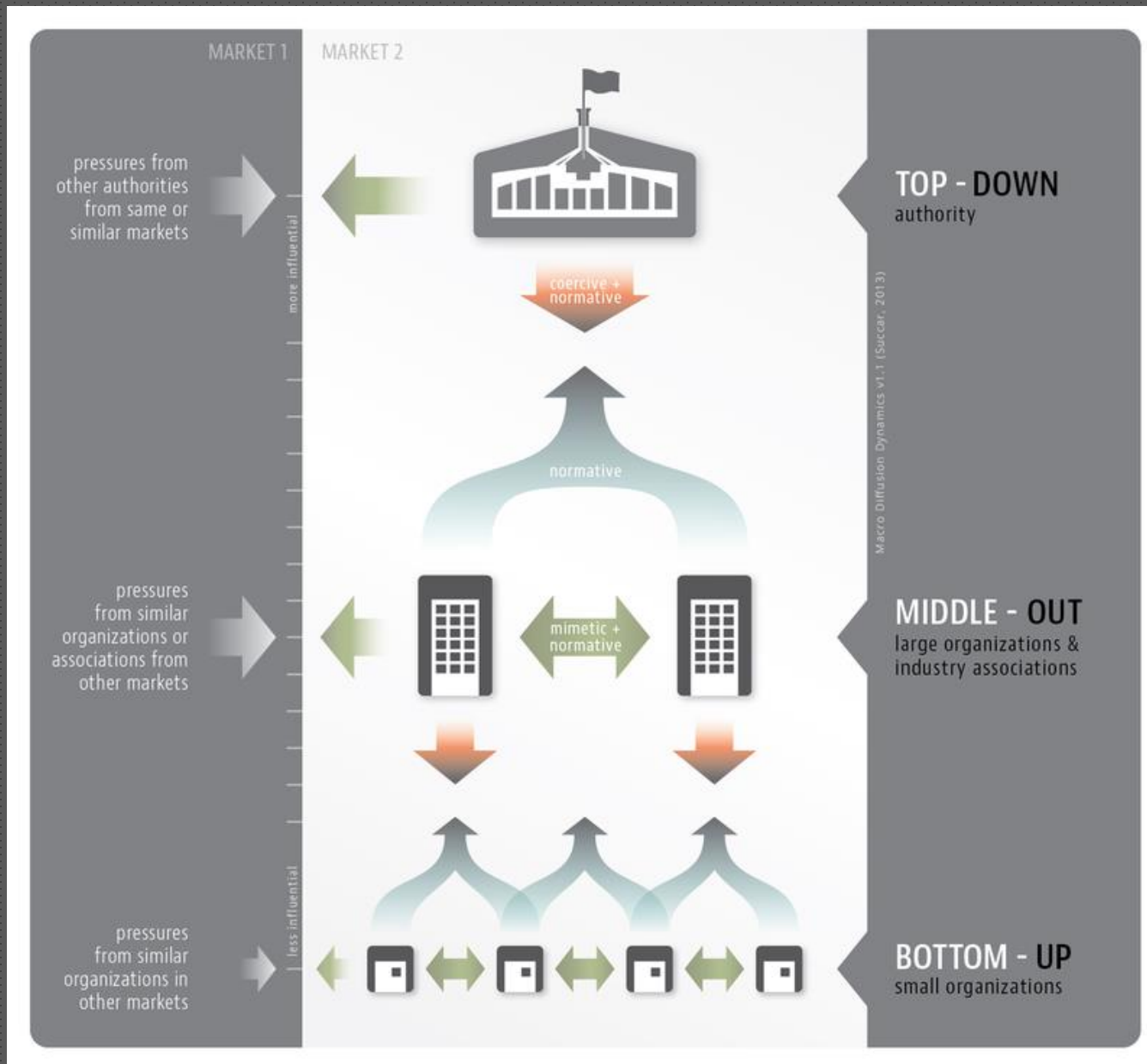


1. Austria
2. Belgium
3. Czech Republic
4. Denmark
5. Estonia
6. Finland
7. France
8. Germany
9. Iceland
10. Ireland
11. Italy
12. Lithuania
13. Luxembourg
14. Netherlands
15. Norway
16. Poland
17. Portugal
18. Slovakia
19. Slovenia
20. Spain
21. Sweden
22. UK

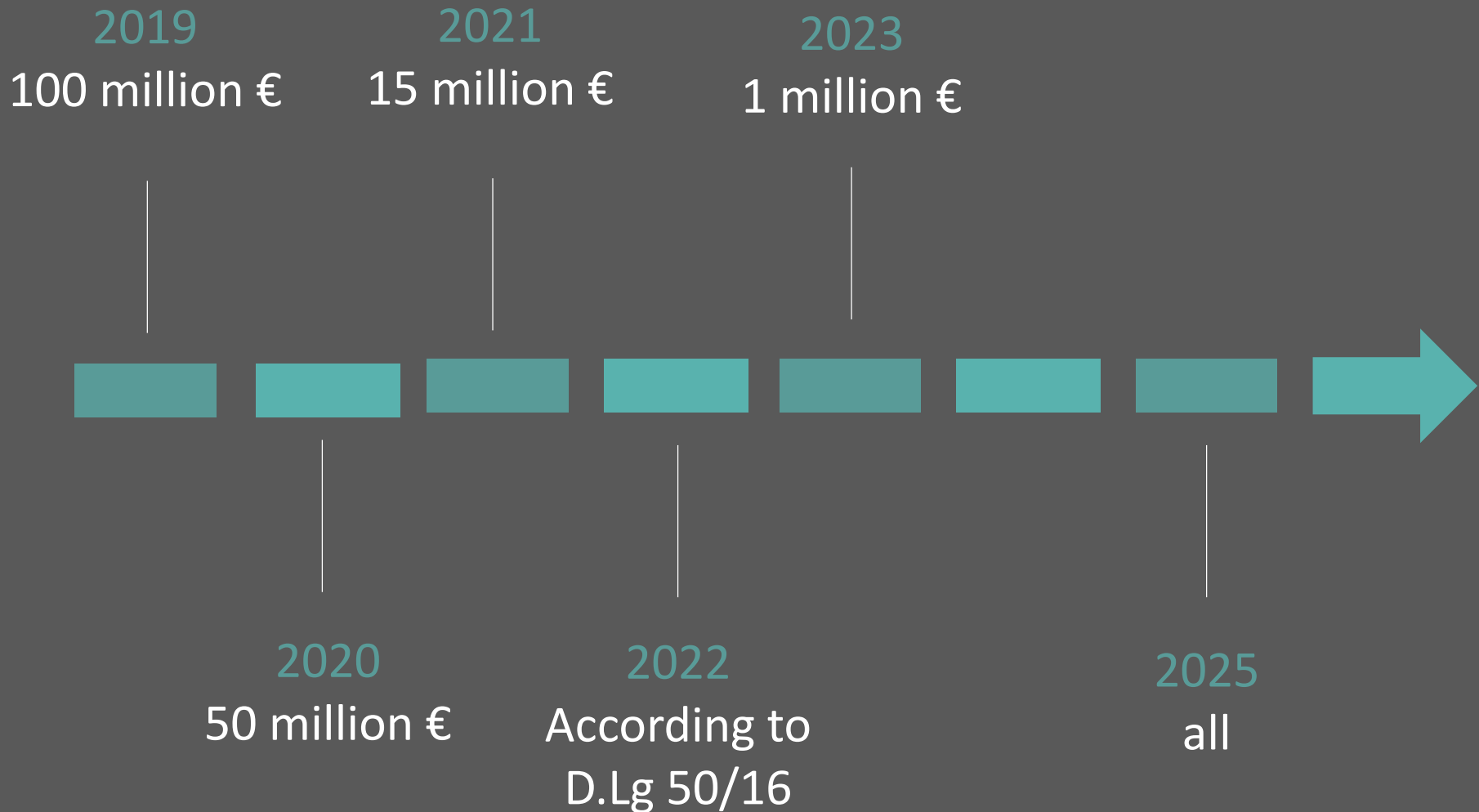


*“BIM is a strategic enabler for improving decision making for both **buildings** and public **infrastructure** assets across the whole **lifecycle**.*

*It applies to new build projects; and crucially, BIM supports the **renovation**, **refurbishment** and **maintenance** of the built environment – the largest share of the sector”*



# *Proposed ITALIAN BIM Mandate ROADMAP*



# BIM Mandate in Europe



2007



2011



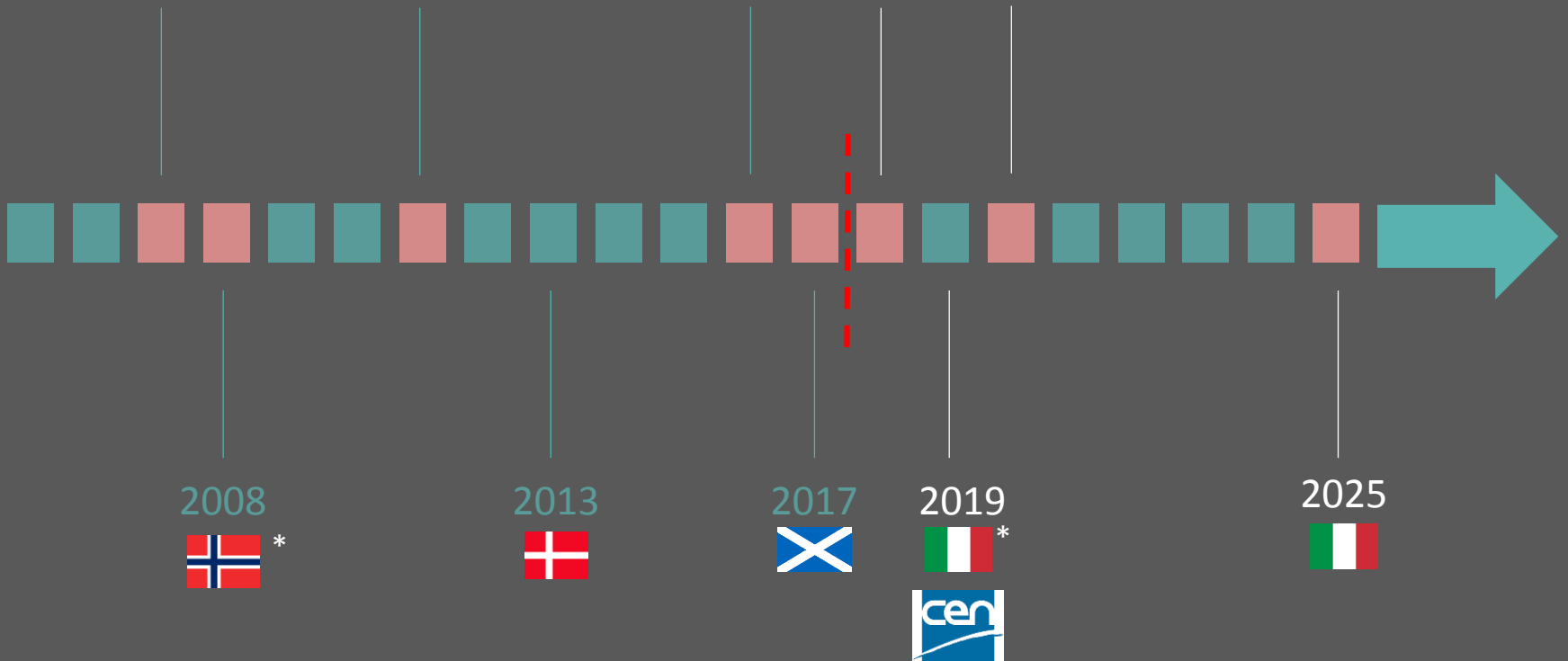
2016



2018



2020





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# Thank you

Get in touch!

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