

# A GLIMPSE INTO THE PROCESSES RELATED TO THE DIGITALISATION OF THE CONSTRUCTION SECTOR IN LITHUANIA

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*High Level Tripartite Strategic Forum, 6<sup>th</sup> March 2017*

# The response to digitalization of construction sector in Lithuania so far

- **Year 2014**

*Primary initiative by national construction industry associations, software vendors – public body “Digital Construction” is established.*

- **Beginning of 2015**

*Ministry of Environment of the Republic of Lithuania, national construction industry, academic community and other parties start the discussions about the digital construction and prepare for the presentation of this issue to the Government of the Republic of Lithuania.*

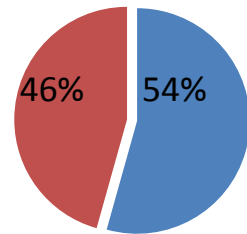
- **28<sup>th</sup> September 2015**

*The Government of the Republic of Lithuania officially acknowledges benefits and challenges of the digitalization of the Lithuanian construction sector, as well as, a need for coordinated actions in this area.*

The average annual investments (period 2013- 2014) in construction of new construction works, retrofitting and repair of the existing ones

– € 2,758 bn

€ 1.259 bn



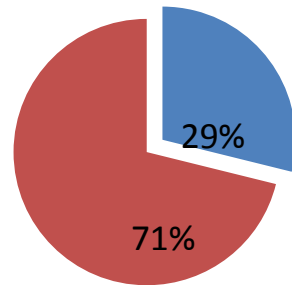
€ 1.499 bn

■ Public investment

■ Private investment

Construction of new buildings, retrofitting and repair of existing ones – € 1,372bn

€ 0,976 bn



€ 0.396 bn

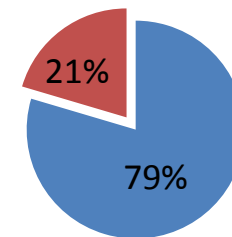
■ Public investment

■ Private investment

Construction of new civil engineering works, retrofitting and repair of existing ones –

€1,386bn

€ 0.283 bn



€ 1,103 bn

■ Public investment

■ Private investment

# The response to digitalization of construction at the state level in Lithuania so far



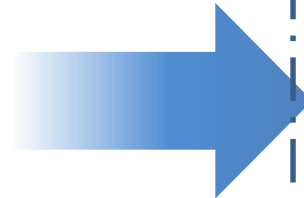
What exactly needs to be done?

By which party (public/private sector)?

Time horizon?



Priorities?



Working Group set up by the Order of the Minister of Environment



LIETUVOS RESPUBLIKOS ŽEMĖS ŪKIO MINISTERIJA



LIETUVOS AUTOMOBILIŲ KELIŲ DIREKCIJA

LIETUVOS GELEŽINKELIAI



Kultūros paveldo departamentas



TURTO BANKAS



REGISTRŲ CENTRAS



LIETUVOS RESPUBLIKOS FINANSŲ MINISTERIJA

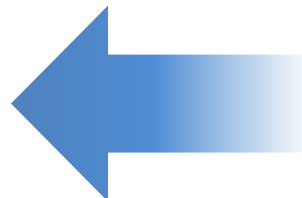


INFORMACINĖS VISOJOMENĖS PLETROS KOMITETAS PRIE SUSISIEKIMO MINISTERIJS



National construction industry associations, academic community, software vendors

Proposals



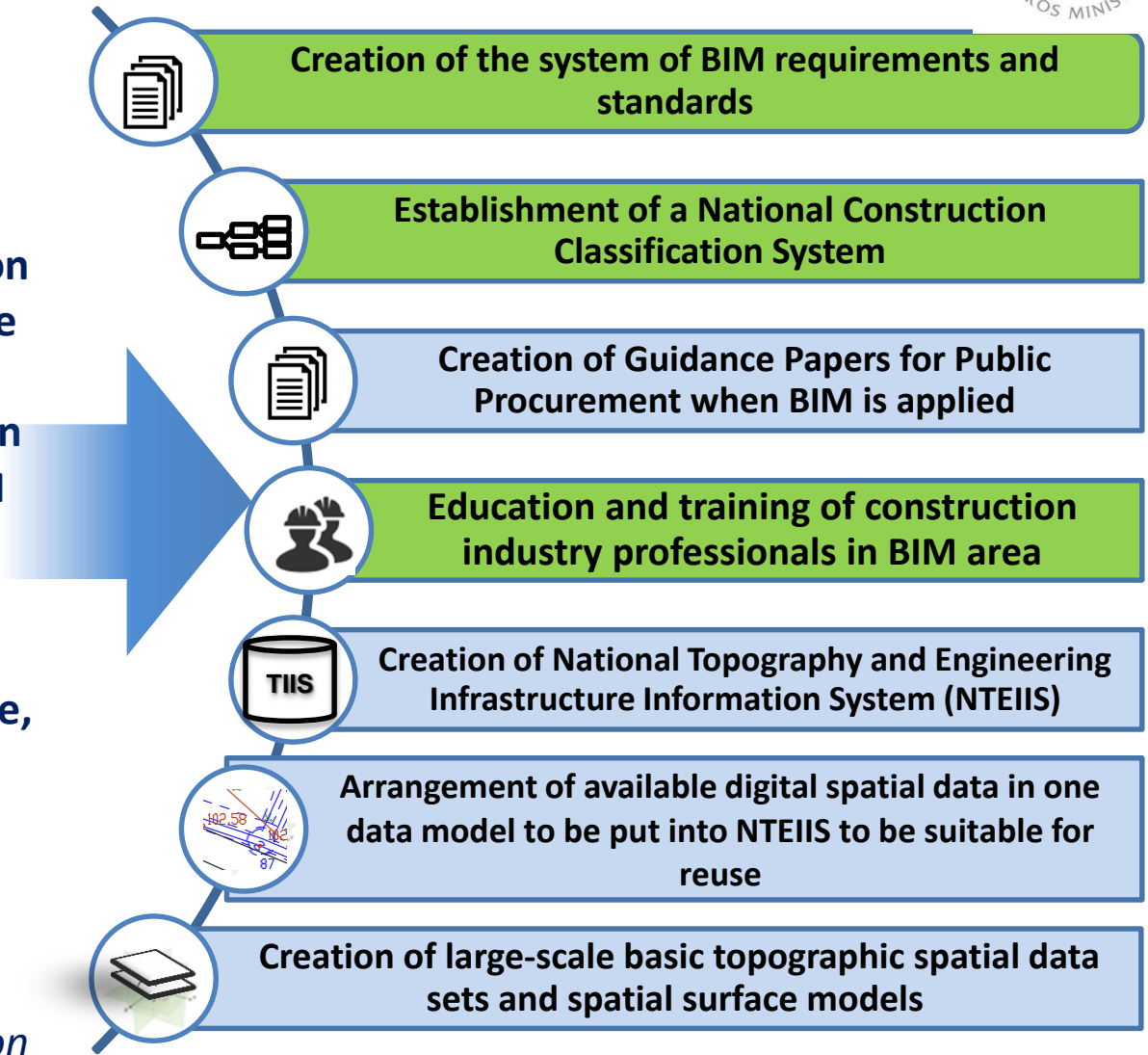
# Proposals



(in 5 years' time)  
 Create conditions for application of unified rules of collaborative working using Building Information Modelling (BIM), in line with the principles of BIM level 2 of maturity \*, and  
 at a national level ensure centralized delivery, acceptance, receipt, inspection and management of spatial topography and engineering infrastructure data

*\*UK BIM maturity levels definition*

## What exactly needs to be done and by which party?



Public sector      Public/private sector

# Proposals prepared in the light of general principles



1. Mandatory application of national BIM requirements for public construction projects of certain value (to be determined).
2. Ensure that the information and data created at the construction project level is created and managed so that a defined part of it can be easily transferred to the state, municipal information systems and registers and reused for other public or private purposes.
3. Take small progressive steps.

# The response to digitalization of construction at the state level in Lithuania so far

- **30<sup>th</sup> September 2016**

*The Government of the Republic of Lithuania officially approves the measures proposed and gives a task to the Ministry of Environment of the Republic of Lithuania to prepare a draft decision on responsibilities of state institutions in the area of implementation of these measures and organizational structure for coordination of these processes.*

*A term for implementation of the whole package of measures – 5 years.*

- **6<sup>th</sup> March 2017**

*The preparation of the draft decision is being finalized.*

**Thank you very much for your  
attention.**