



Adapting buildings to climate change

The role of standardization

15 December 2015 at NEN, Delft, The Netherlands

Background info Climate Change Adaptation

The climate is changing, despite mitigation efforts. The EU is already facing unavoidable impacts. Effective adaptation actions can reduce overall damage costs, save lives and natural and human assets. An EU-wide framework will support adaptation measures that have to be designed and applied locally. European Standardization Organisations are asked to identify standards relevant for adaptation to climate change.

These focus on three priority sectors:

- Buildings/construction infrastructure,
- Transport infrastructure, and
- Energy infrastructure.

Workshops – informative content

The workshop is addressed to the standards makers and stakeholders in the sector Buildings/construction.

The workshop provides participants an update on the progress and goals, as well insights from the standardization experts and from cities carrying out the adaptation measures in practice.

The EC wants to ensure that the framework is suitable for the needs of the stakeholders. This workshop helps get your voice heard.

The presentations delivered in the workshop will:

- inform about the effects of climate change and experiences with adaptation in buildings/construction,
- provide update on the standardization plans and needs of some key areas of Europe's climate change adaptation related standardization,
- involve participants into the standardization process; you will be able to express your views and find new approaches in the workshops to instruct the standardization programme for improving resiliency,
- allow you to share your experiences in regard to climate change adaptation and express your needs to the standardization organisations, and
- improve awareness and share success-stories that help meet these challenges in practice.

Workshops – your feedback

The results from the workshops are an essential input for the Climate Change Adaptation standardization work programme. The practical session of the workshop consists of organized teamwork, which aims to provide new standardization needs and support their prioritization, and provide feedback on the currently planned standardization initiatives.

Among the results to which this workshop contributes are:

- additional standardization needs,
- proposal for first selection of standardization needs and initiatives including their rationale, and
- prioritization criteria for standardization initiatives.

Standardization: NEN sets the standard.



Particular challenges for buildings and construction

The changing climate will cause several major impacts on buildings and construction. The stakeholders have so far highlighted the following amongst the most critical: impacts on the thermal comfort and indoor climate of occupants in buildings, storm and flood water management, security and availability of utility services in flood conditions, and sea defences. Availability of data for climate scenarios is also a significant challenge.

Date and location

The workshop on Buildings will be hosted by NEN, the Dutch standardization institute, which is located in Delft, The Netherlands. The workshop will be held on 15 December 2015, from 09:00 until 16:00h.

Registration

Register at: http://www.nen.nl/Evenementen/Workshop-on-Buildings_15dec2015.htm

Participation is free of charge, but registration is required. Please register by Monday 30th of November, 2015.

More information

For questions about the workshop please contact:
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For more information about climate change adaptation:

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Workshop programme

Introduction to climate change adaptation and standardization request

- EU strategy on Adaptation to Climate Change - Beatriz Yordi (EC)
- Standardization request - Andrea Nam (CEN/CENELEC)
- Workplan of the project – Caroline van Hoek / Ab de Buck (NEN)

Standardization examples and needs

- Water safety standards in the Netherlands –lay-out of infrastructures adapted to impacts of climate change for the building sector - Ministry of Infrastructure and Environment
- CEN guide 4 on climate change adaptation - Kay Johnstone (Environment Agency, UK)
- Climate change adaptation in sustainable buildings - Ari Ilomäki (chairman CEN/TC 350 Sustainability of Construction Works)
- Energy performance and climate change adaptation - Jaap Hogeling (chairman CEN/TC 371, Energy Performance of Buildings)

Practical solutions and challenges

- Actionable knowledge for cities to cope with changing climate – Hasse Gossen (Climate Adaptation services)
- Coordinating water management challenges in historical cities – Fred Goedbloed (City of Leiden) and Anne Kuiten (Hoogheemraadschap Rijnland)

Solutions and needs for adaptation - workshop

- Summary of identified needs and workshop instructions
- Panu Pasanen (Bionova)
- Workshop: improving climate change resiliency with standards
- Summary of the workshop results
- Closing words and next steps

<http://www.cencenelec.eu/standards/Sectors/ClimateChange/Pages/default.aspx>

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