



Your service center for information and technical support on the new set of EPB standards

Roll out of the set of EPB standards

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member of ISO/TC163 & 205



The EPB Center is founded by REHVA and ISSO

REHVA: Federation of European HVAC Associations

ISSO: the Knowledge Centre for the building and building services sector in The Netherlands



This project is facilitated by the EU-
Commission Service Contract
ENER/C3/2017-437/SI2.785185
Start 21 September 2018 for 3 years

3rd meeting of the Joint Task
Force on Energy Efficiency
Standards in Buildings- Workshop
on 3 October 2018 in Geneva



Background history

- The European Commission gave a mandate to CEN (M/480, 2011-2016) to elaborate and adopt a set of standards for a common methodology calculating the integrated Energy Performance of Buildings (EPB), in accordance with the EPBD. This set of EPB standards is meant to provide a toolbox to aid Member States in the implementation of the Directive.
- Moreover, this work aimed at developing CEN and ISO standards that are usable and give a higher transparency to national choices in defining energy performance calculation methodologies.
- Leading to a level playing field for EP certificates for buildings.



Brief overview of project

EU-Commission Service Contract ENER/C3/2017-437/SI2.785185

- Purpose: to support the uptake of the energy performance of buildings standards
- Task 1: Support to Member States and National Standardization Bodies
- Task 2: Setting up a database of FAQs, calculation spreadsheets and case studies
- Task 3: Creating a network of practitioners



Brief overview of project

Task 1

- Support to Member States (regulating authorities) and National Standardization Bodies :
 - to complete the national annexes (NA's) of the overarching EPB standards.
 - Wide dissemination of these NA's and their use



Brief overview of project

Task 2

- Setting up a database of FAQs on filling in these NA's, practical application of the standards, supporting the correct understanding , calculation spreadsheets and case studies
- Case studies to support the use of the standards also for stakeholders from industry, financial institutions (cost-optimum), research, international networks on EPB, etc...

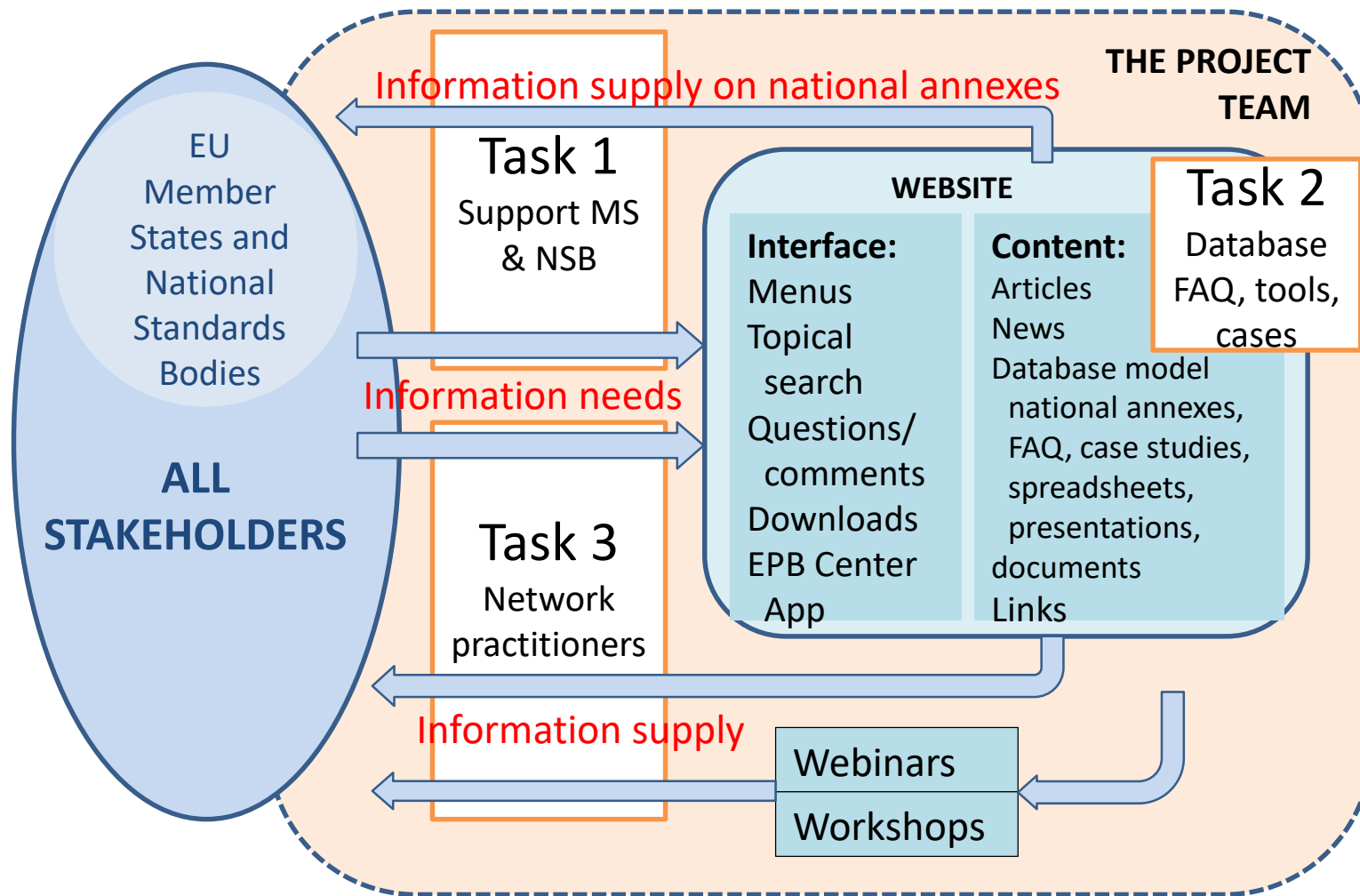


Brief overview of project

Task 3

- Creating a large network of current and future practitioners and support the uptake of standards by organizing regular hands-on workshops, training sessions etc...
 - Newsletters
 - News on EU portals
 - Articles in magazines (e.g. REHVA Journal)
 - Social media posts
 - LinkedIn group about EPB standards implementation, gathering all the stakeholders of sister initiatives (e.g. EPB Center, CEN-CE)
 - Presence and leafleting at relevant events

Relation between tasks





Involved organisations and experts

- **Project leader:** Jaap Hogeling (ISSO/ EPB CENTER)
- **REHVA:** Anita Derjanecz: Workshops, webinars, communication...
- **NEN:** Annet van der Horn (secr. of CEN/TC371)
- **Experts:**
 - Dick van Dijk, Netherlands (CEN/TC89+371 & ISO/TC 163+205)
 - Dirk Van Orshoven, Belgium (CEN/TC371 & ISO/TC163)
 - Laurent Socal , Italy (CEN/TC228 + 371)
 - Gerhard Zweifel, Switzerland (CEN/TC156 + 371 & ISO/TC205)
 - Johann Zirngibl, France (CEN/TC228+ 371 & ISO/TC205)
 - Jean Daniel Napar, France (CEN/TC247+371 & ISO/TC205)



Communication platform: **WWW.EPB.CENTER**

https://epb.center/ EPB Center B.V. [NL] Home | EPB center

verken Beeld Favorieten Extra Help

★ EPB STANDARDS NATIONAL IMPLEMENTATION PARTNERS SUPPORT ABOUT



EPB CENTER

Your service center for information and technical support on the new set of EPB standards:
the internationally harmonized and coherent set of energy performance of buildings (EPB) assessment methods



RECENT NEWS AND PUBLICATIONS

/ 06 Aug 17
**ISO 52000 leads the way on
clean energy building solutions**

With ISO 52000-1, *Energy
performance of buildings –
Overarching EPB as*

/ 30 May 17
**Boosting energy efficiency of
buildings through ISO's holistic
approach**

Helping to decarbonize the building
sector is the goal of the new holistic
approach being developed by the
ISO joint working group for the
energy p

/ 15 May 18
**EPBD 2nd revision approved
and published**

(Modified June 19, 2018)

/ 20 Apr 18
Green light for the new EPBD!

See also update [May 1](#)





Task Collection & analysis national annexes

- This task aims to reach out to Member States and National Standardization Bodies and support them in using the Energy Performance of Buildings standards.
 - main activity: to monitor and support the preparation and (intended) use of National Annexes or National datasheets to the EPB standards



actions on NA's and ND's

- Enquiry on National Annexes(NA)/Datasheets (ND)
- Collection of current (draft) NA's/ND's (examples, tools)
- Prepare methodology to analyse NA's/ND's



Frequently Asked Questions

- Preparation of FAQ's and Tips & Tricks to support the implementation process of the EPB standards and the correct understanding of the content of the standards



FAQ actions

- Set up a public frequently asked questions database and Tips & Tricks on
 - Filling in annexes
 - Practical application of the standards
 - Etc.
- Start with developing the classification of topics, questions, answers and contacts
- Prepare first version of FAQ based on already known Q&As
- Contact the variety of stakeholders
- Monitor the quantity and quality of Q&As to see if measures are needed



Task Excel sheets

- **description:**
 - Dissemination of the spreadsheets developed within EC mandate M/480
 - made them up-to-date
 - development of new spreadsheets and/or other tools that help making standards operational, in particular the overarching standards
 - Create more uniformity on input and output sheets of the EPB standards



Selected spreadsheets

- EN ISO 52000-1 (overarching EPB)
- EN ISO 52010-1 (climatic data)
- EN ISO 52016-1 (energy needs heating / cooling)
- Ventilation standards (EN 16798-5-1, -5-2, -7)
- Heat pump and chiller calculations (EN 15316-4-2, EN 16798-13)

Case studies

- Preparation of case studies of the application of the standards in **real** buildings, both residential and non-residential, across the 28 Member States and the various climatic zones of Europe. Mostly as **partial case studies**, with additionally a few case studies covering **simplified full EP calculations**
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Communication: using REHVA dissemination channels

Assets for the creation of a network of practitioners

- EVENTS
- PUBLICATIONS
- COMMUNICATION CHANNELS
- TOOLS
- TRAININGS



REHVA network and stakeholders' engagement

INVOLVEMENT
OF
NSBs



REHVA MAs
have personal
contacts with/
are directly
involved in
NSBs

NSBs that
committed
through REHVA
to facilitate EPB
standards
implementation

REHVA network and stakeholders' engagement

INVOLVEMENT
OF
LOCAL
AUTHORITIES IN
CHARGE OF EPB
REGULATIONS




Local
authorities that
committed
through REHVA
to facilitate EPB
standards
implementation



Communication-dissemination

EPB STANDARDS ACADEMY

- Models and examples of National Annexes/National Datasheets
- Webinars and online courses
- Information material and factsheets about EPB standards
- EPB case study database

Activities
targeted to
NSBs

Activities targeted to
professionals



Communication

COMMUNICATION ACTIVITIES

- Newsletters
- News on EU portals
- Articles in magazines (e.g. REHVA Journal)
- Social media posts
 - LinkedIn group about EPB standards implementation, gathering all the stakeholders of sister initiatives (e.g. EPB Center,)
- Presence and leafleting at relevant events



Thank you!

More information on
the set of EPB standards:

www.epb.center



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