



**Technical Day: Activities of IEA
TCP on Energy in Buildings and
Communities (EBC TCP)'**
Brussels – June 11 2019



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Annual Report 2018



IEA EBC 2018
annual report
available!

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Visit the new IEA EBC website!



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EBC
 Energy in Buildings and Communities Programme

www.iea-ebc.org

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LATEST NEWS
40th AIVC Annual Conference
 The 40th AIVC Annual Conference will be held on 15th - 16th October 2019, in Ghent, Belgium.
16th IBPSA International Conference
 The 16th IBPSA International Conference will be taking place in Rome, Italy, between 2nd - 4th September 2019.
EBC Technical Day June 2019
 The EBC Technical Day June 2019 will be held in Brussels, Belgium on 11th June 2019.

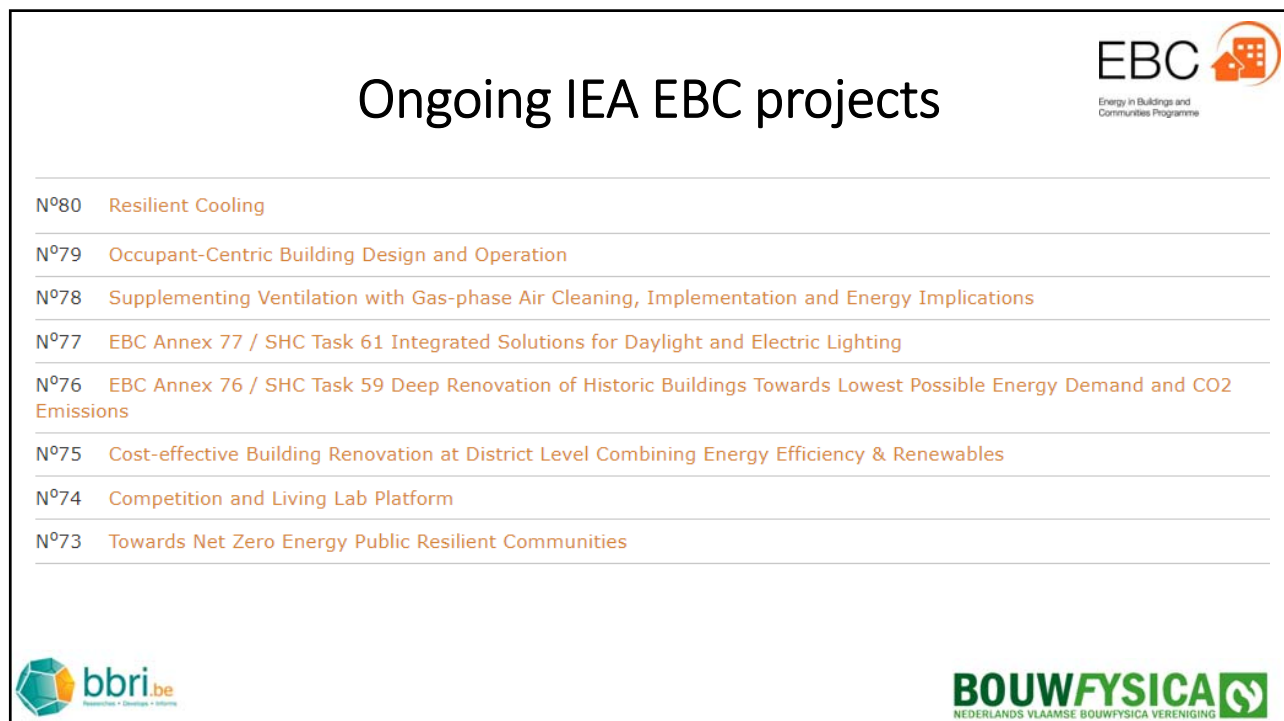
ANNUAL REPORT
 The *Annual Report* provides an overview of progress made by the EBC Programme, including summaries of new, ongoing and recently completed projects.
 PDF (10.1 MB)

High Priority Research Themes
 1. Integrated planning and building design
 2. Building energy systems
 3. Building envelope
 4. Community scale methods
 5. Real building energy use




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Ongoing IEA EBC projects



EBC
 Energy in Buildings and Communities Programme

N°80 **Resilient Cooling**

N°79 **Occupant-Centric Building Design and Operation**

N°78 **Supplementing Ventilation with Gas-phase Air Cleaning, Implementation and Energy Implications**



N°77 **EBC Annex 77 / SHC Task 61 Integrated Solutions for Daylight and Electric Lighting**

N°76 **EBC Annex 76 / SHC Task 59 Deep Renovation of Historic Buildings Towards Lowest Possible Energy Demand and CO2 Emissions**

N°75 **Cost-effective Building Renovation at District Level Combining Energy Efficiency & Renewables**

N°74 **Competition and Living Lab Platform**

N°73 **Towards Net Zero Energy Public Resilient Communities**

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Ongoing IEA EBC projects



- N°72 [Assessing Life Cycle Related Environmental Impacts Caused by Buildings](#)
- N°71 [Building Energy Performance Assessment Based on In-situ Measurements](#)
- N°70 [Building Energy Epidemiology: Analysis of Real Building Energy Use at Scale](#)
- N°69 [Strategy and Practice of Adaptive Thermal Comfort in Low Energy Buildings](#)
- N°68 [Design and Operational Strategies for High IAQ in Low Energy Buildings](#)
- N°67 [Energy Flexible Buildings](#)
- N°65 [Long Term Performance of Super-Insulating Materials in Building Components and Systems](#)
- N°05 [Air Infiltration and Ventilation Centre](#)



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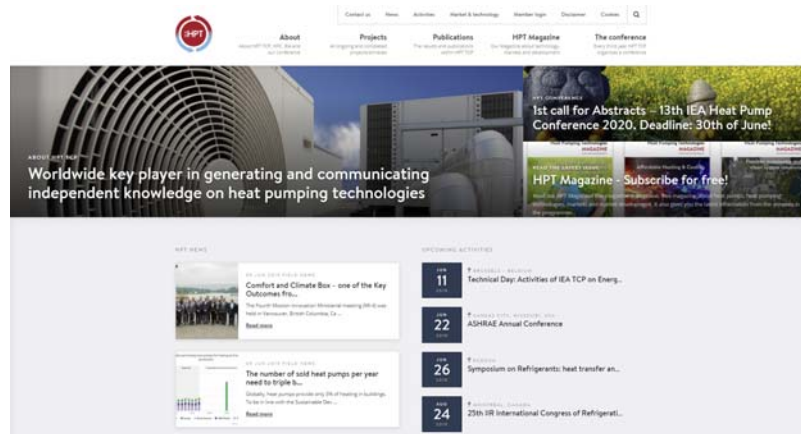
Website IEA Solar Heating and Cooling www.iea-shc.org

The screenshot shows the homepage of the IEA Solar Heating and Cooling Technology Collaboration Programme (SHC TCP). The page features a navigation menu with links for HOME, FEEDBACK, CONTACT, MEMBER LOGIN, and a SEARCH bar. The main content area highlights 'TASK 60: Application of PVT Collectors' with a brief description of the task's focus on assessing and developing PVT collector systems. A sidebar on the left provides links to various sections: About IEA SHC, SHC Members, Solar Heating & Cooling, Research Projects (Tasks), Working Groups, Solar Academy, Events, News, Publications & Tools, Videos, Resources, and Member Area. Below the main content, there is a section for 'Collaborating Organizations' and a 'Publication Highlight' box titled 'Solar Heat Worldwide' which reports that the cumulated solar thermal capacity in operation by the end of 2017 was 472 GWh (675 million square meters), a significant increase from 2000.

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Website Heatpump Technologies

www.heatpumpingtechnologies.org



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9:30 Session 1

(chairs: T. Sawachi and P. Wouters)



- Overview of activities by IEA TCP 'Energy in Buildings and Communities'
 - Takao Sawachi, Chair IEA EBC
- Overview of activities by IEA TCP 'Solar Heating and Cooling' –
 - Sergio Altomonte, UCL and Belgian representative in IEA SHC
- Overview of activities by IEA TCP 'Heat Pumping Technologies'
 - Patrick Hendrick, ULB and Belgian representative in IEA HPT
- Challenges for the buildings sector - EU energy policy and post-2020 perspectives
 - Dimitrios Athanasiou – EU DG ENER



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11:30 - Session 2

(chairs: A. van der Aa – P. Ruyssevelt)



- Belgian Energy and Climate Plan
 - Karen Geens, FPS Economy - EU & International Policy coordinator
- Programme for neighbourhoods free of natural gas in the Netherlands
 - Joram Snijders, Dutch Ministry of Foreign Affairs
- Superinsulating materials: IEA EBC annex 65 & EU relevant projects
 - Daniel Quenard, CSTB and Operating Agent EBC Annex 65
- IEA EBC Annex 71 and related activities on on site performance assessment of buildings
 - Staf Roels, KUL and Operating Agent EBC Annex 71



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13:50 Session 3

(chairs: Ieke Kuijpers – Staf Roels)



- IEA EBC and SHC activities on Lighting
 - Arnaud Deneyer, BBRI
- AIVC (IEA EBC annex 5) - Inspection of ventilation systems
 - Peter Wouters, INIVE EEIG and Operating Agent IEA EBC Annex 5
- Ventilative and resilient cooling (IEA EBC Annexes 62 and 80) –
 - Per Heiselberg, Aalborg University and Operating Agent IEA EBC Annex 62
 - Peter Holzer, IBR&I and Operating Agent IEA EBC Annex 80
- Energy flexible buildings - IEA EBC annex 67 and SRI in EPBD
 - Soren Ostergaard Jensen, DTI and Operating Agent IEA EBC Annex 67



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15:30 Session 4

(chairs: D. van Rijn – P. Wouters)



- IEA EBC communities related activities (Annex 63 and working group)
 - [Helmut Strasser, Salzburg Institute for Regional Planning and Operating Agent IEA 63](#)
- IEA EBC Annex 69 - Strategy and Practice of Adaptive Thermal Comfort in Low Energy Buildings
 - [Yingxin Zhu, Tshingua University and Operating Agent IEA EBC Annex 69](#)
- Panel discussion about role of IEA research in the research context
 - [Panel members: Hilde Breesch - Lex Bosselaar - Paul Ruyssevelt](#)
- Interactive voting
 - [Moderator: Xavier Loncour, BBRI](#)
- Conclusions
 - [Daniël van Rijn, The Netherlands Enterprise Agency](#)

