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Department of the Environment and Energy

International Energy Agency- Technology Collaboration Programs

Energy in Buildings and Communities





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The International Energy Agency



- **30** member countries
- **Mission:** ensure reliable, affordable and clean energy
- **Area of focus:** energy security, economic development, environmental awareness and engagement worldwide



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Technology Collaboration Programs

- **9 Research categories:**
 - Buildings and electricity
 - Industry, transport and fossil fuels
 - Fusion power and renewable energy
 - “Cross-cutting”
 - **1900** energy-related topics examined
 - Over **6000** experts worldwide from almost **300** public and private organisation in **53** countries
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Energy in Buildings and Communities

Australia is executive committee member

24 IEA member countries and **2** partner countries

- **Activities:**
 - Adaptive thermal comfort in low-energy buildings
 - Cooling with ventilation
 - High-temperature cooling
 - Indoor air quality in low-energy buildings
 - **17** ongoing projects and **60** completed
 - Task shared
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Research projects: annexes

- Led by an Operating Agent with about **10-100** researchers
 - Usually **4-5** years with **2** meetings per year
 - Australia has experts on only **5** of the current **17** annexes
 - More participation from experts in annexes without Australian participation is encouraged
 - Air Infiltration and Ventilation Centre is ongoing with annual fees
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Online resources

List of TCPs:

<https://www.iea.org/tcp/>

Annexes:

<http://www.iea-ebc.org/>



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Thank you!

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**Next presentation: Carlos Flores, National
Program Manager: National Build Environment
Rating System (NABERS)**
