



# Where do I get help?

International and regional energy efficiency initiatives

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Buildings

 IEA #energyefficientworld

*Buildings energy efficiency sessions in partnership with:*

**UCL ENERGY**  
INSTITUTE



1. **Where to start:** Energy use in buildings
2. **Where to start:** Energy efficiency potential in buildings
3. **Toolkit:** Energy efficient building design
4. **Toolkit:** Energy efficient building technologies  
**Special session.** Technology demonstration  
**Where do I get help?** IEA's Technology Collaboration Programmes
5. **Toolkit:** Energy efficiency policies and target setting
6. **What are the steps?** Enabling investment with energy efficiency policies
7. **What are the steps?** Implementing building energy codes and standards
8. **What are the steps?** Building operations and procurement  
**Special session.** The multiple benefits of energy efficiency
9. **Did it work?** Evaluation and energy efficiency indicators  
**Where do I get help?** International and regional energy efficiency initiatives
10. **Energy efficiency quiz:** Understanding energy efficiency in buildings

**Where do I get help?** International and regional initiatives that can help

**Trainers:** Brian Dean and Pierre Jaboyedoff

**Purpose:** To discuss the Building Efficiency Accelerator, GlobalABC, WorldGBC, BEEP India, PEEB, and other international and regional initiatives.

# Building Efficiency Accelerator

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[www.BuildingEfficiencyAccelerator.org](http://www.BuildingEfficiencyAccelerator.org)

## One Goal:

**Achieving  
Sustainable  
Energy for All  
by 2030**

## Three Objectives:



ENSURING  
*universal access*  
TO MODERN ENERGY  
SERVICES.



DOUBLING THE GLOBAL  
RATE OF IMPROVEMENT IN  
*energy  
efficiency.*



DOUBLING THE SHARE OF  
*renewable energy*  
IN THE GLOBAL  
ENERGY MIX.

## Six Energy Efficiency Accelerators:

### Appliances & Equipment

Global market  
transformation to efficient  
appliances & equipment



efficient appliances  
& equipment



### Buildings

Promote sustainable  
building policies &  
practices worldwide



### District Energy

Support national &  
municipal governments  
to develop or scale-up  
district energy systems



### Industry

Implementing  
Energy Management  
Systems, technologies  
& practices



### Lighting

Global market  
transformation to  
efficient lighting



en.lighten

### Vehicle Fuel Efficiency

Improve the fuel  
economy capacity of  
the global car fleet



GLOBAL FUEL ECONOMY INITIATIVE

# Building Efficiency Accelerator: partners



## Coordinating Partner:



WORLD  
RESOURCES  
INSTITUTE

WRI ROSS CENTER FOR  
SUSTAINABLE  
CITIES

## NGOs/Associations/Multilaterals:



I.C.L.E.I  
Local  
Governments  
for Sustainability



WORLD  
GREEN  
BUILDING  
COUNCIL



World Business Council for  
Sustainable Development



Global Buildings Performance Network

C4O  
CITIES  
CLIMATE LEADERSHIP GROUP



ALLIANCE  
TO SAVE ENERGY

UNITED NATIONS  
FOUNDATION



International  
Finance Corporation  
WORLD BANK GROUP



WORLD BANK GROUP



CLEAN ENERGY  
SOLUTIONS CENTER



Global Green Growth Forum



International  
Energy Agency



## Service Providers/Companies:



ALSTOM



SAINT-GOBAIN

Schneider  
Electric

tecnalia  
Inspiring  
Business

accenture

IR Ingersoll Rand  
Inspiring Progress™

中国节能  
CHINA ENERGY CONSERVATION AND  
ENVIRONMENTAL PROTECTION GROUP

# Building Efficiency Accelerator: partners



## Subnational Jurisdictions:



## Overarching commitment:

double the rate of building energy efficiency by 2030 in targeted sector within the jurisdiction

Implement one  
enabling **policy**

**Policy**

Implement one  
demonstration **project**

**Project**

Create a baseline, **track and report** annual progress, and **share experiences** with other governments

**Tracking &  
communication**



# Building Efficiency Accelerator: what is provided?



**Local action  
prioritization process**



Collaborative, multi-stakeholder assessments and workshops to define and prioritize policies and projects

**Tools, expertise and  
solutions**



Technical support through trainings, tools. Access to network of subject matter experts and service providers.

**Funding opportunities**



Connect projects in need to financial partners who can provide funding to efficiency actions

**International  
recognition and  
collaboration**



Recognition of efficiency actions at international events. Knowledge sharing through a global network of peers.

# Regional programmes

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- Bilateral cooperation between the Ministry of Power (MoP), Government of India and the Federal Department of Foreign Affairs (FDFA) of the Swiss Confederation
- The project has 4 components:
  - Component 1: Building Design
  - Component 2: Building Technology
  - Component 3: Building Policy
  - Component 4: Outreach
- Working to strengthen architecture and engineering education system on Energy-Efficient and Thermally Comfortable buildings, providing technical assistance to develop building energy efficiency regulations for residential buildings and developing new technical tools and solutions



# WBCSD Energy Efficiency in Buildings (EEB)



- Created with the ambition that “Projected energy use in buildings in 2030 can be reduced by 50% using today’s best practices and technologies, through actions that offer favorable economic returns”
- Energy Efficiency Toolkit for Buildings: guide to make the business case
- Held stakeholder workshops (EEB Laboratories) and developed action plans and local action platforms in the following cities:
  - Houston
  - Jaipur
  - Jakarta
  - Shanghai
  - Warsaw
  - Amsterdam
  - Bangalore
  - Kuala Lumpur
  - Rio de Janeiro
  - San Francisco
  - Singapore
  - Paris
  - Zurich



# World Green Building Council



- There are 72 member Green Building Councils around the world, each at different stages of their own green building journey. Here are just some in each region:



# Global Alliance for Buildings and Construction

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[www.globalabc.org](http://www.globalabc.org)

**Membership:** includes government, private and non-profit organisations and programmes

## **Three Common Global Objectives:**

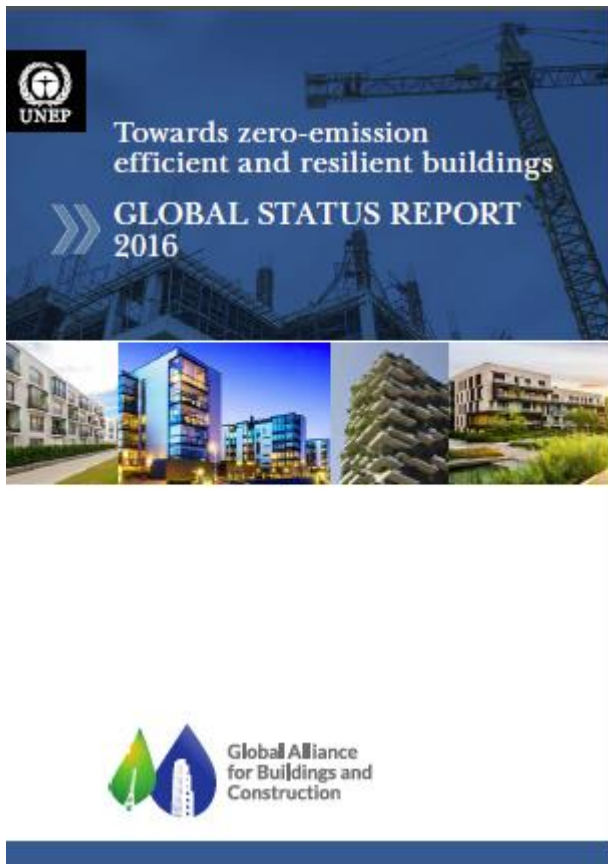
- **Communication:** Raise awareness & make visible the magnitude of the opportunities and impacts in the buildings sector.
- **Collaboration:** Public policies, market transformation, foster partnerships, sharing know-how and improving access to efficient financing and funding.
- **Solutions:** Offering programs to put the buildings sector on a below 2°C path

## **Five working groups:**

Education and Awareness  
Public Policies  
Market Transformation  
Financing  
Buildings Information and Measurement

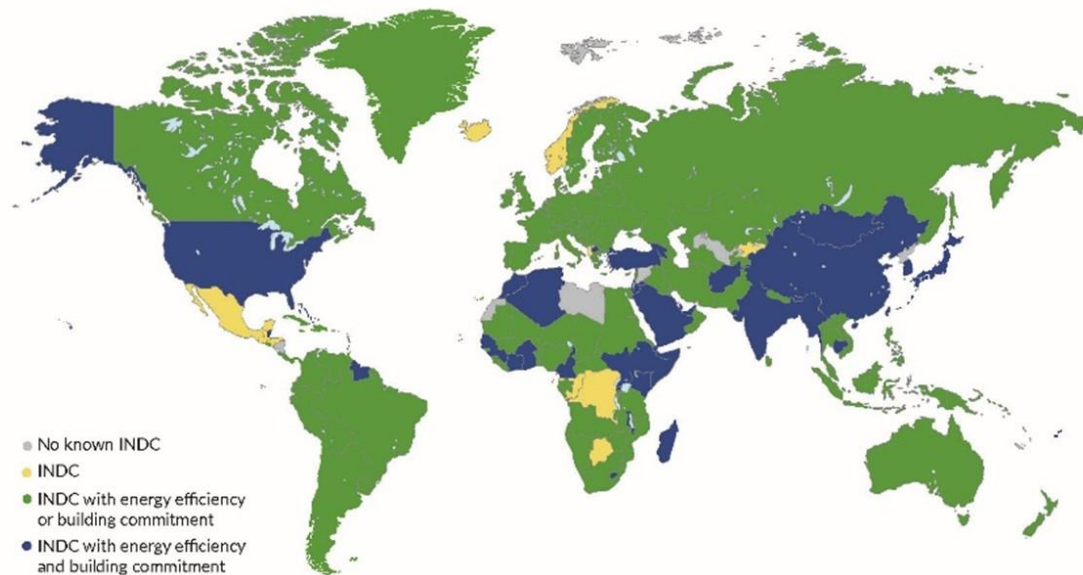
## **Key activities:**

Global Status Report  
Global Roadmap  
Regional Roundtables  
Buildings Day at COP



## GABC Global Status Report:

Tracking NDCs, Policies, Energy and Investment



This map is without prejudice to the status of or sovereignty over any territory, to the delimitation of international frontiers and boundaries, and to the name of any territory, city or area.





Implemented through:

ADEME



Agence de l'Environnement  
et de la Maîtrise de l'Energie



- PEEB is a French-German joint-initiative as an implementation programme of the Global ABC
- working with governments together with other actors
- an international initiative to facilitate financing of large-scale programmes in the building sector (focus on new buildings) in developing and emerging countries
- provides technical assistance at country level
- advances sustainable building design and construction and works towards zero emission buildings
- First partner countries: Mexico, Morocco, Senegal, Tunisia, Vietnam

# Key organisations

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- International Energy Agency: [www.iea.org/topics/energyefficiency/e4](http://www.iea.org/topics/energyefficiency/e4)
- Global Alliance for Buildings and Construction: [www.globalabc.org](http://www.globalabc.org)
- Building Efficiency Accelerator: [www.BuildingEfficiencyAccelerator.org](http://www.BuildingEfficiencyAccelerator.org)
- International Finance Corporation (World Bank): [www.ifc.org/edge](http://www.ifc.org/edge)
- World Resources Institute (WRI): [www.wri.org](http://www.wri.org)
- World Green Building Council: [www.worldgbc.org](http://www.worldgbc.org)
- World Business Council For Sustainable Development: [www.wbcsd.org](http://www.wbcsd.org)
- Copenhagen Centre on Energy Efficiency: [www.energyefficiencycentre.org](http://www.energyefficiencycentre.org)
- Climate Technology Centre and Network (CTCN): [www.ctc-n.org](http://www.ctc-n.org)
- 10YFP Sustainable Buildings and Construction: [web.unep.org/10yfp](http://web.unep.org/10yfp)
- Global Buildings Performance Network: [www.gbpn.org](http://www.gbpn.org)
- ICLEI Local Governments for Sustainability: [www.iclei.org](http://www.iclei.org)



[www.iea.org](http://www.iea.org)



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