Where do I get help?
International and regional energy efficiency initiatives

Buildings

Buildings energy efficiency sessions in partnership with:

IEA #energyefficientworld
Energy Efficiency Training Week: Buildings programme

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
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

www.BuildingEfficiencyAccelerator.org
UN Sustainable Energy for All & Energy Efficiency Accelerators

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

- **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

- **Vehicle Fuel Efficiency**
  - Improve the fuel economy capacity of the global car fleet

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Building Efficiency Accelerator: partners

Coordinating Partner:  

NGOs/Associations/Multilaterals:

Service Providers/Companies:

Source: BuildingEfficiencyAccelerator.org
Building Efficiency Accelerator: partners

Subnational Jurisdictions:

Source: BuildingEfficiencyAccelerator.org
Building Efficiency Accelerator: what cities are signing up to do

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

- Implement one enabling policy
- Implement one demonstration project
- Create a baseline, track and report annual progress, and share experiences with other governments

Source: BuildingEfficiencyAccelerator.org
Building Efficiency Accelerator: what is provided?

- **Local action prioritization process**
- **Tools, expertise and solutions**
- **Funding opportunities**
- **International recognition and collaboration**

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

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

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

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

Source: BuildingEfficiencyAccelerator.org
Regional programmes
Indo-Swiss Building Energy Efficiency Project

• 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

Source: www.bEEPindia.org
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

Source: www.wbcsd.org/Projects/Energy-Efficiency-in-Buildings
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:

Source: worldgbc.org/member-directory
Global Alliance for Buildings and Construction

www.globalabc.org
Global Alliance for Buildings and Construction (GABC)

**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

Source: www.globalabc.org
Global Alliance for Buildings and Construction (GABC): tracking

GABC Global Status Report:
Tracking NDCs, Policies, Energy and Investment

Source: www.globalabc.org
Programme for Energy Efficiency in Buildings (PEEB)

- 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

Source: www.globalabc.org
Key organisations
Key international organisations

- 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)
- 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)