Where do I get help?

International and regional energy efficiency initiatives

Buildings
Energy Efficiency Training Week: Buildings Program

1. Where to start: Understanding 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

Where do I get help? IEA’s Technology Collaboration Programmes

5. Toolkit: Enabling investment with energy efficiency policies
6. What are the steps: Building energy codes and standards

Site Visit: Ministry of Public Works and Housing

7. What are the steps: Set targets and develop policies
8. Did it work: Evaluating the multiple benefits of energy efficiency
9. Did it work: Tracking progress with energy efficiency indicators

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

10. Energy Efficiency Quiz: Understanding energy efficiency in buildings
Energy Efficiency Training Week: Buildings

Where do I get help: International and regional initiatives

Trainers: Brian Dean and Autif Sayyed

Session: 30 minutes

Purpose: To discuss IFC EDGE, the Building Efficiency Accelerator (BEA), the Global Alliance for Buildings and Construction (GABC), World GBC, BEEP India, PEEB, and other international and regional initiatives.
IFC EDGE

www.edgebuildings.com
Design, verify and certify your portfolio green, differentiating your product and positioning your company at the forefront of change.

1. Software
Instantly identify the most cost-effective ways to build green and how long it takes to recover your investment with the free EDGE software.

2. Standard
Reach the minimum standard of 20% less resource intensity in energy, water and embodied energy in materials.

3. Certification
Prove that your building is quantifiably green through certification offered by licensed service providers in over 140 countries.

Source: www.edgebuildings.com
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
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.
Building Efficiency Accelerator: partners

Coordinating Partner: 

NGOs/Associations/Multilaterals:

Service Providers/Companies:

Source: BuildingEfficiencyAccelerator.org
Subnational Jurisdictions:

[Image of various logos representing different subnational jurisdictions]

Source: BuildingEfficiencyAccelerator.org
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

Policy
Project
Tracking & communication

Source: BuildingEfficiencyAccelerator.org
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.

Source: BuildingEfficiencyAccelerator.org © OECD/IEA 2018
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
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
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 currently 72 member Green Building Councils around the world, each at different stages of their own green building journey. Including some in your country or region:

- Pakistan
- India
- Vietnam
- Hong Kong
- Taiwan
- Mauritius
- Sri Lanka
- Singapore
- Malaysia
- Philippines
- Indonesia

Source: worldgbc.org/member-directory
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)
- World Green Building Council: [www.worldgbc.org](http://www.worldgbc.org)
- World Business Council For Sustainable Development: [www.wbcsd.org](http://www.wbcsd.org)
- International Finance Corporation (World Bank): [www.ifc.org/edge](http://www.ifc.org/edge)
- 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)