



Where do I get help?

International and regional energy efficiency initiatives

Buildings



#energyefficientworld

*Buildings energy
efficiency sessions
in partnership with:*



IFC

**International
Finance Corporation**
WORLD BANK GROUP

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

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.

Global Alliance for Buildings and Construction

www.globalabc.org

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

Three Common Global Objectives:

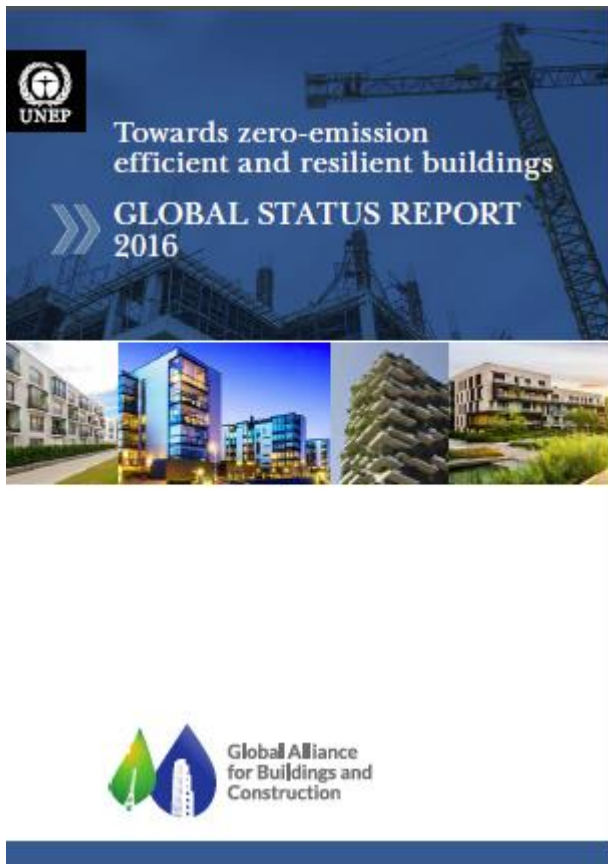
- **Communication:** Raise awareness & make visible the magnitude of the opportunities and impacts in the buildings sector.
- **Collaboration:** Public policies, market transformation, foster partnerships, sharing know-how and improving access to efficient financing and funding.
- **Solutions:** Offering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

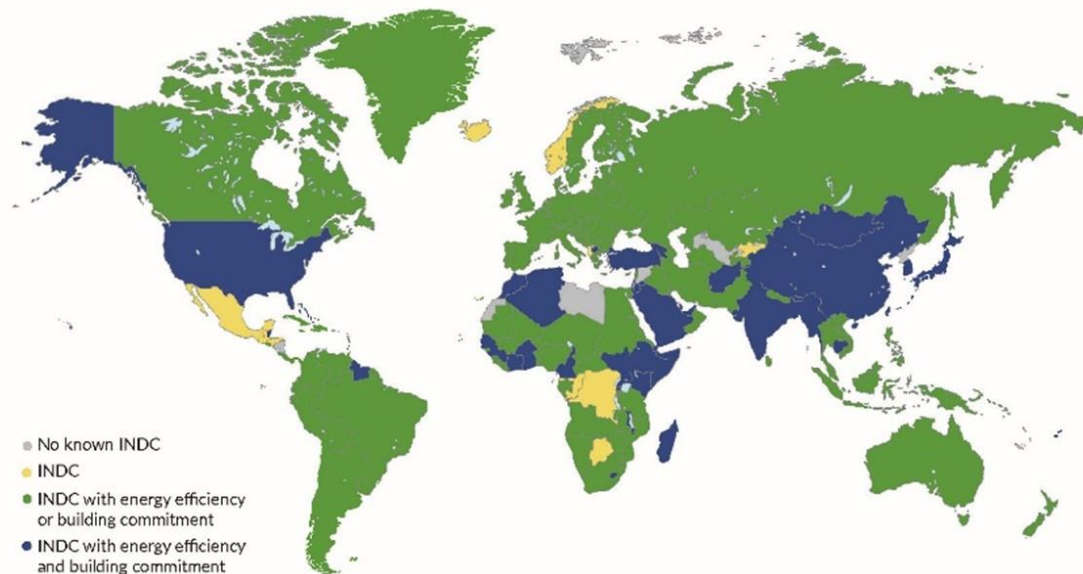
Key activities:

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.

Building Efficiency Accelerator

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



Vehicle Fuel Efficiency

Improve the fuel
economy capacity of
the global car fleet



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



International
Energy Agency



Service Providers/Companies:



ALSTOM



SAINT-GOBAIN

Schneider
Electric



Inspiring
Business

accenture



中国节能
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

- 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





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

- 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



- 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



Indian Green Building Council
Greening India since 2001

India



Mauritius



Sri Lanka



Singapore



VGBC | Vietnam Green Building Council
Hội đồng Công trình xanh Việt Nam

Vietnam



HKGBC
香港綠色建築議會

Hong Kong



Taiwan



Malaysia



Philippines



Indonesia

Key organisations

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



www.iea.org

 #energyefficientworld