



Overview presentation of bigEE.net

Content

- Project Overview
- Guides & Website
- Marketing & Dissemination Activities
- Country Partners & Projects
- Achievements

What is bigEE?

- bigEE is an international initiative by research institutes for technical and policy advice and public agencies in the field of energy and climate, coordinated by the Wuppertal Institute (Germany).

Supported by:

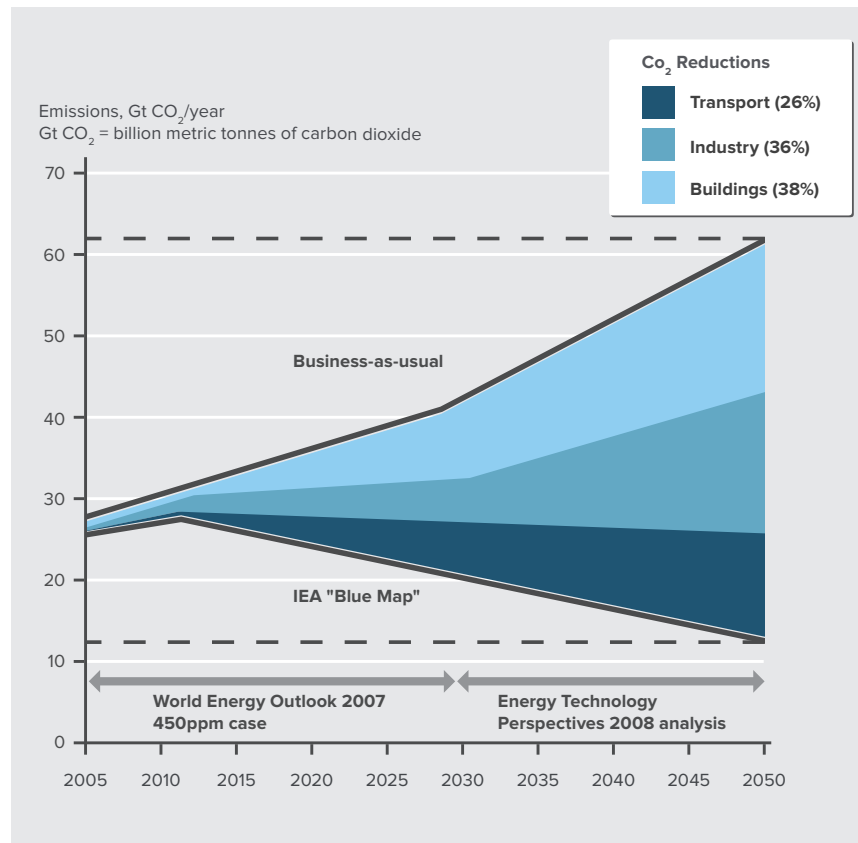


Federal Ministry for the
Environment, Nature Conservation,
Building and Nuclear Safety

based on a decision of the German Bundestag

The global knowledge and implementation gap needs to be closed

Buildings have to contribute with 38% to CO₂ reduction in 2050



- This will only happen, if innovative policies and measures are used
Because: the sector has complex structures and lots of barriers
- Knowledge exists but is not easily available („closing the knowledge gap“)
In particular: for emerging economies and developing countries

Objectives

- **Raise greater awareness and attention...**
... for the variety of benefits of increased energy efficiency in new and existing buildings.
- **Close the gaps of scattered information and material on energy efficiency ...**
... by providing latest know-how in a target group oriented, consistent, comprehensive, easily accessible, and transparent way.
- **Manage and communicate available knowledge ...**
... especially for emerging economies

Four Target Groups

Decision-makers and opinion leaders worldwide:

- Investors
- Policy-Makers
- Staff involved in policy implementation
- Consultants and research community

... and in 3 emerging economies, with partners

Partners

- China  中城深科
CSUSIBR 
- India  ENERGY IS LIFE
BEE
CONSERVE IT 
- South Africa  *sonedi*
South African National Energy
- Germany  *cscp*
COLLABORATING CENTRE ON SUSTAINABLE
CONSUMPTION AND PRODUCTION

Networking

Close cooperation with:

- **UNEP** (United Nations Environmental Programme, mainly SBCI – Sustainable Buildings and Climate Initiative and United for Efficiency, U4E)
- **WBCSD** (World Business Council for Sustainable Development)
- **IEA** (e.g. the former Sustainable Buildings Centre)
- **GIZ** (MED-ENEC; India, South Africa), **KfW** (India), **German Energy Agency dena** (China)
- **Central European University** (Global Energy Assessment, IPCC)
- **CLASP** (Collaborative Labeling and Appliance Standards Program)
- **LBNL** (Lawrence Berkeley National Laboratory)

International Advisory Board

- with members from different international organisations:

<http://www.bigee.net/en/about/advisors/>

Scope and Structure of the Platform

The bigEE web platform covers

- residential buildings
- commercial / public buildings
- industry sector related building technologies
- appliances

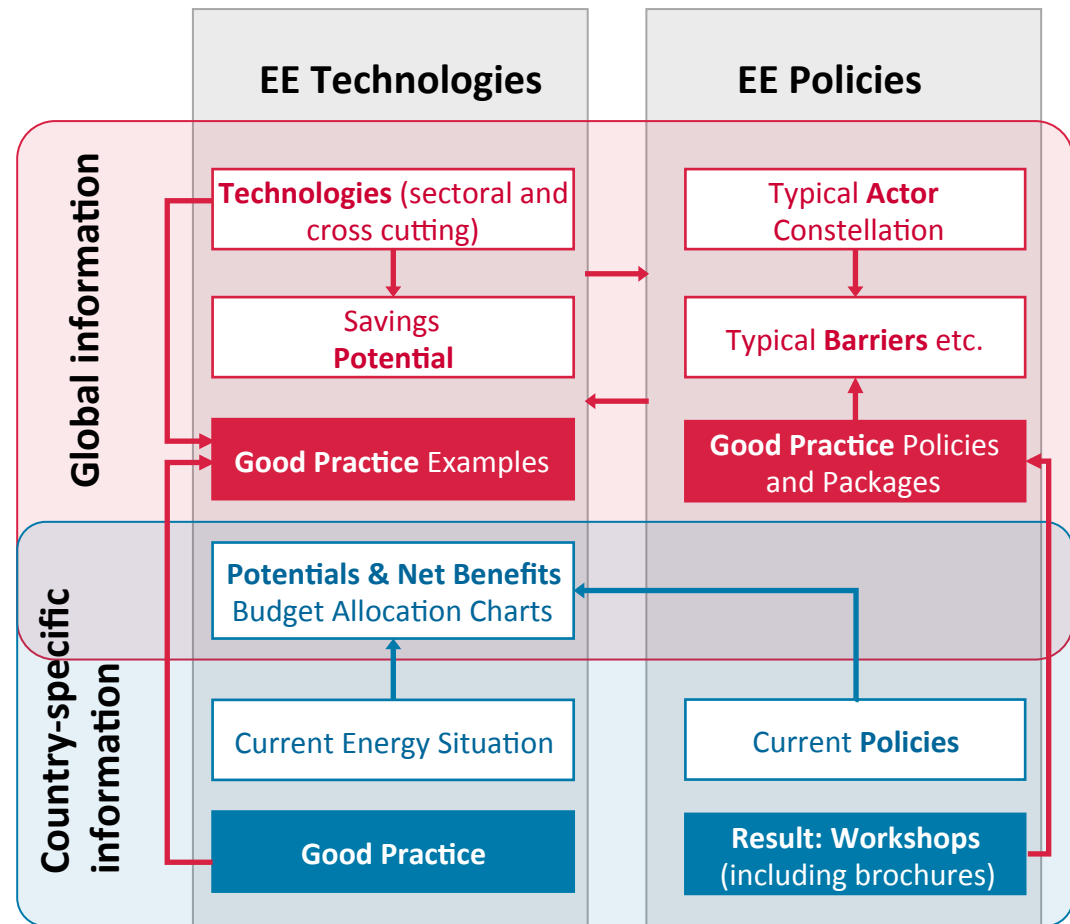
in four main climate zones

and includes information on

- technologies
- economic potentials
- policies and measures
- good practice

on

- international and
- national level.





The Policy Guide



Point of departure: Barriers and incentives

All members of the value chain must act in the same direction, or else the energy efficiency chain will break

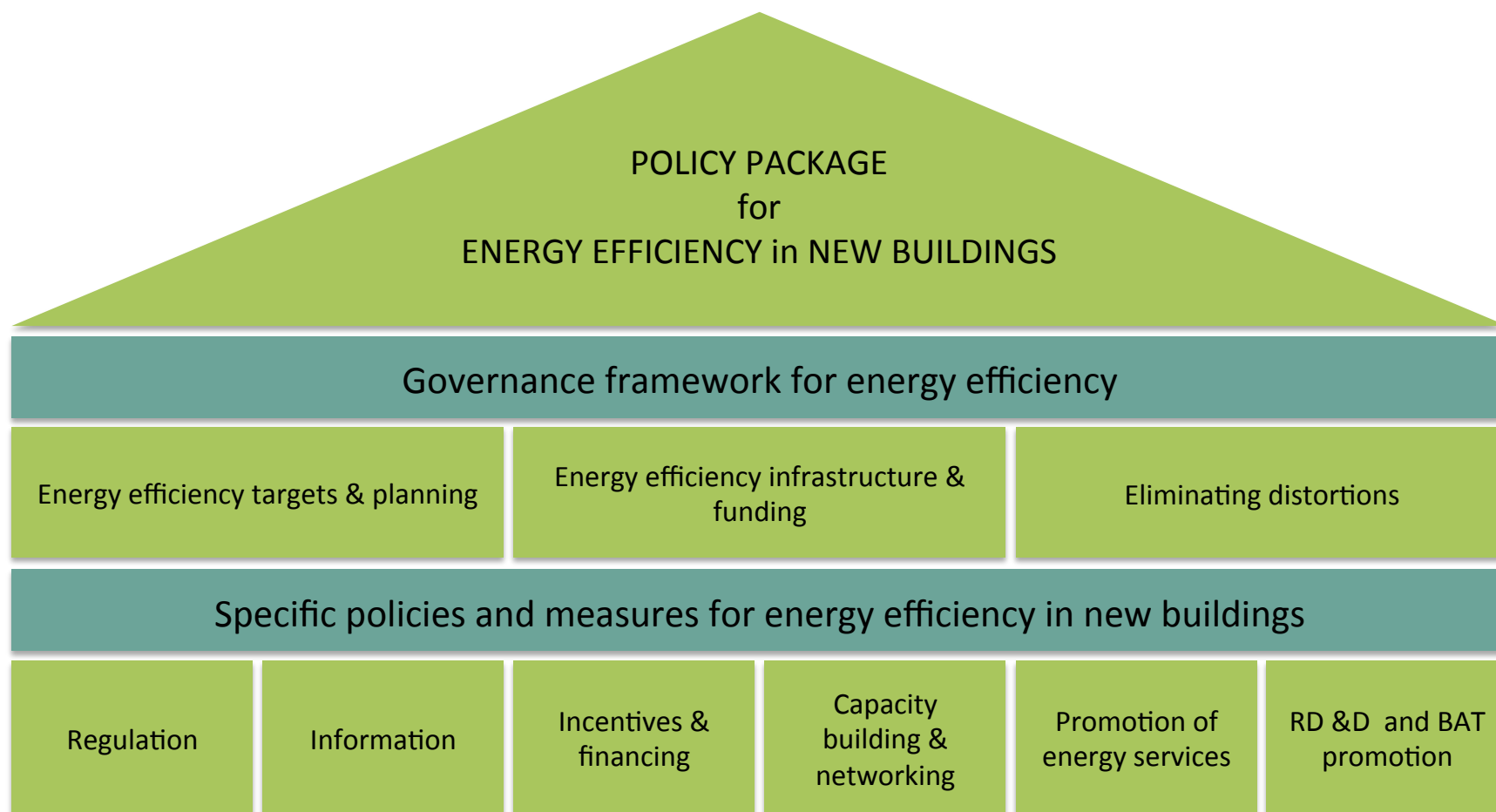
→ The specific barriers and incentives must be analysed to understand why the actors often do not implement energy efficiency

Goal:

Tailored policy packages to remove the barriers and strengthen the incentives identified

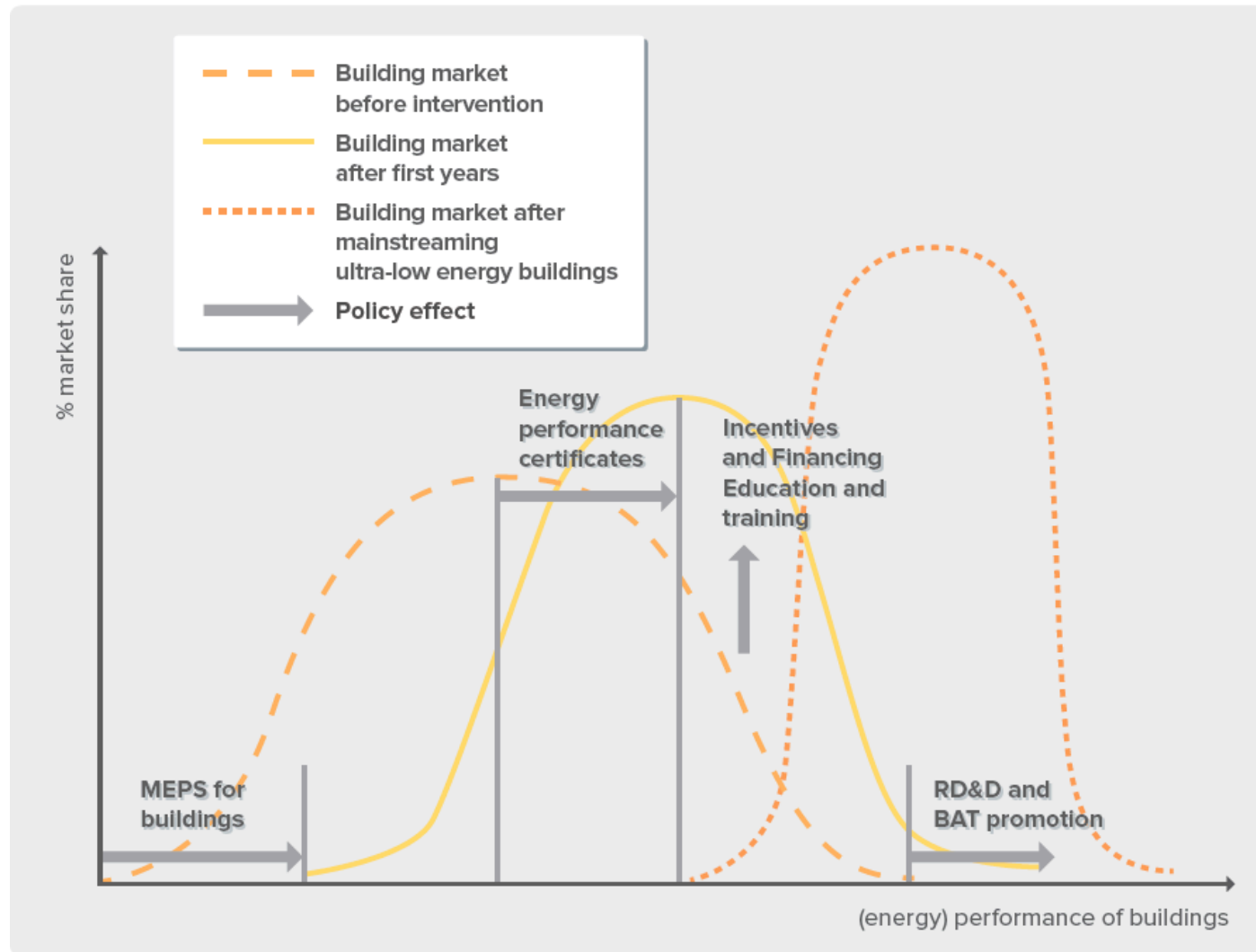


Consequently: The focus of the Policy Guide are Policy Packages





Policy package for new buildings





Landing page

Assist markets in becoming energy-efficient

To gradually mainstream Ultra-Low-Energy new buildings, high energy savings in building renovation, and super-efficient appliances, policy must support all market actors in overcoming their many barriers. This usually requires a package of policies and measures with different functions.

Make a choice for buildings or appliances to find out what is appropriate and what are good examples.



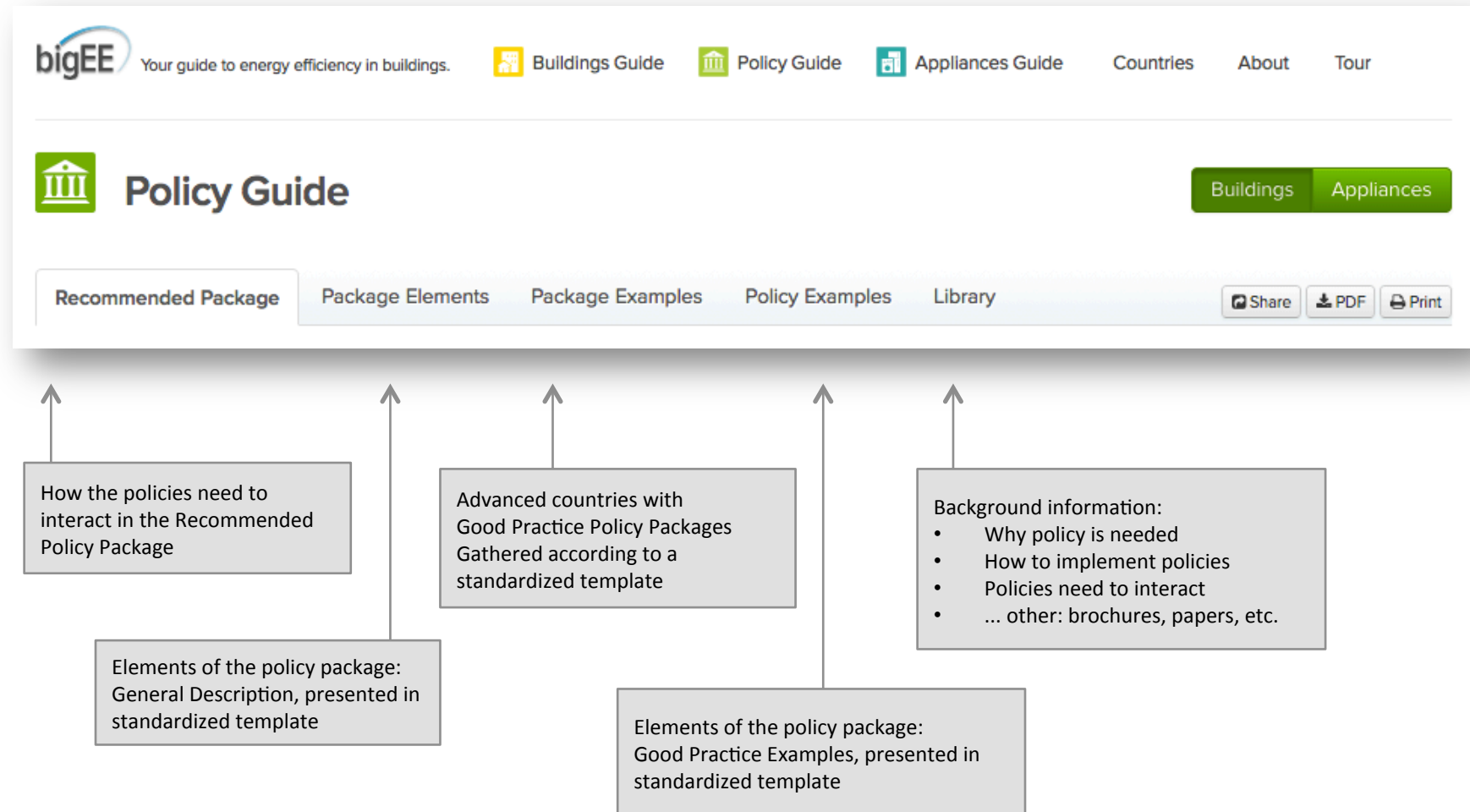
Short
introduction

Buildings	2	Recommend Policy Packages	30	Package Elements
	4	Good Practice Package Examples	16	Good Practice Policy Examples
<hr/>				
Appliances	1	Recommend Policy Packages	27	Package Elements
	4	Good Practice Package Examples	14	Good Practice Policy Examples

Main features
of the Guide



For policy-makers, advisors, investors





The Buildings Guide



bigEE Buildings Guide



Your guide to energy efficiency in buildings.



Buildings Guide



Policy Guide



Appliances Guide

Countries

About

Tour



Buildings Guide

Make a
Choice

Residential

Services

Upgrade to Ultra-Low-Energy Buildings

Explore energy levels and savings, find design-strategies and recommendations for different climate and building types and find an appropriate combination of techniques and technologies to make Ultra-Low-Energy Buildings the standard.

Find out about our strategic approach, recommendations, options and good practice examples for new and renovated energy-efficient buildings. We have currently listed in our database:



Residential

1

Worldwide Strategic Approach

3

Sets of design strategy Options

411

Recommendations

6

Good Practice Buildings

Services

1

Worldwide Strategic Approach

3

Sets of design strategy Options

392

Recommendations

2

Good Practice Buildings

Short
introduction

Main features
of the Guide



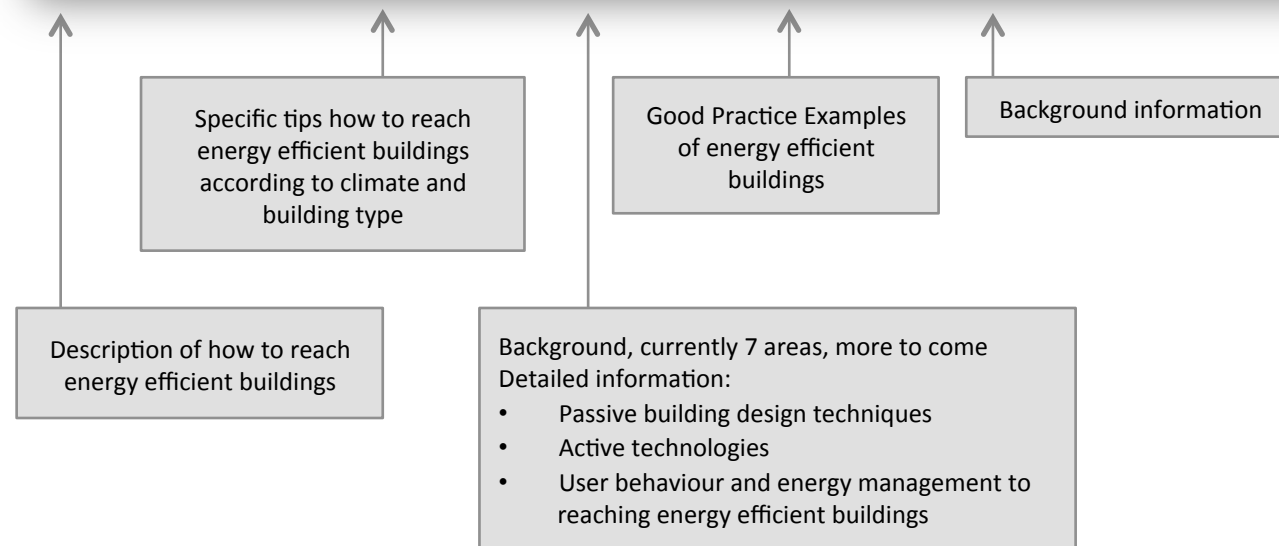
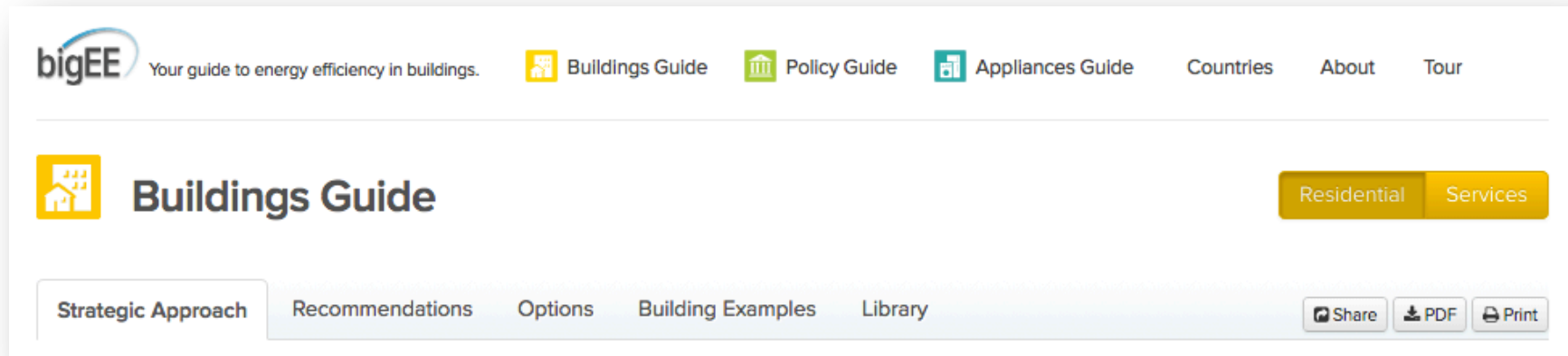
Your guide to energy efficiency in buildings

04.04.16

18



Main features: For investors, architects, policy-makers





The Appliances Guide

Appliances Guide: Residential – Overview · bigEE – Your guide to energy efficiency in buildings.


www.bigee.net/en/appliances/guide/residential/groups/

bigEE Your guide to energy efficiency in buildings.

Buildings Guide Policy Guide Appliances Guide Countries About Tour


Appliances Guide

Residential Services




Refrigerators & Freezers

Refrigerators and freezers are responsible for almost 14 % of the electricity consumption in private households worldwide. About half of this electricity consumption and related greenhouse gas emissions can be saved with the most energy-efficient technologies currently available. This will usually save consumers more money than the price premium on the energy-efficient appliance.



Stoves & ovens

Cooking is the most universal residential energy service. It is responsible for around 5% of all greenhouse-gas emissions worldwide, which is about 2 billion tons of CO₂ equivalent emissions per year. Around three quarters of this is due to inefficient biomass- or coal-based cooking in developing countries. Around 50 % of energy for this solid-fuel cooking could be saved with very low costs and high net benefits. Switching to energy-efficient and low-carbon modern cooking appliances may allow even higher savings but at higher costs.



Washing machines

Washing machines are responsible for about 2 % of the electricity consumption in private households worldwide. With the most energy-efficient technologies currently available, up to 55% of electricity and up to 73% of water savings and the corresponding reductions in greenhouse gas emissions can be achieved.

Note: On bigee.net, air-conditioning, heating and lighting technologies are not (only) considered appliances but integral components of a holistic building design as recommended in the bigEE Buildings Guide. Hence, information on these technologies can be found there.

Was this page helpful?

Be the first to vote on this page!

Home » Appliances Guide » Residential

Search ...

Menu anzeigen

beta



Get an overview and stay up to date

Overview Material

PRINT

- **Summary reports (Brochures)**
 - Policies for energy efficiency in buildings
 - Policies for energy efficiency in appliances
- **Flyer** (English & Chinese)
- **Minicards** (English & Chinese)
- **Teaser and project flyer** (English & Chinese)



Options for getting updates

ONLINE

- bigEE News Section
 - All the latest news on one page
 - Immediate information
 - Clear and simple
 - bigEE news are available on <http://www.bigee.net/en/about/news/>
- Periodical Newsletter on:
 - What's new on bigee.net?
 - Conferences, Workshops etc. with bigEE Input
 - New co-operations
 - available here: <http://www.bigee.net/en/about/newsletter/>
- Twitter
 - available here: [@bigEE_Network](https://twitter.com/bigEE_Network)



Country Project: China



Country Page - Overview

Country Overview with

- Key Information
- Basics
- Climate Zones
- Partners
- Actors
- <http://www.bigee.net/en/country/cn/overview/>
- Plus selected pages in Chinese:
- <http://www.bigee.net/en/overview/chinese/>



Country Project: South Africa



Country Page - Overview

Country Overview with

- Key Information
 - Basics
 - Climate Zones
 - Partners
 - Actors
-
- <http://www.bigee.net/en/country/za/overview/>



Country Project: India



bigEE Partnership for India

- Project Partners:
 - TERI: managing data gathering
 - BEE: dissemination, supporting data gathering
- Scope: Buildings and Appliances



bigEE – Achievements at a glance

3 worldwide guides (buildings, appliances, policy)



First consistent design guide to Ultra-Low-Energy Buildings for 4 major climate zones worldwide

Recommendations for 411 cases (residential) plus 392 cases (offices)



Worldwide savings potential plus 11 regions for major appliances



3 recommended policy packages, detailed tips for 58 policy types, over 45 detailed good practice packages and policies

3 partner countries working on adaptation of bigEE design guide and dissemination

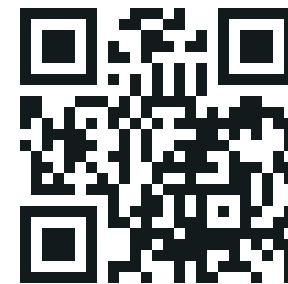


Your guide to energy efficiency in buildings.

Start now



bigee.net



Wuppertal Institute
for Climate, Environment
and Energy