UNEP DTU PARTNERSHIP | COPENHAGEN CENTRE ON ENERGY EFFICIENCY

SEforALL EE HUB

Think Global, Act Local:

Sustainable Development Goals and the Implementation of SDG7

Mark Lister

7 April 2017

Global vision | Local action | Smart everything

SUSTAINABLE ENERGY FOR ALL by 2030

- 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.

162 INDCs submitted, representing **189** countries

SUSTAINABLE DEVELOPMENT GOALS

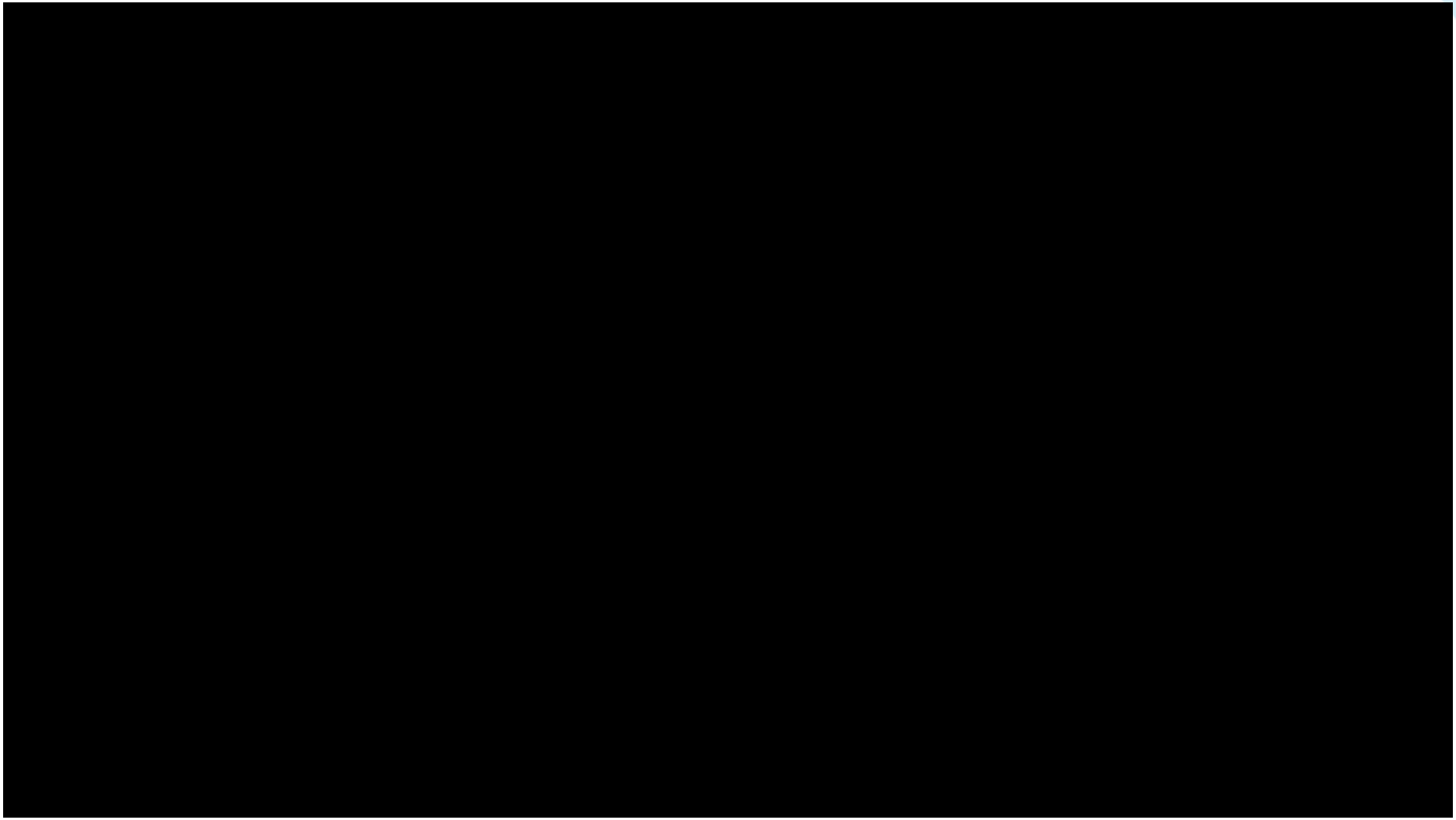
1 NO POVERTY | 2 ZERO HUNGER | 3 GOOD HEALTH AND WELL-BEING | 4 QUALITY EDUCATION | 5 GENDER EQUALITY | 6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

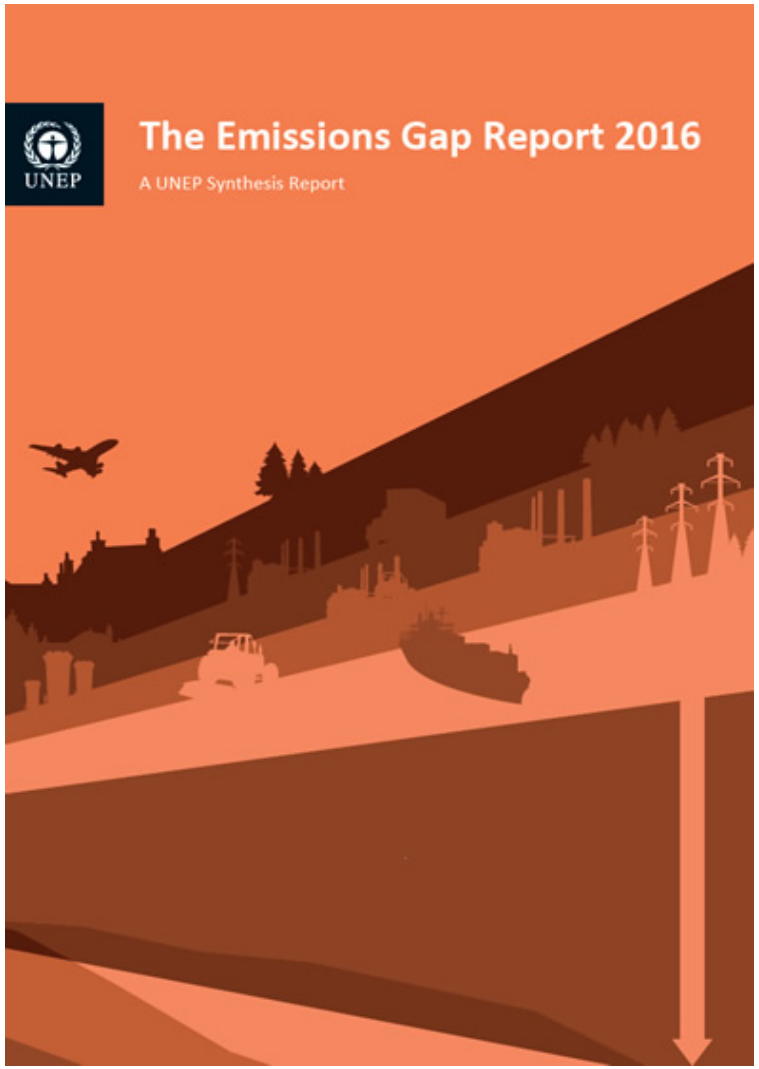
Ensure access to affordable, reliable, sustainable and modern energy for all

SUSTAINABLE DEVELOPMENT GOALS

Energy Efficiency and the Sustainable Development Goals



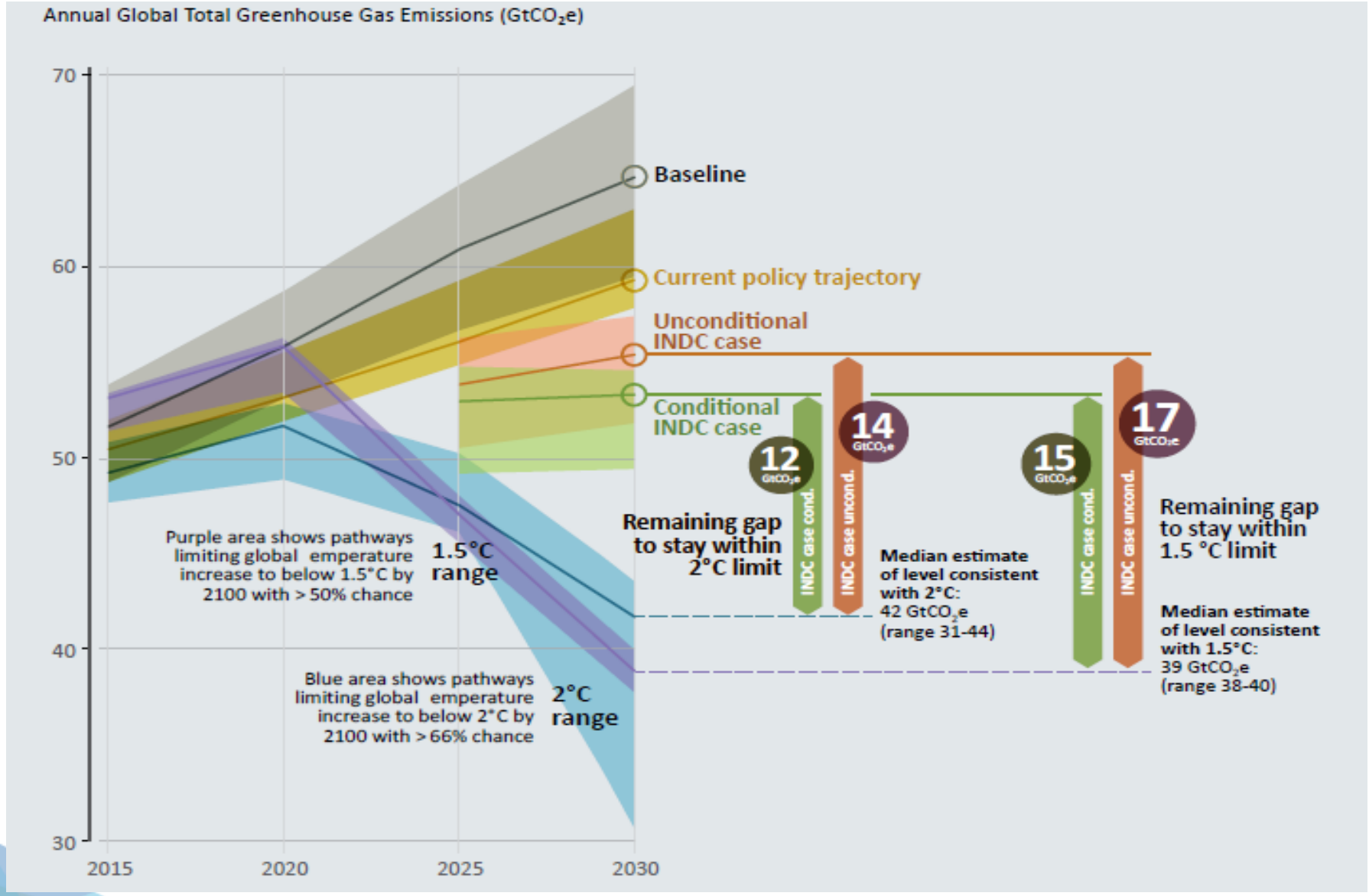
Energy Efficiency and the Paris Agreement



COPENHAGEN CENTRE ON ENERGY EFFICIENCY

SUSTAINABLE ENERGY FOR ALL

Emissions Gap Report: the need for ambition beyond NDCs



Bridging the Gap and maintaining economic growth

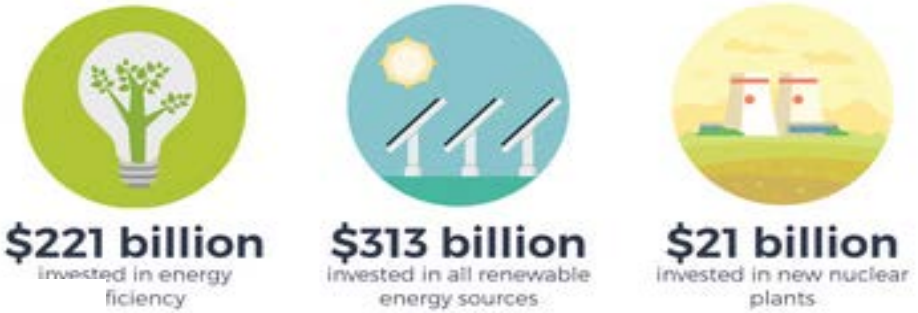
- From the Gap Report: there remains substantial untapped potential for emissions reductions through energy efficiency across the key energy using sectors of buildings (estimated 30 Gt to 2035), industry (22 Gt), and transport (12 Gt). So the gap can be bridged by EE alone, based on the availability of cost-effective potential.
- However, Governments cannot reach this potential alone. Realizing this opportunity requires ongoing innovation and new thinking in partnerships and delivery models to reconnect the private sector with delivery of global climate and development goals
- Non-state actors are already increasingly recognized for the role they play as providers of services, technologies, and as advocates for strengthened action. Also from the Gap Report: estimates indicate that aggregated impact of existing private sector initiatives are in the order of a few GtCO2 e in 2030 beyond the current INDCs: a potentially a significant contribution to 'closing the gap'

COPENHAGEN CENTRE ON ENERGY EFFICIENCY

SUSTAINABLE ENERGY FOR ALL

2016: Shift in investments towards low carbon sources

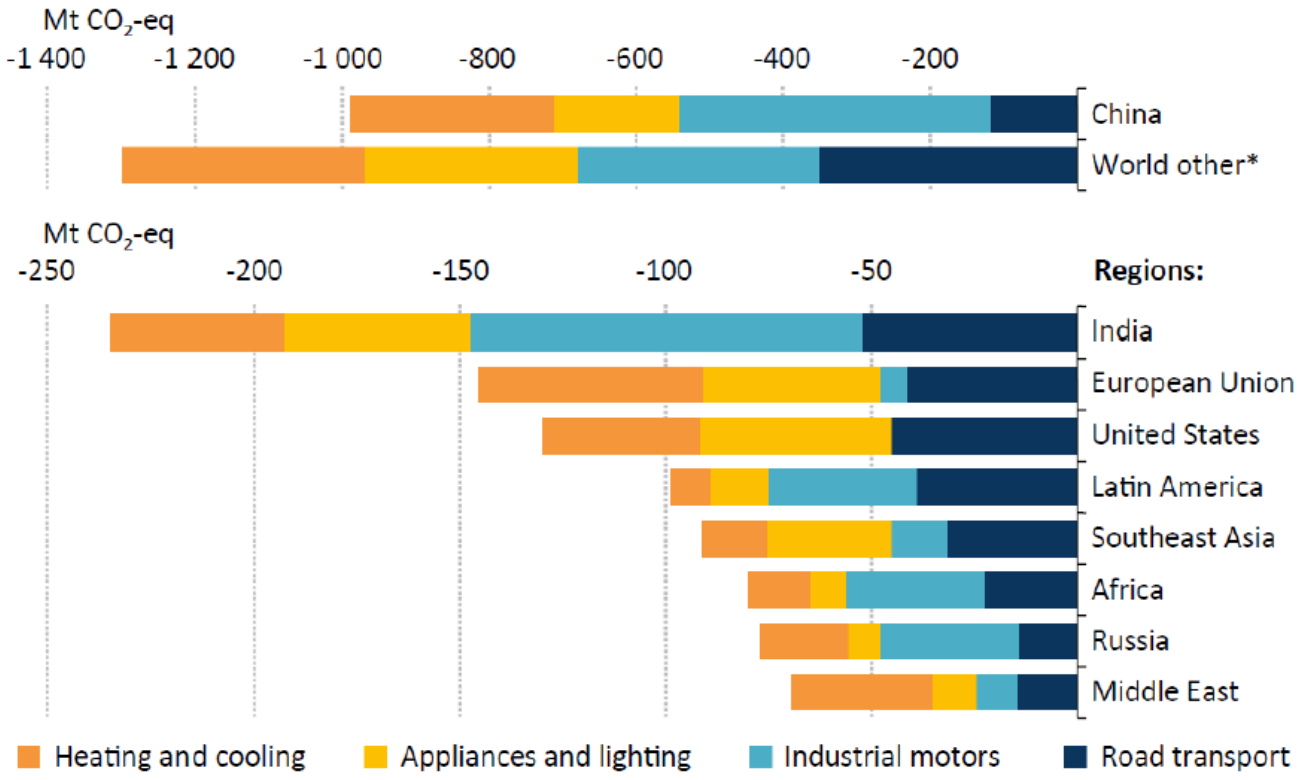
Source: IEA WEI 2016



EE brings half of energy savings

Where are the big energy efficiency gains going to come from?

- **Energy-related GHG emissions reduction (CO_2e) in Bridge scenario relative to INDC Scenario**



World Energy Outlook Climate Special Report 2015

© OECD/IEA 2015

Background to the Copenhagen Centre on Energy Efficiency

The Copenhagen Centre on Energy Efficiency ("the Centre") was formed in 2013 under an agreement between UN Environment, the Technical University of Denmark ("DTU") and the Government of Denmark.

The Centre serves as the global **Energy Efficiency Hub of Sustainable Energy for All ("SEforALL")** and supports the objective of doubling the global rate of energy efficiency improvement by 2030.

The Centre helps to coordinate and facilitate the implementation of SEforALL work program- and related energy efficiency activities globally, by:

- Assisting policy change in countries and cities with knowledge, insights and technical support;
- Accelerating energy efficiency through innovation in delivery models, public-private partnership formation and project development; and
- Raising the profile of energy efficiency by communicating success and supporting outreach.

What does a 'hub' do?
Key activities of the Copenhagen Centre

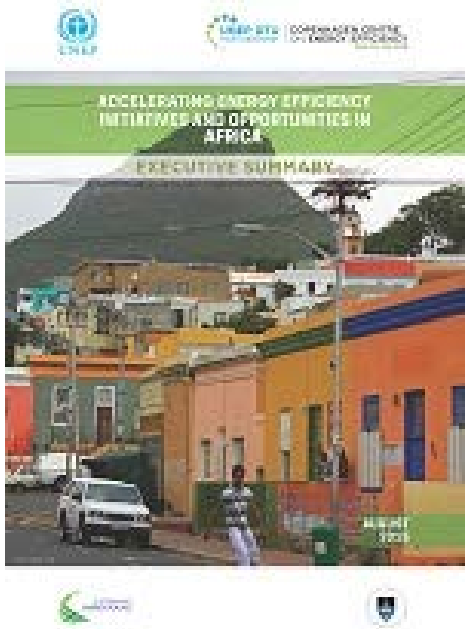
Building the Evidence Base for Action: collation and dissemination of the Centre's information and knowledge offerings, promotion of existing knowledge products and partner services, and generation of new information to underpin implementation.

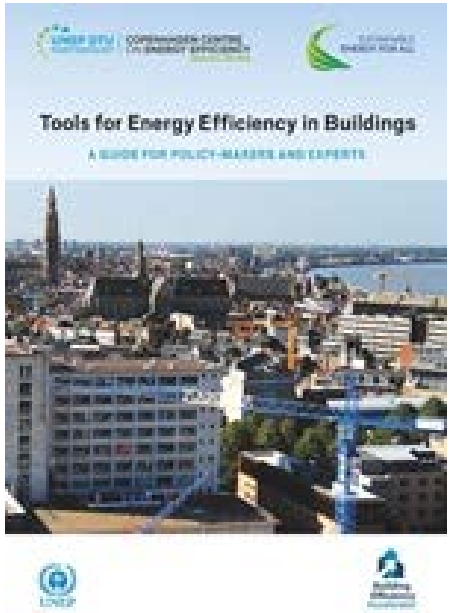
Brokering Partnerships and Connecting Stakeholders: Engaging with delivery partners and building strategic relationships with other energy efficiency organisations. Activities include Secretariat functions of the Energy Efficiency Accelerator Platform, work on strengthening agreements between service partners and expert providers, and attracting new collaborators.

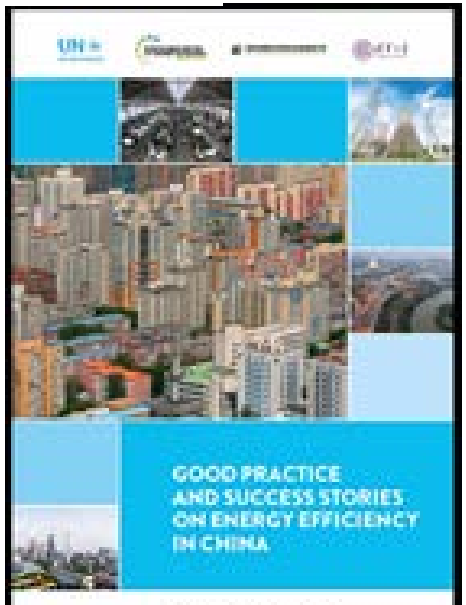
Unlocking Finance: Convening financiers and other partners in creating new investment models for energy efficiency, including for initiatives of the Centre and its partners.

Benchmarking Progress and telling stories of success: Serving as the focal point for the Centre's external communications, including engaging with SEforALL's campaigning and outreach activities, and aiming to better communicate the efforts and progress of the energy efficiency initiatives in which the Centre and other actors play a role.

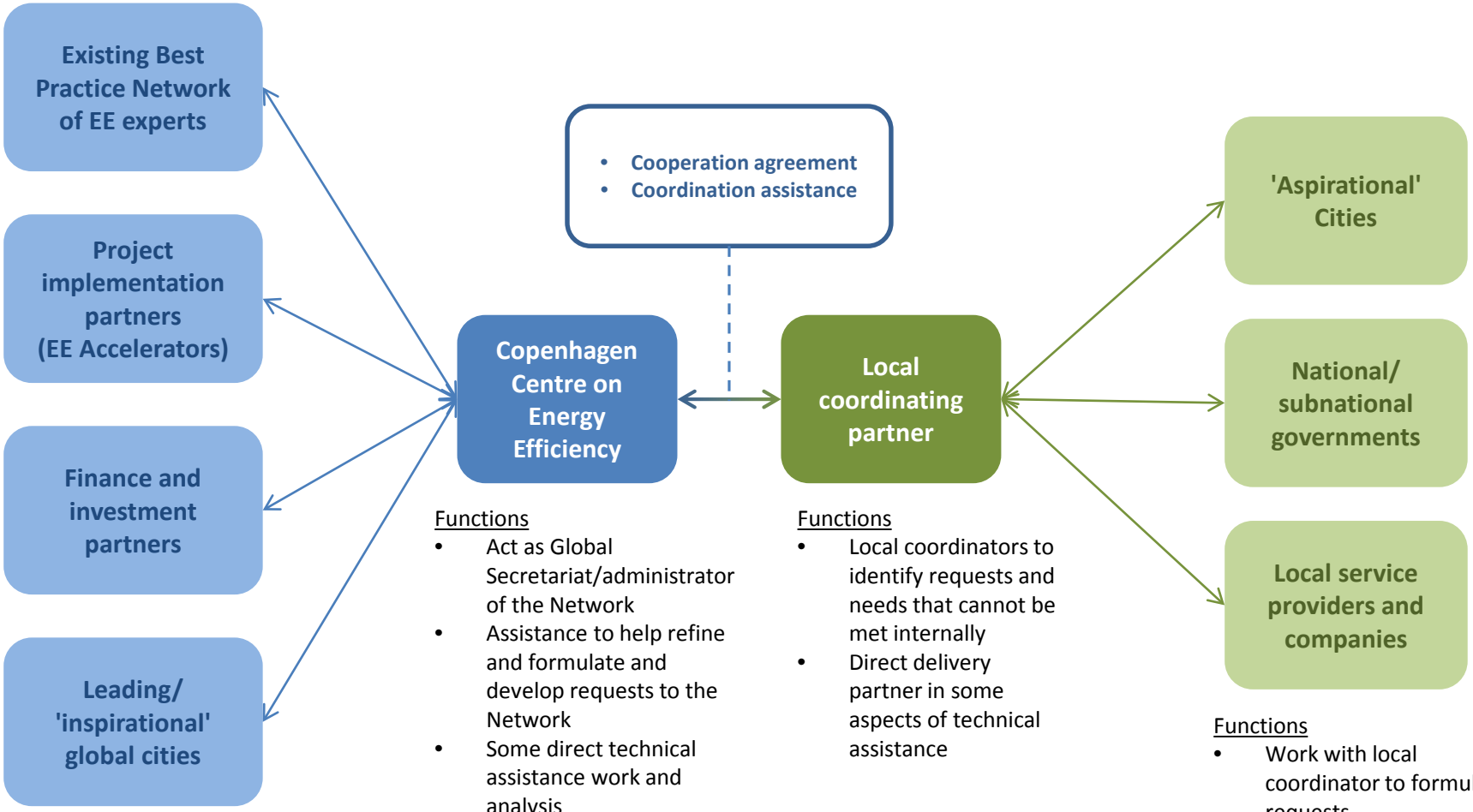
Some examples of our recent work







Matching the demand for EE support with our supply network



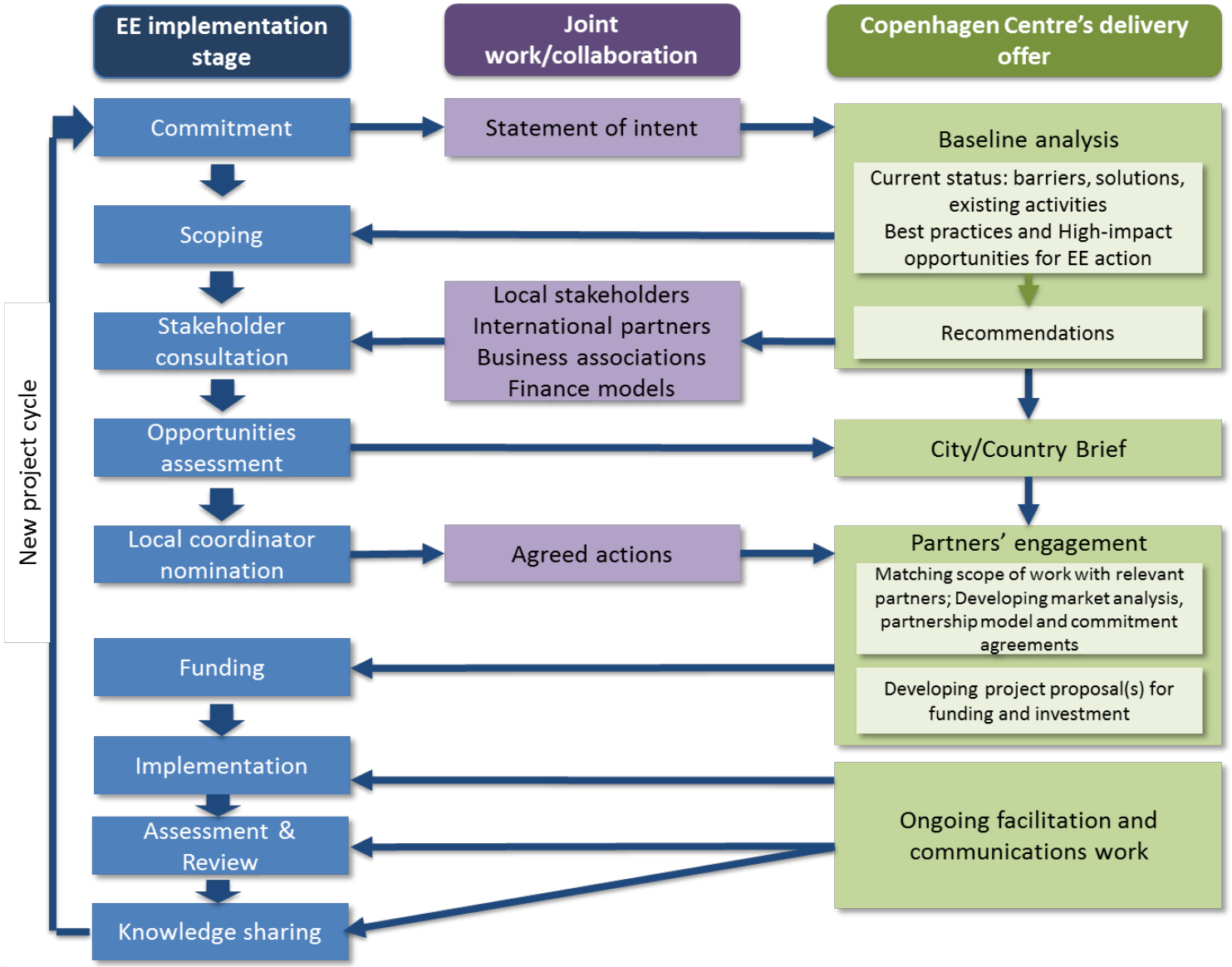
Functions
- Respond to assistance requests coordinated through the Secretariat
- Provide resources and expertise to work directly on capacity building activities

Functions
- Act as Global Secretariat/administrator of the Network
- Assistance to help refine and formulate and develop requests to the Network
- Some direct technical assistance work and analysis
- Matching with leading cities from other countries

Functions
- Local coordinators to identify requests and needs that cannot be met internally
- Direct delivery partner in some aspects of technical assistance

Functions
- Work with local coordinator to formulate requests
- Assist in technical assistance cooperation projects with global network as requested

Where do I sign? The process by which the Copenhagen Centre works with governments



Our broader existing energy efficiency implementation partners

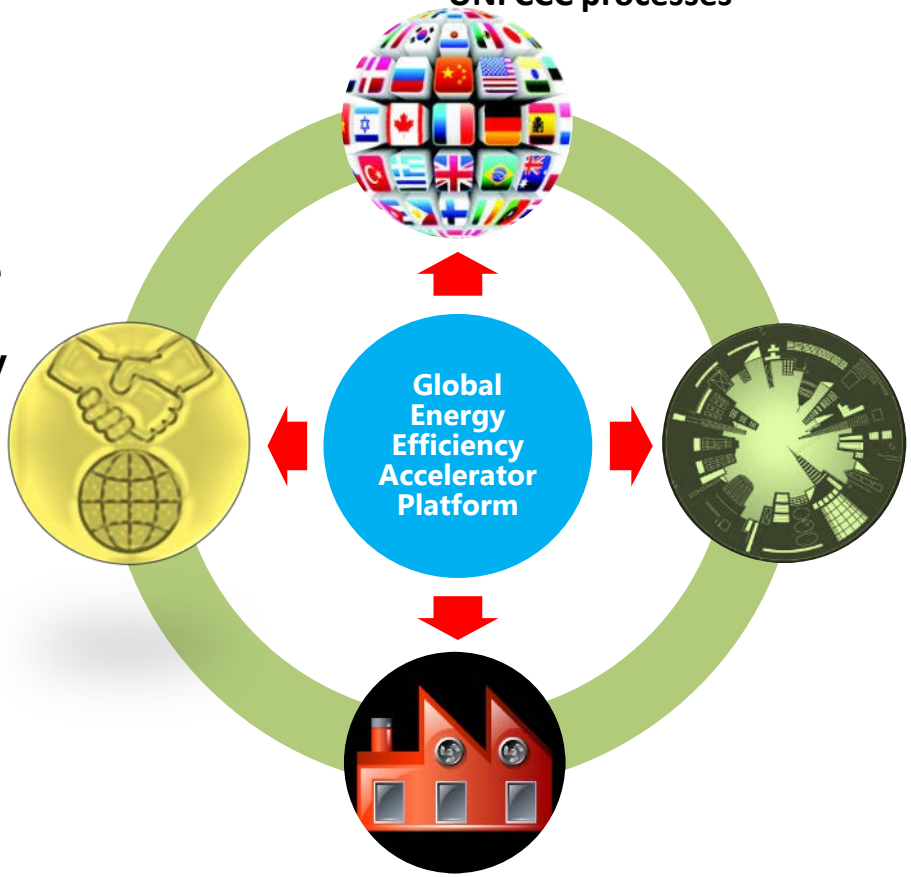
Countries

- Countries developing energy efficiency actions with the Accelerators, including through AA/IP processes
- Partners to many G20, IEA, UN Environment and UNFCCC processes

International Energy Efficiency Organizations

SEforALL's Network and the wider international expert energy efficiency community

WORLD BANK GROUP
ESMAP
Energy Sector Management Assistance Program
IRENA
International Renewable Energy Agency
ADB
Asian Development Bank
IDB
Inter-American Development Bank
UN environment
Energy Efficiency Facilitating Hub
THE ENERGY CONSERVATION CENTER, JAPAN
gef



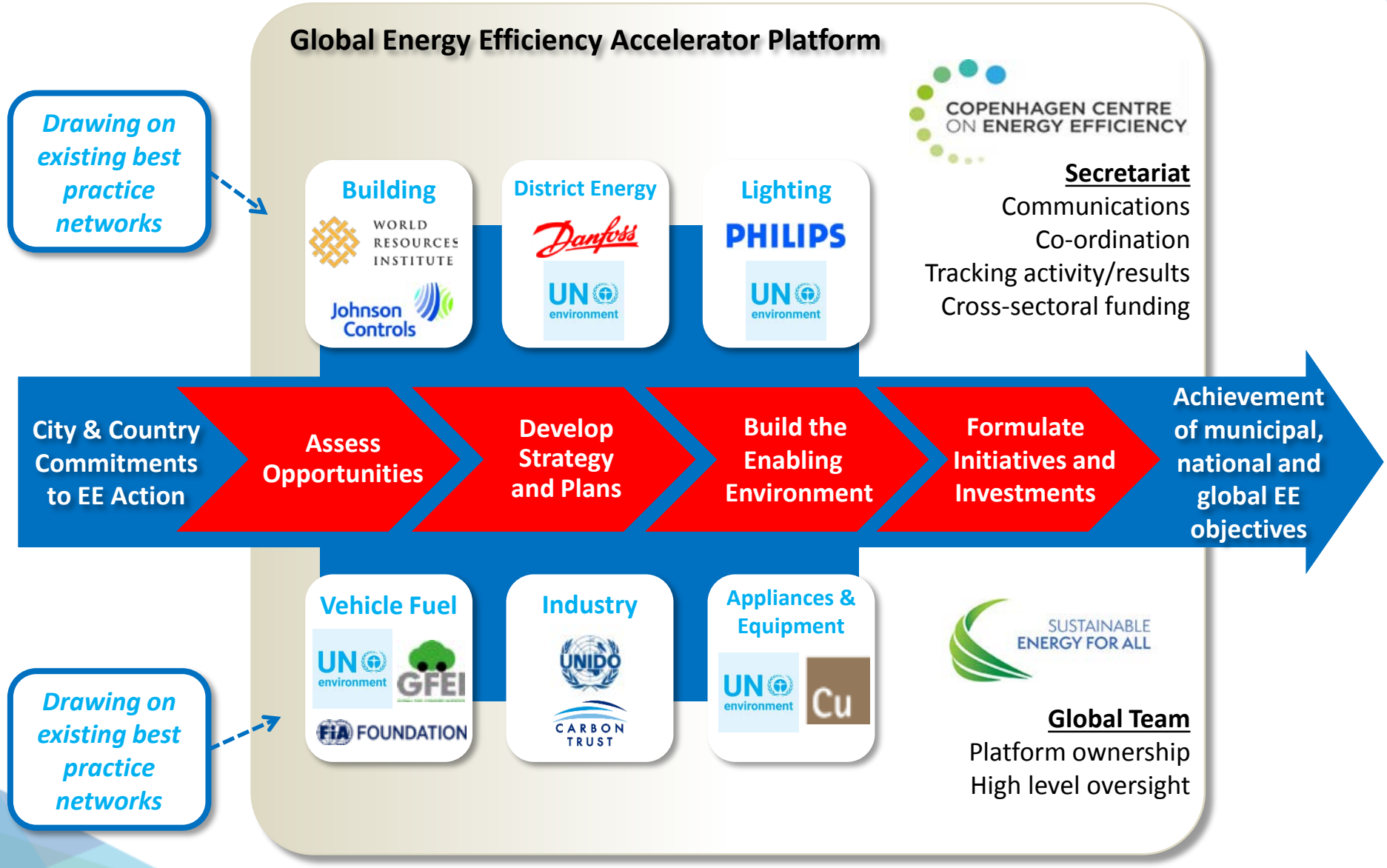
Cities

- An increasingly important frame for decision making
- Connection with city initiatives and organizations e.g. C40, ICLEI, Covenant of Mayors

Companies and Private Sector

- Links with active companies, industry bodies, expert providers and financiers, including through the Global EE Accelerator Platform

Our key private sector network: SEforALL's Accelerator Platform



John Christensen
joch@dtu.dk
+45 45 33 53 00

Mark Lister
mlis@dtu.dk
+45 45 33 53 18

UNEP DTU PARTNERSHIP | COPENHAGEN CENTRE ON ENERGY EFFICIENCY
SEforALL EE HUB