

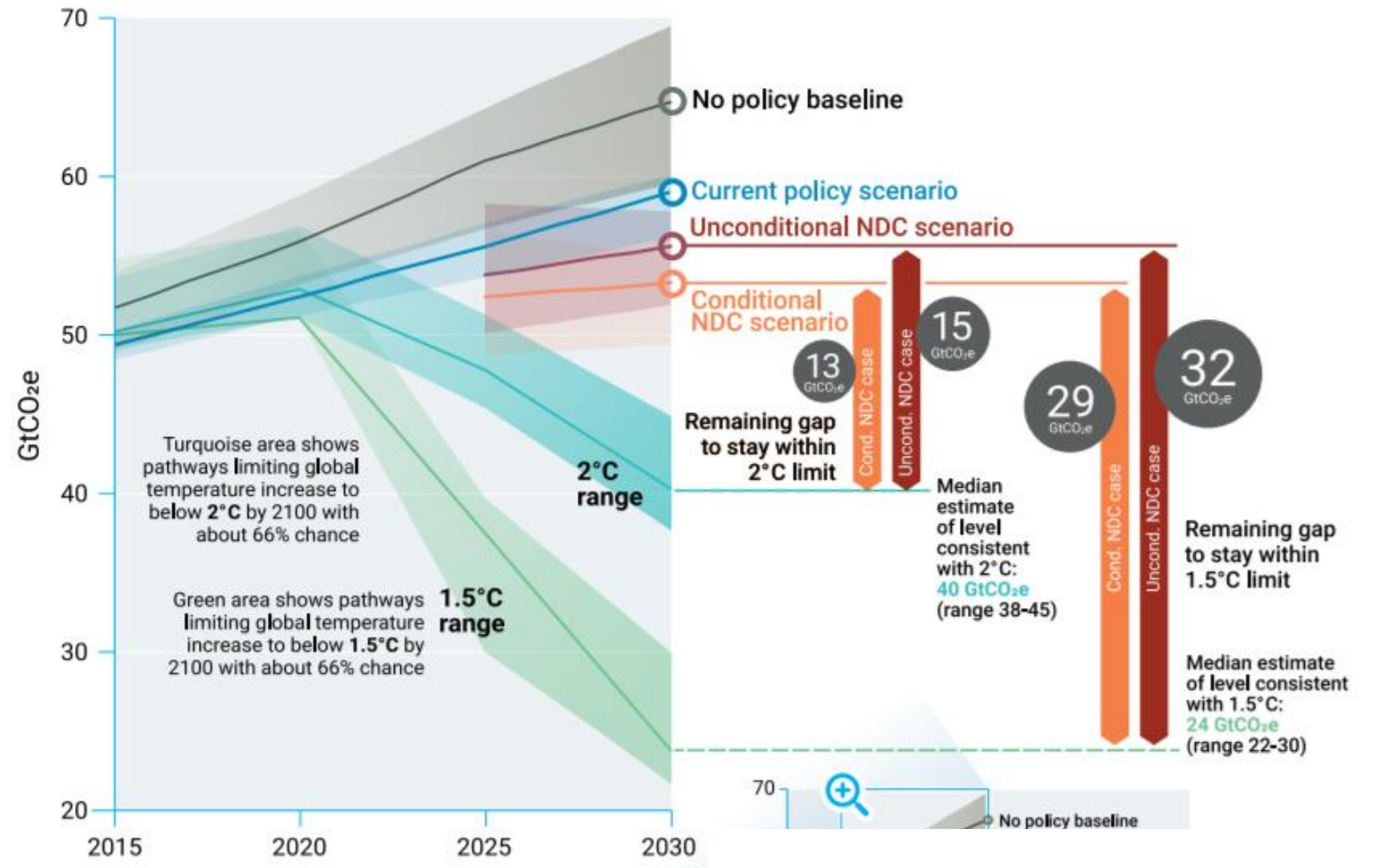


# The Role of Non-Profit Organisations and Multilateral-Bilateral Organisations in Realising National Energy Efficiency Goals under NDCs

Mark Lister

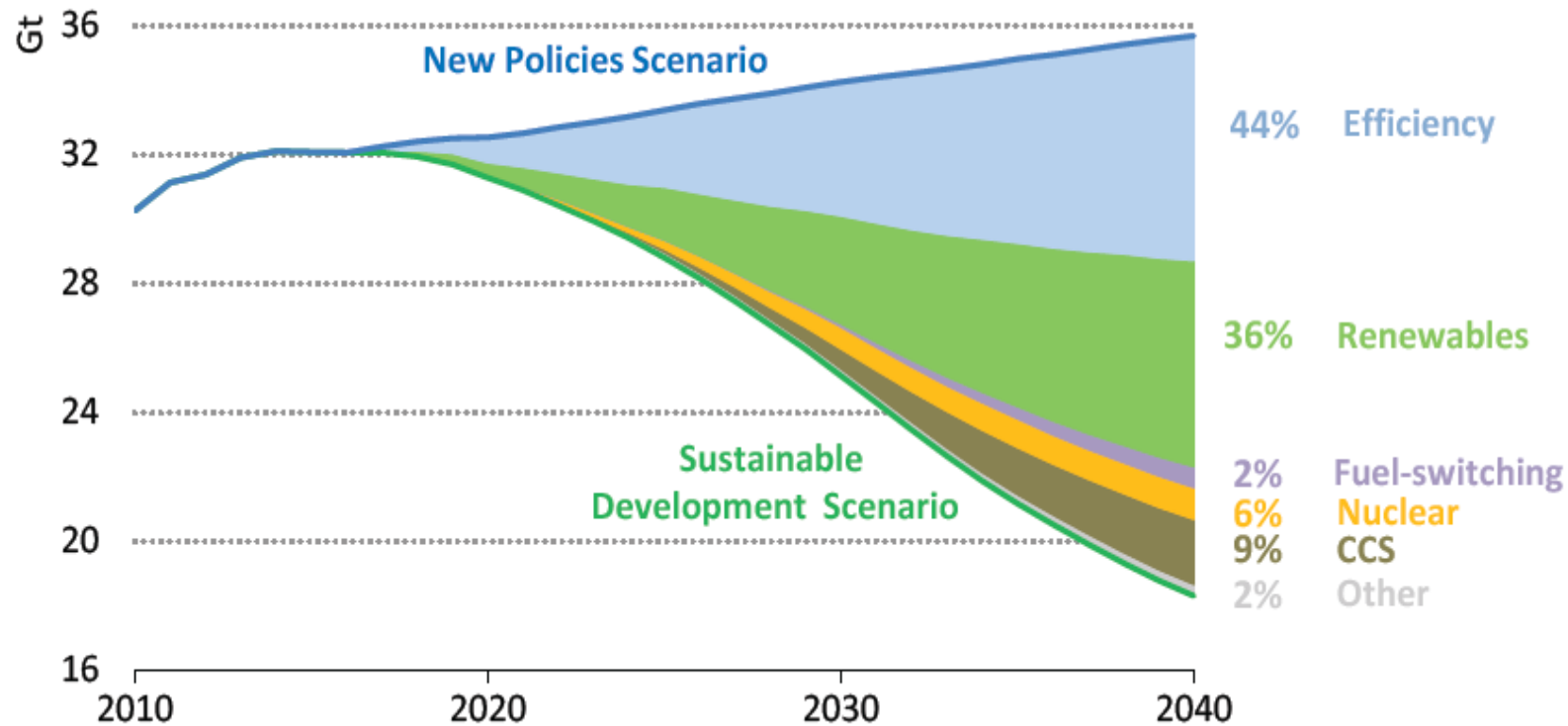
International Energy Services Conclave, New Delhi  
8 March 2019

# Energy Efficiency, Global Climate Change and NDCs: The Big Picture



# Energy Efficiency, Global Climate Change and NDCs: The Big Picture

Global carbon dioxide (CO<sub>2</sub>) emissions reductions in the WEO 2017 New Policies and Sustainable Development Scenarios



When combined with other measures, efficiency will realise over **40%** of carbon emissions reductions required to meet global climate change mitigation goals, the largest single contribution.

# Bridging the Gap: The Need for EE Implementation at Scale

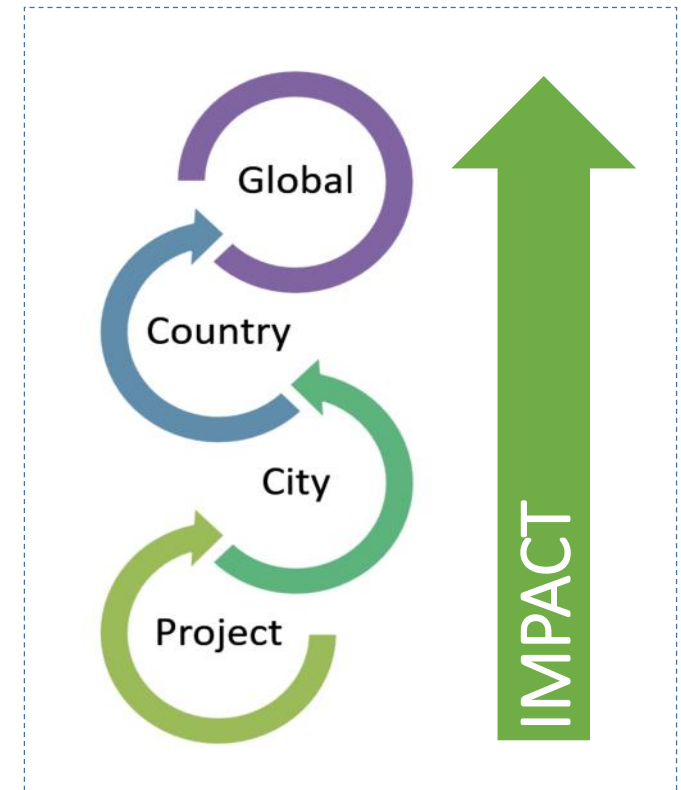


- Small scale fragmented projects
- Insufficient local project capacity
- Issues with access to finance



## Need for Structures

which bring together several relatively small-scale energy efficiency projects or activities to form a single thematic portfolio above a certain investment threshold which can be procured, administered and financed under the same framework



**Advocacy** | **Aggregation** | **Market-building**

# The Role for National, Regional and Global Energy Services Organisations

Third party energy services organisations have an important role in raising awareness of the opportunities and creating streamlined, structured and aggregated expertise on technical, financial, legal aspects of energy efficiency investment project development.



Advocacy and awareness raising of the energy services opportunity in international fora



Facilitation of industry capability for aggregated energy efficiency project development



Consistent monitoring and verification regimes



Standard legal contracting and procurement guidelines



Investment and fundraising

# Advocacy and Awareness Raising to International Levels

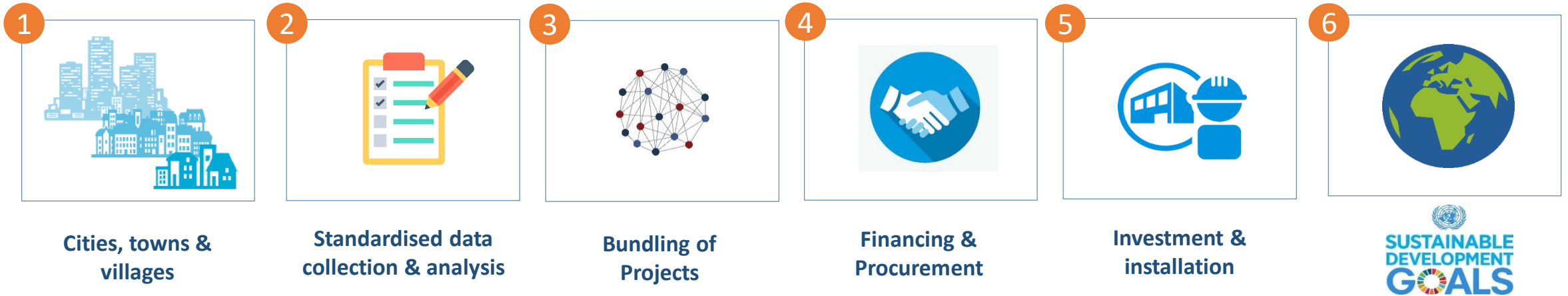
There is a clear need to amplify the ESCO opportunity to global discussions to ensure energy efficiency features more strongly in the first NDC revision cycle.

An authoritative  
global ESCO  
sector status  
update/overview

A publication or web-based  
tool/overview on market success  
factors and national policies and  
policy considerations for creating  
supportive environments that allow  
ESCOs to flourish

A consolidation of  
consistent approaches  
and modules for  
training on key aspects  
of ESCO deployment

# Facilitation of Industry Capability for Aggregated EE Projects



Buildings in Municipality A  
Buildings in Municipality B  
Buildings in Municipality C  
Buildings in Municipality D  
Buildings in Municipality E  
Buildings in Municipality F  
Buildings in Municipality G  
Buildings in Municipality H  
Buildings in Municipality I  
Buildings in Municipality J

**n Municipalities**



**~ x million inhabitants**



Typical public buildings: schools, sports centres, hospitals, etc.

## On-going work:

- Data collection for technical assessment
- Active engagement with local offices
- High potential for replication across typical buildings

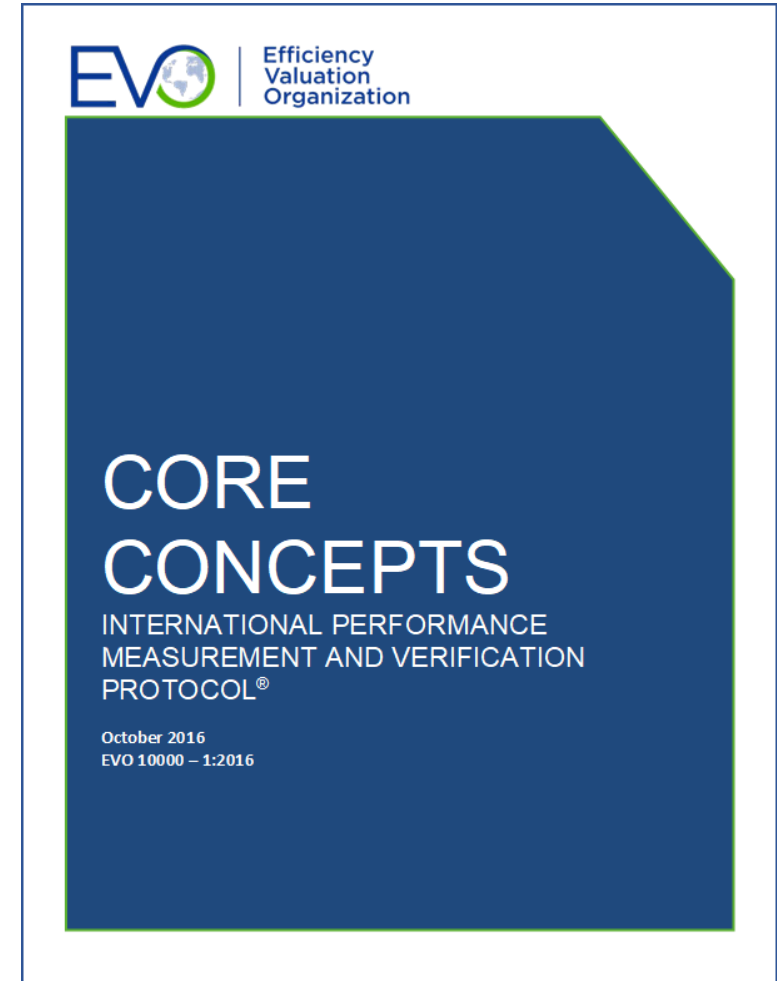
Interactive  
depository for  
data

## Efficiency Valuation Organization

IPMVP

CMVP

Promotion of CESV





# Standard Legal Contracting and Procurement Guidelines

Creating comparable risk-sharing agreements in a market

Solving procurement issues with energy services contracts common to major clients, including the public sector:

- Least-cost bias
- Multi-year contracting



# Investment and Fundraising

NGOs can consolidate ESCO business cases and document financial achievements to strengthen financial platforms that can support the sector and build market scale and confidence.

Support existing localized efforts and create greater efficiencies by securing funding for nationally/regionally/internationally consistent training materials on core concepts for energy services development:

- Best practice contracting
- Financing models
- M&V
- Geographically specific initiatives

# About Asia Clean Energy Partners

## Who are we?

An international consulting firm that supports the design and scale-up of effective clean energy initiatives, with a focus on Asia and the Pacific.

## What need do we serve?

Governments and businesses increasingly recognize the need to overhaul their energy policies and practices, to take account of new carbon constraints and new technologies. However, they do not always have the capacity or expertise to implement.



### Our Services

Create insights through research and analytics

Design programs and projects

Connect stakeholders with knowledge, technologies, and finance

Build communities of practice through targeted communications and events



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