

## OUR GOAL

We aim to tackle the climate emergency by decarbonising one of the earth's most significant carbon pollution sources – the building sector.

We do this by forming powerful coalitions that bring together the right people in the right locations to deliver maximum impact.

Together, we're building a healthier, more sustainable world.



**Map, Prioritize, Implement & Monitor:** How to incorporate the mitigation potential of the buildings sector into NDCs.

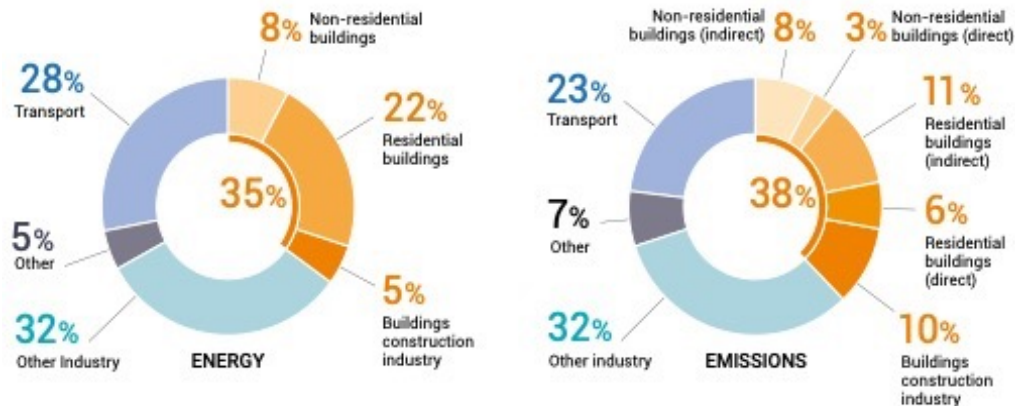
Dr. Peter Graham Executive Director, GBPN

# Why incorporate the mitigation potential of the buildings sector into NDCs?

In 2019 CO<sub>2</sub> emissions from the building sector were the highest ever recorded.

Global share of buildings and construction final energy and emissions, 2019

Source: Global ABC, 2020



Global Embodied Emissions - Construction and Manufacturing 2019

Source: IEA, ETP 2020

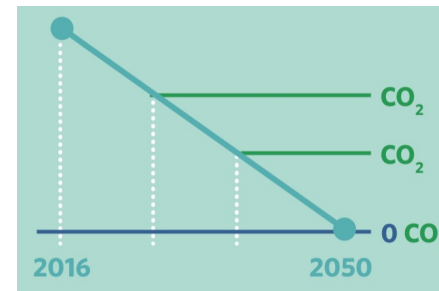
~2GtCO<sub>2</sub>

Cement- and steel- manufacturing for construction

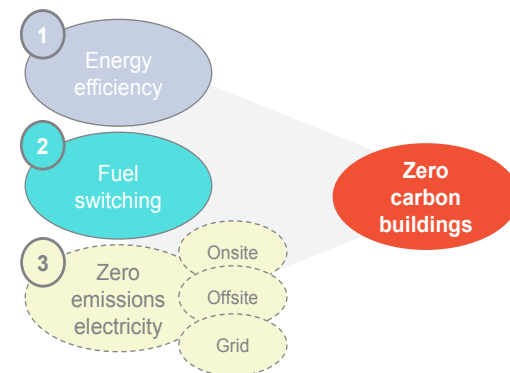
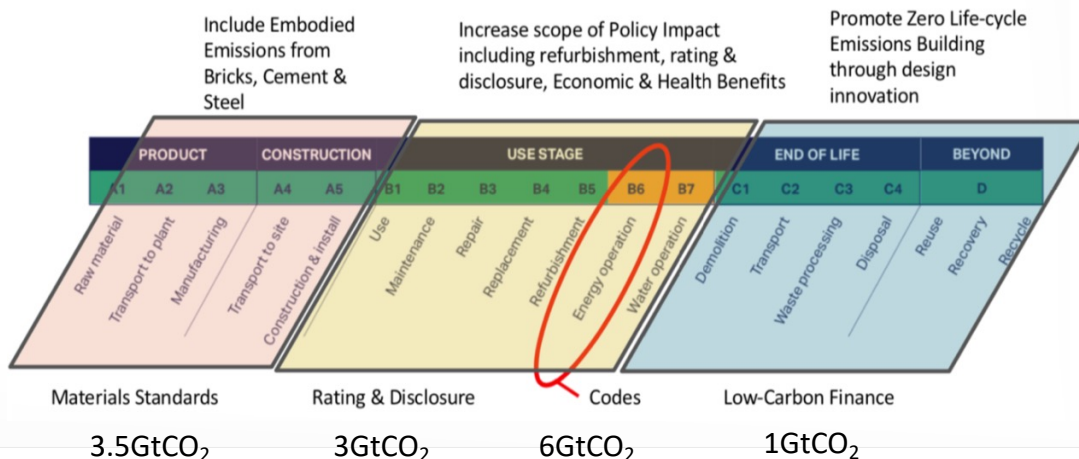
~1.4GtCO<sub>2</sub>

Other material manufacturing

# What buildings sector actions to include into NDCs?



**Ambitious Building Codes + Rating & Disclosure + Finance and Incentives + Zero-emissions Targets**

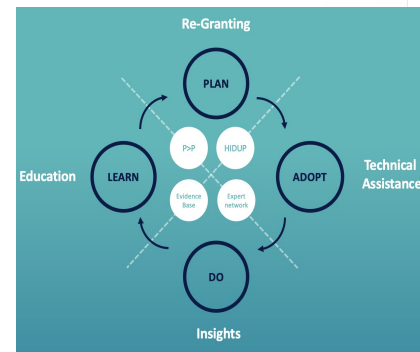
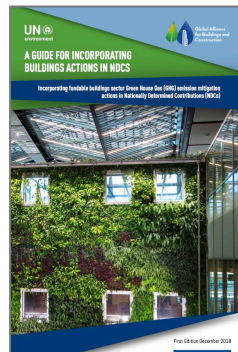
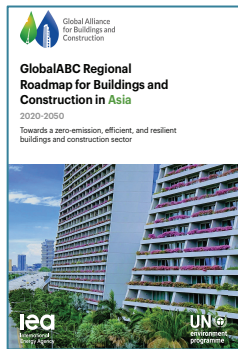




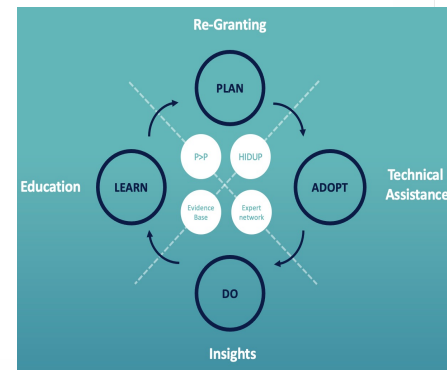
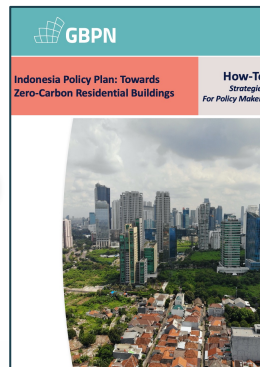
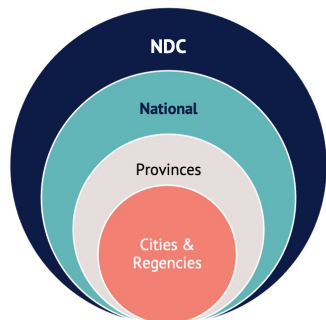
# How to incorporate the mitigation potential of the buildings sector into NDCs



## Top Down

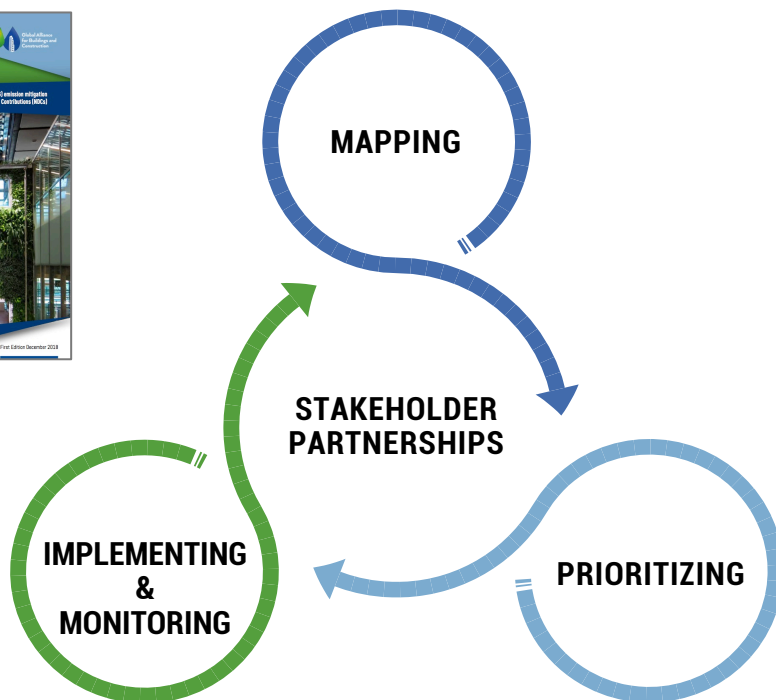
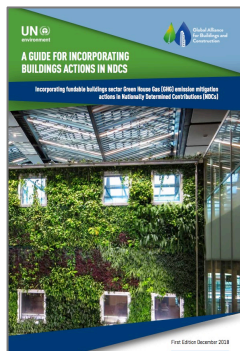


## Bottom Up





# Approach

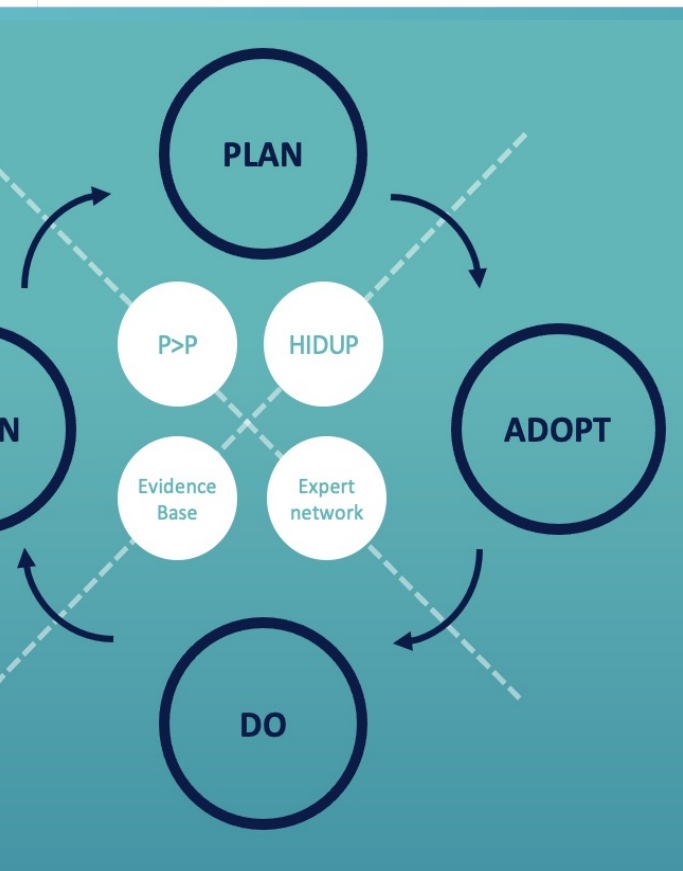


**How to** determine the scope of actions and building industry sectors that should be included in order to achieve mitigation and adaptation goals

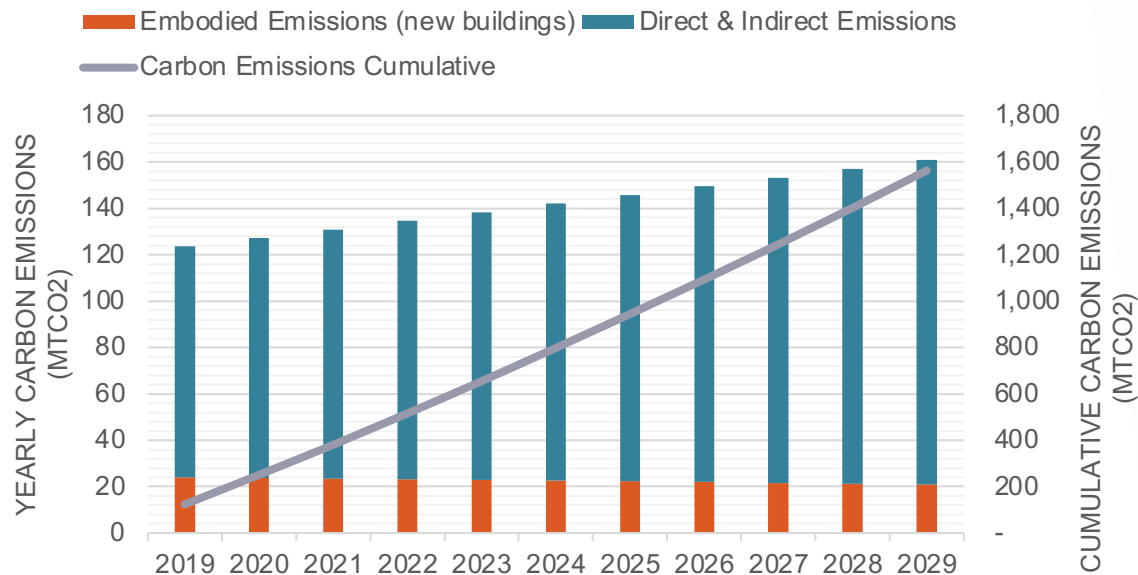
**How to** how to prioritise mitigation goals and actions based on general funding criteria used by multi-lateral donors and investors.

**How to** implement actions including governance, accessing finance, capacity building, finding technical assistance, and monitoring implementation.

# Mapping: Example – Indonesia MRV Baselines for Policy Reform



## Key Challenge: Residential Building Stock Baselines



Source: GBPN, 2021



Watch this space...

# Prioritizing

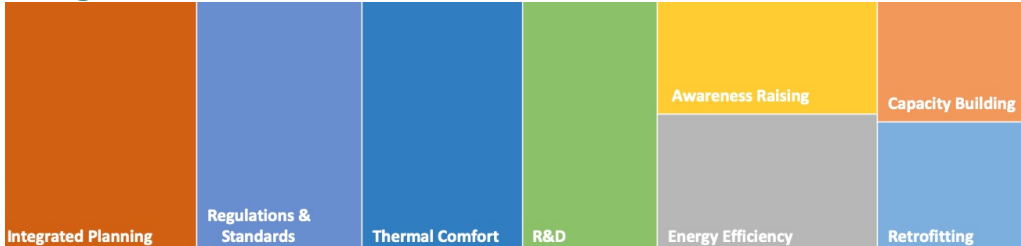
## Align with NDCs



## Align Commitments with Non-Party Actors



## Align Commitments with NAPs & SDGs

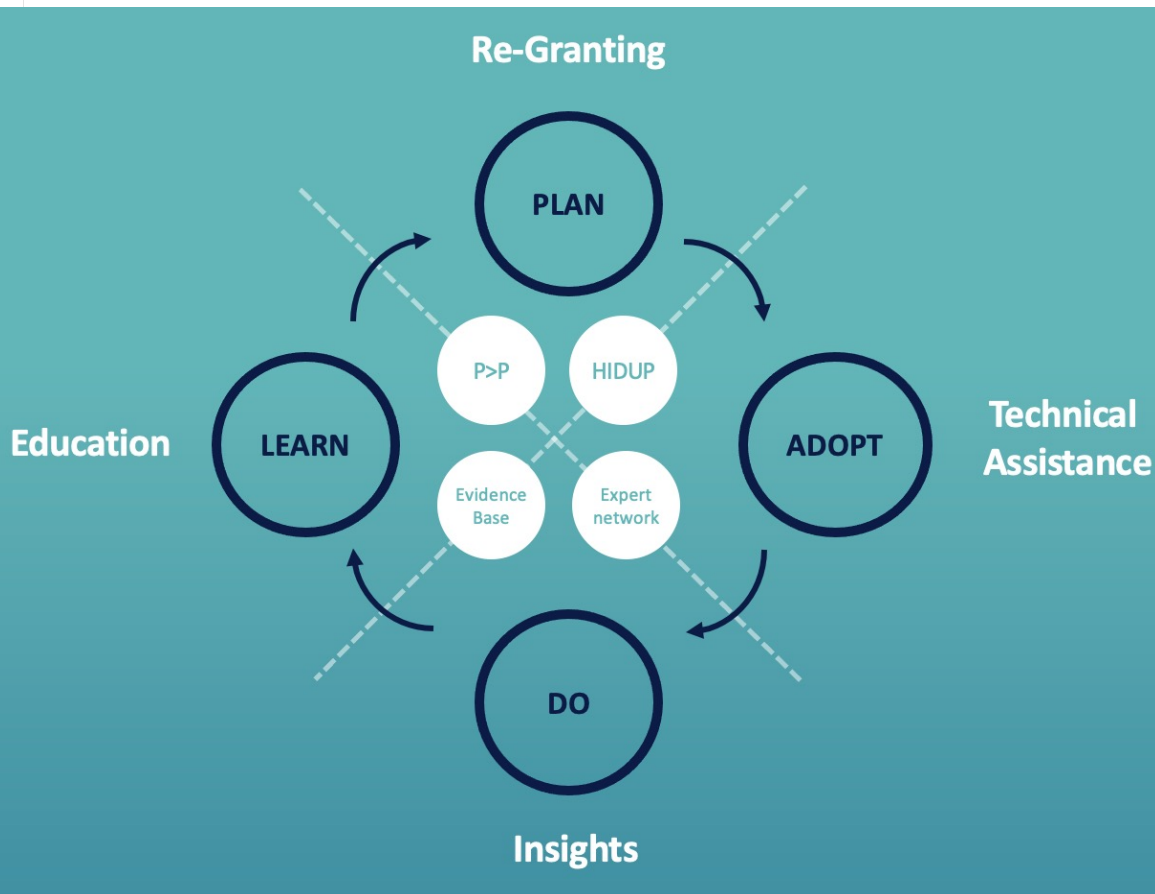


## Monetise co-benefits





# Implementation: 'How to' Policy Reform Process



## Strategy #1

Empower building authorities to ensure a phased transition toward low carbon buildings.

## Strategy #2

Enhance coordination among national, sub-national and pilot jurisdiction building regulations.

## Strategy #3

Create 'safe spaces' for participative building regulations reform processes.

## Strategy #4

Catalyse and leverage on decarbonization pathways through local-global coalitions.

## Strategy #5

Support private stakeholders' efforts with relevant incentives.

## Strategy #6

Establish Knowledge Management protocols to sustainably build capacity among public / private stakeholders.

## Strategy #7

Design a dynamic building carbon accounting framework that is compatible with NDC.

## Strategy #8

Scale based on the evidence-base and fit-for-purpose best practice.

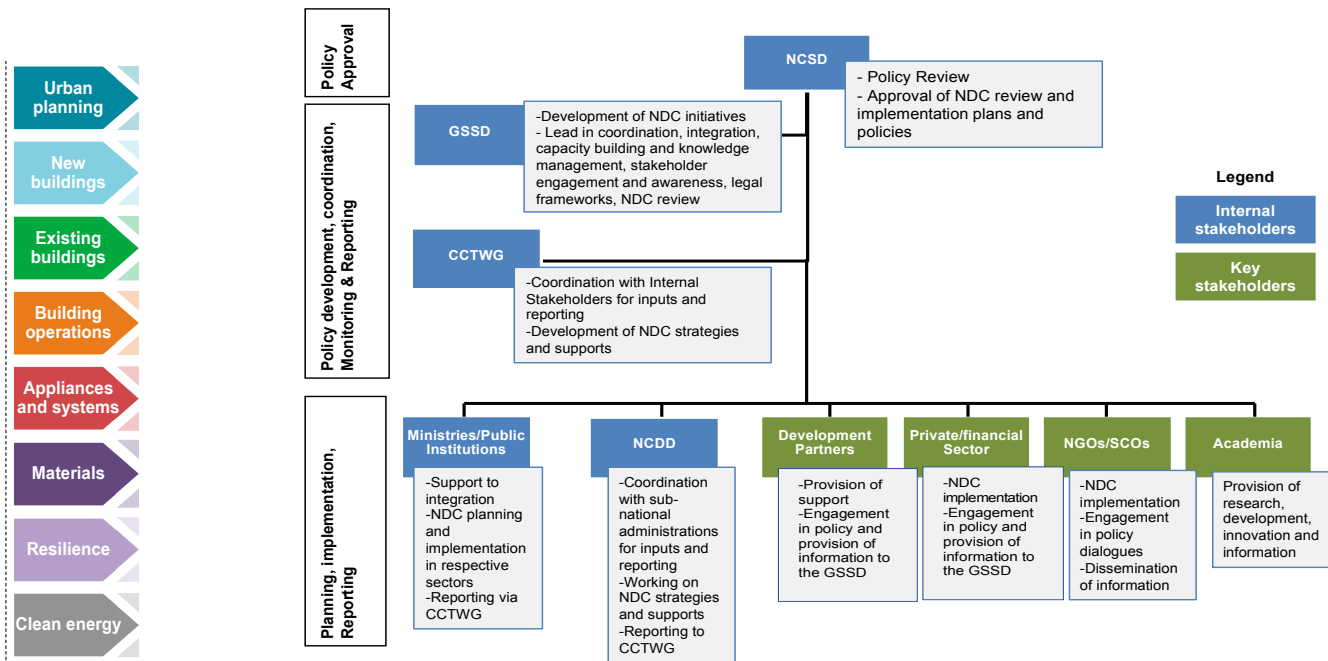
## Strategy #9

Monitor, evaluate and take action from lessons learned.

# Designing NDC and NAPs for Implementation

## Example: Cambodia

### Stakeholder roles and responsibilities



Source: Cambodia Updated NDC, 2020

# Designing NDC and NAPs for Implementation

## Example: Canada



Best Practices for Implementing NDC Commitments for Buildings - underway

Country	Governance		Ambitious Goals	Comprehensive Actions	Coordinating Body	Implementation		Defined Roles/Roadmap	Data & Knowledge Sharing	Quality Assurance	Stakeholder Engagement	Legal Framework
	Political Commitment	Common Goals				MRV	Budget & Staff					
Argentina												
Bangladesh												
Brunei Darussalam												
Canada												
China												
Korea, DPR												
<del>Lesthoto</del>												
Morocco												
Turkey												

**The Pan-Canadian Framework on Clean Growth and Climate Change** is our plan – developed with the provinces and territories and in consultation with Indigenous peoples – to meet our emissions reduction targets, grow the economy, and build resilience to a changing climate.

**In implementing the Pan-Canadian Framework** on Clean Growth and Climate Change, federal, provincial and territorial **governments will review progress annually** to assess the effectiveness of our collective actions and ensure continual improvement.

**Engaging Canadians:** The Let's Talk Climate Action website was launched on April 22, 2016 to gather ideas and comments from Canadians. By the submission deadline over 13,000 ideas and comments were received. In addition, consultations by governments and working groups on clean growth and climate change were held across Canada.



# More Support on the way



Global Alliance  
for Buildings and  
Construction



## NDC Buildings Tool Kit

For each of the 3 steps (Mapping, Prioritizing and Implementing):

### Practical advice

- Building sector analysis and growth projections
- EE Building Codes & enforcement
- Building Sector NAMAs from different countries

### Hands-on tools

- NDC Building Roadmaps
- Baseline and GHG calculation methods (UNFCCC Compendium on GHG baselines and monitoring)
- Financial incentive instruments, non-monetary incentives

### Country examples

- NDC targets and actions for the building sector
- NDC Building Roadmaps (Vietnam, Cambodia, Indonesia ...)

➤ Countries can enter the process at any point, no matter what stage they are currently at

A photograph of children playing outdoors on a grassy area. In the foreground, two boys in light blue school uniforms are crouching and playing with colorful stacking toys. To the left, a girl in a pink and purple outfit is also playing. The background is filled with lush green foliage and trees, creating a bright and natural setting.

## GOOD POLICY CHANGES LIVES

We are protecting the future of our planet and we're also having an impact on the health and wellbeing of people right now

# Supporting Building Sector NDCs

More information:

[www.gbpn.org](http://www.gbpn.org)

[Peter.Graham.gbpn.org](mailto:Peter.Graham.gbpn.org)

