

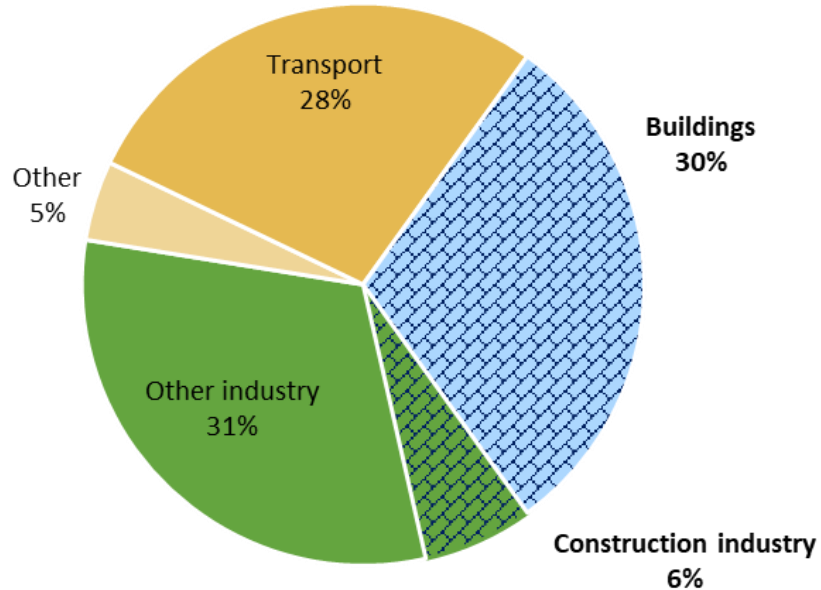
Global Alliance  
for Buildings and  
Construction

# Global Status Report 2017

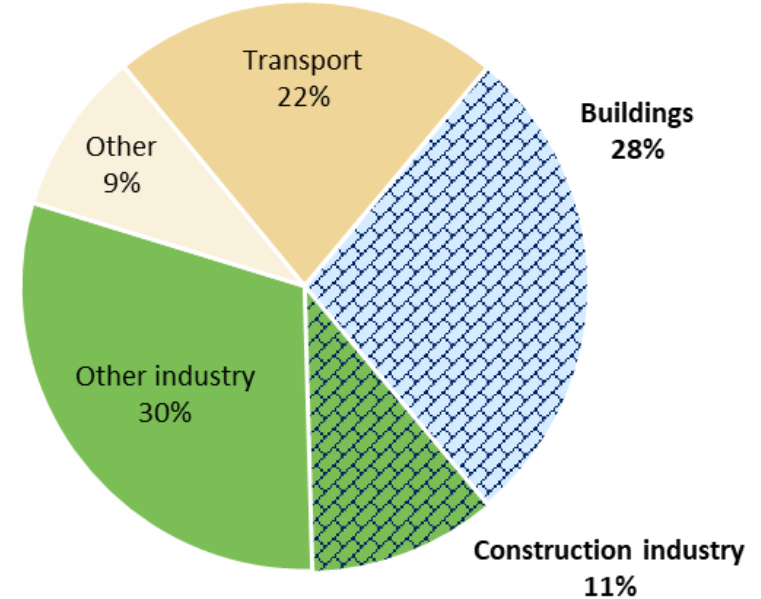


# Driving energy demand and emissions

Global final energy consumption  
by sector, 2015



Global energy-related CO<sub>2</sub>  
emissions by sector, 2015



**Buildings & construction are a major driver of energy demand and global CO<sub>2</sub> emissions.**

# A rapidly growing buildings sector

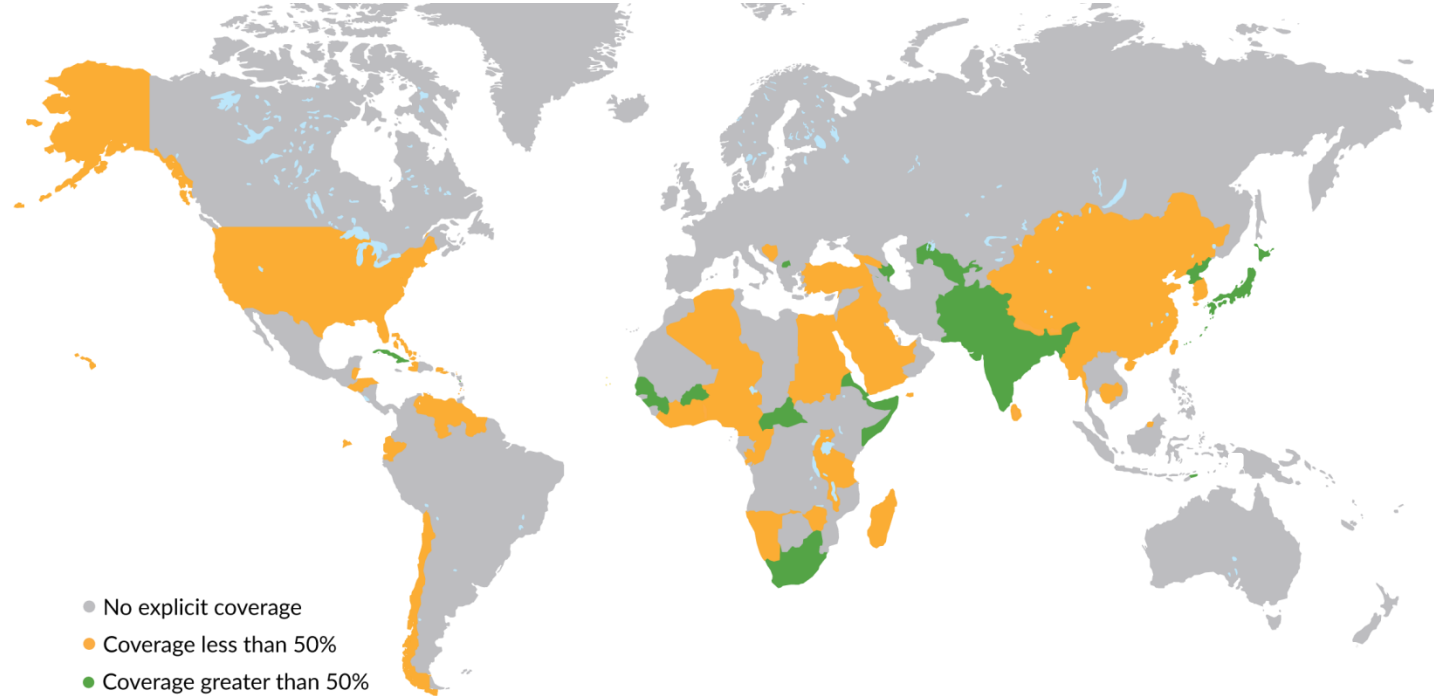
Global buildings sector floor area



**The global buildings sector is growing at unprecedented rates, presenting an enormous opportunity to cut energy bills, energy use and greenhouse gas emissions through efficiency improvements.**

# Need for more ambitious action

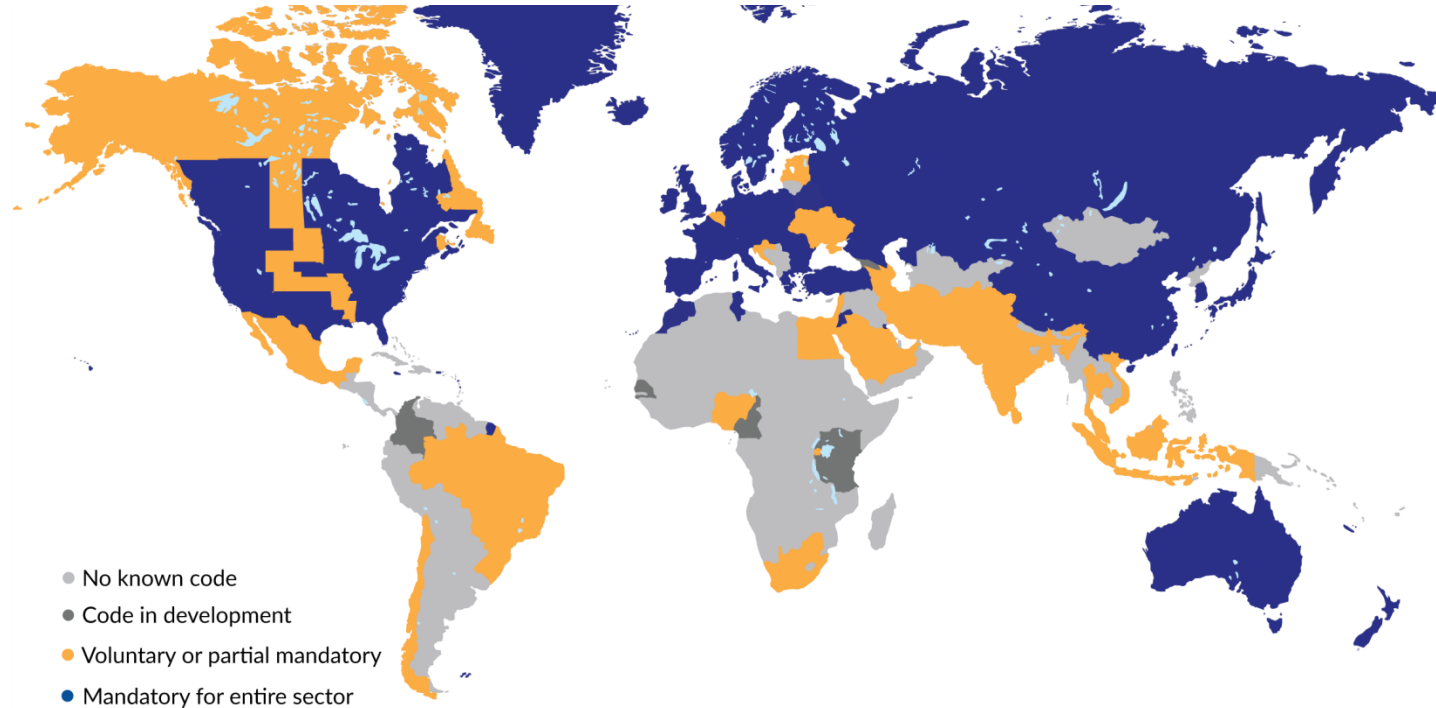
Buildings sector emissions coverage as per explicit intended actions in country NDCs\*



**Despite the buildings sector offering significant cost-effective GHG mitigation potential, it is not given adequate attention in most Nationally Determined Contributions (NDCs).**

# Building energy efficiency policy is weak

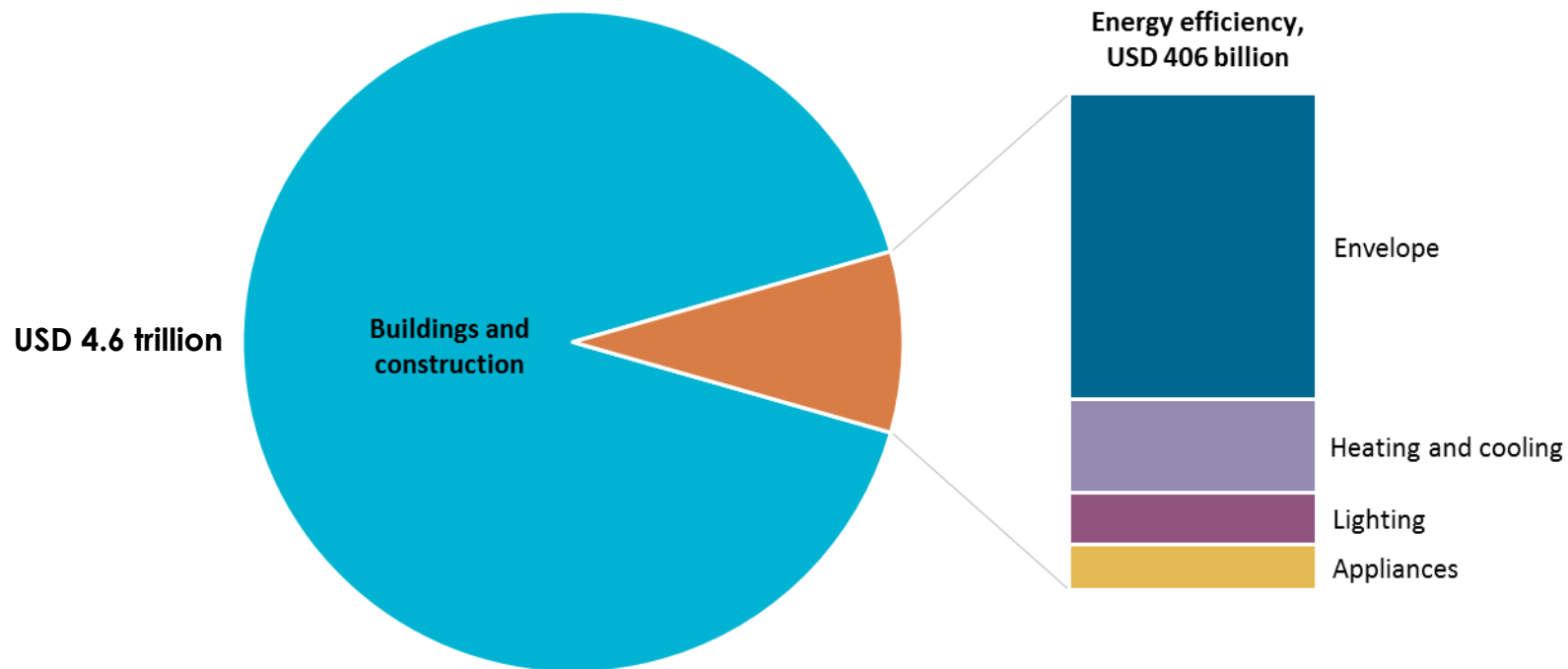
Building energy codes by country, state and province, 2016-2017



**Nearly two-thirds of buildings still do not have comprehensive mandatory building energy codes.**

# Energy efficiency investments in buildings

Global spending on energy efficiency in buildings, 2016



**Energy efficiency improvements represented less than 10% of the \$4.6 trillion invested globally in the construction and renovation of buildings in 2016 .**

# IEA engagement for a clean energy future



- The IEA's policy to 'open its doors' to emerging economies is reshaping global energy governance
- The IEA is bringing industry and governments together to foster dialogue and exchange best practice
- We have expanded our energy efficiency activities, targeting 'blind spots'
  - *Future of Trucks*
  - *Digitalization and Energy*
  - *Future of Cooling (2018)*
- Our new Clean Energy Transitions Programme supports sustainable energy policy implementation in key emerging economies



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