



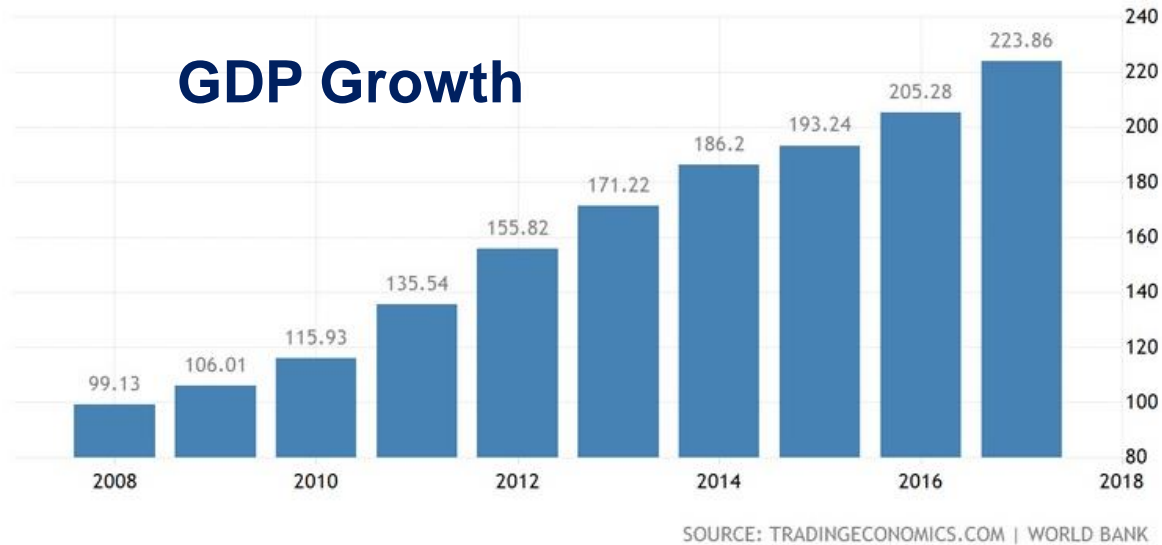
Singapore International Energy Week (SIEW)

LAUNCH: GlobalABC Regional Roadmap for Buildings and Construction in Asia

**Development of NDC Roadmap for Low-carbon and climate-
resilient Buildings and Construction Sector in Vietnam**

Strong urbanization and construction boom

GDP Growth



813 cities

- 2 special metropolitan areas
- 17 grade I
- 25 grade II
- 41 grade III
- 82 grade IV
- 628 grade V

Urban pop: 32.753 mil

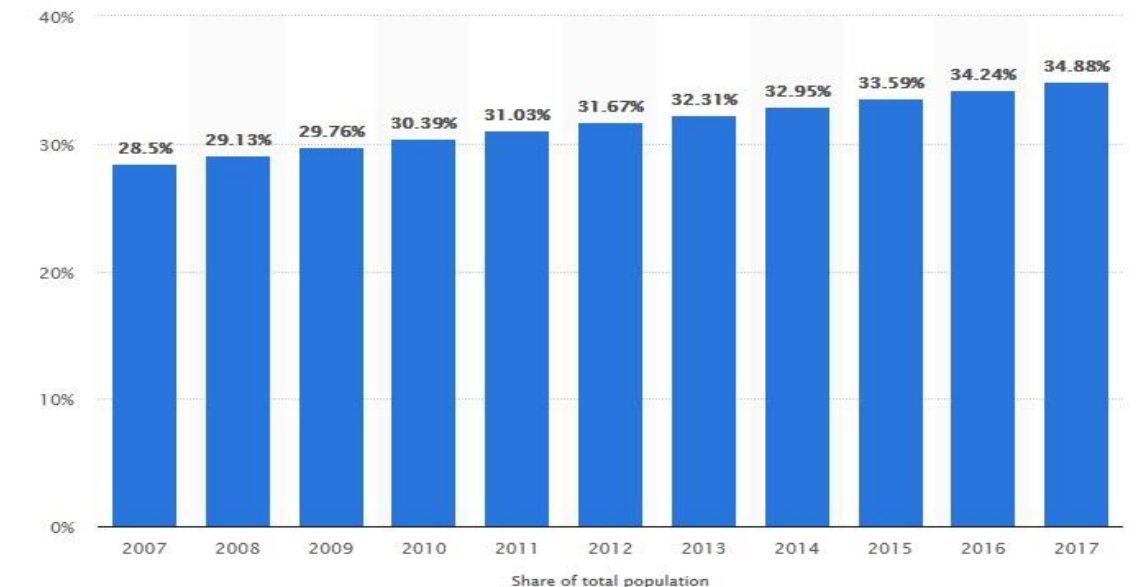
Urban rate: 35,7%

Average density: 1,888/km²

Urban land: 12,6%

Urbanisation

Vietnam: Urbanization from 2007 to 2017



Overall Strategy and Sectoral Governance

Government

Updating VSED/VGGS along side with SDGs 2030
VN GREEN GROWTH STRATEGY AND ACTION PLAN 2021-2030

Amendment of LAP/Construction Law/ Law on Housing



Construction Sector

Action Plan on Implementation of Paris Agreement in the Building Sector

Updating Energy Efficiency Building Codes/Amendment of Apartment Code/Review and Updating of Technical Infrastructure Codes/Review
Government Decree on Management of Construction Activities



Local

Green Urban Development Areas/
Eco-Smart Cities and Urban Environment Management

What is missing?

Policy: National energy efficiency standards for EE Codes Enforcement are to be consolidated and strengthen enforcement

➤ **Weak NDC climate targets:**
136 NDCs mention the building sector,
but lack concrete actions and targets



- **Knowledge:** expertise and knowledge for cost effective technologies penetration into the market; EE certification for buildings
- **Financing:** Investment cost vs. operation cost and lack of financial instruments

Vietnam – starting NDC implementation in the building sector

Building sector

- Fast-growing with **30% of total energy consumption**, mainly in **residential and commercial buildings**

NDC commitments

- **Until 2030** reduce GHG emissions by **11.84 Mio tCO₂e (8%)** and unconditionally by **37.83 Mio tCO₂e (25.7%)**
- **Vision for 2031 to 2050** to achieve **zero emissions from the construction industry by 2050**



Implementation of Paris Agreement in the building and construction sector

Ministry of Environment and Natural Resources (MONRE)

Prime Minister Decision No. 2053/QĐ-TTg (2016):
Plan to implement the Paris Agreement



Ministry of Construction (MOC)

Minister of Construction Decision No.967/QĐ-BXD (2020):
Action plan to implement Paris Agreement in period 2020-2030

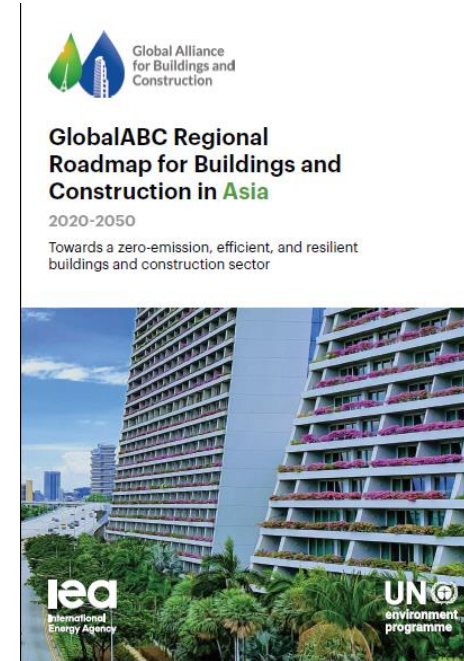
NDC Roadmap approach

Basis for structure

- GlobalABC Regional Roadmap for buildings and Construction Asia

Approach and objectives

- NDC Roadmap **translates** the NDC building sector targets into **tangible targets** and **measurable actions**
- NDC Roadmap identifies common **goals, targets and timelines** for key actions across **8 key “activities”** in Vietnam
- With this Roadmap, the Government will provide **orientation and guidance** to **key stakeholders**, academy and civil society
- The NDC Roadmap will be a **steering instrument**, subject to **regular revisions**, precisions and updates.



1. Urban planning

2. New buildings

3. Building retrofits

4. Building operations

5. Building Systems

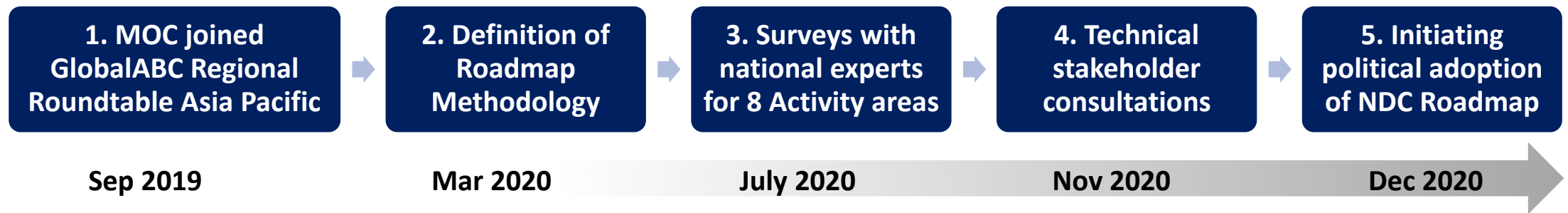
6. Materials

7. Resilience

8. Clean energy

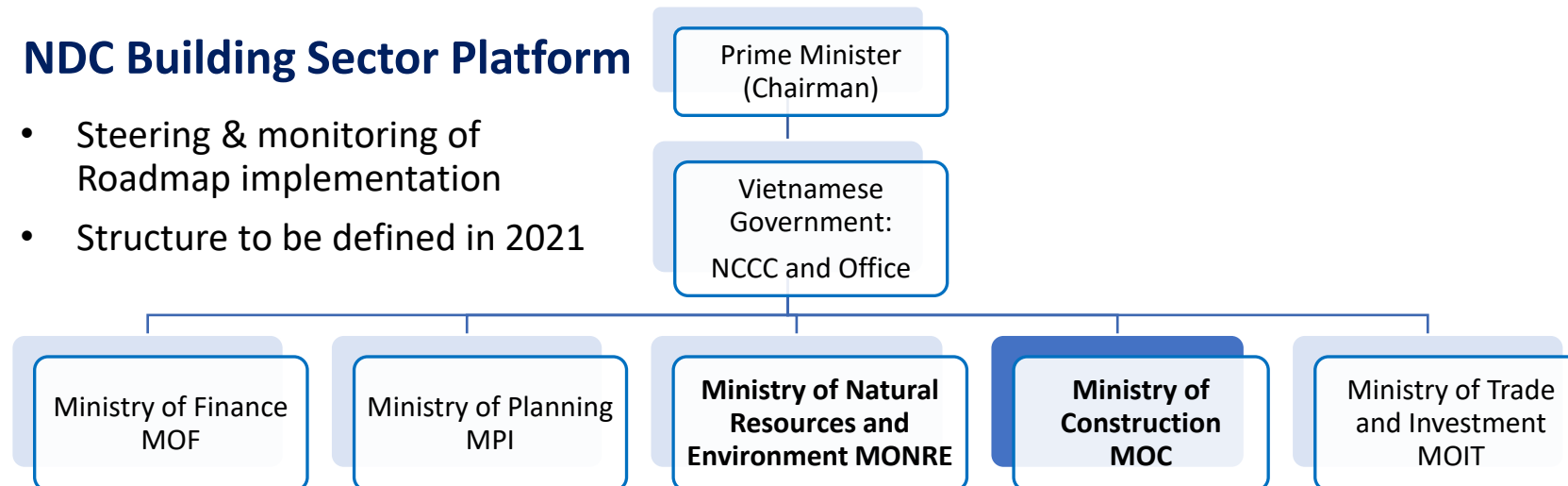
NDC roadmap development

Process



NDC Building Sector Platform

- Steering & monitoring of Roadmap implementation
- Structure to be defined in 2021



Challenges

- Excessive lack of data
- Setting common goals
- Interinstitutional coordination