Paris Agreement: carbon neutral society

New type of agreement based on:
• International governance
• Nation Determined Contributions
• Private sector and NGOs engagements
• Finance

International Partnerships in Building sector

World Total: 36262 MtCO₂
Building related GHG emissions: **9GtCO₂** *(around 20%)*
Not only directs *(boilers)* + but also indirects *(electricity: lighting, heating, cooling, ventilation.. & building materials and equipments)*

- **Floor area additions by 2060:** + 200 billions m²
  Paris floor area added every week, or Japan floor area added every year
  New buildings construction alone could release CO₂ in a magnitude close to the total amount left to stay under 2°C

- **Buildings asset:** 280 trillions USD *(x10 oil industry asset)*,
  First 100 REIT only 3%: not concentrated sector
  Building losses: 50% of losses in weather hazards (100-150 billions USD/y)

- **Floor area growth (2%/y) > Energy intensity reduction (1.5%/y)**

- **Market of Energy Efficiency in Building:** +120 billions USD
  Envelope share +50%
  Envelope 2/3 of the EE improvement potential
Launch of the Global Alliance for Buildings and Construction (GABC)
December 2015, COP21, Paris
Our Two Aims: **ambition & market transformation**

In the building sector

Raising ambition levels & Achieving market transformation
Diversity of members, the Strength of GABC:
27 Countries & 72 Organizations

G20 members: Argentina (env.), Brazil (city), Canada (NRC), France (MTES), Germany (BMWi), Japan (MLIT), Mexico (CONAVI), Russia (Housing), USA (DOE).

New members in 2018:
- Cote d’Ivoire, republic of Djibouti, United Arab Emirates
- CUES thinktank, Passive house Canada, RCREEE

Example:
IEA
INTA
MTES
ADEME
AFD
CSTB
Plan Bâtiment
Saint Gobain
Veolia
Construction21
OID
Energies2050
GABC Activities: 4 Pillars

- Tracking progress
  - Keeping the buildings and construction sector under review

- Common Vision
  - Forging a pathway to low-carbon buildings and construction
  - Global Roadmap
  - NDC guide

- Regional actions
  - Facilitating regional knowledge exchange
    - Regional Roundtables and Roadmaps

- Global Advocacy
  - Shaping the global agenda
    - High-Level Events and Local Alliances

GABC Publications

- GSR 2018
- GSR 2017
- GSR 2016

- next « cost and impact »
- NDC guide 2018
- Global Roadmap 2016

- COP 21-24 (buildings day)
- G20 Japan 2019, Argentina 2018
- HPLF SD NY 2017
- Habitat III Quito 2016
- ...
GABC Activity: 5 thematic Work area

- **Awareness & Education**
  - advocacy, reinforce capacity
    - Champions, network of communication experts, global Policy & solutions database

- **Public Policies**
  - national <2°C low carbon buildings strategy *
    - National alliances, roadmaps **, NDCs, adaptation recommendations

- **Market Transformation**
  - dev. affordable <2°C solutions
    - Science based target for the building sector ***

- **Finance**
  - mobilise climate & private finance for EEB *
    - Collaboration EEFTG, launch of assistance programme PEEB

- **Building Measurement, Data and Information**
  - share a common language
    - Building passport, Surface measurement

*) IPEEC collaboration  
**) IEA collaboration  
***) WBCSD collaboration
Partnerships for buildings transition: National alliances

Key recommendations:
- strong leadership
- clear goal
- light structure
- close relation with public authority
- full inclusiveness
- regular communication

Examples (not exhaustiv):
- Alliance Marocaine du Batiment pour le Climat (2016)
- Plan Batiment Durable (France, 2009)
- Alianza Global para los Edificios y la Construcción (Mexico, 2018)
- Alliance Tunisienne Bâtiments et Construction (Tunisie, 2019)

Partnership with building professionals:
Builders (contractors, craftsmen), designers (architects, engineers), industry & retail (materials, equipements), property owners (private, public), services companie (ESCo, facility manager, developers, lawyers), finance (investors, banks)

Launch of the Mexican Alliance for Buildings and Construction, Mexico, June 2018
France strategy – new buildings < 12 kWh*
Diversity of members, the Strength of GABC: 
27 Countries & 72 Organizations

- 27 Countries
- 10 Local Authorities & networks
- 11 IGOs
- Finance
- 21 Companies & networks
- 36 NGOs

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Example:
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