Earth Construction Technology

Use of Compressed Stabilised Earth Blocks (CSEB) as a building material for climate change adaptation

By: Yai-Fatou Gaye,
Vice President, Earth Builders’ Association,
The Gambia.
Earth Builders’ Association (EBA)

- **EBA Goal:** Sustainable Construction
- **EBA Members:** Construction Contractors committed to using and promoting earth technology, especially CSEB
- **CSEB:** Response to environmental problem => reduces: coastal erosion + construction carbon footprint
Buildings Constructed using CSEB

Private Residence; Picture: Earthworks Co.

Private Residence; Picture: Gayfa Co. Ltd

MOH RCH Outreach Clinic; Picture: Mass Ent.
Capacity Building & Technology Transfer

- Training from Auroville Earth Institute in India on the production and use in construction of CSEB
- Step down training by EBA Members to local population (youth + women)
- Technology Transfer through importation of block press machines from India.
- All aspects of this cooperation are fully sponsored by ITC through an MOU with EBA
CHALLENGES

- Continued widespread use of cement and reinforced concrete technology gives the impression that it is the superior technology.

- Lack of major public sector projects promoting the technology.

- Lack of Public Sector Policy to encourage the use of CSEB; for e.g. in land use plan for 2020 - 2040 => projected need of 255, 582 households.
THANK YOU!