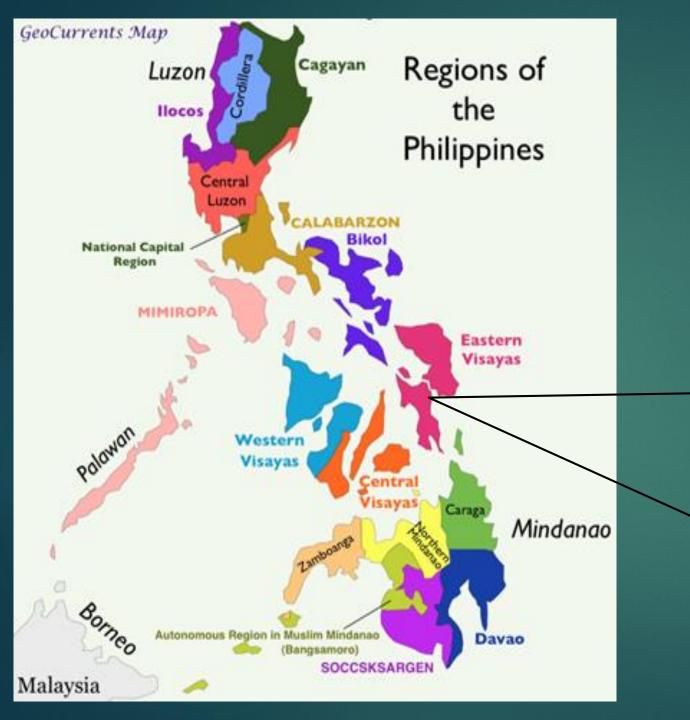
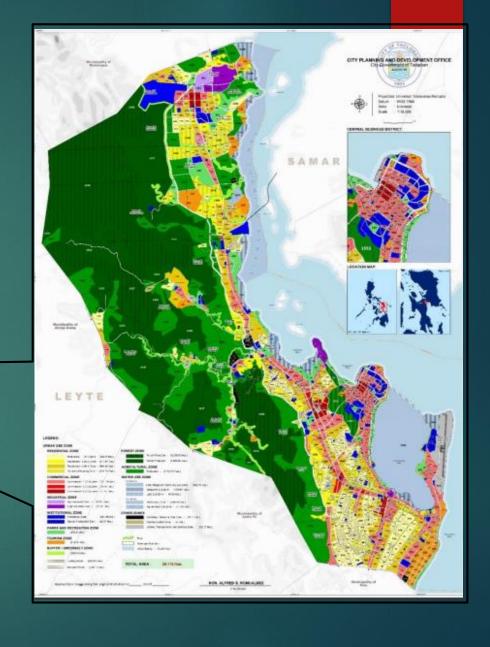
LOCAL GOVERNMENT INITIATIVE TO RESTORING MANGROVE FOREST AFTER SUPER TYPHOON HAIYAN

INTERNATIONAL CONFERENCE ON FOREST AND LANDSCAPE RESTORATION PROJECT

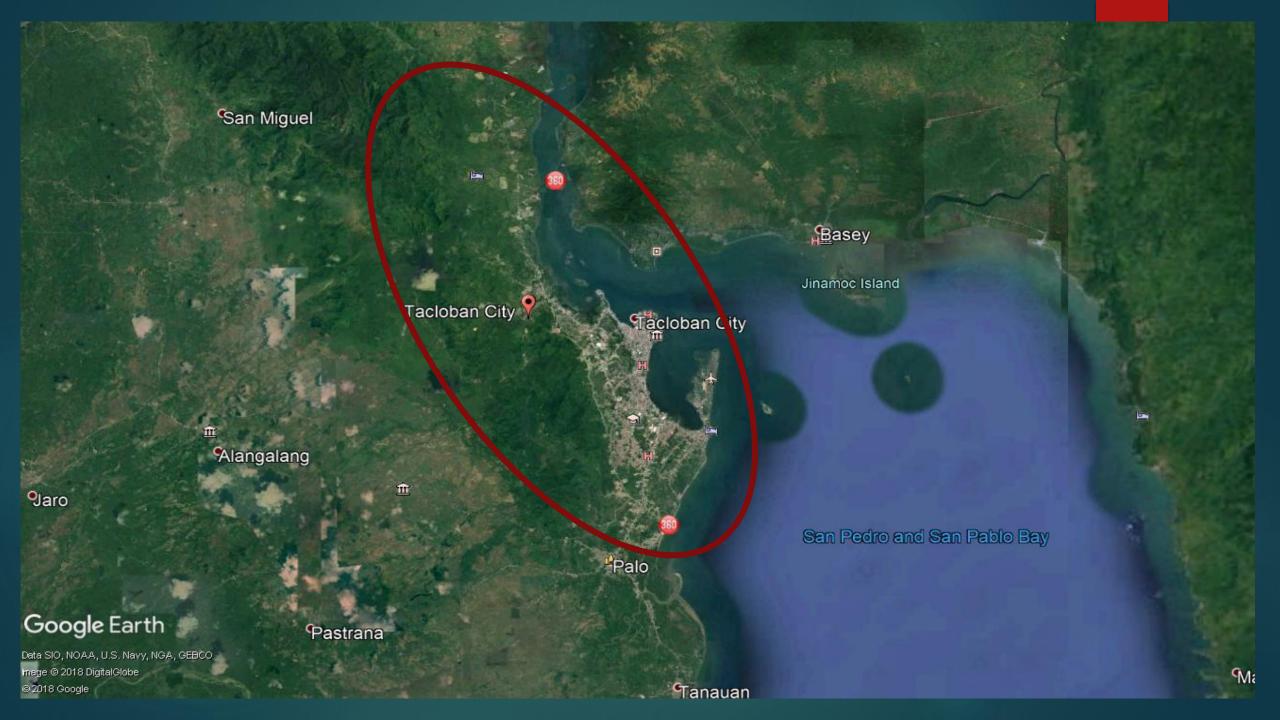
New World Hotel Makati City February 25-27, 2019





Environmental quality issues:

- ✓ Deforestation and soil erosion in upland and mangrove forest
- ✓ Unsustainable farming systems
- ✓ Increase migration and pop'n growth in coastal areas
- ✓ Improper disposal of domestic waste and industrial effluents
- ✓ Unsustainable fishing practices
- ✓ Disposal of waste from ports and harbors
- ✓ Conversion of coastal areas thru reclamation for commercial, tourism functions and among others









Damaged mangrove in Brgy. Anibong (Rhizophora and Avicennia sp.)

Damaged mangove in Brgy. Paraiso (Rhizophora sp.)









The aftermath of typhoon Yolanda in Brgy. 75, San Jose, Taclobn City: 65-70% damaged

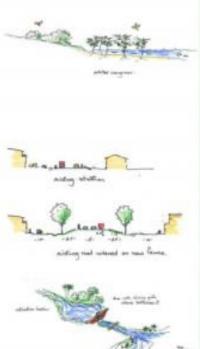




Impact of typhoon Yolanda and rampant extractions and harvesting of mangroves in Barangay 83: 90-92% damage









Coastal Protection Strategy

City of Tacloban and Municipality of Palo



Philippine Reclamation Authority



Royal HaskoningDHV



Deltares



Arcadis



Wetlands International



Red Cross



Rebel Group



Van Oord



Financed by the Government of the Netherlands



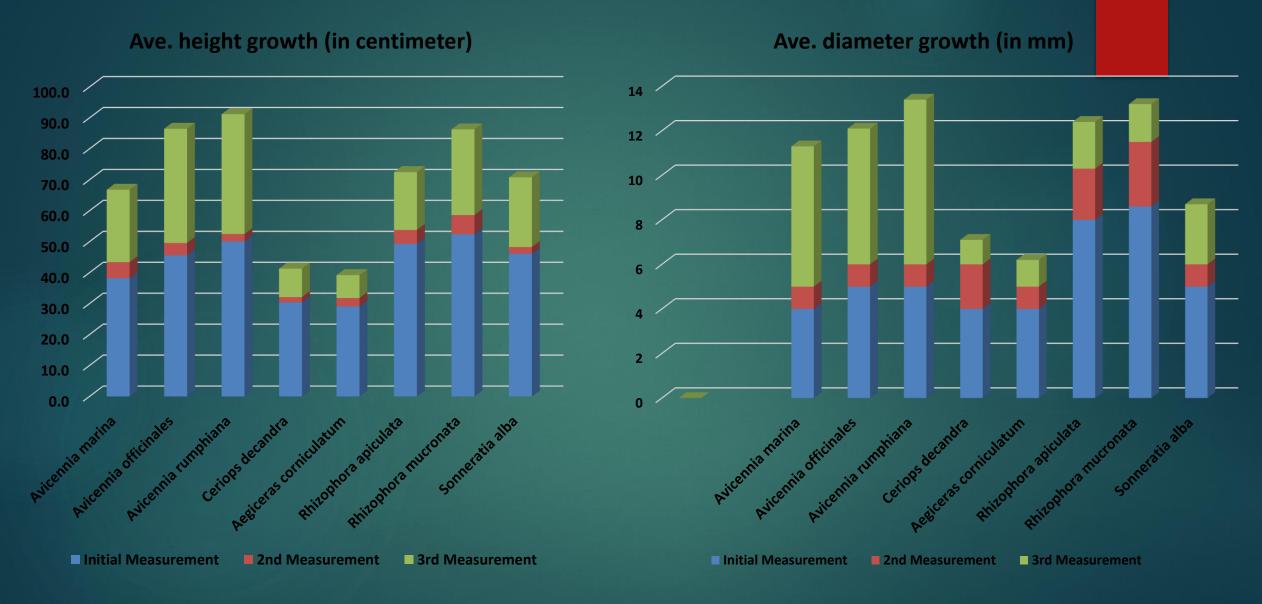








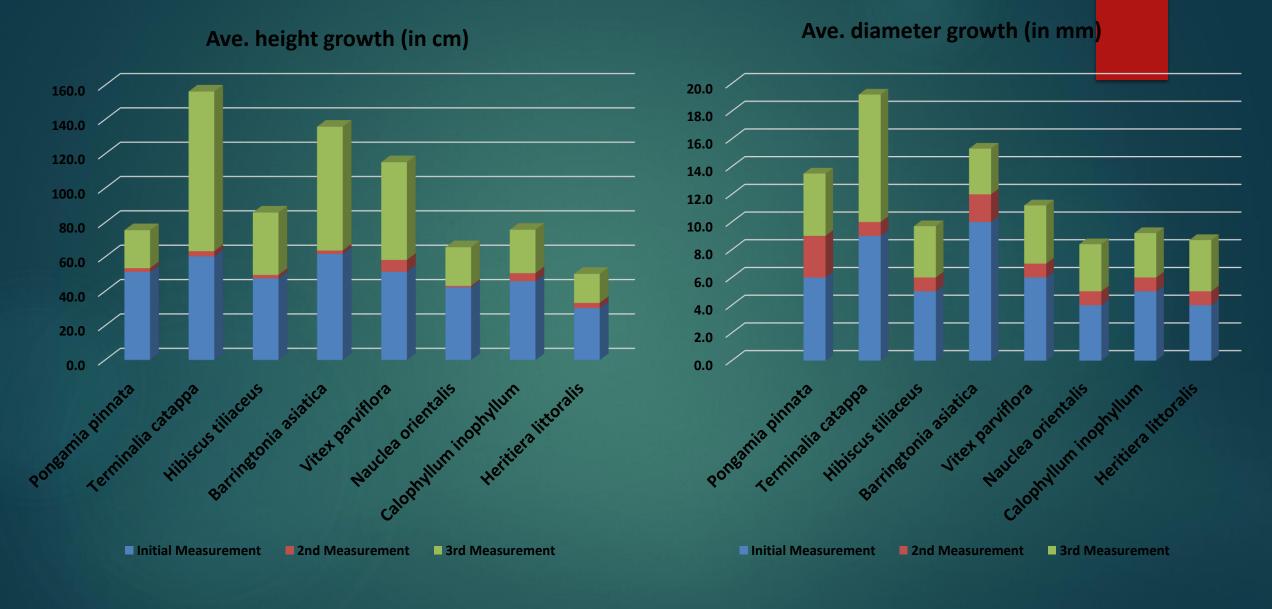




Mangrove species







Beach forest species





















The end...