



Mangrove restoration issues

Many restored and created wetlands are not becoming functionally equivalent to their natural counterparts.

Lack of research at restoration and creation sites that helps to identify successful/unsuccessful practices, and refine our understanding of wetland successional processes and functioning.

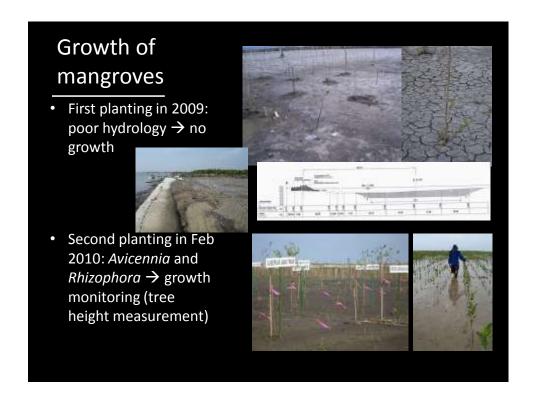
Study site: Porong, East Java, Indonesia

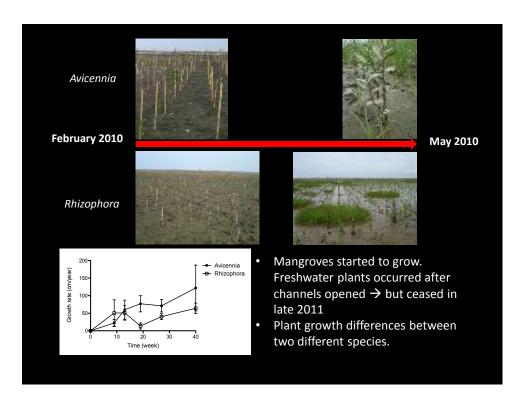
Extensive mangrove conversion to fish or shrimp ponds, pollutants from the upstream.

Reason for created wetland construction: utilizing dredge spoils constructed in related to volcanic mud (LUSI) disposal since 2008.

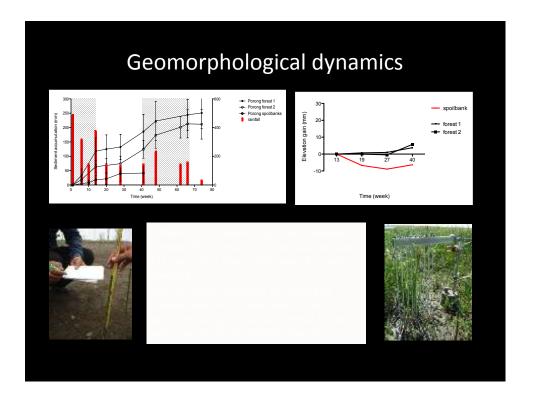












Conclusions and Recommendations

- Mangrove ecosystems appeared to establish after appropriate hydrological regimes were in place.
 Different in sediment dynamics between created and natural wetland due to the type of created wetland.
- We suggest that the hydrological regime is important in determining vegetation establishment and is key in determining the success of mangrove wetland development.

