















LIVING LAB WATER MEKONG DELTA

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WHY LEARNING BY DOING?

Society is facing major challenges among others in the field of climate change, health, safety and our environment.

New structures are needed to address the major societal questions. Structures in which governments, companies, knowledge institutions and local people work together with co-responsibility on the development of innovative concepts, processes, services and products.

A form for this collaborative 'learning by doing' process is offered by the living lab concept.



LIVING LAB?

Open innovation system for creation, prototyping, validating, and testing of new technologies, services, products and systems in real-life contexts.

Based on public-private-people partnerships (4Ps or quadruple helix) of companies, NGO's, knowledge institutes, and users, all collaborating.

Often linked to a location, region.



LIVING LAB WATER MEKONG DELTA

SOME TOPICS

- Water security (access to clean water)
- Flood protection (building with nature, flood adaptation, storm water management, coastal zone-and river basin management, climate resilience)
- Water pollution (water treatment, sanitation, retrieval of nutrients, biogas)
- Assessment the water quality and flow regime changes under climate change and human activity impacts in the Mekong Delta development of eco-tourism
- City groundwater usage: quality and quantity
- Impacts of intensive aquaculture cultivation
- Plastic litter removal from surface water and up-cycling



WHAT IS THE LLW MD LOOKING FOR?

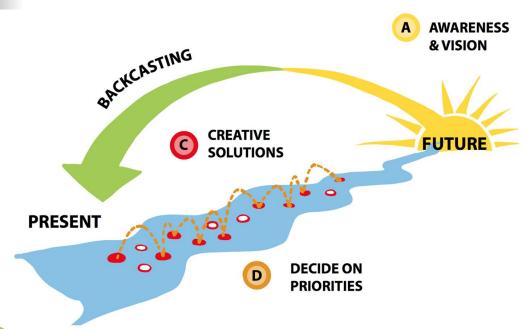
The Living Lab Water Mekong Delta is looking for companies and NGO's that would like to join by:

- Offering internship positions to students
- Facilitating students and researchers by sharing knowledge, facilities, etc.
- Joining and collaborating in applied research
- Financially or otherwise support the Living Lab Water





ABCD ROADMAP FOR CO-CREATION



The ABCD roadmap guides the participants of the Living Lab Water to the desired outcome: the solution to a specific water problem should be in line with the principles of the circular economy.

B BASELINE ANALYSIS

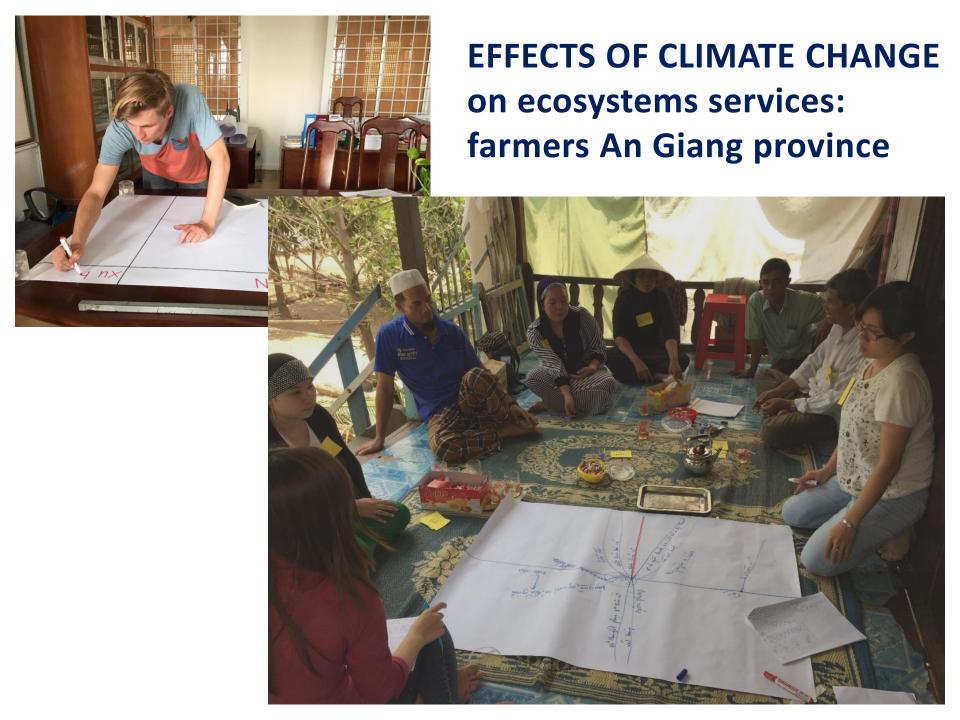
PLACE: anywhere in the multiple R strategy

ROLE: knowledge facilitator, via (re)designing, testing and

monitoring















Can Tho University: Current waste management

An observation and overview of how the waste is currently being managed within the Can Tho University Campus.

During the analysis of the Can Tho University Campus area, regarding the current waste management, the following can be concluded:

- Many containers are placed in unfitting locations.
- Containers are mostly place in groups of more than two containers.
- Many containers are overfull, resulting in littering of waste.
- Waste is not separated (plastic, organic, paper and rest waste),
- 5) Waste is being set on fire,
- At some important locations there are no containers at all, such as parking areas.
- A lot of the waste is littered around the campus site, resulting in pollution of the environment

From these points can be concluded that the current status of waste management within the campus is not optimal. Which is why it is required to optimize its current waste management, by distributing the waste collection containers correctly, making sure the waste is collected overtime, seperating the waste for the purpose or recycling, and dearing up the littlered waste.

These measures could overall contribute to the sustainable development of the Can Tho University and ultimately the whole of Can Tho.



A long street with locations to sit and relax but no place to rid trash. If one or 2 trash bins could be placed here it could make a tremendous difference. With also making sure the littered waste is collected and processed.



Trash bins are provided. However, they are either not distributed properly. Or set up properly. Resulting in unnificient use of the waste collection





PREVENT WATER POLLUTION circular approach for plastic litter





https://www.youtube.com/watch?v=hD7Hvvrv47w