

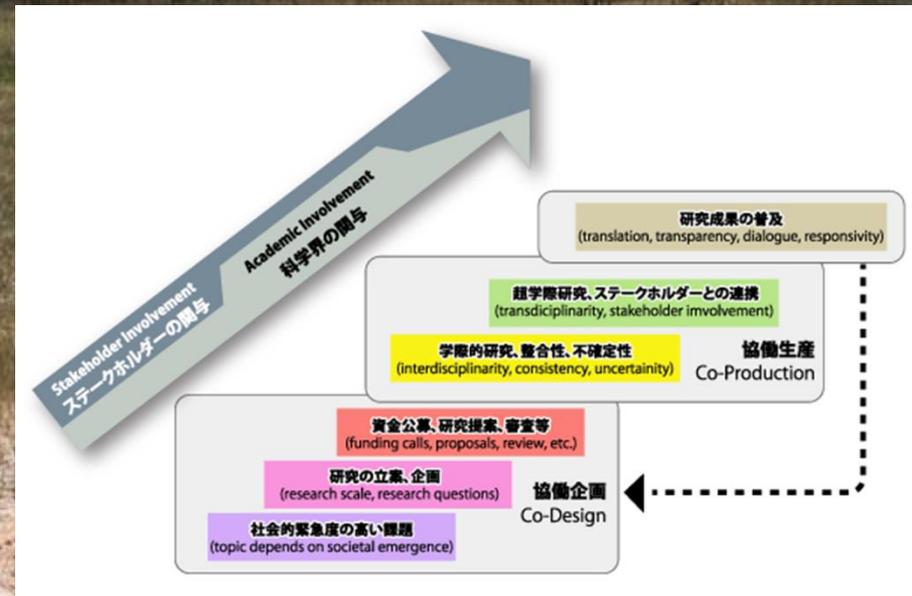
Building transdisciplinary network and controlling uncertainty of societal implementation of scientific technology toward achievement of SDGs

~ from October, 2016 ~

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Soil salinization in Khon Kaen, Thailand

Not easy to apply conventional desalinization technique due to cost and natural conditions



Transdisciplinary study is needed to solve the earth environmental problems (SDGs, Future Earth)

Purposes:

- / Build T.D. network
- / Introduce desalinization sheet

Building transdisciplinary network



Farmer



Farmer



NGO



Municipal office



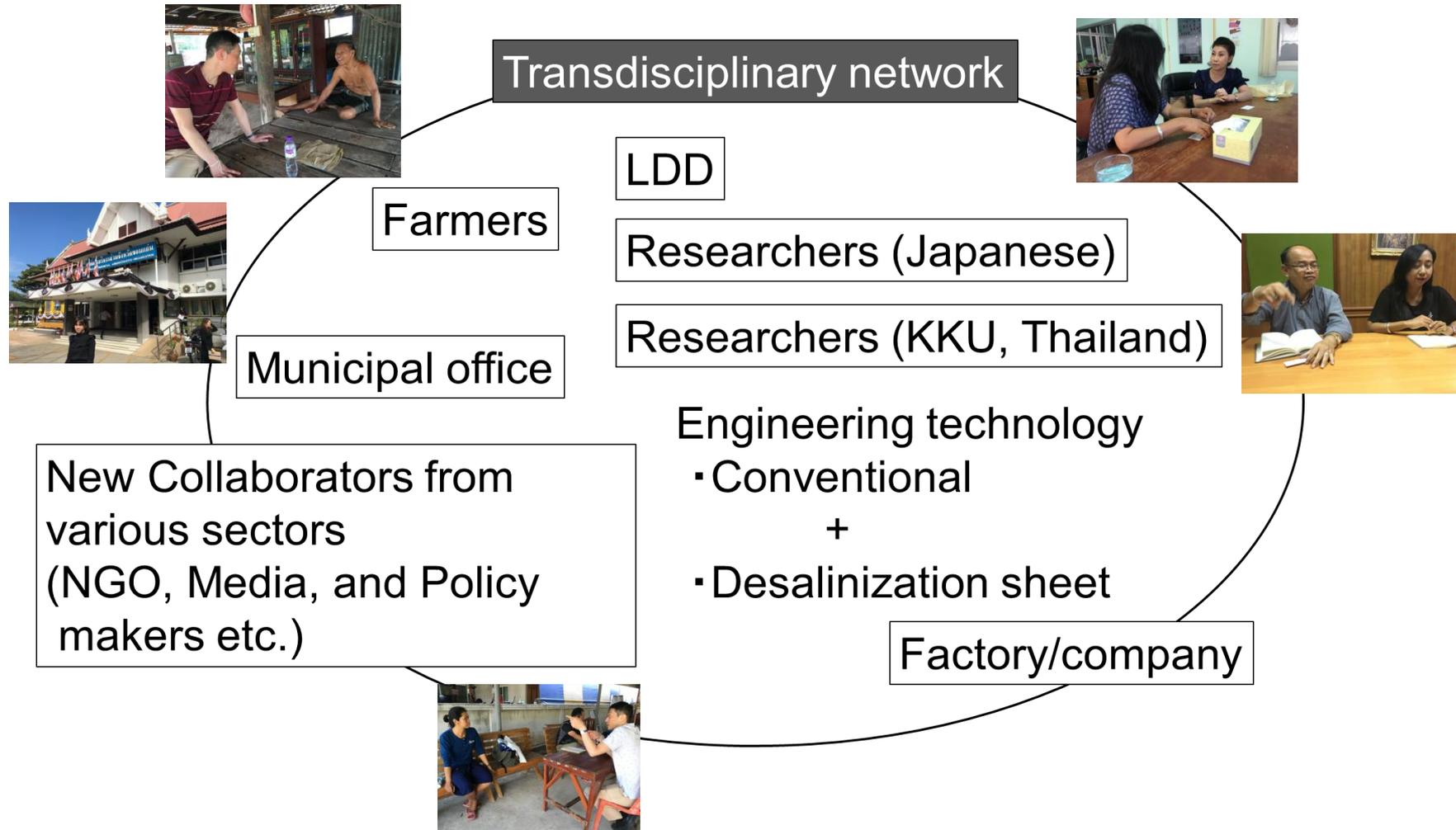
LDD (Land Development Dept.)



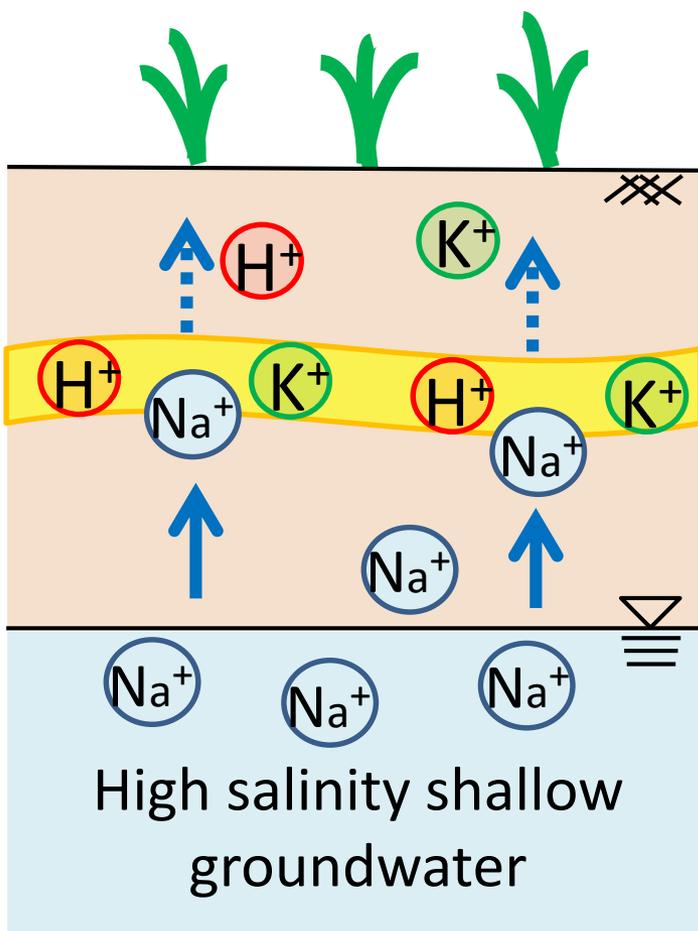
KKU (Khon Kaen Univ.)

Participation of stakeholders from various sectors to project

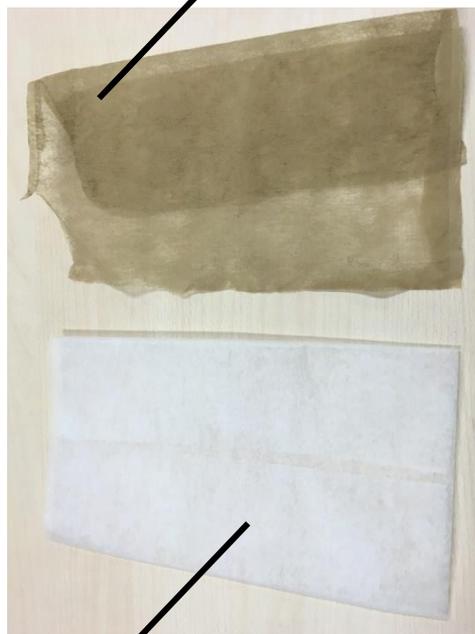
Transdisciplinary network for tackling environmental problem



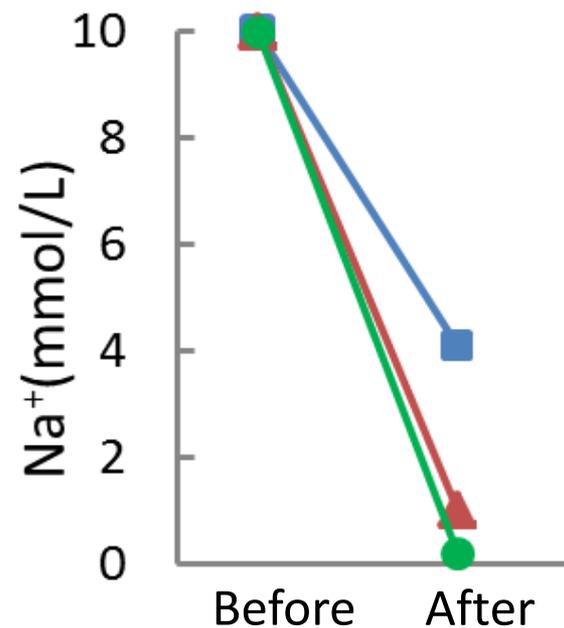
Development of saline soil using desalinization sheet with conventional technique



Non-woven desalinization sheet

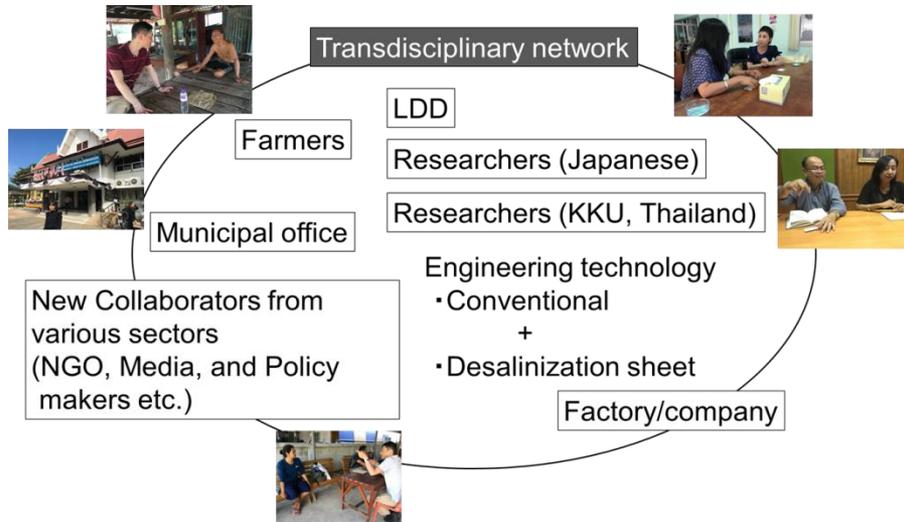


Non-woven sheet



Result of batch test

Expected outcomes and social implementations



- Expand and activate transdisciplinary network
- Development of various functional non-woven sheet
- Mass production of the sheets for;
 - / Soil development
 - / Water security
 - / Environmental conservation
- Solve regional salinity problem in Khon Kaen through collaboration of stakeholders