Overland Flow Management to Increase Drought Resilience

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Vision

HII's community water resource management by using telemetry weather station, rainfall forecast model, water redirection structures & underground water recharged system to efficiate and sustain water management from regional to community level.

Issue to solve

- To solve flood and drought problem at the community level
- It will be beneficial to local people who live in affected areas

Technology features

- Telemetry weather stations to monitor rainfall and extreme weather.
- HII's telemetry weather stations, developed from NARO Japan since 2003, is high accuracy and low cost. It can be integrated with forecast rainfall products to perfect water related managment. It can support drought risk management through effective and efficient underground water recharge.
- The technologies are 100% readiness to expand to interesting partners.

Possible implementation

- HII's technologies and innovations could be employed in water management including agriculture, irrigation, early warning and disaster (flood and drought related) management sectors.
- Our target user would be farmers, local stakeholders, and water related agencies.
- HII is seeking for partnership for funding and collaboration.
- The scale of market would be within ASEAN and beyond