

Assessment of Groundwater Quality and Quantity in Remoted Area for Community Utilization. Case study: Savannakhet Province, Lao PDR

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Vision

What will the technologies realize?

to provide improved access to water supply and basic sanitation in selected communities rural and urban communities of Savannakhet province in an economically, socially and environmentally sustainable way.

Issue to solve

What are the problems? The government's goal in the water supply sector is to provide a 24h/d access to safe pipe water supply for 90% of the urban population by the year 2030.

Who has those problems? Villages of the project area have currently population of 4.468 people with expected number of 7.709 people by the year 2041.

Technology features

- Novel features: Local material and fabricated treatment processes
- Comparison with other competitive technologies: Low cost operation and maintenance
- Technology Readiness Level(If any): Community based operation

Possible implementation

- In which industry can this technology be employed? Community and rural water supply and sanitation sectors
- Who are the target users? Rural populations and drought affected areas
- What sort of partnership are you seeking? Research institutes, INGOs, water supply sectors
- How large will the market be?