

# Appropriate Technology in Water Supply & Sanitation in Developing Countries

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## Goal of Lecture:

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- Knowledge of basic definitions of technology and feasibility of change in the social context
- Appreciation of the situation in Water&Sanitation Sector in rural areas of developing countries, capability for critical reflection of technology transfer
- Appreciation for impact of socio-economic and cultural context for infrastructure planning process, construction, operation and maintenance and resource management
- Knowledge of instruments for developing appropriate
- Knowledge of tangible implementation of appropriate technology in developing countries

## Topics:

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### Introduction

- Basic definitions and considerations (Technology, adaptation, socio-economic-cultural context in developing countries, sustainable development)
- „A journey to rural area of a partner country “: a feeling for the reality
- Critical reflections

### Instruments of adaptation

- Participative Rural Appraisal (PRA)
- System analysis
- SWOT analysis

### Water Supply and Sanitation

- Water and Health
- Water supply and sanitation technology
- Emergency supply

### Practical Examples

- Projects/ programmes for Water supply and Sanitation in rural areas in Zambia, Kenya, Uganda, Mozambique, Palestine

### Literature, Web Sites