



World Bank / ESMAP Support to Geothermal Data Management

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ESMAP

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ESMAP's Planned Work on Geothermal Data Management

- Preparing to launch activity before the end of the year
- Holistic Sector Approach
- Complementary to Ongoing Donor Support to the Sector
- Collaboration with the Government of Iceland
- Three Phase Approach
 - Definition of Industry Best Practices for Geothermal Data Management
 - Pilot TA Projects in Developing Countries
 - Rollout of a TA Solution to be Integrated into WB Investment Projects

Scope

- **Types of Geothermal Data**
 - Exploration
 - Development
 - Production
- **Data Management Practices in Advanced Geothermal Markets**
 - What data collected?
 - How stored (format, software, hardware)?
 - How used?
- **Beneficiaries / Users**
 - Developers
 - Governments

Approach: Phase 1 – Definition of Best Practices

- **Geothermal Data Management in Iceland**
 - Types of data
 - Secure data storage
 - Visualization and other uses
 - Data submission to Government Entities
- **Comparative Analysis Including Other Advanced Markets**
 - E.g. USA, New Zealand, Japan, Italy, Netherlands, France
- **Definition of Industry Best Practices –Benchmarks**
- **Definition of a Gap Analysis to Underpin Geothermal Data Management TA**
 - Needs of Developers
 - Needs of Government Entities
 - Regulatory issues clarifying data submission to Government Entities

Approach: Phase 2 – Pilot TA Projects in Selected Countries

- **Pilot TA Projects Prepared for 2 Countries**
 - Proven Geothermal Resources
 - Active WB Engagement in Geothermal
 - Work with Government Entities and Public Sector Developers
- **Gap Analysis Based on Industry Best Practices**
 - Data Collection
 - Data Storage and Use (hardware and software needs)
 - Training Needs
 - Regulatory Amendments
- **TA Implementation**
 - Software/Hardware Procurement
 - Training (Data Collection/Data Management/Use)
 - Consultancy on Regulatory Framework

Approach: Phase 3 – Preparation of a Standard TA Package

- Analyze Lessons Learned from Phase 2
 - Refine Gap Analysis
 - Prepare Guidelines for Implementation
- Share Findings with the Sector
 - Industry Best Practices
 - Lessons Learned from Pilot TAs
 - TA Guidelines
- Integrate Financing of Geothermal Data Management to World Bank Geothermal Projects

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Thank You.

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