

Capacity Development and Research

Levan Mtchedlishvili
Energy Specialist
Asian Development Bank

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Objective

- Agree on capacity development and research topics for the next 12 months.
- ESCC to develop capacity development program and implement in ESCC

Modalities for Capacity Building

- Presentations by expert speakers
- Specific research activities
- Study tours

Potential Topics – Pillar 1

- Cross-border CDM
- Regional transmission organizations
- System planning and optimization software
- PPP in transmission projects

Potential Topics – Pillar 2

- Regulatory framework
- Power purchase agreements
- Regional energy trade models
- Ancillary services
- Energy trade & grid management compliance system
- Further introduction of regional power trade examples

Potential Topics – Pillar 3

- Joint hydropower investments on international rivers
- Institutional arrangements for operations monitoring
- Multi-purpose management of reservoirs
- Managing for increased hydrologic variability
- Decision science tools for complex resource management

Potential Topics – Others

- Renewable energy strategy
- Energy efficiency & Demand side management
- Smart grid & Smart metering
- Modernization of combined heat and power systems
- Primary energy resources in Central Asia

ESCC Approved Topics

| Topic | AFG | AZE | KAZ | KGZ | MON | TAJ | UZB |
|---|-----|-----|-----|-----|-----|-----|-----|
| Pillar 1 | | | | | | | |
| Cross-border CDM | | | | | | | |
| Regional transmission organizations | | | | | | | |
| System planning and optimization software | | | | | | | |
| PPP in transmission projects | | | | | | | |
| Pillar 2 | | | | | | | |
| Regulatory framework | | | | | | | |
| Power purchase agreements | | | | | | | |
| Regional energy trade models | | | | | | | |
| Energy trade & grid management compliance system | | | | | | | |
| Ancillary services | | | | | | | |
| Further introduction of regional power trade examples | | | | | | | |

