

REGIONAL WORKSHOP ON RENEWABLE ENERGY IN CENTRAL ASIA

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Stakeholder mappings: Main findings of gap analysis

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RE in Central Asia

Donors & development banks support

2005-2016

Limited number of donors and development banks have been providing support to renewable energy development in the region.

Total of 1.02 Billion USD

(preliminary data and excluding projects which cover other than RE)

Regional collaboration

- EU, UNECE, UNESCAP, NREL (starting)

Policy & regulatory assistance (country-based)

- ADB, UNDP, GIZ, USAid (planned), EBRD, IFC

Other technical support

- Data: UNECE/REN21, UNESCAP, IEA, GIZ
- Water/Energy: WB, UNECE, GIZ
- Energy efficiency: Energy Charter
- Mapping: UNDP

R&D

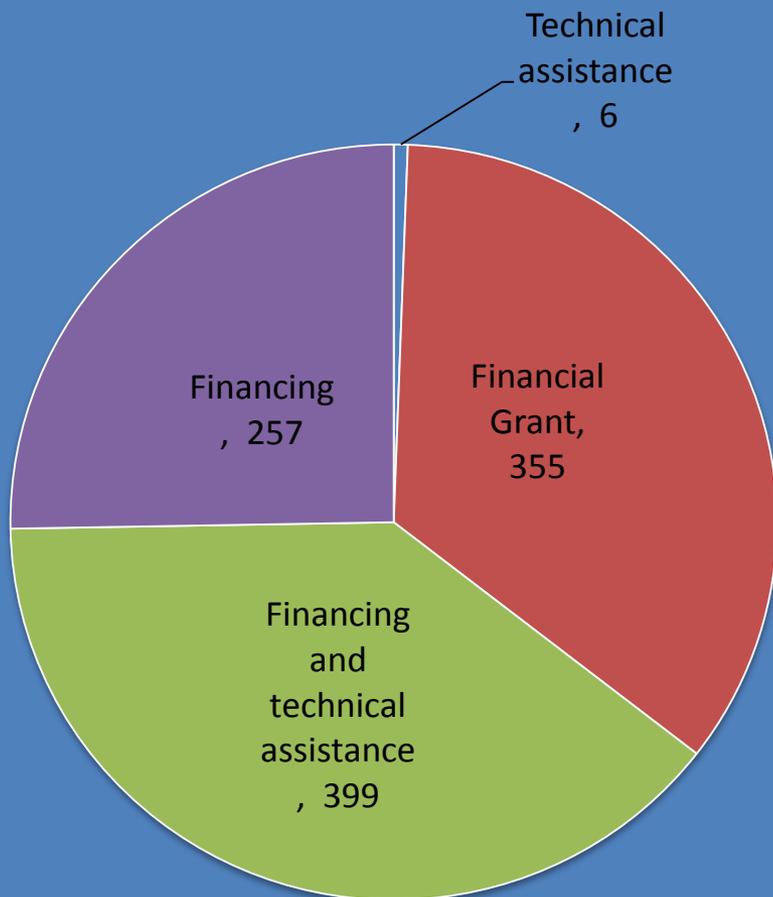
- ADB (Uzbekistan)

Investments Grants

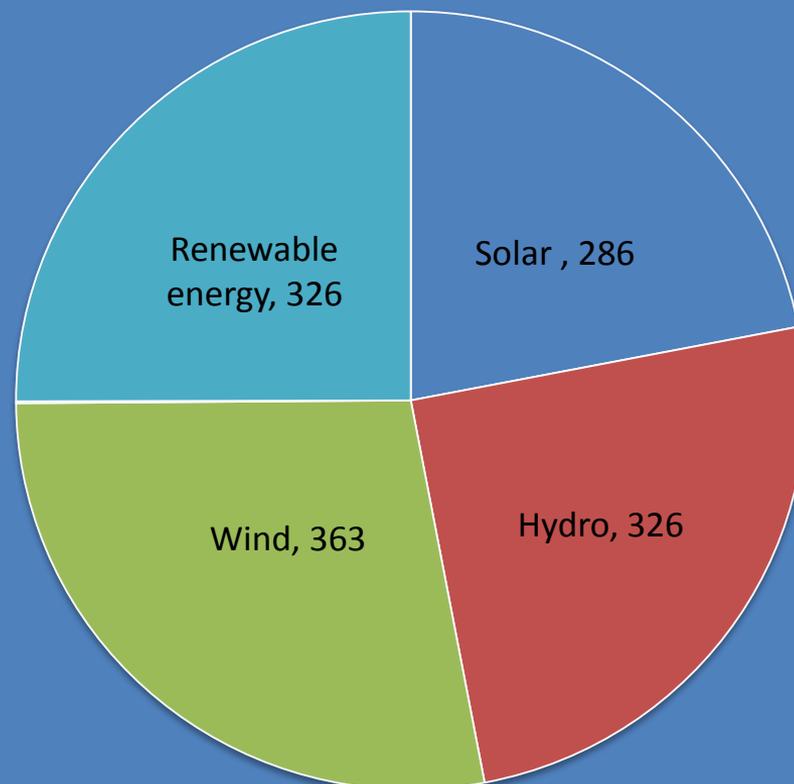
- CIF, EBRD, EIB, EDB, WB, AIIB (planned for large hydro)
- GEF

Breaking down the support (Million USD)

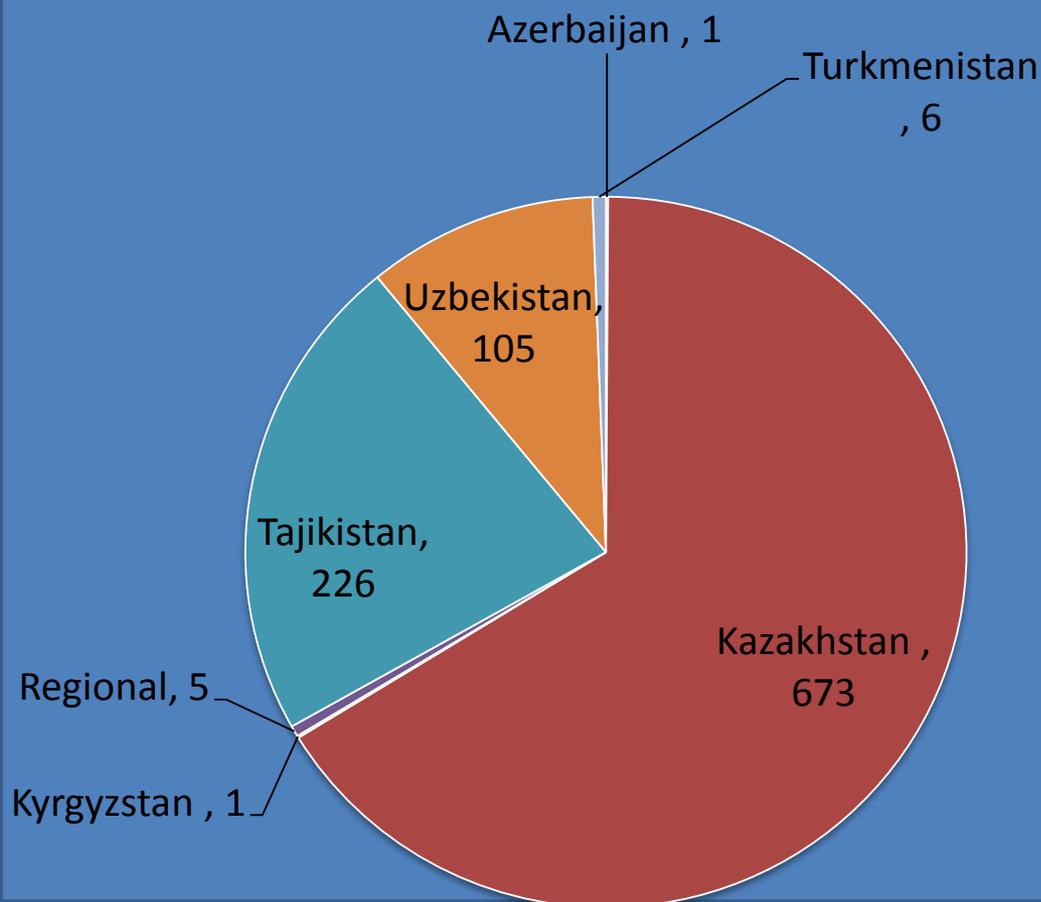
TYPE



TECHNOLOGY



Regional vs. Country support (Million USD)



Additional regional projects

(not yet included in the overview):

GIZ: Capacity Development for Climate Policy in the Western Balkan, Central and Eastern Europe and Central Asia (REN21 UNECE reports)

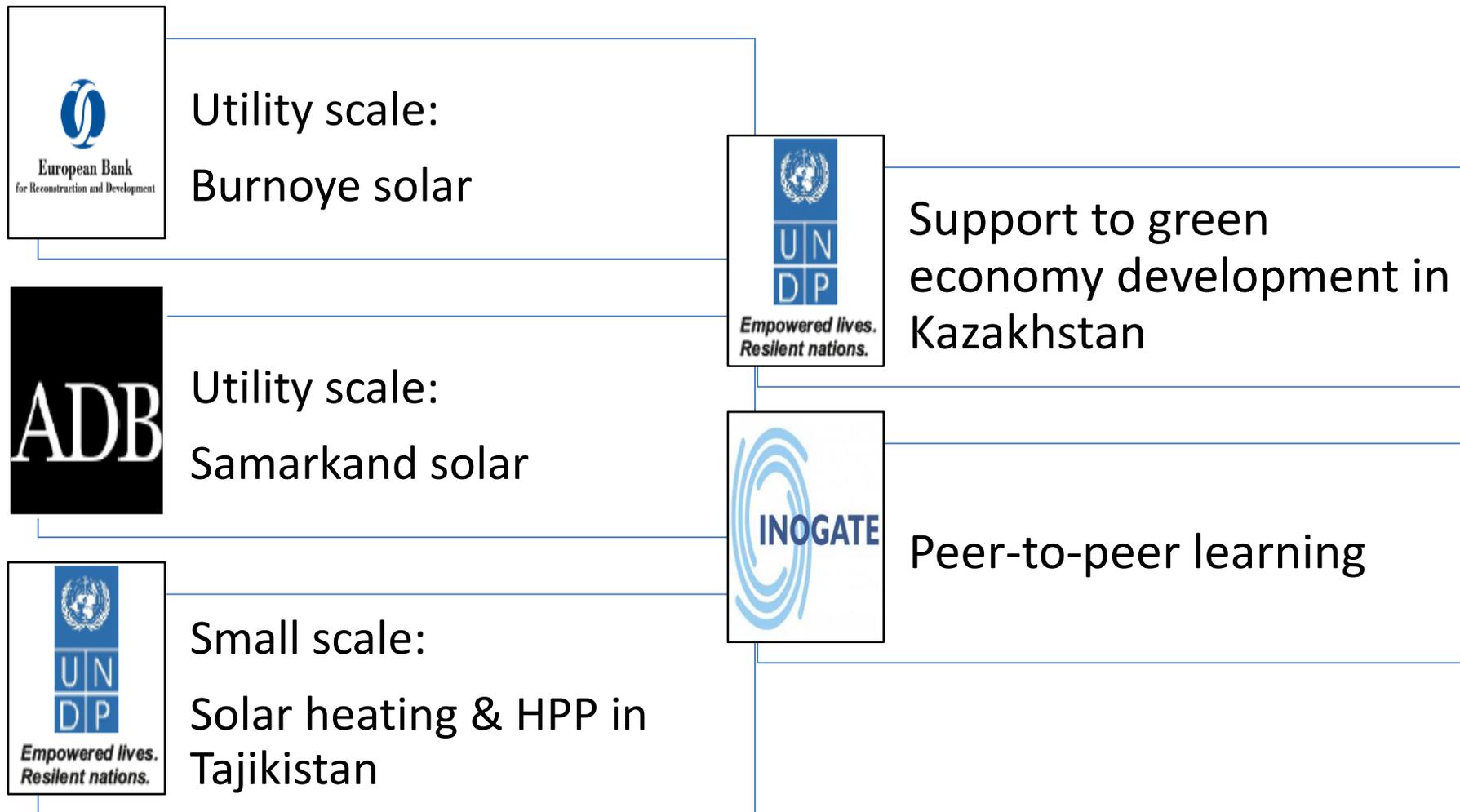
UNESCAP: data, interconnections

WB: Energy-water programme

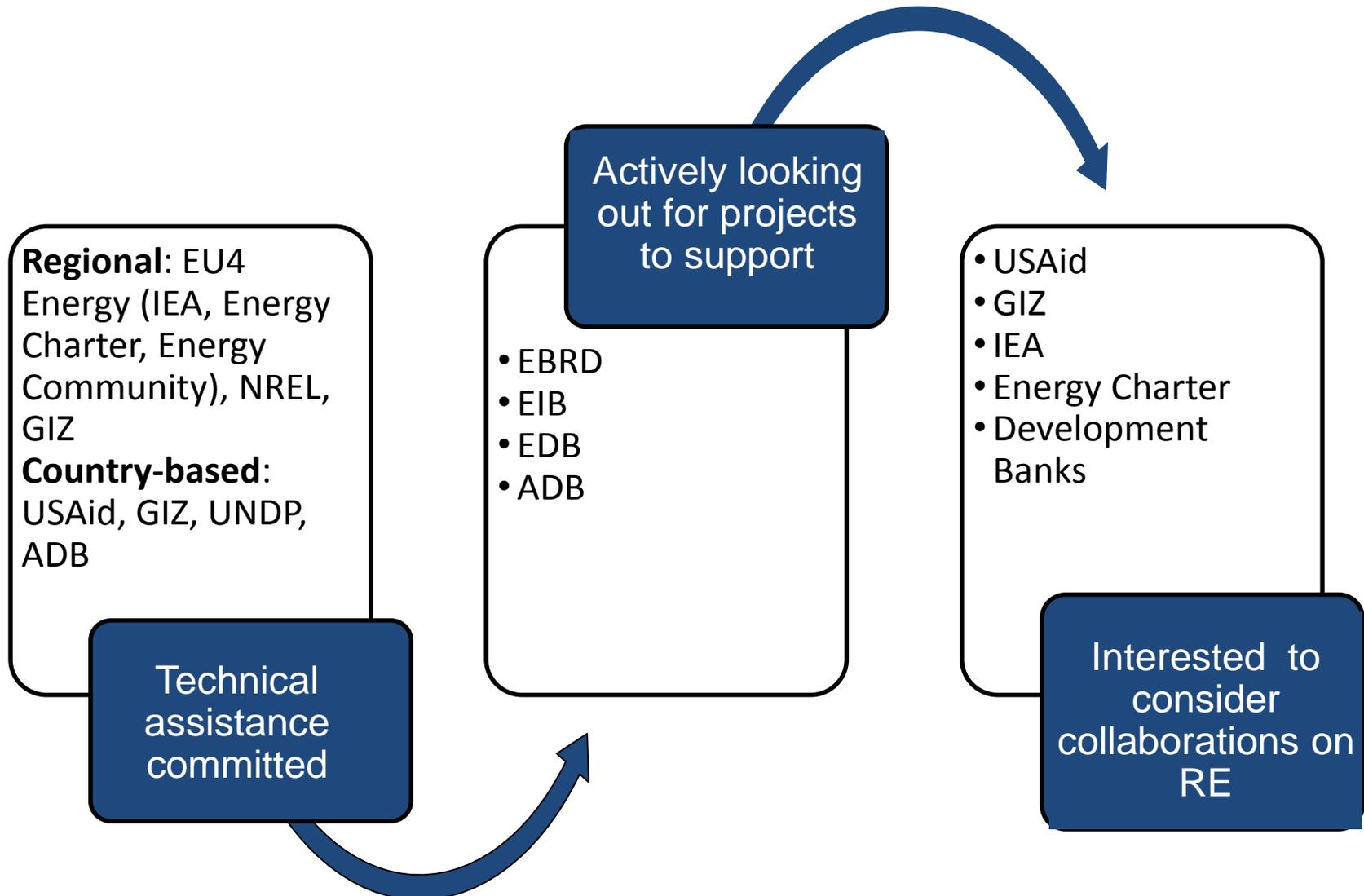
CASA-100: interconnections & trade

NREL: policy & mapping tools

Which projects worked?



Future outlook



1. Which RE technical assistance/investment projects have you undertaken in the region?
2. What are your plans for 2-3 coming years?
3. What are your lessons learnt from supporting RE in the region?

This panel

- Aida Sitdikova, EBRD
- Gianluca Sambucini, UNECE
- Michael R. Curtis, USAID
- Mits Motohashi, WB
- Sergey Tulinov, UNESCAP

Where are the gaps?

Best practices:

South Africa, Australia, UAE, etc.

1. Regional collaboration on RE in 1 to 2 coming years: In-depth studies (cost-benefit analysis, SDGs & RE, VRE integration), policy dialogue and awareness raising
2. Policy support: Energy pricing, electricity interconnections, RE & nexus, RE support schemes, VRE integration
3. RE & wider economic context: Economic diversification, socio-economic benefits of RE
4. Leveraging non-hydro RE for optimized power systems (in conjunction with high share of hydropower)
5. Capacity building: Government, banks, utilities, developers

Thank you

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