

Managing Energy-Water Linkages: Work Program Update

Energy Sector Coordinating Committee Meetings

April 2014

Bishkek, Kyrgyz Republic

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ESCC Decisions for SOM (May 2013)

Element 3: Energy-Water Linkages

- ❖ **Objective:** Help decision-makers better understand energy-water linkages
- ❖ **Discussion:** A set of activities were proposed to strengthen the key elements of a knowledge platform and decision support system (capacity; data; modeling; governance)
- ❖ **Decision:** The proposed set of activities were supported, with the addition of topics on hydropower development.

Activities in Progress

- ✓ Knowledge Portal
- ✓ User-developed system of models
- ✓ Climate change assessments for Central Asia
- ✓ Communities of Practice
- ✓ World Bank Institute
- ✓ Hydropower development and operations



Updates

- Knowledge network
- Data Portal
- Model capacity strengthening



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Knowledge Network

Value Added Activities

The Central Asia Knowledge Network is aimed to “glue” up different sources of knowledge, serve as a convening and umbrella facility to enable better flow of knowledge across countries and sectors. Knowledge Network will build on and benefit from the linkages with concurrent activities of the CAEWDP Program. It will add value via:

- Facilitation of Cross-Country Knowledge Flow
- Coordination of various activities in the region
- Local Adaptation of Global and Regional Knowledge
- Leveraging technical assistance and research – a “snowball effect”



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Central Asia Water & Energy Data Portal

Improving Public Access to Data in Central Asia

Context:

- Poor public domain access to data on Central Asia
- Significant advances in availability of datasets (including from earth observation) relevant for Central Asia
- Modern tools to access such information collated from global and local datasets on the go

Objective: Improved collation, documentation, visualization and access to publically-available datasets relevant for water resources and energy planning and management

Activities:

- **Identifying sources** of public-domain spatial and temporal data for Central Asia (Nov- 2013 – May 2014)
- **Prototyping mobile App** to access and visualize public-domain datasets (demonstration May 2014)
 - **Developing draft Primer** to document sources, (dis)advantages, limitations, and potential uses of each type of available global and local dataset
 - **Building partnerships** with public-domain knowledge providers and users (hope you can help!)
 - **Initiating stakeholder capacity-strengthening** and discussion activities (May – Nov 2014)

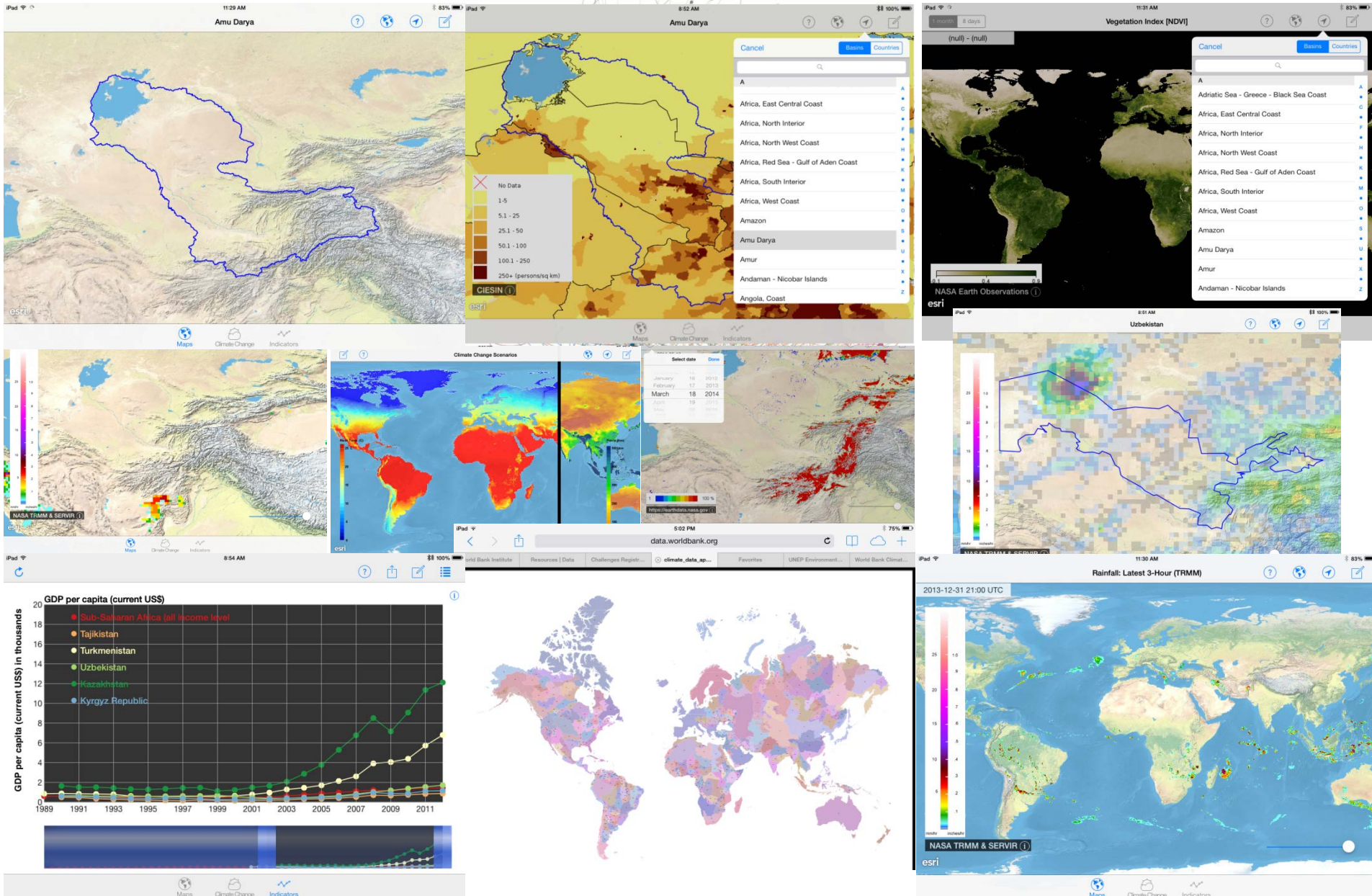


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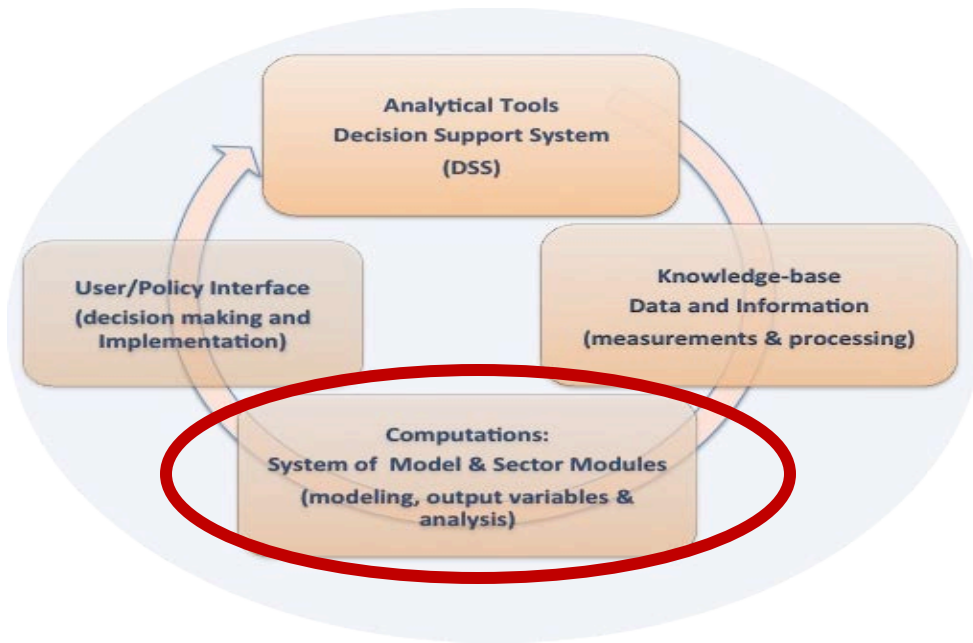
– Nov 2014)

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Illustrations from Mobile App under Development



Model Capacity Strengthening



Context:

- Interesting in understanding existing models
- Lack of national-level model results
- Need to basin versus (and?) operational models

Objective: To strengthen knowledge and modeling skills leading to a more effective and consensus identification basin modeling architecture options and priorities.

Activities:

- **National consultations**
- **Capacity strengthening** – exploring existing models (BEAM, ASBMM, Aral DIF) (Fall 2014)
- **World Bank Institute Training Modules** – e.g., Basin IT
- **Knowledge Forums:** Climate Resilience (May 2014); Integrated Water Resources Knowledge Forum (November 2014)



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Thank you



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