The Infrastructure Consortium for Africa
Le Consortium pour les infrastructures en Afrique

NILE BASIN INITIATIVE
Initiative du Bassin du Nil

"Financing Water for Growth in Africa"

Dakar, Sénégal

26-27 Nov 2008

REGIONAL RUSUMO FALLS HYDROELECTRIC AND MULTIPURPOSE PROJECT

INFO ON PROJECT PROGRESS

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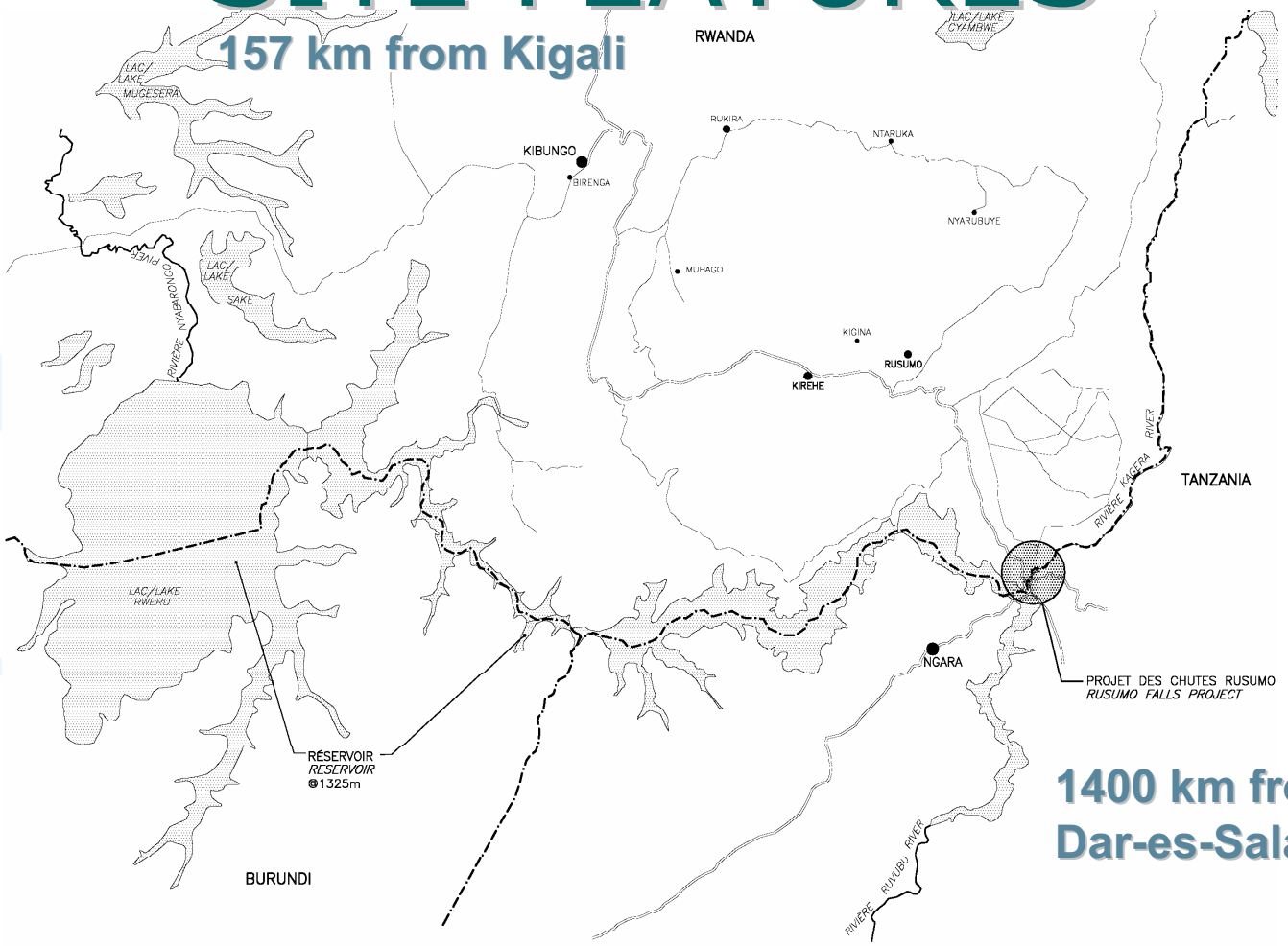
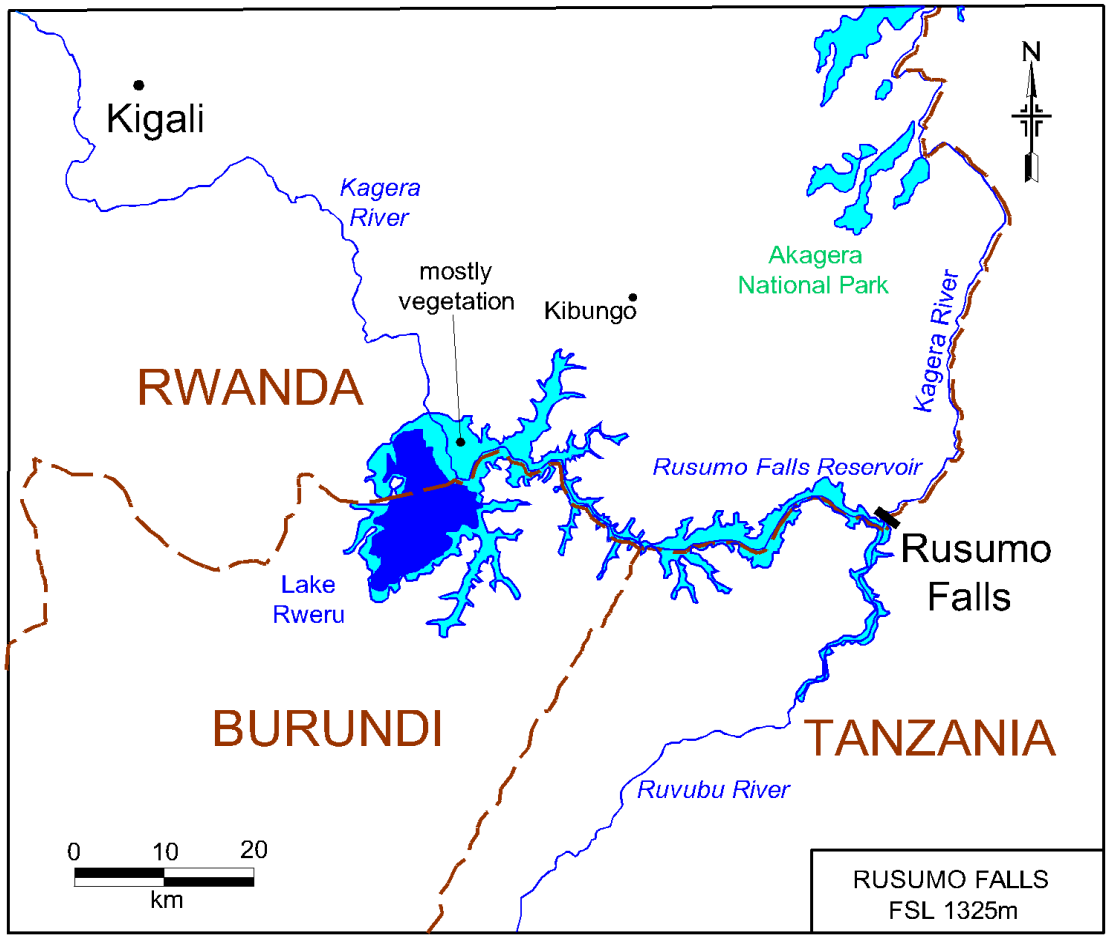
RUSUMO FALLS SITE FEATURES

157 km from Kigali

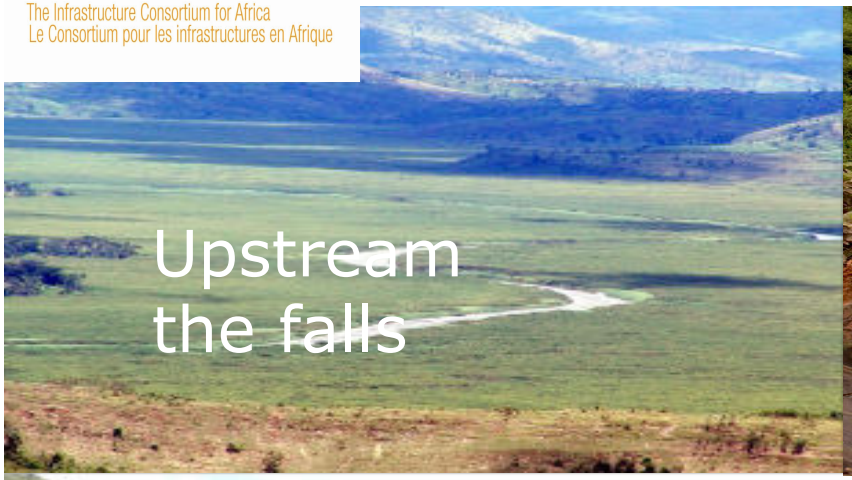


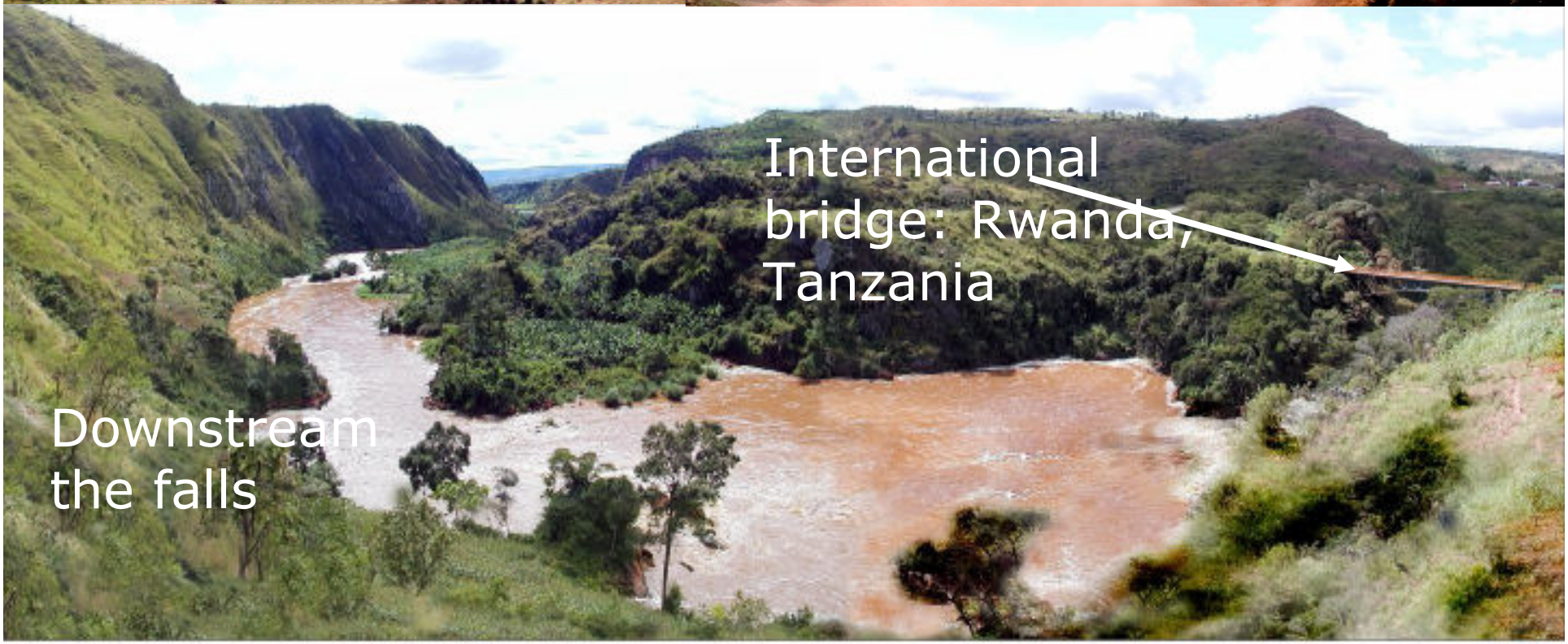
1400 km from Dar-es-Salaam

RUSUMO Falls Location



RUSUMO FALLS SITE





FEASIBILITY STUDY OF POWER GENERATION PLANT AND RELATED PROJECT AREA DEVELOPMENT

- Consultant: SNC LAVALIN, Financing WB
- power generation plant: 60 MW, 3 Kaplan turbines, 444 GWh
- Reservoir capacity at FSL: 496 hm^3
- Reservoir area at FSL: 313 km^2
- Related project area Development included in Project Area Development Plan: public infrastructure (upgrading of roads, school buildings, recreational/tourism facilities), public health (health centers, HIV control, vaccinations, access to clean water, pit latrines, water borne diseases control), socio-economic interventions, agricultural intensification through irrigation, fisheries.

- A joint institutional mechanism for the co-management of power generation and distribution to national utilities will be defined.

- Preliminary Design Report, including ESIA, delivered on 20th November 08.
- Final Design study phase ongoing until End of March 09.

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STUDY ON THE ELECTRICITY TRANSMISSION LINES LINKED TO THE RUSUMO FALLS HYDROELECTRIC GENERATION PLANT

- Consultant: Joint Venture FICHTNER+RSW I, Financing: ADB;
- Power from the Rusumo Falls will be transmitted to the National grids via three 220 kV transmission lines: Rusumo Falls – Gitega (Burundi), 158 km; Rusumo Falls – Kigali (Rwanda), 115 km; and Rusumo Falls – Nyakanazi (Tanzania), 95 km;
- Rural electrification along the Transmission Lines corridors.

- Prefeasibility Report delivered on 20th November 08.
- Feasibility study phase ongoing, Detailed Design Report and Tender documents awaited End of July 2009.

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RUSUMO FALLS – COST ESTIMATION

60 MW - $256.9 MILLION

Description	**Estimated Price (M$USD)**
Civil works	114.998
Mechanical & Electrical Works	90.019
Socio-Economic and Environmental costs	32.399
Engineering, Administration & Supervision, Development costs	19.467
Estimated Project Costs	**256.892**

Next steps

- mid -2009: studies completed;
- 2009: financial closure;
- 2010-2013: construction, environmental mitigation and project area development;
- 2013—2014: on power & further Multipurpose investments.

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THANK YOU

FOR YOUR

ATTENTION !