

STEERING COMMITTEE DOCUMENT

# **AFRICA INFRASTRUCTURE COUNTRY DIAGNOSTIC**

## **Catalog of Products**

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This report was produced by the World Bank [[and the SSATP or WSP]] with funding and other support from (in alphabetical order): the African Development Bank, the African Union, the Agence Française de Développement, the European Union, the New Economic Partnership for Africa's Development, the Public-Private Infrastructure Advisory Facility, and the U.K. Department for International Development.



## About AICD

This study is part of the Africa Infrastructure Country Diagnostic (AICD), a project designed to expand the world's knowledge of physical infrastructure in Africa. AICD will provide a baseline against which future improvements in infrastructure services can be measured, making it possible to monitor the results achieved from donor support. It should also provide a more solid empirical foundation for prioritizing investments and designing policy reforms in the infrastructure sectors in Africa.



AICD will produce a series of reports (such as this one) that provide an overview of the status of public expenditure, investment needs, and sector performance in each of the main infrastructure sectors, including energy, information and communication technologies, irrigation, transport, and water and sanitation. The World Bank will publish a summary of AICD's findings in July 2009. The underlying data will be made available to the public through an interactive Web site allowing users to download customized data reports and perform simple simulation exercises.



The first phase of AICD focuses on 24 countries that together account for 85 percent of the gross domestic product, population, and infrastructure aid flows of Sub-Saharan Africa. The countries are: Benin, Burkina Faso, Cape Verde, Cameroon, Chad, Congo (Democratic Republic of Congo), Côte d'Ivoire, Ethiopia, Ghana, Kenya, Madagascar, Malawi, Mali, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, South Africa, Sudan, Tanzania, Uganda, and Zambia. Under a second phase of the project, coverage will be expanded to include additional countries.



AICD is being implemented by the World Bank on behalf of a steering committee that represents the African Union, the New Partnership for Africa's Development (NEPAD), Africa's regional economic communities, the African Development Bank, and major infrastructure donors. AICD grew from an idea presented at the inaugural meeting of the Infrastructure Consortium for Africa, held in London in October 2005.



Financing for AICD is provided by a multi-donor trust fund to which the main contributors are the Department for International Development (United Kingdom), the Public Private Infrastructure Advisory Facility, Agence Française de Développement, and the European Commission. A group of distinguished peer reviewers from policy making and academic circles in Africa and beyond reviews all of the major outputs of the study, with a view to assuring the technical quality of the work.



This and other papers analyzing key infrastructure topics, as well as the underlying data sources described above, will be available for download from [www.infrastructureafrica.org](http://www.infrastructureafrica.org). Freestanding summaries are available in English and French.



Inquiries concerning the availability of datasets should be directed to [vfoster@worldbank.org](mailto:vfoster@worldbank.org).

## Background papers

No.	Category and title	Authors	Available at AICD site?
<b>General</b>			
BP15	Financing Public Infrastructure in Sub-Saharan Africa: Patterns, Issues, and Options	Cecilia Briceño-G., Karlis Smits, and Vivien Foster	Yes
BP2	Access, Affordability, and Alternatives: Modern Infrastructure Services in Africa	Sudeshna Banerjee, Quentin Wodon, Amadou Diallo, Taras Pushak, Helal Uddin, Clarence Tsimpo, and Vivien Foster	Yes
BP11	Unit Costs of Infrastructure Projects in Sub-Saharan Africa	Africon	Yes
<b>Investment needs studies</b>			
BP3	Costing the Needs for Investment in ICT Infrastructure in Africa	Rebecca Mayer, Ken Figueredo, Mike Jensen, Tim Kelly, Richard Green, and Alvaro Federico Barra	Yes
BP9	Irrigation Investment Needs in Sub-Saharan Africa: A Matter of Scale	Liang Zhi You	Yes
BP5	Powering Up: Costing Power Infrastructure Investment Needs in Southern and Eastern Africa	Orvika Rosnes and Haakon Vennemo	Yes
BP7	Improving Connectivity: Investing in Transport Infrastructure in Sub-Saharan Africa	Robin Carruthers and Ranga Rajan Krishnamani with Siobhan Murray	Yes
<b>State of the sector reviews</b>			
BP16	Air Transport: Challenges to Growth	Heinrich C. Bofinger	Yes
BP10	Information and Communications Technology in Sub-Saharan Africa: A Sector Review	Michael Minges, Cecilia Briceño-Garmendia, Mark Williams, Mavis Ampah, Daniel Camos, and Maria Shkratan	Yes
BP4	Watermarks: Indicators of Irrigation Sector Performance in Sub-Saharan Africa	Mark Svendsen, Mandy Ewing, and Siwa Msangi	Yes
BP8	Beyond the Bottlenecks: Ports in Sub-Saharan Africa	Ocean Shipping Consultants, Ltd.	Yes
BP6	Underpowered: The State of the Power Sector in Sub-Saharan Africa	Anton Eberhard, Vivien Foster, Cecilia Briceño-Garmendia, Fatimata Ouedraogo, Daniel Camos, and Maria Shkaratan	Yes
BP17	Taking Stock of Railway Companies in Sub-Saharan Africa	Mapapa Mbangala	No
BP14	The Burden of Maintenance: Roads in Sub-Saharan Africa	Ken Gwilliam, Vivien Foster, Rodrigo Archondo-Callao, Cecilia Briceño-Garmendia, Alberto Nogales, and Kavita Sethi	Yes
BP1	Stuck in Traffic: Urban Transport in Africa	Ajay Kumar and Fanny Barrett	Yes
BP12	Ebbing Water, Surging Deficits: Urban Water Supply in Sub-Saharan Africa	Sudeshna Banerjee, Heather Skilling, Vivien Foster, Cecilia Briceño-Garmendia, Elvira Morella, and Tarik Chfadi	Yes
BP13	Climbing the Ladder: The State of Sanitation in Sub-Saharan Africa	Elvira Morella, Vivien Foster, and Sudeshna Ghosh Banerjee	Yes

Files posted on AICD Web site may be downloaded from <http://www.infrastructureafrica.org/en/SteeringCommDocs.htm>

## Working papers

WP #	Title, <i>author(s)</i>	Available at AICD site?
WP1	Making Sense of Sub-Saharan Africa's Infrastructure Endowment: A Benchmarking Approach, <i>Tito Yepes, Justin Pierce, and Vivien Foster</i>	Yes
WP2	Paying the Price for Unreliable Power Supplies: Own Generation of Electricity by Private Firms in Africa, <i>Vivien Foster and Jevgenijs Steinbuks</i>	Yes
WP3	Infrastructure and Growth in Africa, <i>César Calderón</i>	Yes
WP4	Electricity Reforms in Mali: A Micro-Macro Analysis of the Effects on Poverty and Distribution, <i>Dorothee Boccanfuso, Antonio Estache, and Luc Savard</i>	Yes
WP5	Electricity Reforms in Senegal: A Micro-Macro Analysis of the Effects on Poverty and Distribution, <i>Dorothee Boccanfuso, Antonio Estache, and Luc Savard</i>	Yes
WP6	Building Sector Concerns into Macro-Economic Financial Programming: Lessons from Senegal and Uganda, <i>Antonio Estache and Rafael Muñoz</i>	Yes
WP7	Cost Recovery, Equity, and Efficiency in Water Tariffs: Evidence from African Utilities, <i>Sudeshna Banerjee, Vivien Foster, Yvonne Ying, Heather Skilling, and Quentin Wodon</i>	Yes
WP8	Potential for Local Private Finance of Infrastructure in Africa, <i>Jacqueline Irving and Astrid Manroth</i>	October 2008
WP9	Impact of Infrastructure Constraints on Firm Productivity in Africa, <i>Alvaro Escribano, J. Luis Guasch, and Jorge Pena</i>	October 2008
WP10	A Tale of Three Cities: Understanding Differences in Provision of Modern Services, <i>Sumila Gulyani, Debabrata Talukdar, and Darby Jack</i>	October 2008
WP11	Electricity Tariffs and the Poor: Case Studies from Sub-Saharan Africa, <i>Quentin Wodon and others</i>	TBD
WP12	Water Tariffs and the Poor: Case Studies from Sub-Saharan Africa, <i>Quentin Wodon and others</i>	TBD
WP13	Provision of Water to the Poor in Africa: Informal Water Markets and Experience with Water Standposts, <i>Sarah Keener, Manuel Luengo, Sudeshna Banerjee</i>	October 2008
WP14	Transport Prices and Costs in Africa: A Review of the Main International Corridors, <i>Supee Teravaninthorn and Gaël Raballand</i>	October 2008
WP15	The Impact of Infrastructure Spending in Sub-Saharan Africa: A CGE Modeling Approach, <i>Jean-François Perrault and Luc Savard</i>	November 2008
WP16	Water Reforms in Senegal: A Micro-Macro Analysis of the Effects on Poverty and Distribution, <i>Dorothee Boccanfuso, Antonio Estache, and Luc Savard</i>	November 2008
WP17	Fiscal Costs of Infrastructure Provision: A Practitioner's Guide, <i>Cecilia Briceño-Garmendia</i>	TBD
WP18	Lifecycle Costs of Roads Under Alternative Maintenance Scenarios	TBD
WP19	Crop Production and Road Connectivity in Sub-Saharan Africa: A Spatial Analysis, <i>Paul Dorosh, Hyoung-Gun Wang, Liang You, and Emily Schmidt</i>	November 2008
WP20	Are Electricity Distribution Companies Efficient?: Evidence from Africa	TBD

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## Country reports

Number	Title	Status
CR1	Infrastructure in Benin	Early 2009
CR2	Infrastructure in Burkina Faso	Early 2009
CR3	Infrastructure in Cameroon	Early 2009
CR4	Infrastructure in Cape Verde	Early 2009
CR5	Infrastructure in Chad	Early 2009
CR6	Infrastructure in Democratic Republic of Congo	Early 2009
CR7	Infrastructure in Cote d'Ivoire	Early 2009
CR8	Infrastructure in Ethiopia	Early 2009
CR9	Infrastructure in Ghana	Early 2009
CR10	Infrastructure in Kenya	Early 2009
CR11	Infrastructure in Lesotho	Early 2009
CR12	Infrastructure in Madagascar	Early 2009
CR13	Infrastructure in Malawi	Early 2009
CR14	Infrastructure in Mozambique	Early 2009
CR15	Infrastructure in Namibia	Early 2009
CR16	Infrastructure in Niger	Early 2009
CR17	Infrastructure in Nigeria	Early 2009
CR18	Infrastructure in Rwanda	Early 2009
CR19	Infrastructure in Senegal	Early 2009
CR20	Infrastructure in South Africa	Early 2009
CR21	Infrastructure in Sudan	Early 2009
CR22	Infrastructure in Tanzania	Early 2009
CR23	Infrastructure in Uganda	Early 2009
CR24	Infrastructure in Zambia	Early 2009

## Web tools

	Status
www.infrastructureafrica.org *	
<b>On-line interactive databases</b>	
Fiscal costs of infrastructure	Early 2009
Household survey data	Early 2009
Airports sector performance indicators	Early 2009
Information and communication technologies sector performance indicators	Early 2009
Irrigation sector performance indicators	Early 2009
Ports sector performance indicators	Early 2009
Power sector performance indicators	Early 2009
Railways sector performance indicators	Early 2009
River basin management sector performance indicators	Early 2009
Roads sector performance indicators	Early 2009
Urban infrastructure sector performance indicators	Early 2009
Water and sanitation sector performance indicators	Early 2009
<b>On-line interactive simulation models</b>	Early 2009
Investment needs for information and communication	Early 2009
Investment needs for irrigation	Early 2009
Investment needs for power	Early 2009
Investment needs for water and sanitation	Early 2009
Investment needs for transport	Early 2009
<b>GIS Africa infrastructure atlas</b>	Early 2009

\* A beta version of the new AICD Web site will debut on the World Bank's servers in January 2009.