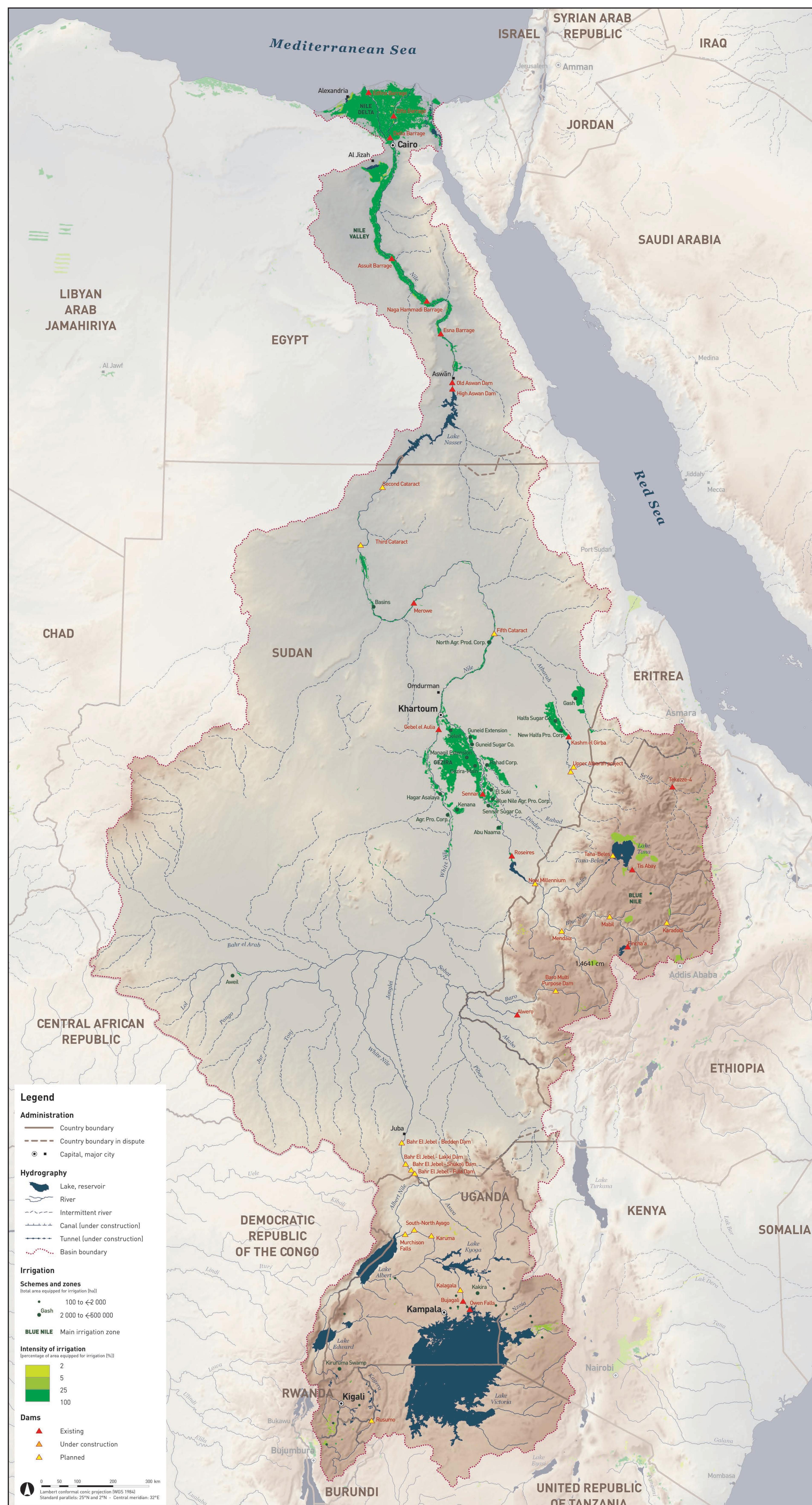


# WATER INFRASTRUCTURE IN THE NILE BASIN

## Existing dams and main irrigation areas



### About this poster

This poster locates the key water infrastructure elements across the Nile basin, existing dams and irrigation schemes. Data is taken from the FAO AQUATAT dams database for Africa and the Global Map of Irrigation Areas [GMIA]. The poster also indicates the locations of proposed dams to illustrate the interest in hydropower development in the equatorial and eastern Nile sub-basins.

### Existing dams in the Nile basin

Dam name	Country	Crest Height (m)	Reservoir Capacity (km³)	Purpose	Operational since
Assiut barrage	Egypt	16	NA	irrigation, navigation	1902
Esna barrage	Egypt	16	NA	irrigation, navigation	1902
High Aswan dam	Egypt	111	162	irrigation, flood control, hydropower	1970
Nag-Hamady barrage	Egypt	16	NA	irrigation, navigation	1930
Old Aswan dam	Egypt	53	5	irrigation, hydropower	1933
Alwero	Ethiopia	NA	0.075	irrigation	1995
Fincha'a	Ethiopia	25	0.65	irrigation	1973
Tana Beles	Ethiopia	run of river	-	hydropower	2010
Tekezze	Ethiopia	185	3	hydropower	2009
Tis Abay I + II	Ethiopia	run of river	3.5	hydropower	1953 / 2001
Jebel Aulia	Sudan	22	3.5	irrigation, hydropower	1937
Khashm El Gibra	Sudan	35	1.3	irrigation, hydropower	1964
Merowe	Sudan	67	12.5	irrigation, hydropower	2009
Roseires	Sudan	60	3	irrigation, hydropower	1966
Sennar	Sudan	48	0.93	irrigation, hydropower	1925
Bujagali	Uganda	30	0.75	hydropower	2011
Owen Falls	Uganda	30	200*	irrigation, hydropower	1954

\* Additional capacity on lake Victoria.

### Equipped irrigation Areas (ha)

Burundi	3 212
Dem. Rep. of the Congo	0
Egypt	3 401 717
Eritrea	5 865
Ethiopia	88 024
Kenya	14 501
Rwanda	7 885
Sudan	1 830 908
Tanzania	935
Uganda	9063
<b>Total</b>	<b>5 362 109</b>

### Proposed dams in the Nile basin

Dam name	Country
Baro multi-purpose dam	Ethiopia
Grand Millennium	Ethiopia
Karadobi	Ethiopia
Mabil	Ethiopia
Mendala	Ethiopia
Rusumo	Rwanda
Bahr El Jebel - Bedden Dam	Sudan
Bahr El Jebel - Lakki Dam	Sudan
Bahr El Jebel - Shukoll Dam	Sudan
Bahr El Jebel - Fula Dam	Sudan
Fifth Cataract - Shereik Dam	Sudan
Second cataract - Dal Dam	Sudan
Third cataract - Kajbar Dam	Sudan
Kalagala	Uganda
Karuma	Uganda
Murchison Falls	Uganda
South-North Ayago	Uganda

## Information Products for Nile Basin Water Resources Management

burundi

d.r.congo

egypt

eritrea

ethiopia

kenya

rwanda

sudan

u.r.tanzania

uganda

The project attempted to strengthen the ability of the governments of the Nile Riparian States to take informed decisions on water resources policy and management matters regarding the common Nile resource. It included a major capacity building component. The project was implemented under the umbrella of the Nile Basin Initiative.

### Disclaimer

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