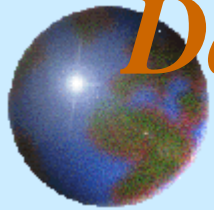


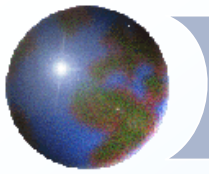


*The Grand Ethiopian Renaissance
Dam: A Catalyst for Cooperation
on the Nile?*



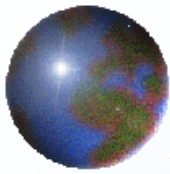
S. Salman

November 22, 2016



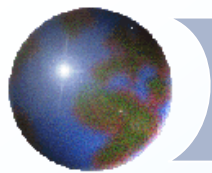
About the GERD

- ✚ The largest dam in Africa, and 10th in world
- ✚ On Blue Nile, 20 km from Sudanese borders
- ✚ Height of 145 meters
- ✚ Reservoir capacity of 74 BCM
- ✚ Installed capacity 5,000 Megawatts
 - ▣ 16 turbines, 375 each
- ✚ Cost of \$4.8 Billion
- ✚ Construction of dam by Salini; turbines by Alstom-Siemmens; power lines by Chinese



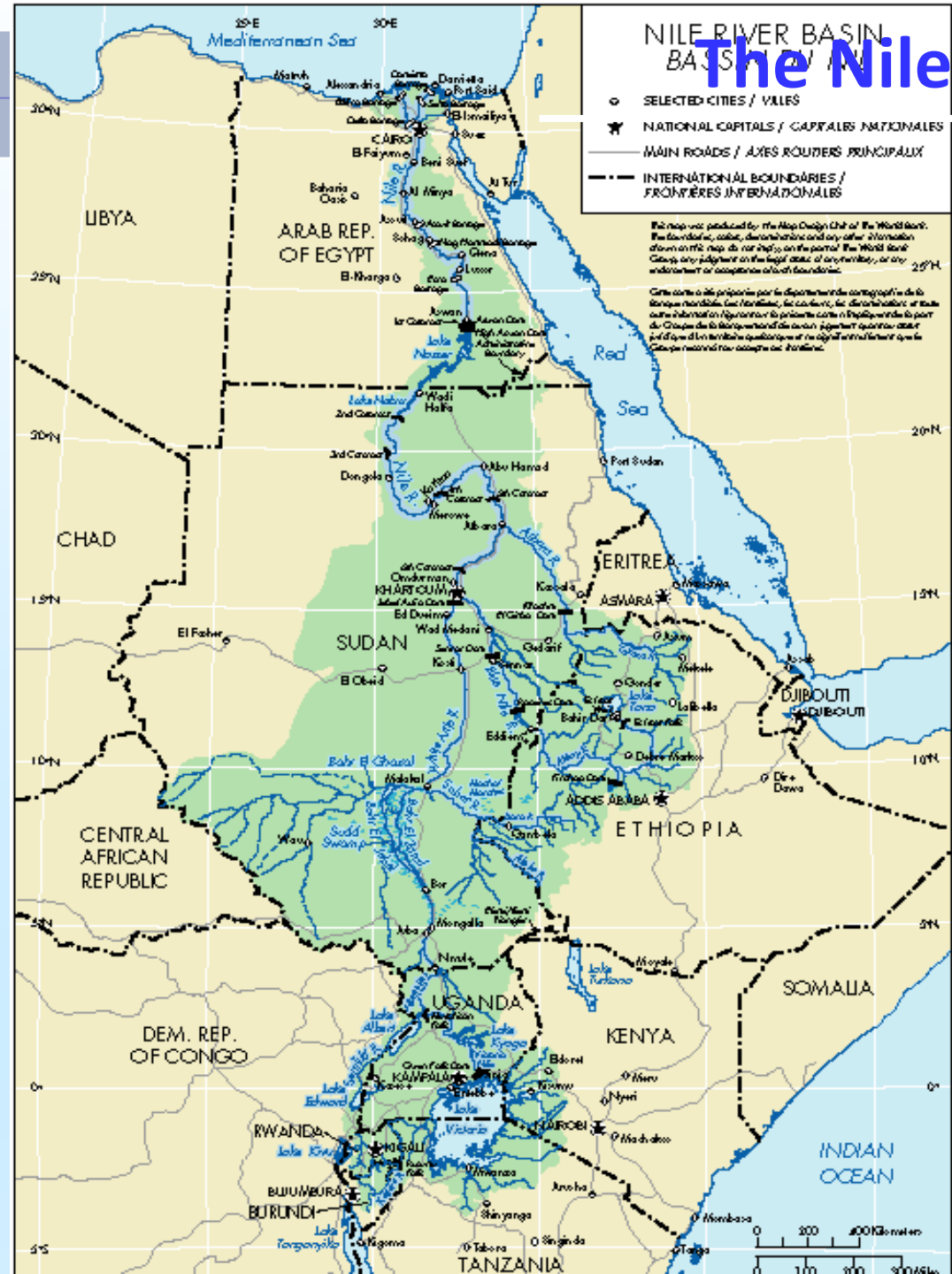
Location of the GERD





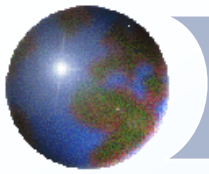
NILE RIVER BASIN

The Nile Basin



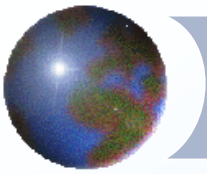
This map was produced by the Map Design Unit of the World Bank. The boundaries, colors, denominations and any other information shown on this map do not imply, on the part of the World Bank Group, any judgment on the legal status of any territory, or its endorsement or acceptance of such boundaries.

Cette carte a été préparée par le département de cartographie de la Banque mondiale. Les frontières, les couleurs, les dénominations et toute autre information figurant sur la présente carte n'impliquent de la part du Groupe de la Banque mondiale aucun jugement quant au statut juridique de tout territoire ou à son acceptation ou à son endorsement.



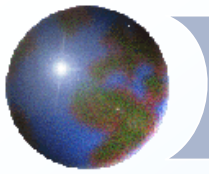
Status of the GERD

- ✚ Close to 60% Complete, on schedule
- ✚ Poised for completion on time – 2017
- ✚ Vehemently rejected by Egypt 2011- 2014
- ✚ Initially rejected by Sudan, gradual acceptance, final by 2013
- ✚ Finally accepted by Egypt & Sudan in 2015
- ✚ Through two legal instruments
 - ▣ The DoP and Khartoum Document (KD)
- ✚ Is this beginning of era of cooperation in the Nile Basin?



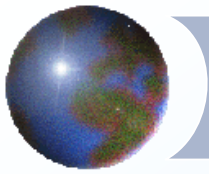
The GERD January 2014





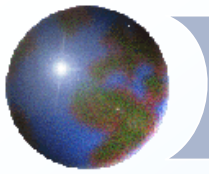
GERD May 2016





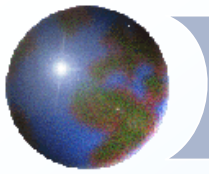
The GERD, Ethiopia and Sudan

- ❖ GERD has proven as a catalyst and beginning of cooperation era between Ethiopia & Sudan
- ❖ Benefits of GERD to Sudan
 - ❖ Entrapment of sediments
 - ❖ End of floods
 - ❖ Regulation of flow throughout the year
 - Increase in crop rotations
 - Replenishment of groundwater throughout the year
 - Navigation throughout the year
 - ❖ Sale of power to Sudan
 - ❖ Possibility of water storage



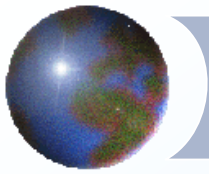
The GERD, Ethiopia and Sudan

- ✪ Sudan wavered at the beginning 2011 – 2013
- ✪ Close Nile water ties and alliance with Egypt
- ✪ The 1959 Nile Water Agreement
 - ❏ Division of entire Nile flow between two countries
 - ❏ Establishment of the Permanent Joint Technical Committee (PJTC) for coordination
 - ❏ Requirement of having a unified position vis-à-vis other Nile riparians demands
 - ❏ PJTC spokesperson & negotiator of two countries
- ✪ Alliance translated to action at CFA negotiations
- ✪ Concerns about dam safety & period of filling addressed by DoP



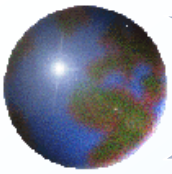
The GERD, Ethiopia and Sudan

- ✚ GERD resulted in a major crack in the Egyptian Sudanese alliance
 - ✚ Sudan formally supported the GERD in 2013
 - ✚ Through an announcement by the President himself
 - ✚ Sudan started to buy Ethiopian electricity – 250 megawatts
 - ✚ Even before the GERD is completed
 - ✚ Purchase of more electricity is expected when GERD is completed to address Sudan increasing deficit
 - ✚ Power connection lines between Ethiopia and Sudan already exist – financed under the Nile Basin Initiative
 - ✚ Need strengthening to convey more power
- ✚ DoP and KD reconfirmed Sudan support
- ✚ Heralding beginning of era of cooperation

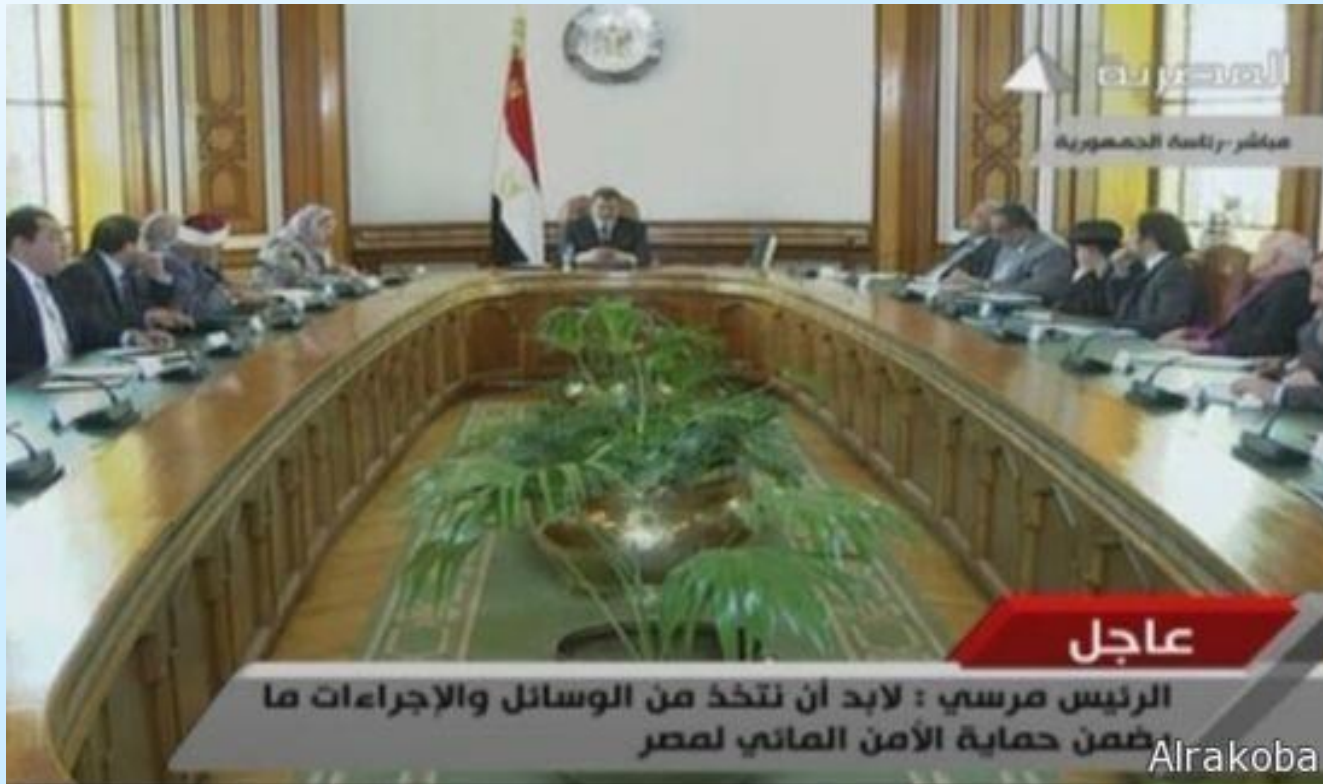


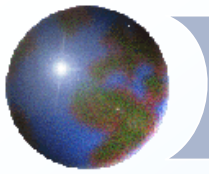
The GERD, Ethiopia and Egypt

- ✪ Egypt initially opposed GERD vehemently,
- ✪ However, Egypt had limited options
 - ❑ Timing of the GERD – March 2011 – Egyptian revolution
 - ❑ Unrest in Egypt 2011 – 2014
 - ❑ Time was on Ethiopia's side
 - ❑ Ability of Ethiopia to finance GERD from its own resources, \$4.8 billion, Egypt bet on Ethiopia not being able to do so
 - ❑ Egypt threat in 2013 of using force not coming through
 - ❑ Ability of Ethiopia to garner support for the GERD
 - ❑ Europe (Italy, France, Switzerland) and China support
- ✪ Sudan support of GERD weakened Egypt stance, created a cracked their Nile alliance.
- ✪ Gradual emergence of Ethiopia as regional power



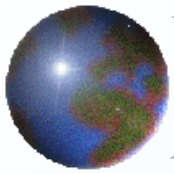
Egyptian government and opposition discussing GERD June 2013





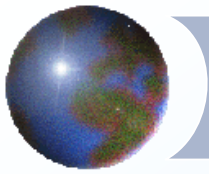
The GERD, Ethiopia and Egypt

- ✚ Egypt finally supported GERD through DoP
- ✚ Had limited options
 - ✚ GERD has become a reality in 2015
 - ✚ About 60% complete
 - ✚ Sudan has supported GERD
 - ✚ Other Nile countries support GERD; CFA alliance
 - ✚ Europe and China helping with the GERD
 - ✚ No support from Arab or African countries
- ✚ DoP dealt with cooperation in limited ways
 - ✚ No obligation for sale and purchase of GERD power between parties under DoP; only priority
 - ✚ Coordination on operation of GERD with downstream reservoirs



Signing the DoP, Khartoum March 23, 2015





Conclusion

- ✚ GERD has proven a major catalyst for cooperation between Ethiopia & Sudan
 - ✚ Realization of major benefits accruing to Sudan
 - ✚ Sale of power even before GERD is complete
- ✚ Between Ethiopia and Egypt
 - ✚ More of levelling of playing fields than cooperation
 - ✚ Suspicion and mistrust still hover over relations
 - ✚ DoP does not include specific areas for cooperation
 - ✚ Recent accusation of Ethiopia to Egypt of supporting unrest overshadowed prospects under DoP
 - ✚ Cooperation between Ethiopia & Egypt over Nile now possible more than ever before, but still a long way



Thank You

salmanmasalman@gmail.com

www.salmanmasalman.org