

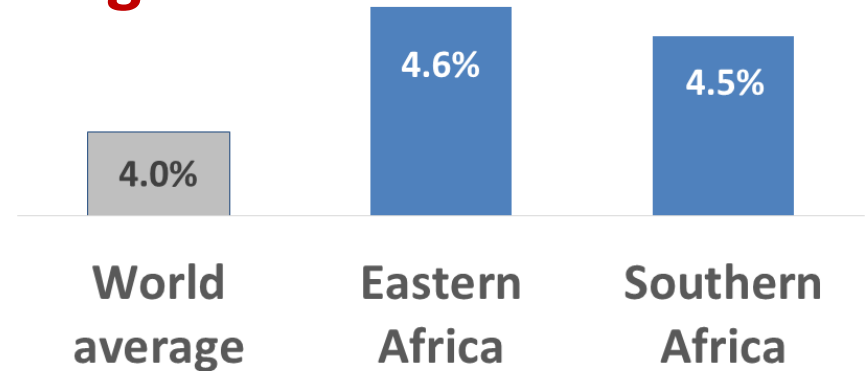
Africa Power Sector: Planning and Prospects for Renewable Energy

Enabling Policy and Financial Framework for Renewable Energy Deployment in Southern and Eastern Africa, 4th October, SAIREC 2015, Cape Town



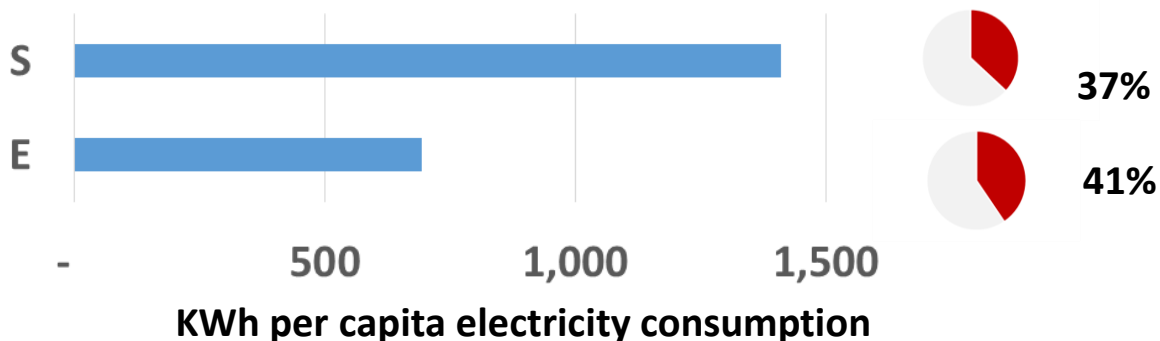
Power needed to fuel economic growth

Annual GDP growth 2003-13



AU GDP projection: 8% (East) 6% (South) till 2030

... and achieving universal access to electricity

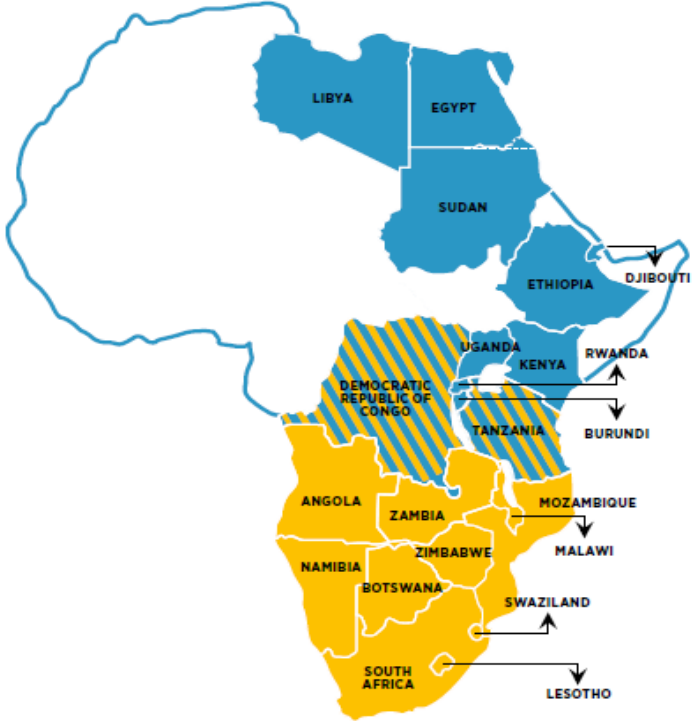


Power pool demand projections

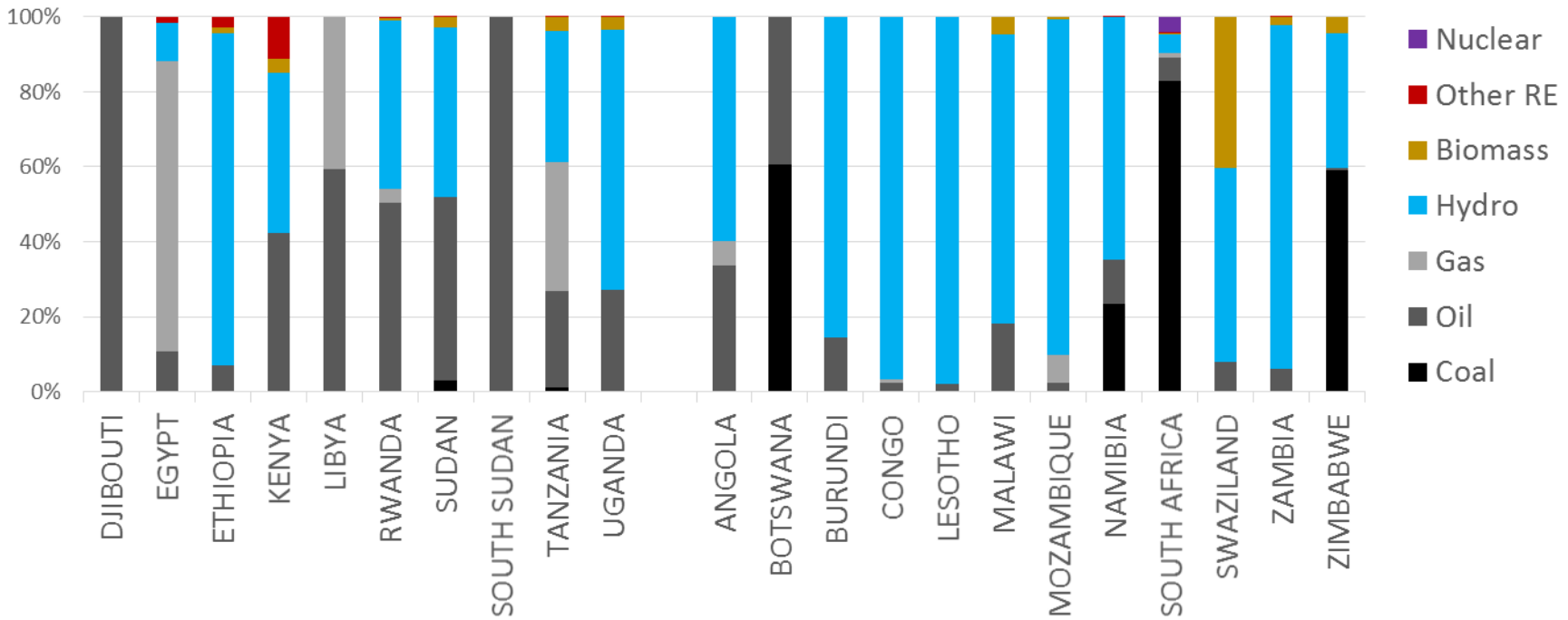
2013-2030

SAPP: double (1.2 – 4.4 times)

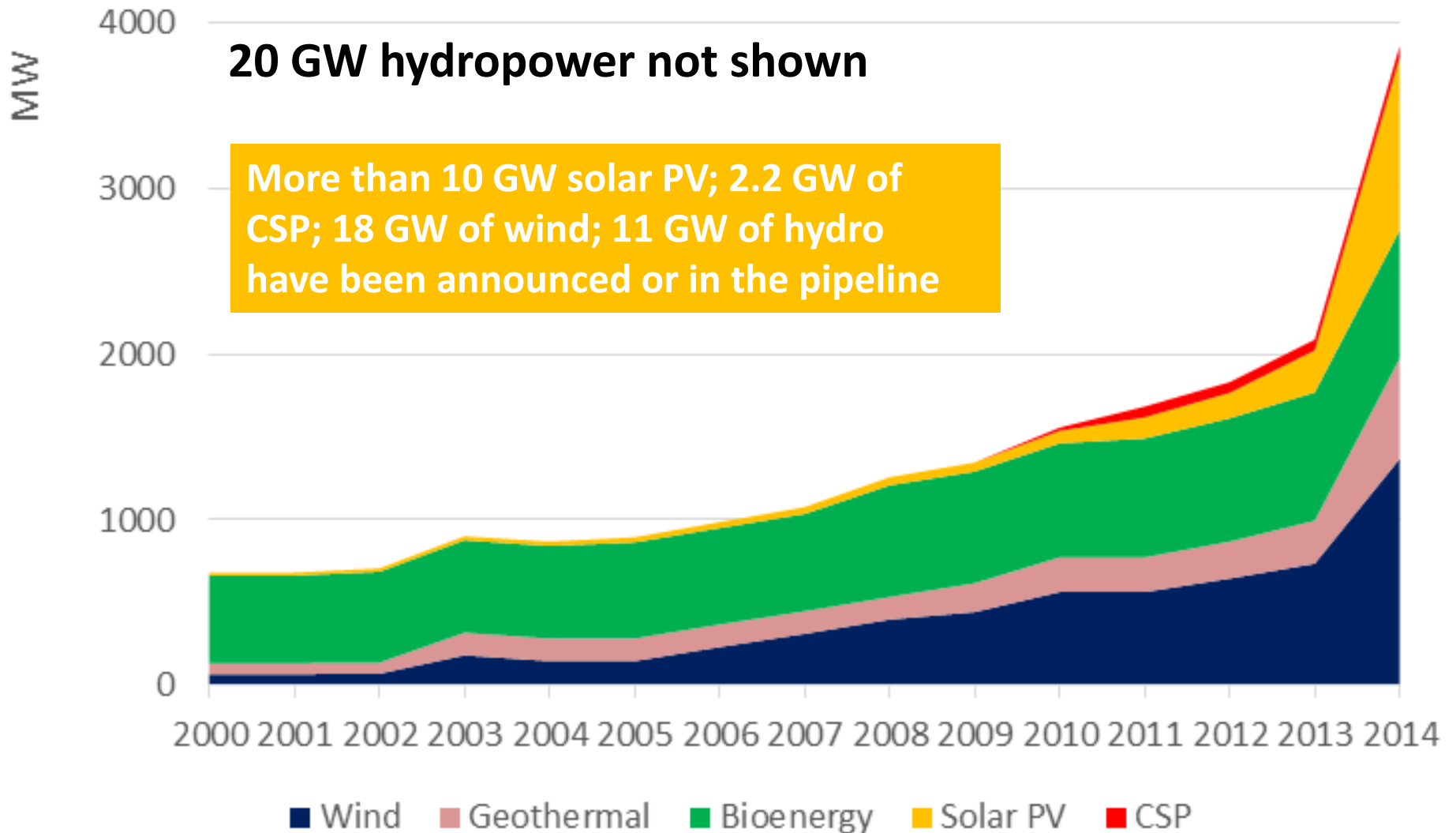
EAPP: triple (2.6 – 6.3 times)



Capacity mix as of 2013

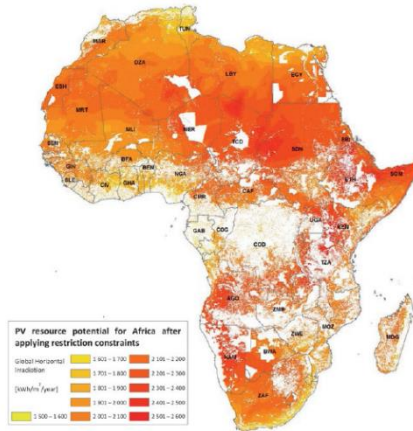


Rapid RE power growth in Africa

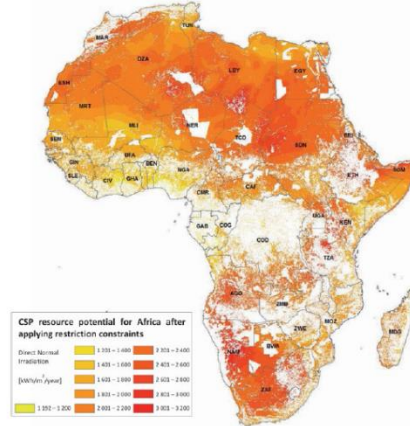


Resources

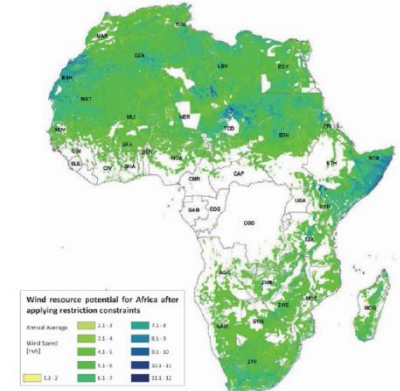
Solar PV



CSP



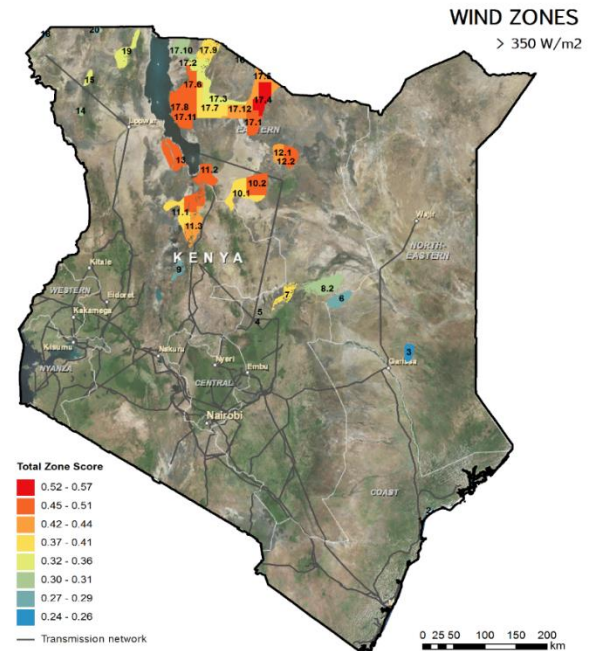
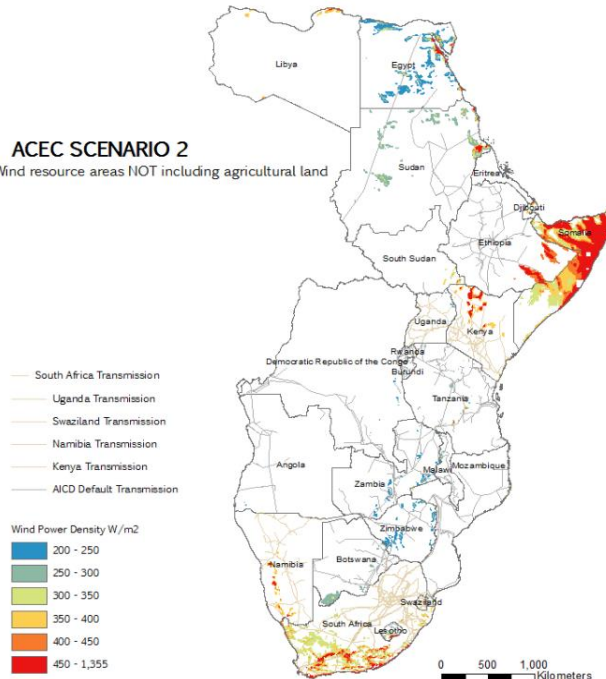
Wind



Wind projects

ACEC SCENARIO 2

Wind resource areas NOT including agricultural land



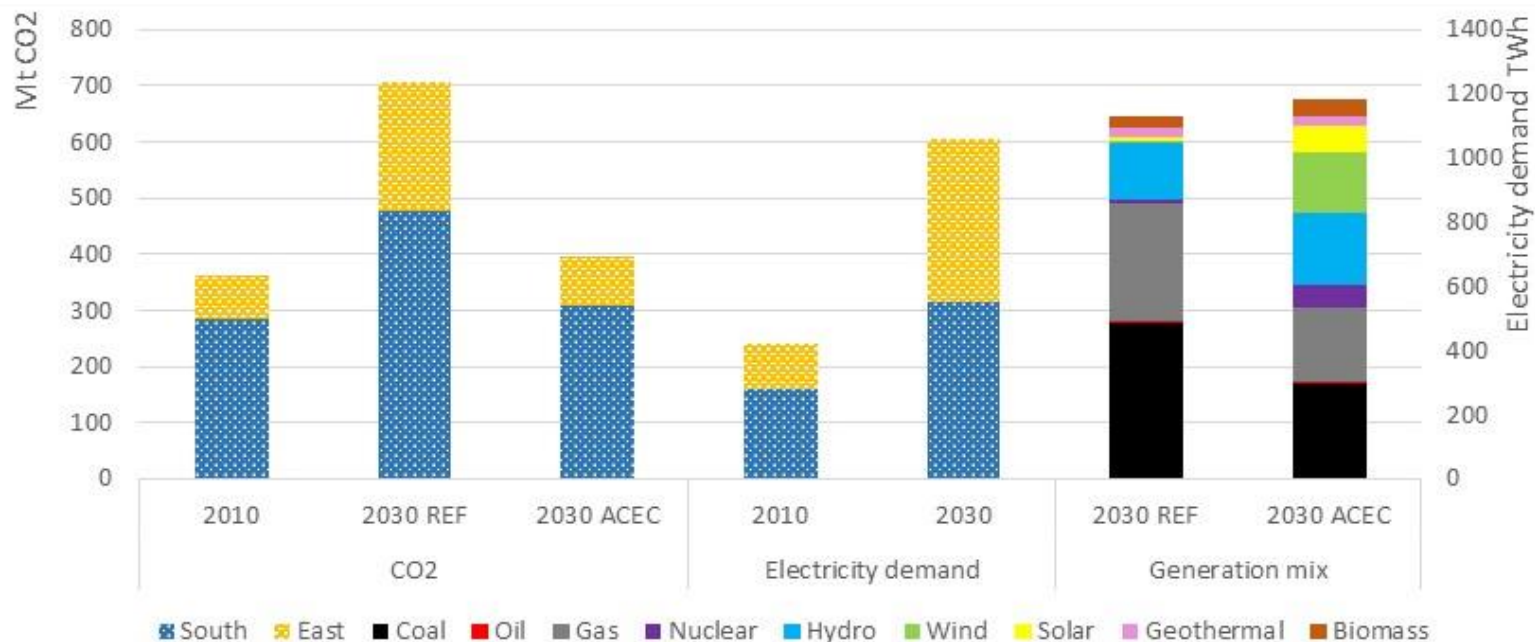
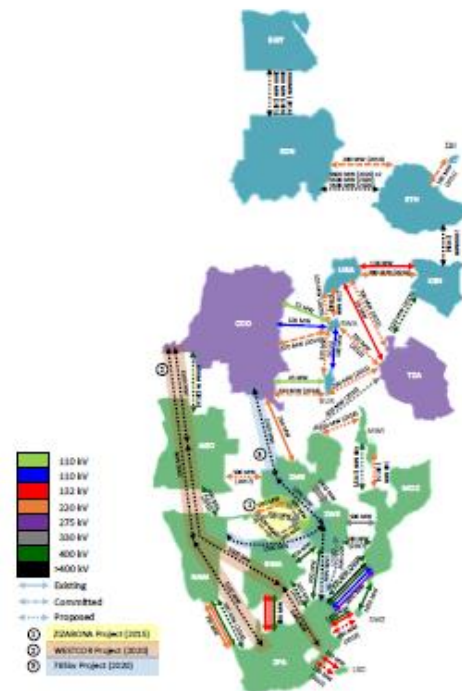
Regional interconnections

Prospects: Africa Clean Energy Corridor (ACEC) investment analysis

Demand is expected to **triple** by 2030

CO₂ emissions would be cut by **half**

Share of RE would **double** under the ACEC scenarios



Thank you for your attention!

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