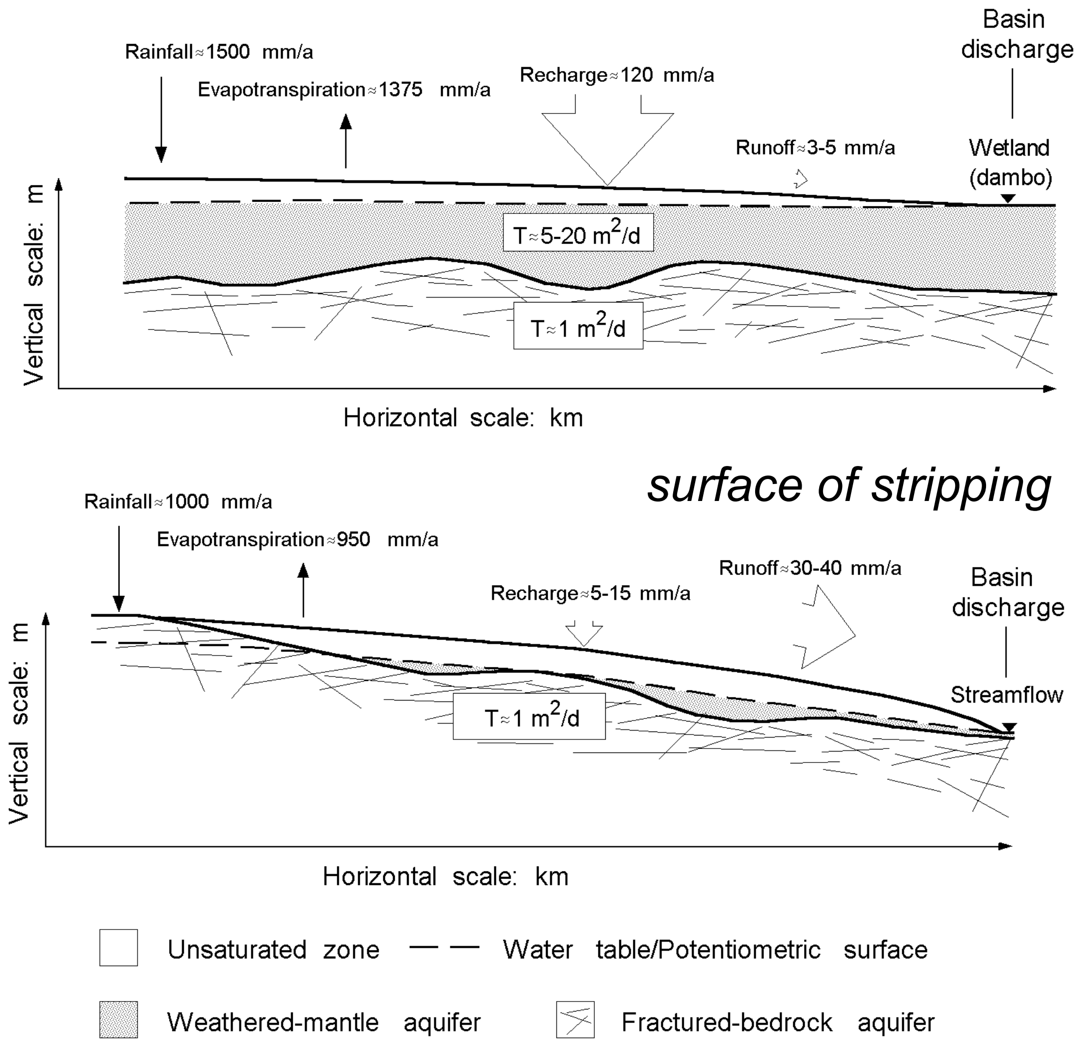
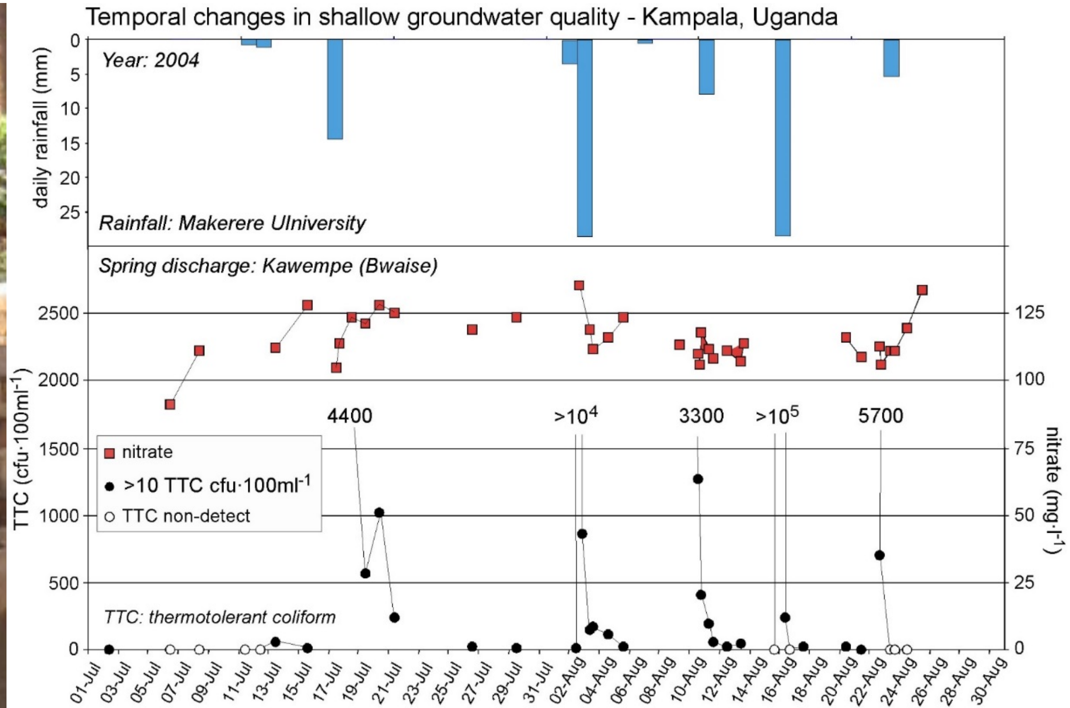
shallow wells versus “boreholes”

- Omorinbola (Nigeria), Chilton (UK), Sekar (India)

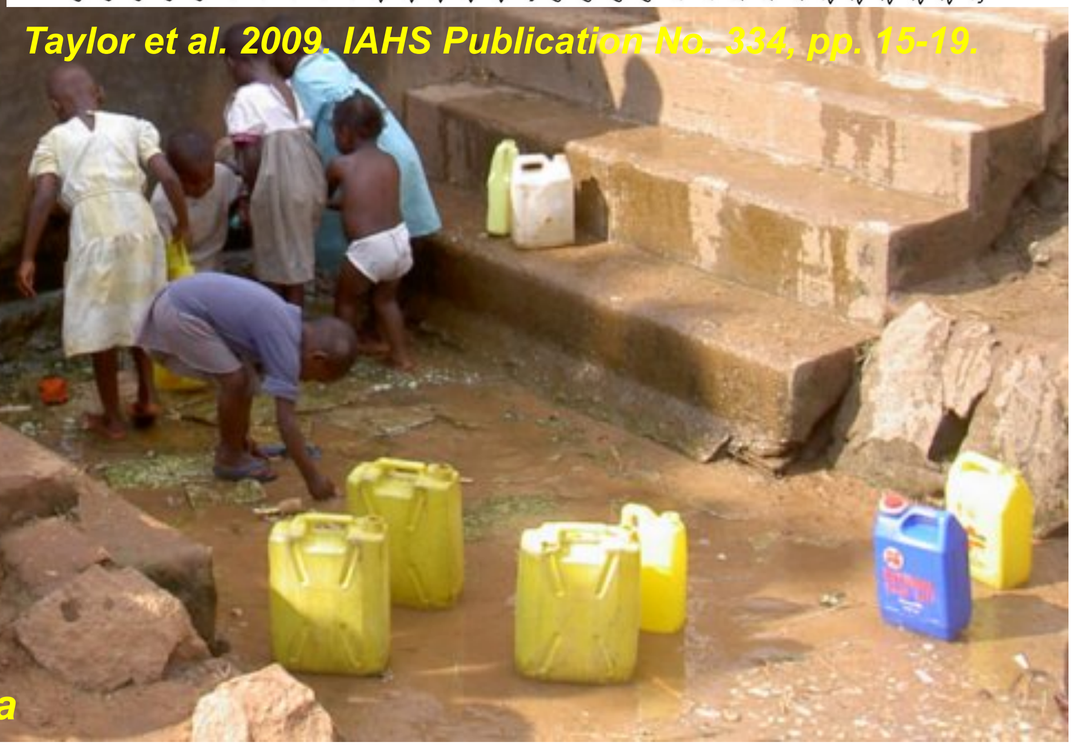


Taylor and Howard (2000) Hydrogeology Journal 8: 279-294.

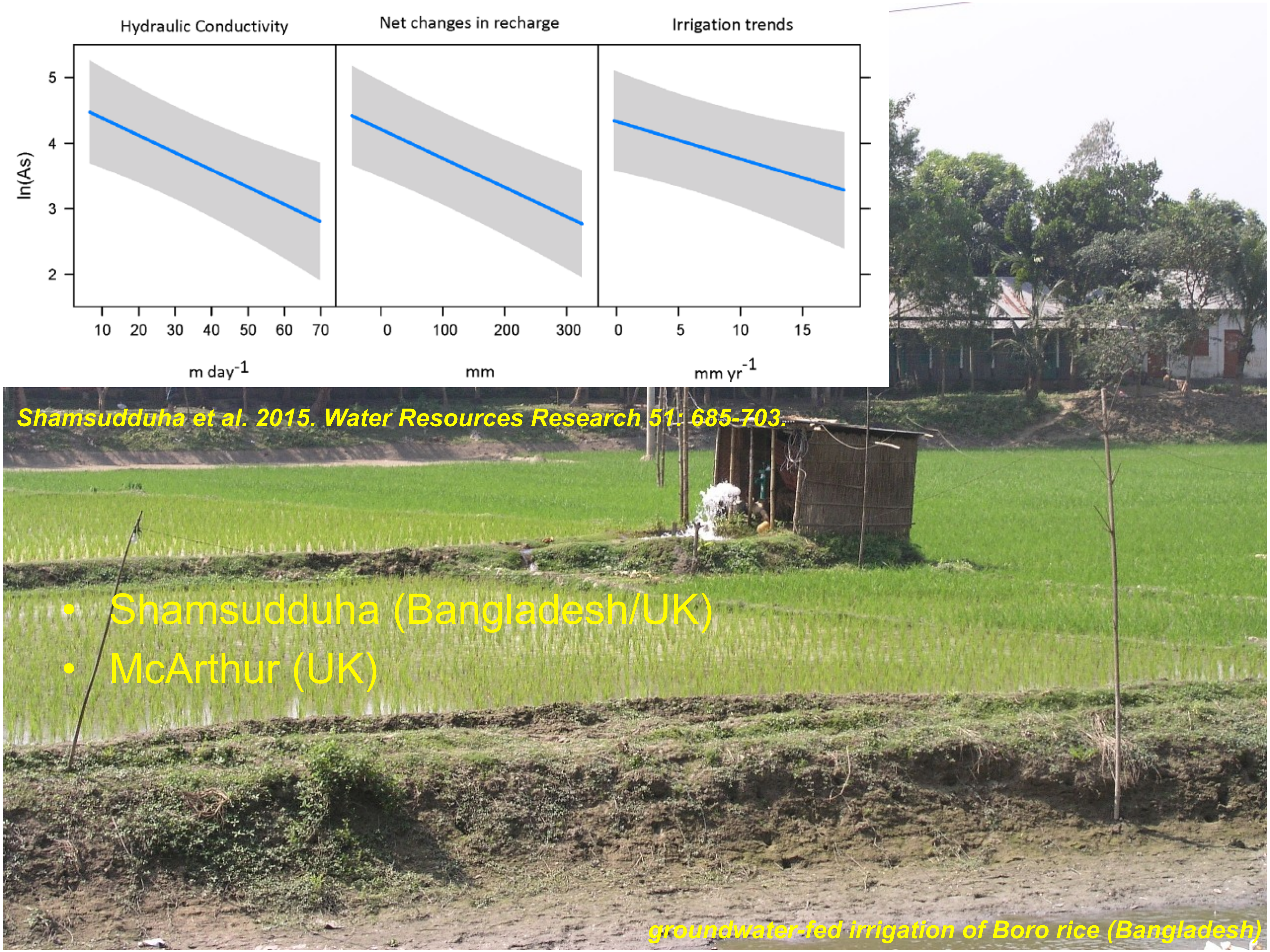
- Kulabako (Uganda)
- Van Foppen (Netherlands)

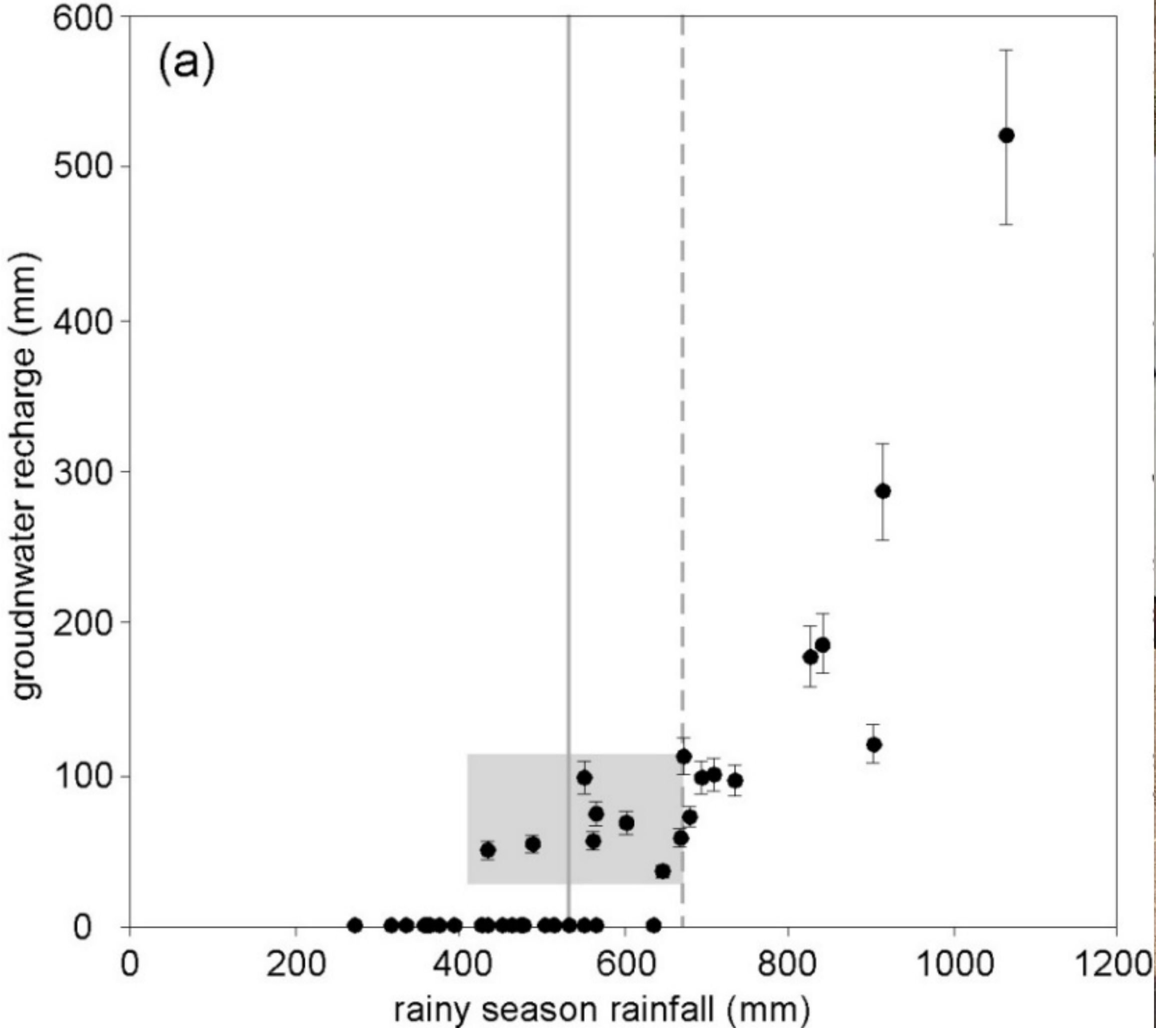


Taylor et al. 2009. IAHS Publication No. 334, pp. 15-19.



Kampala, Uganda


Hydraulic Conductivity
Net changes in recharge
Irrigation trends
ln(As)
5
4
3
2
10 20 30 40 50 60 70
0 100 200 300
0 5 10 15
m day-1
mm
mm yr-1
Shamsudduha et al. 2015. Water Resources Research 51: 685-703.
• Shamsudduha (Bangladesh/UK)
• McArthur (UK)
groundwater-fed irrigation of Boro rice (Bangladesh)

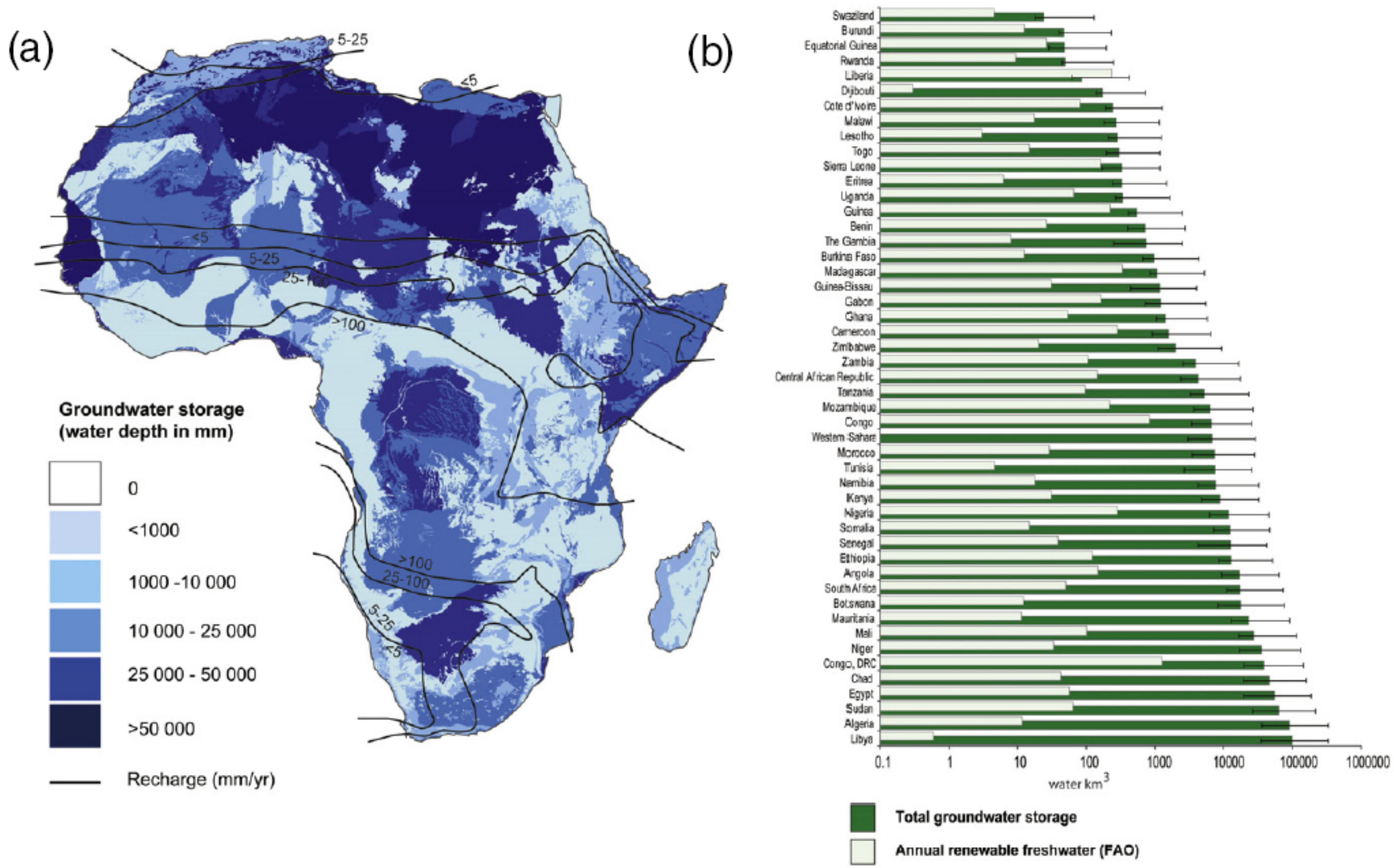


Taylor et al. (2013) Nature Climate Change 3: 374-378.

- Owor (Uganda)

groundwater storage in Africa

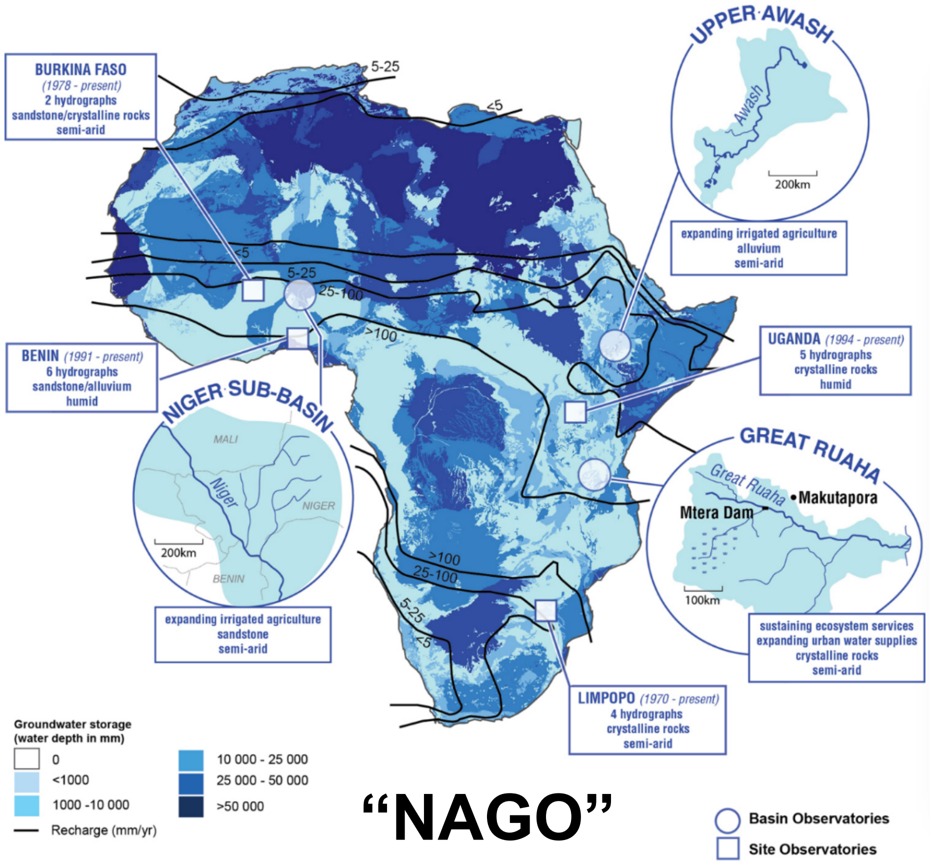
- distributed groundwater storage - 10 to 100 times mean annual river flow



MacDonald et al. (2012) Environmental Research Letters 7: 024009.

GroFutures project

- volume and renewability of groundwater storage under changing climates and land uses – *sustainability of groundwater futures*
- inclusive, participatory framework for groundwater governance in which views of poor women and men and trade-offs are considered



"NAGO"

GroFutures communication

- ***Multi-lingual outputs and dissemination events***
- ***Learning Platforms:*** multi-stakeholder forums across NAGO where ideas on GW development pathways can be embedded in basin planning
- ***Project website:*** www.grofutures.org – access to all knowledge products, links to partners
- ***UPGro Knowledge Broker:*** www.upgro.org

High-impact science

LETTERS

nature climate change

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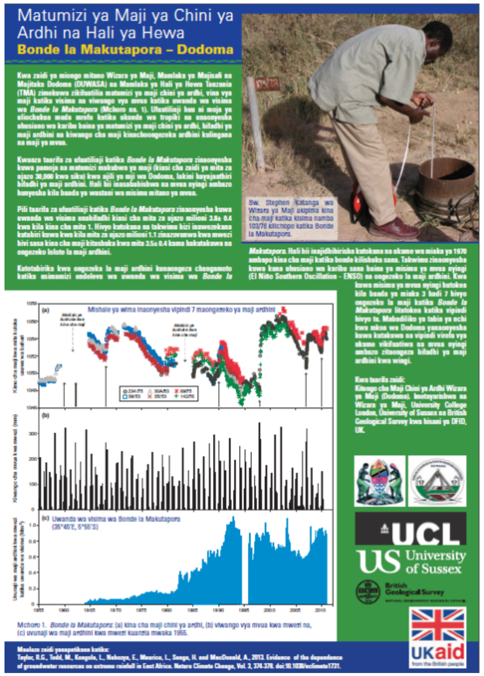
Evidence of the dependence of groundwater resources on extreme rainfall in East Africa

Richard G. Taylor[1]*, Martin C. Todd[2], Lister Kongola[3], Louise Maurice[4], Emmanuel Nahozya[3], Hosea Sanga[3] and Alan M. MacDonald[4]

Policy briefs



Radio

Video