ACROPOLIS WORKSHOP

Tackling climate, fragility & finance challenges for the 2030 Agenda for Sustainable Development

ACademic Research Organisation for POLicy Support (ACROPOLIS) for the Belgian Development Cooperation

Bruno Verbist, KLIMOS

Egmont Palace – 20 April – 1000 Brussel
SDG’s 5 main areas

- Planet
- Environment
- People
- Society
- Prosperity
- Economy
- SDG 16: Peace
- SDG 17: Partnerships
2030 Agenda for Sustainable Development

1 Agenda
5 Main Areas
17 Goals
169 Targets
240 Indicators

1 No Poverty
2 No Hunger
3 Good Health
4 Quality Education
5 Gender Equality
6 Clean Water and Sanitation
7 Renewable Energy
8 Good Jobs and Economic Growth
9 Innovation and Infrastructure
10 Reduced Inequalities
11 Sustainable Cities and Communities
12 Responsible Consumption
13 Climate Action
14 Life Below Water
15 Life on Land
16 Peace and Justice
17 Partnerships for the Goals

THE GLOBAL GOALS
For Sustainable Development
Sustainability – ACROPOLIS - SDG’s

KLIMOS 13, 7, 15

Aid effectiveness and Fragility 16

BE-Find 17
ACROPOLIS KLIMOS
Generating Capacity for the Sustainability Transition

www.kuleuven.be/klimos
Environment: Is there a problem?

Planetary boundaries
Annual mean growth rate of CO$_2$ at Mauna Loa

Source: NOAA, March 2017; Washington Post, 13 March 2017
Research paper

Trees, forests and water: Cool insights for a hot world

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Research paper

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Groundwater recharge
rainfall from terrestrial origin (recalculated by Basilovich al.)

Approximately a third comes from ‘local’ sources

1) Mackenzie river basin, 2) Mississippi river basin, 3) Amazon river basin, 4) West Afri-ca, 5) Baltics, 6) Tibet, 7) Siberia, 8) GAME (GEWEX Asian Monsoon Experiment) and 9) Huaihe river basin.

Origin and fate of atmospheric moisture over continents

Rudi J. van der Ent, 1 Hubert H. G. Savenije, 1 Bettina Schaefli, 1 and Susan C. Steele-Dunne 1

Figure 1. Global topography: height above Mean Sea Level (MSL), major rivers, and average horizontal (vertically integrated) moisture flux (1999–2008).
Why India and China should invest in draining the Sudd and letting the water evaporate in Egypt instead… and why West Africa should be opposed to it
Conclusion

• Fossil fuel emissions: largest cause for climate change

• Forest: important from a carbon perspective, but other functions (cooling, groundwater recharge, biodiversity, ...) become far more important
Thanks for your attention

• Questions?