

IEA Bioenergy Task 43 workshop

Bioenergy and Water



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IEA Bioenergy Task 43

Task 43 Focus Topic "Bioenergy and Water"

"Spotlight on Bioenergy and Water"

International workshop in Paris, July 2010
organized by UNEP, Oeko Institute and Task 43

Targets and Solutions Group on biofuels and water (TSG7)

Task 43 workshop "Bioenergy and Water"

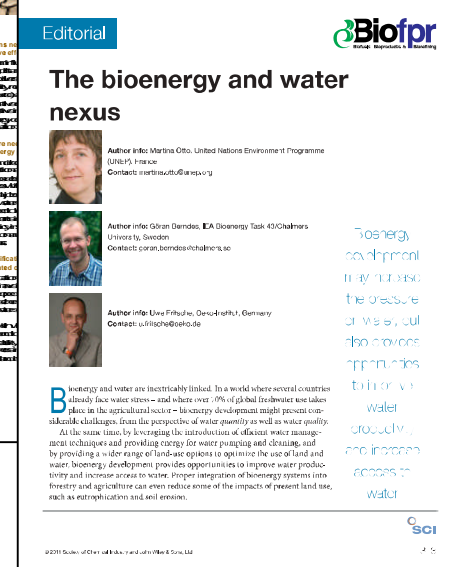
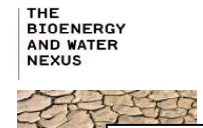
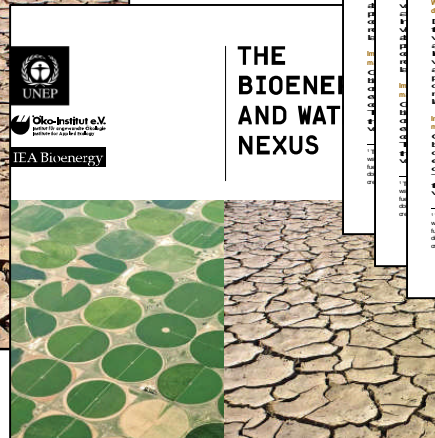
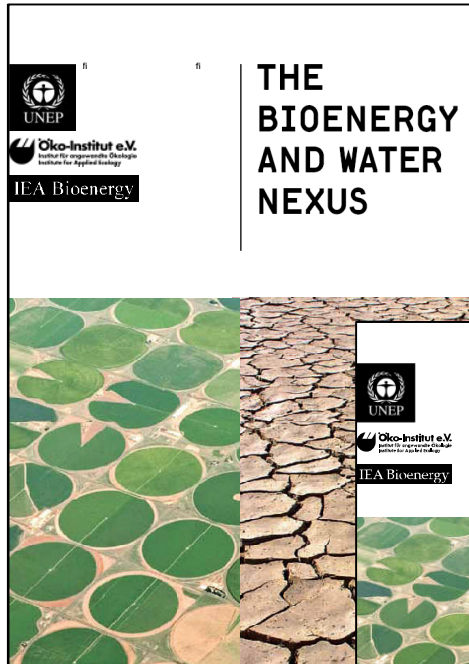
International workshop within Bioenergy Australia Annual Conference 2011

TSG7 Session "Biofuels and Water"

6th World Water Forum in Marseille, March 2011

RIO +20 Conference in Rio, June 2012

Task 43 Focus Topic "Bioenergy and Water"



Editorial

The bioenergy and water nexus



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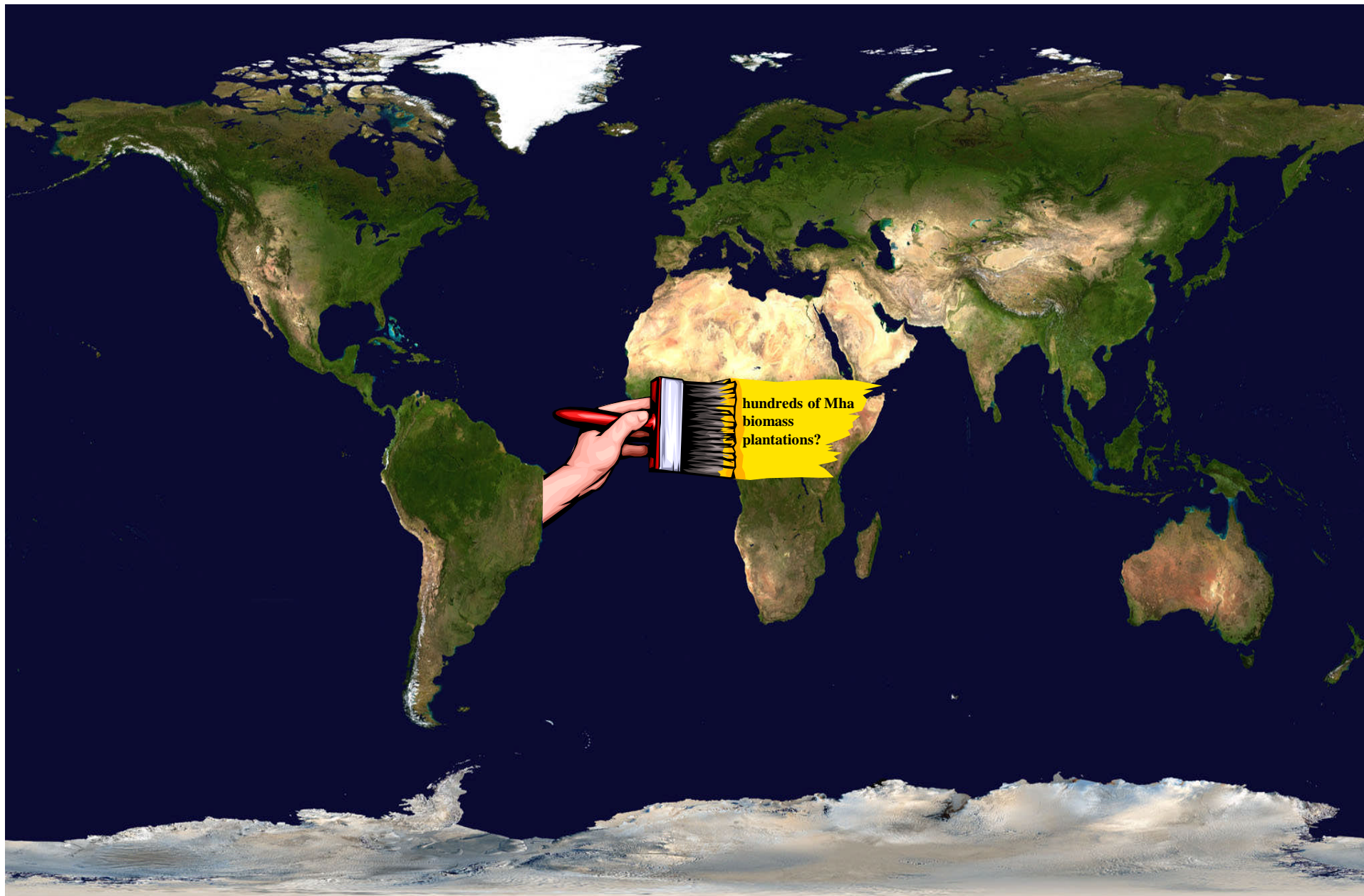
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Bioenergy and water are inextricably linked. In a world where several countries already face water stress – and where over 70% of global freshwater use takes place in the agricultural sector – bioenergy development might present considerable challenges, from the perspective of water quantity as well as water quality. At the same time, by leveraging the introduction of efficient water management techniques and providing energy for water pumping and desalination, and by providing a wider range of land-use options to optimize the use of land and water, bioenergy development provides opportunities to improve water productivity and increase access to water. Proper integration of bioenergy systems into forestry and agriculture can even reduce some of the impacts of present land use, such as eutrophication and soil erosion.

Bioenergy development may not solve the pressure on water, but bioenergy can provide additional water productivity and increase access to water.

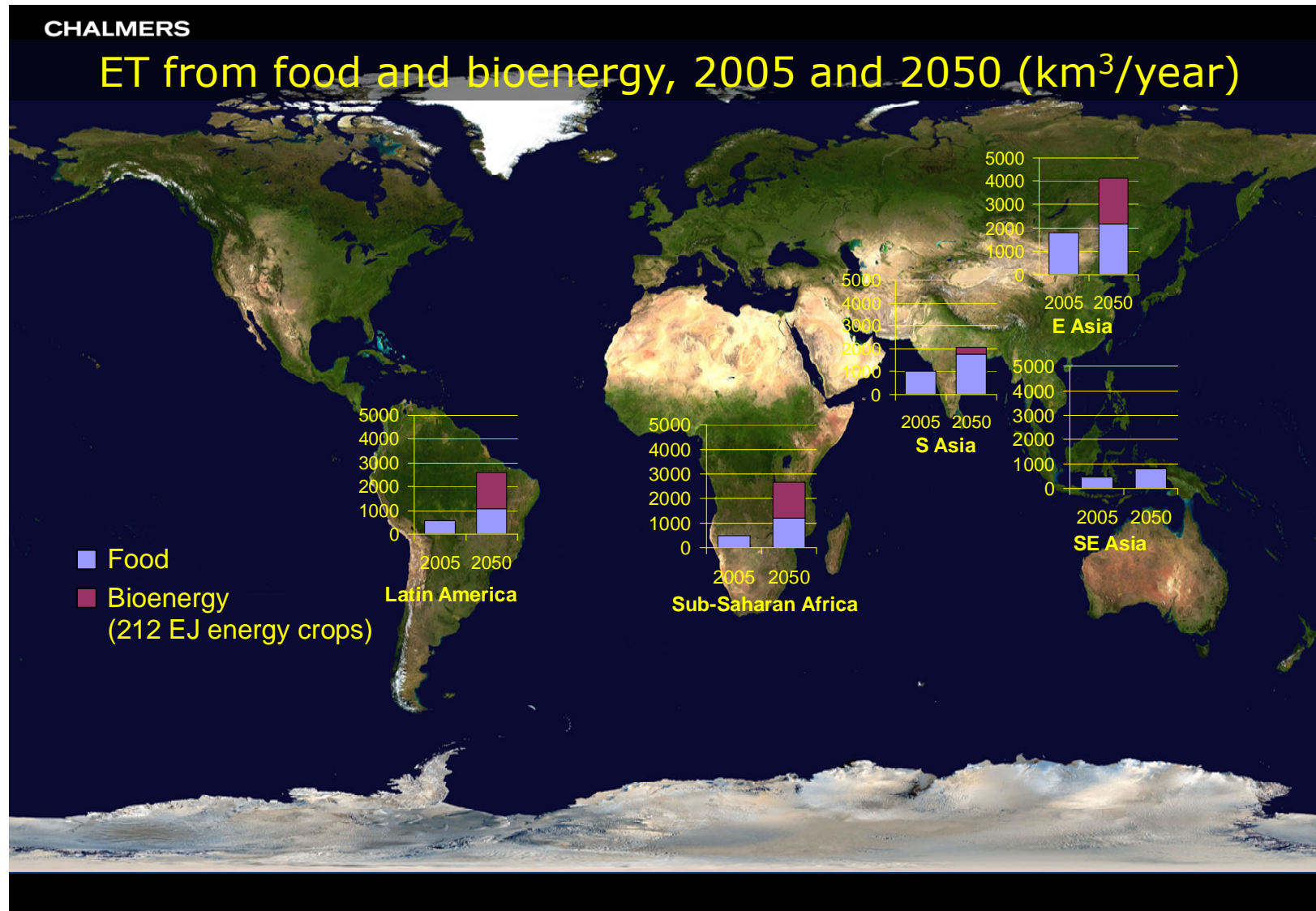


hundreds of Mha
biomass
plantations?

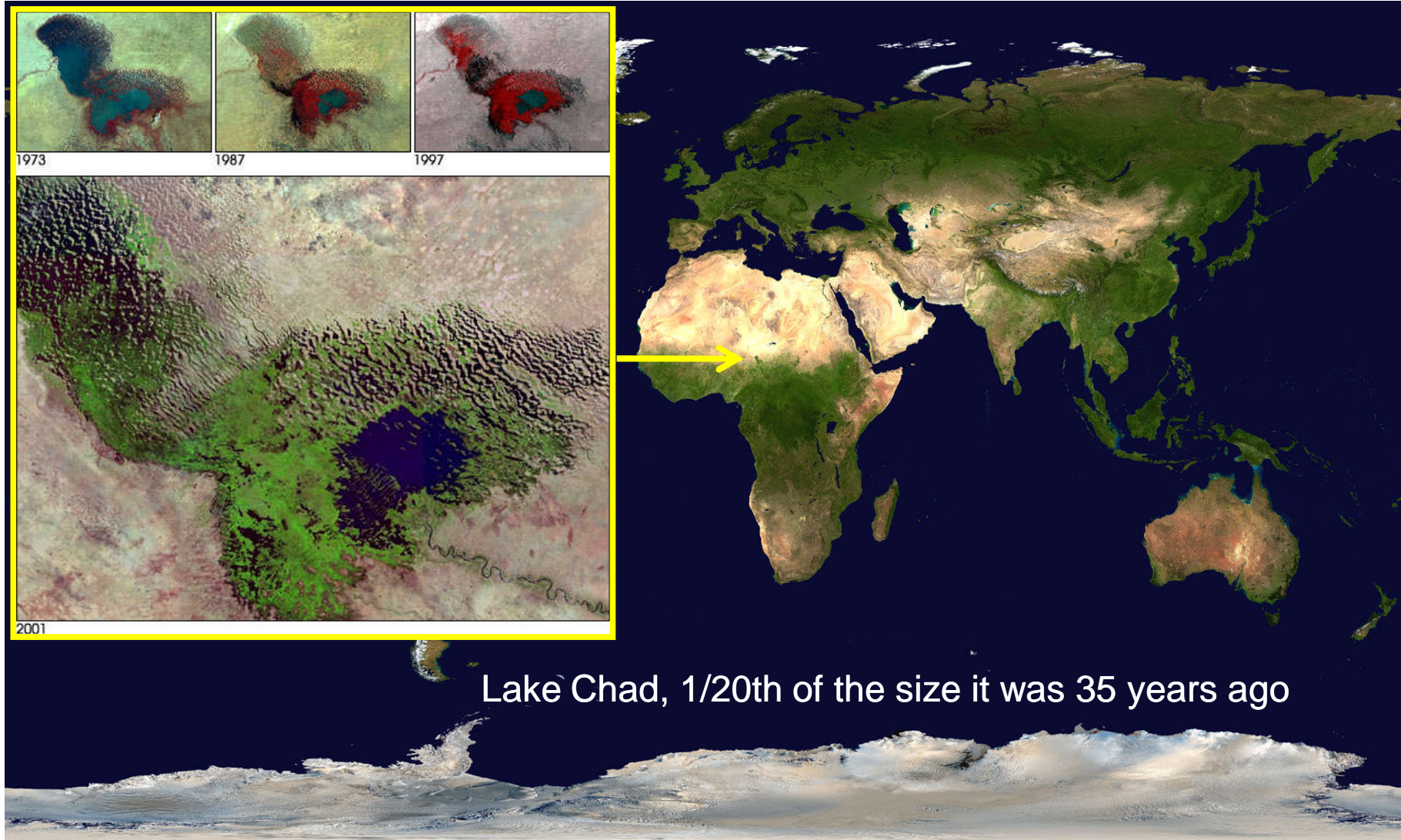
Water implications of bioenergy



Water implications of bioenergy



Water implications of bioenergy



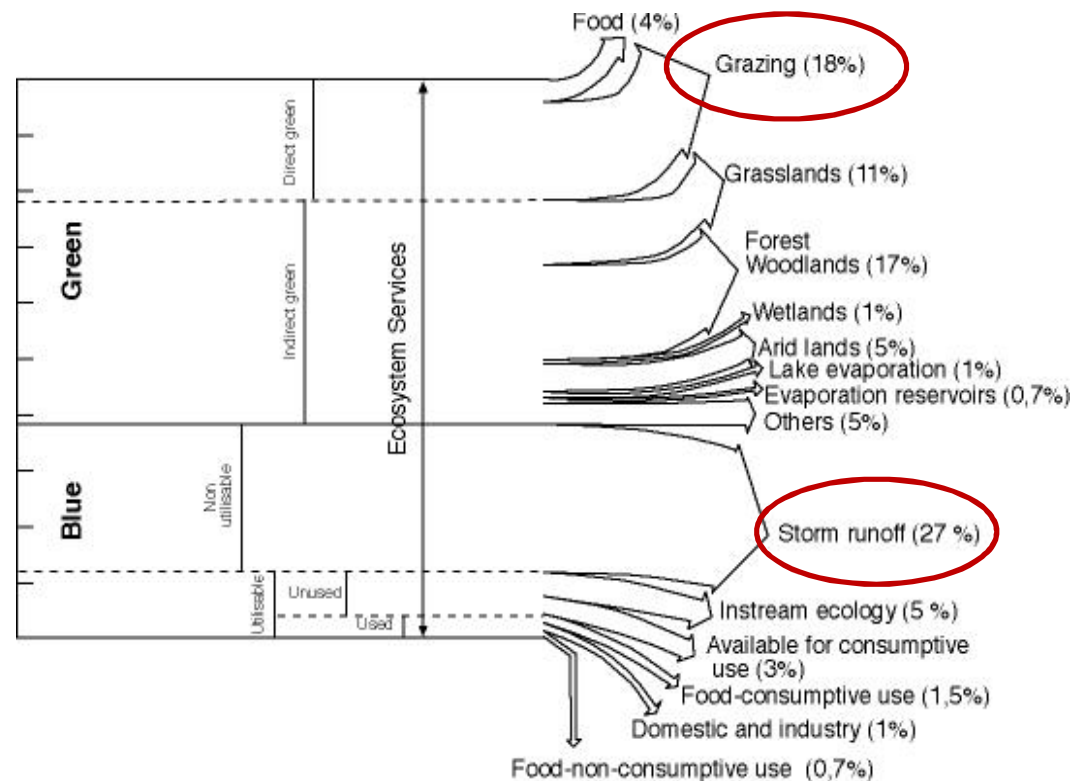
Role of bioenergy in strategies to...

- Increase productive use of blue/green water flows
- Improve water productivity in agriculture



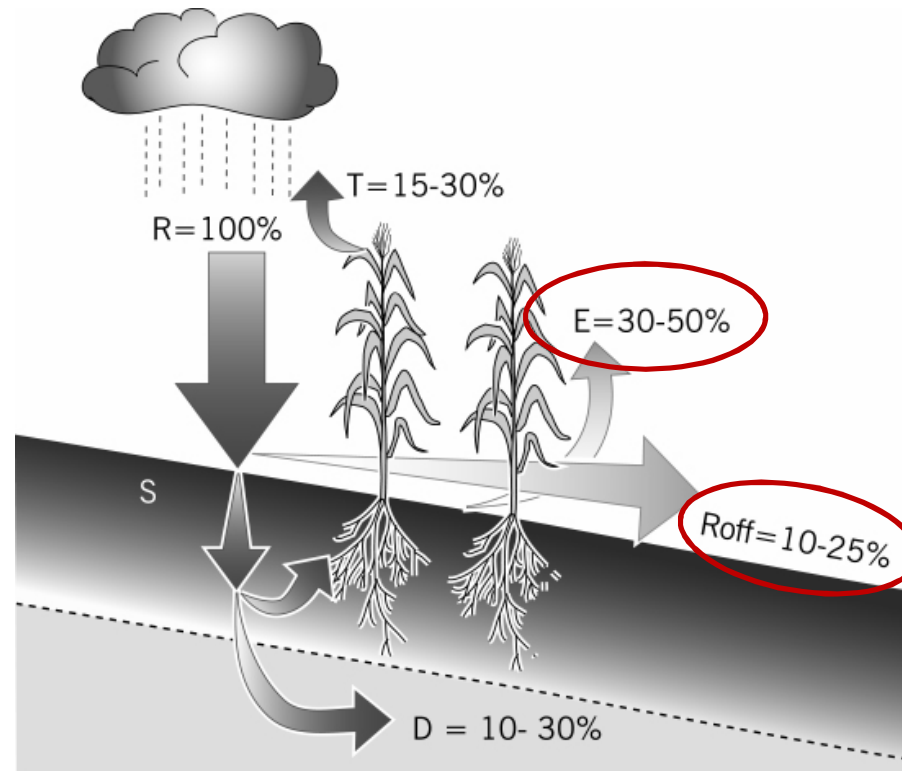
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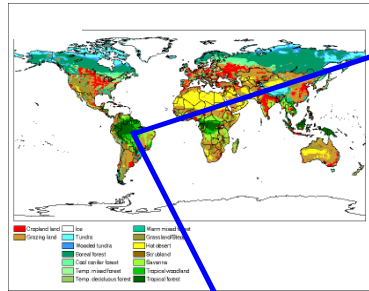
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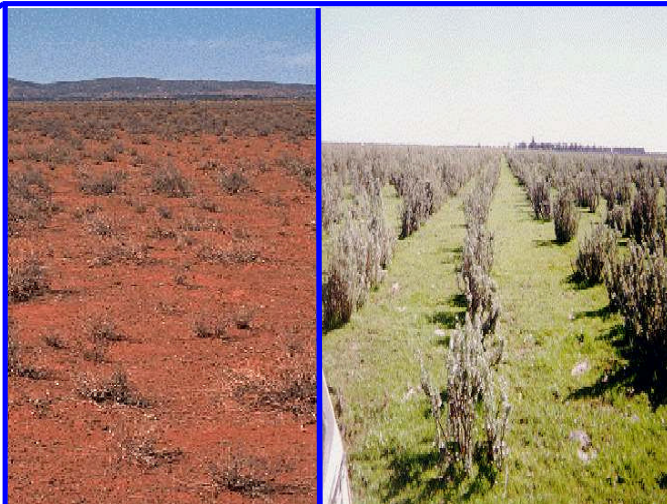
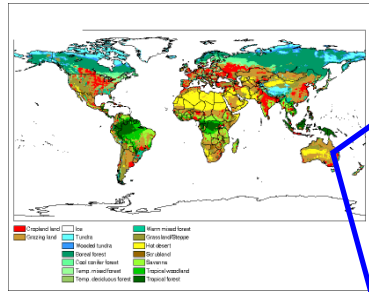


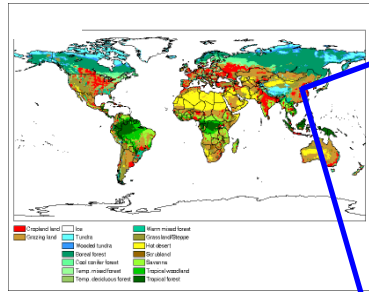
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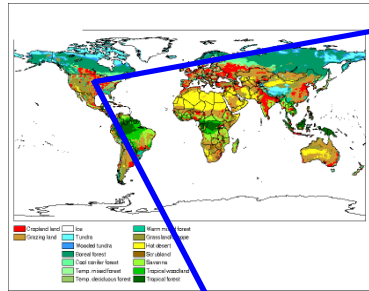
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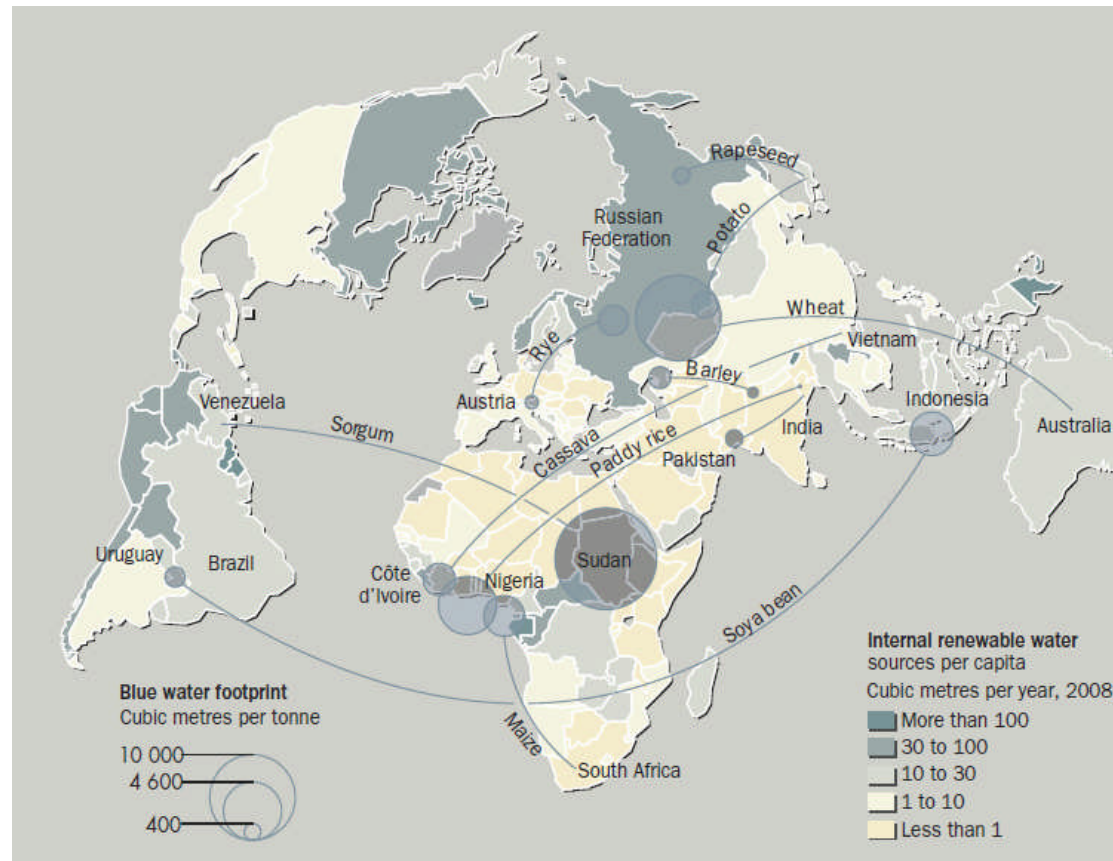




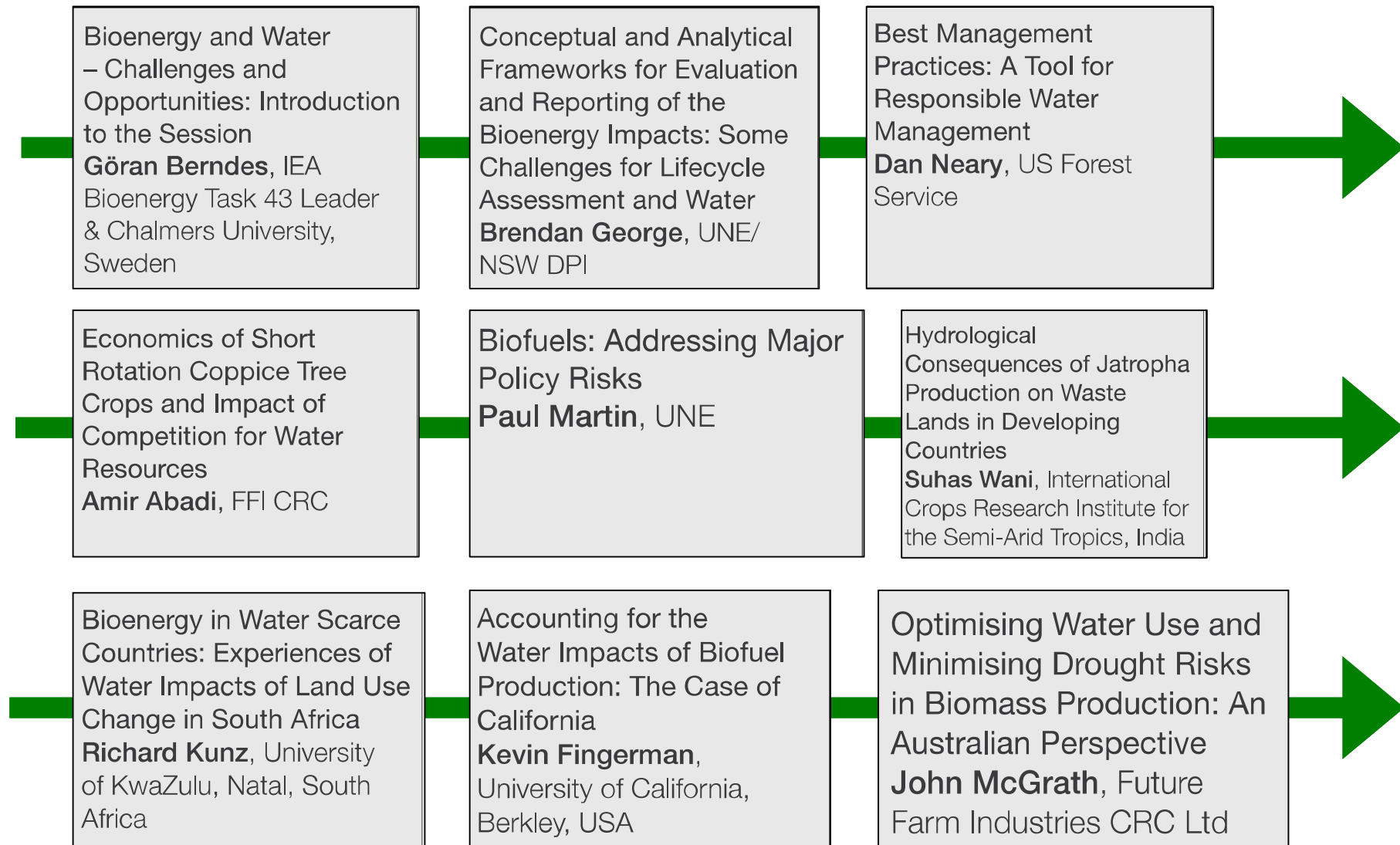




Water indicators...



T43 Workshop Program



T43 Workshop Program

