



Ministry of Foreign Affairs of the
Netherlands

Water Productivity *Towards a stable world*

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Case: Water in Yemen





Towards a stable world: What are the causes of instability?

1. Ideological differences

2. Global inequality GPG



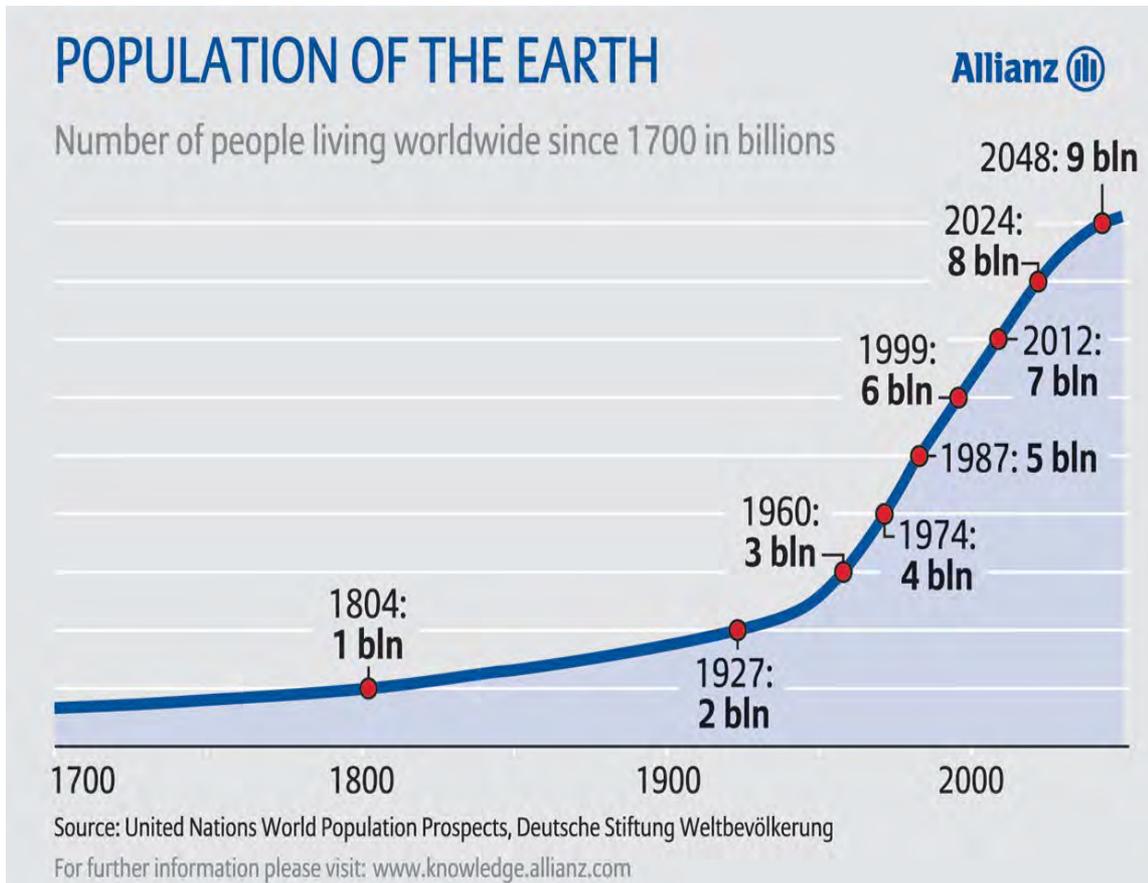
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CARTOON
MOVEMENT



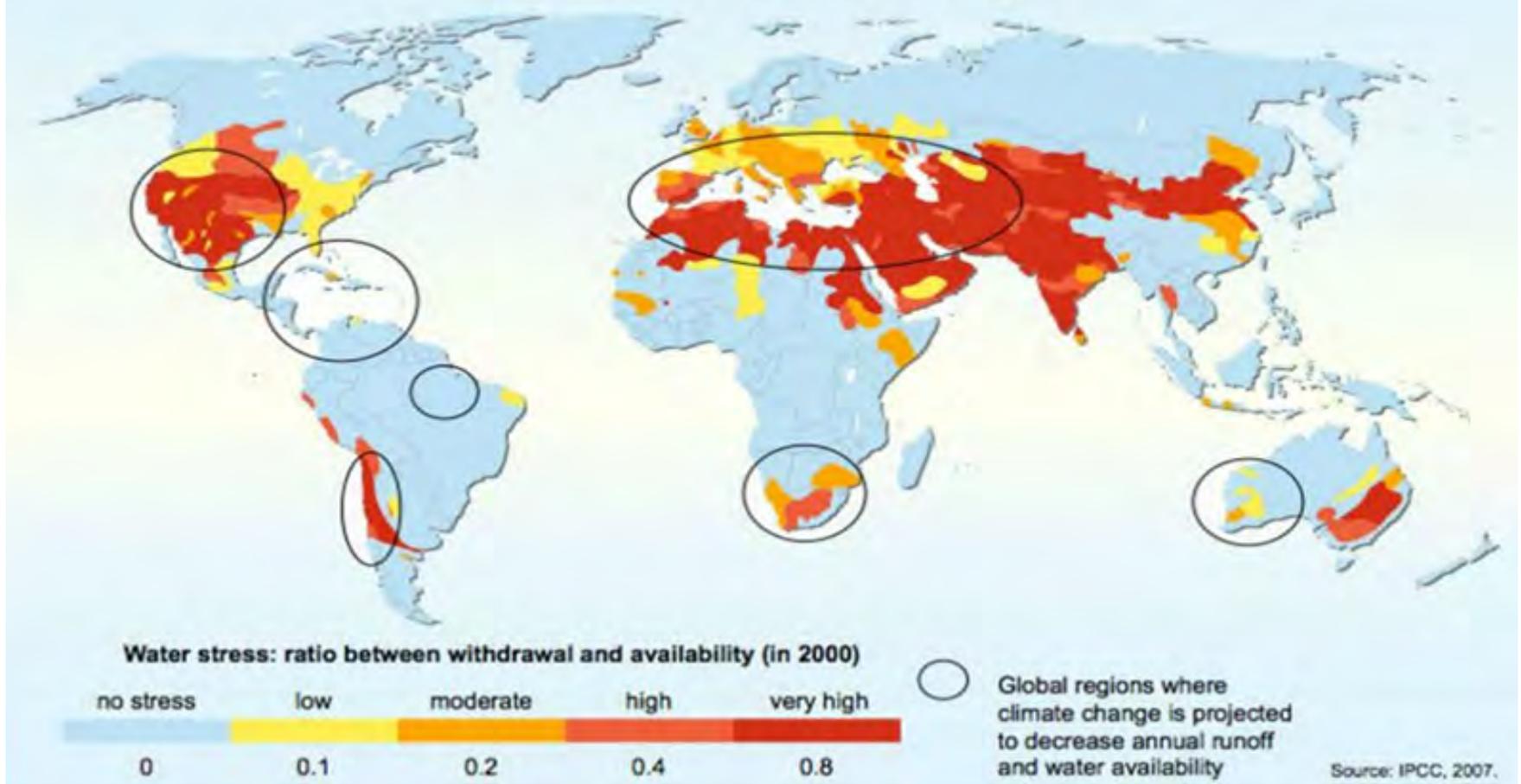


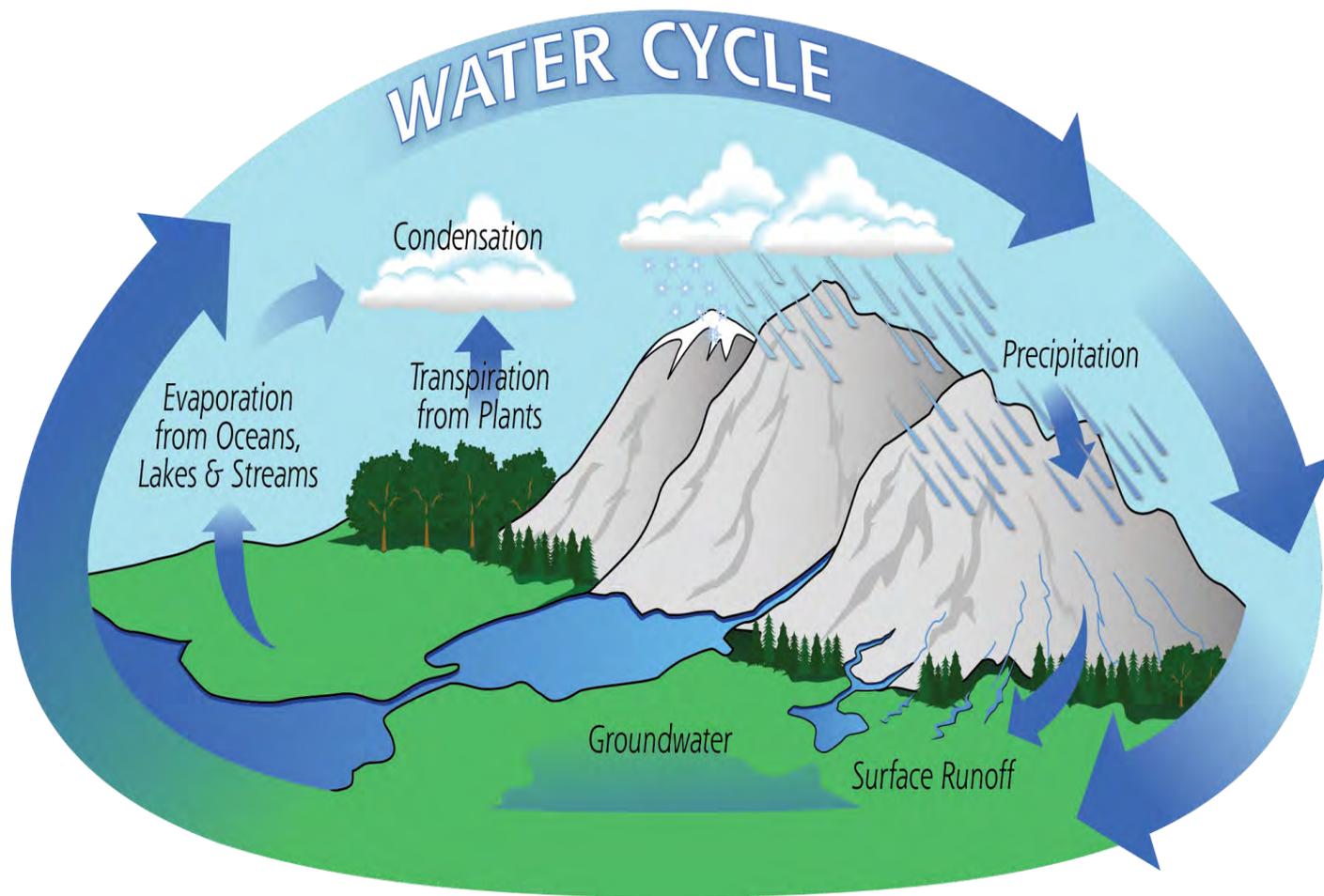
And an increasing world population





Water stress and climate change







The Netherlands: Taking up the challenge

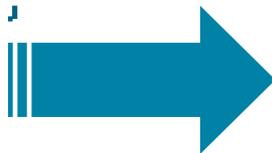


6 CLEAN WATER & SANITATION

Ensure availability and sustainable management of water and sanitation for all

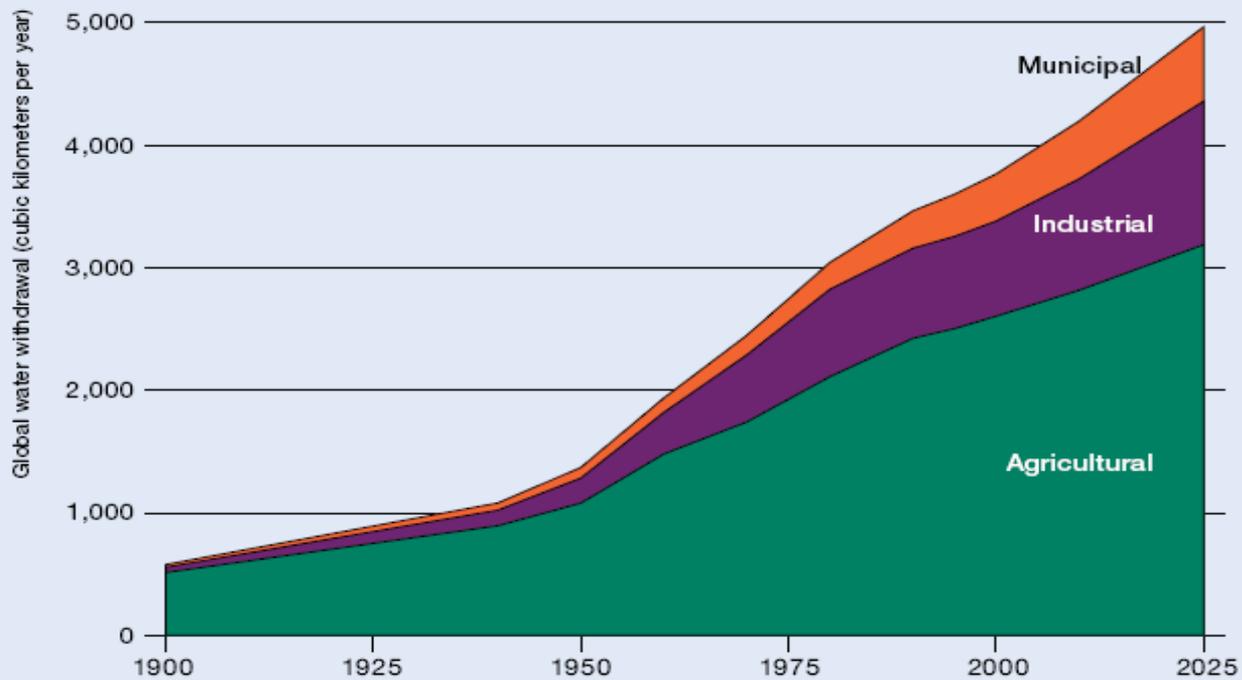


Targets for IGG Water



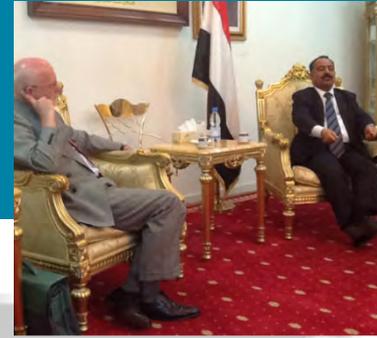


Focus on the main water consumers



Source: Shiklomanov 2000.

Back to Yemen: The request for an open database



Yemen Parliament members

Consultations diplomatic level

Invitation by Speaker of the
Parliament¹ FAO and EKN

Request for introduction of a cloud
based database to measure Land and
Water productivity





Water Productivity - Process of info from satellite to user





March 2015: FAO agreement for a database



- Open source
- Objective
- Near real time

Reach of the Database

Database

- I. Continental level
- II. Country river basin level
- III. Irrigation scheme level





Partner Countries with a Water programma

Bangladesh

Benin

Ethiopia (food
security)

Ghana

Indonesia

Kenya

Mali

Mozambique

Palestine territor

Rwanda

South Sudan

Yemen

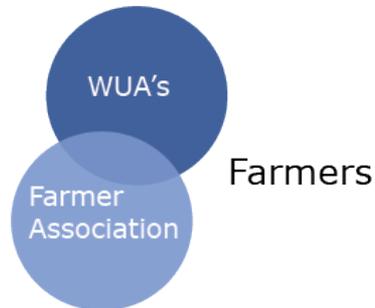
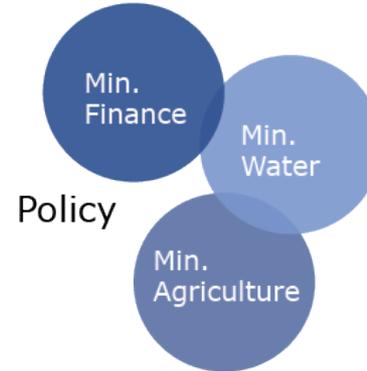


Stakeholders



Increase transparency on water use, create evidence-based news

Assessment overall availability, long-term planning, valorisation of water



Decision-making in investments, crop choice, water infrastructure

Assisting of farmers in related aspects such as improved seedlings, risk management in insurances

Improving WP with small scale irrigators in Ethiopia

Farmer Liyu Fetene:
“The Wetting Front
Detector helped us
save time and labor
by reducing
irrigation frequency
without affecting the
growth and
performance of the
crops,”

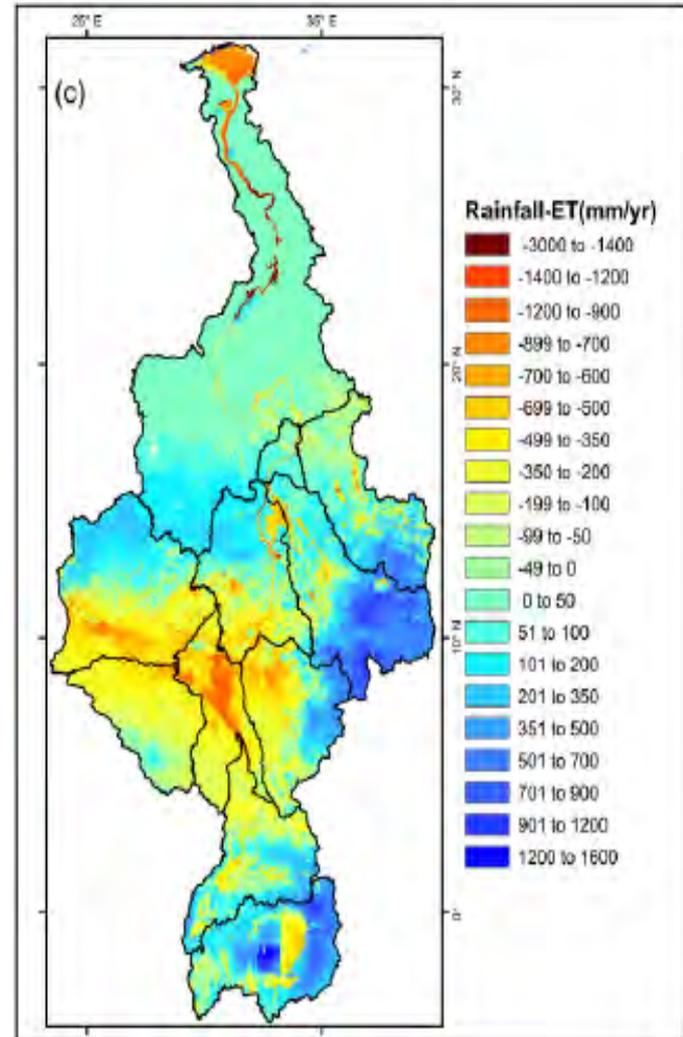
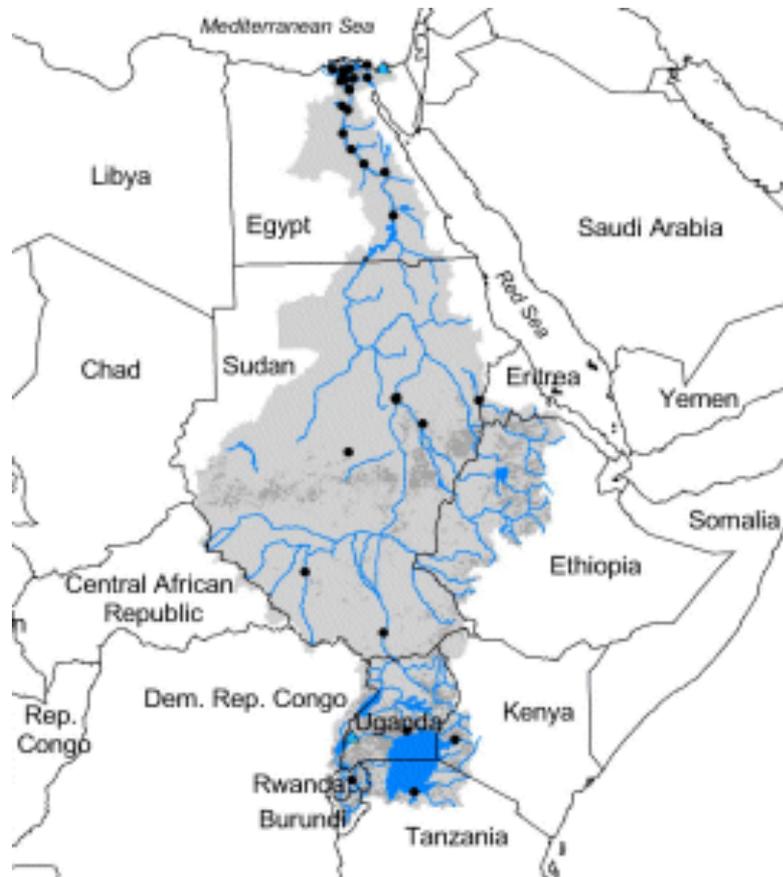


Photo credit: Tadesse Desalegne / IWMI

P. Schmitter, A. Hailelassie, Y. Desalegn, A. Chali, S. Tilahun, S. Langan, J. Barron



Nile Basin



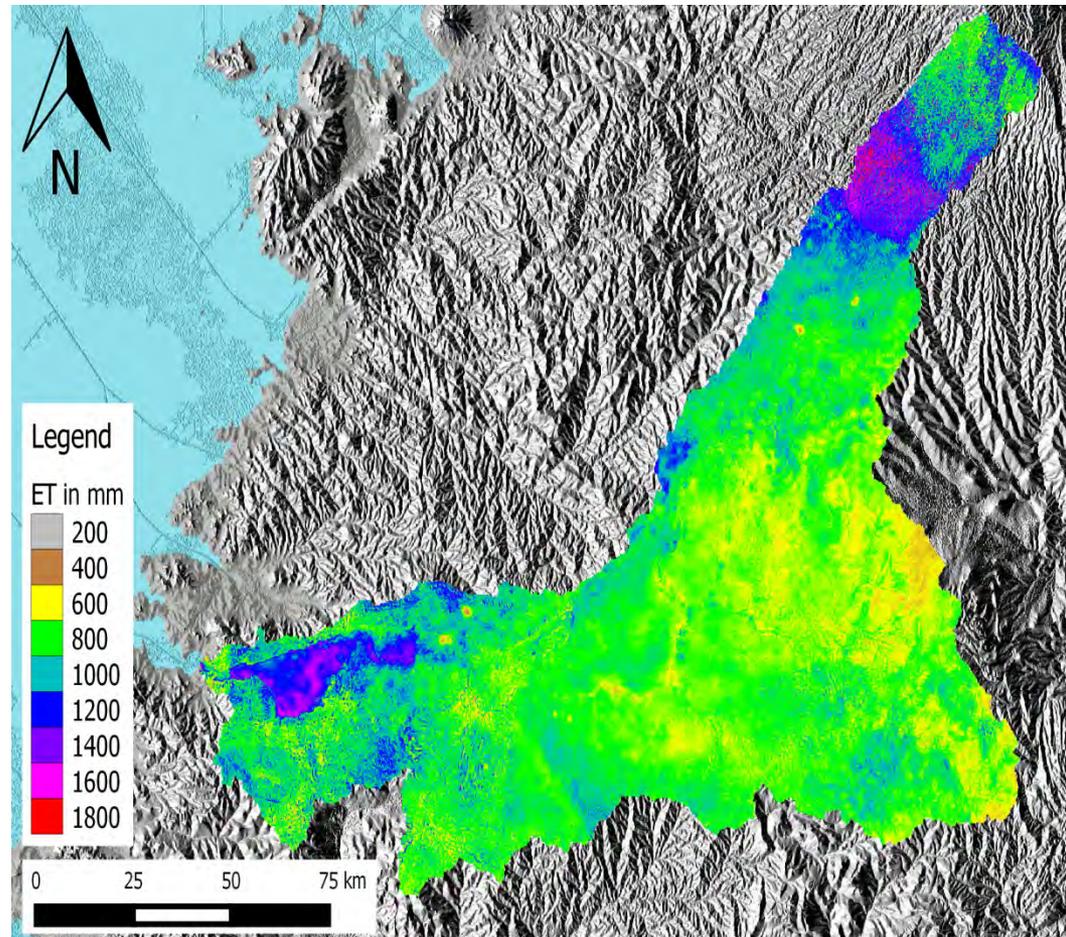


Notes

Questions

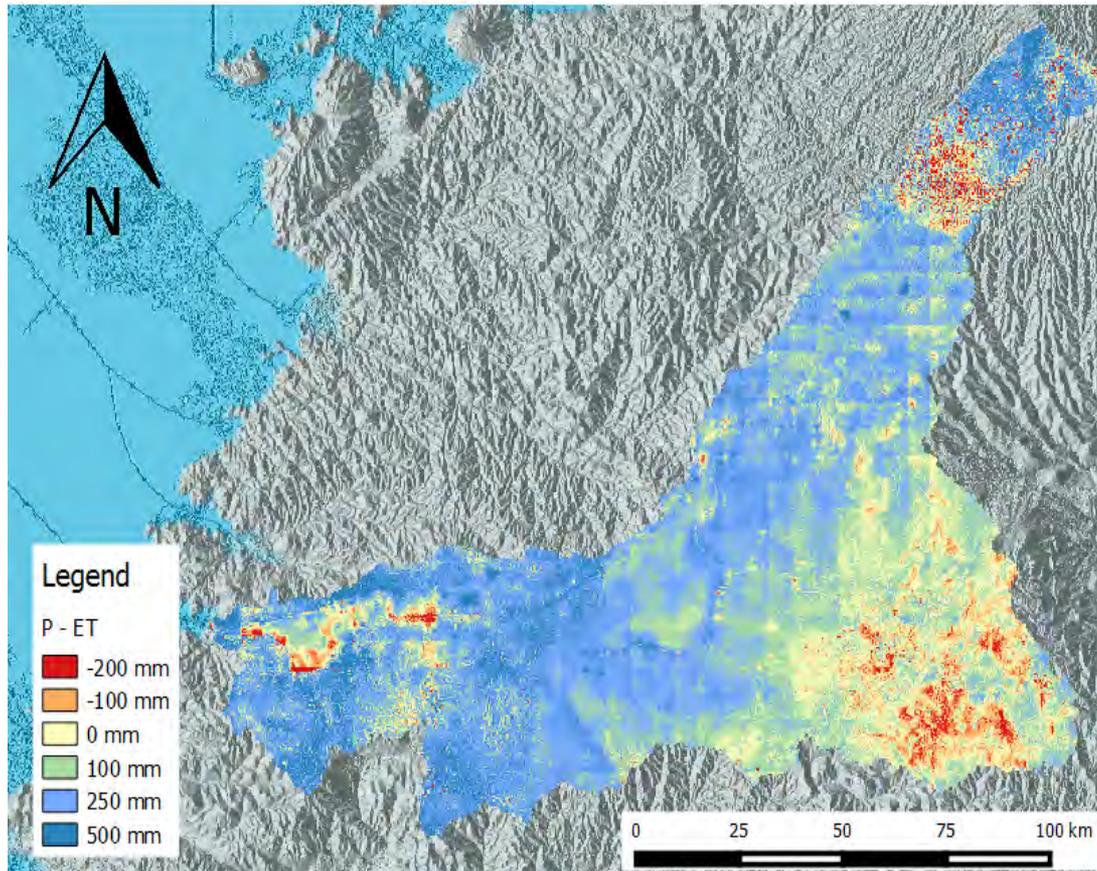


Mara Basin 2014: Annual ET variability



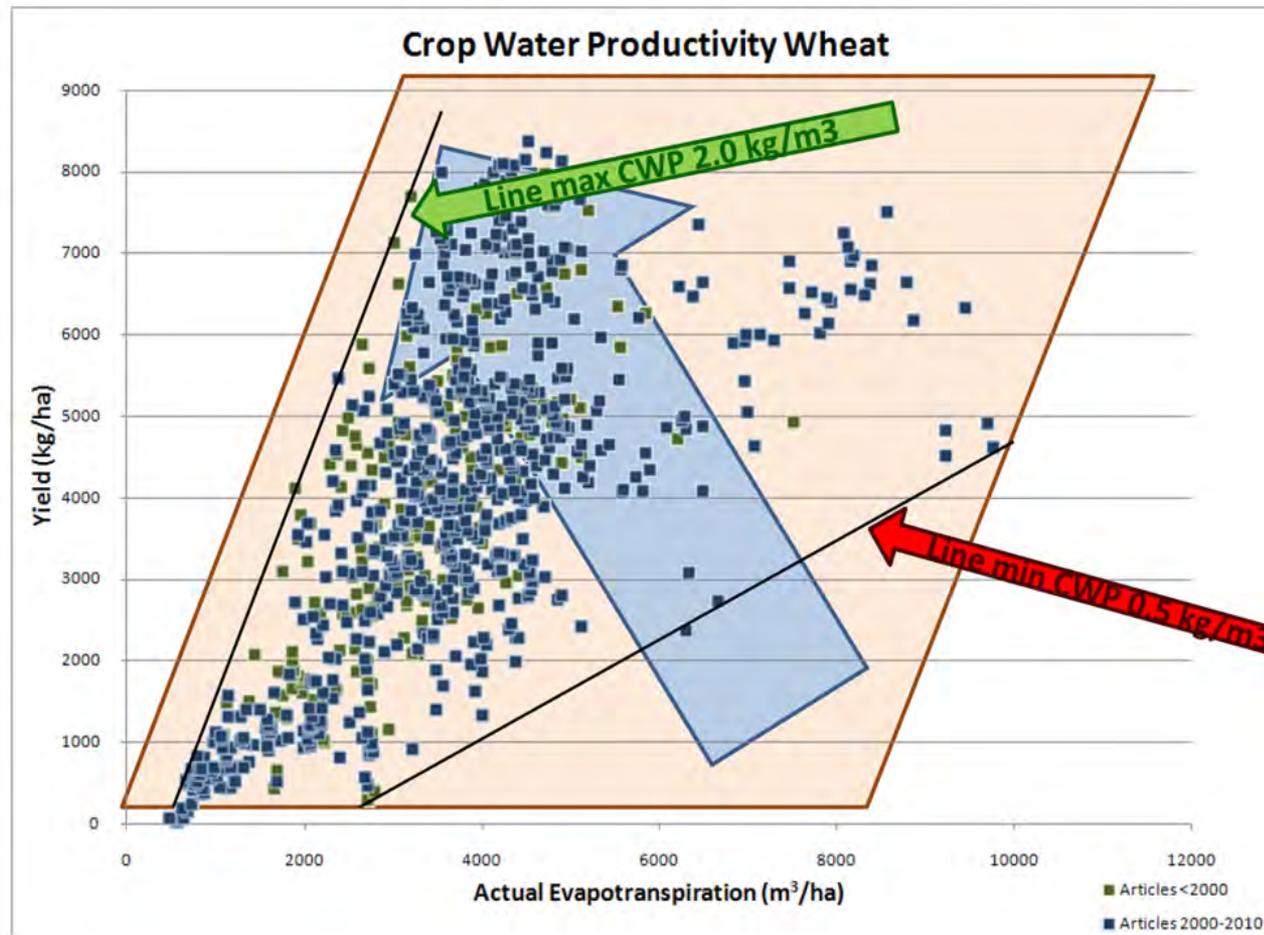


Annual Water Yield (P – ET)





International literature review





The farm

stakeholders



Policymaker



W**P** water productivity



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