

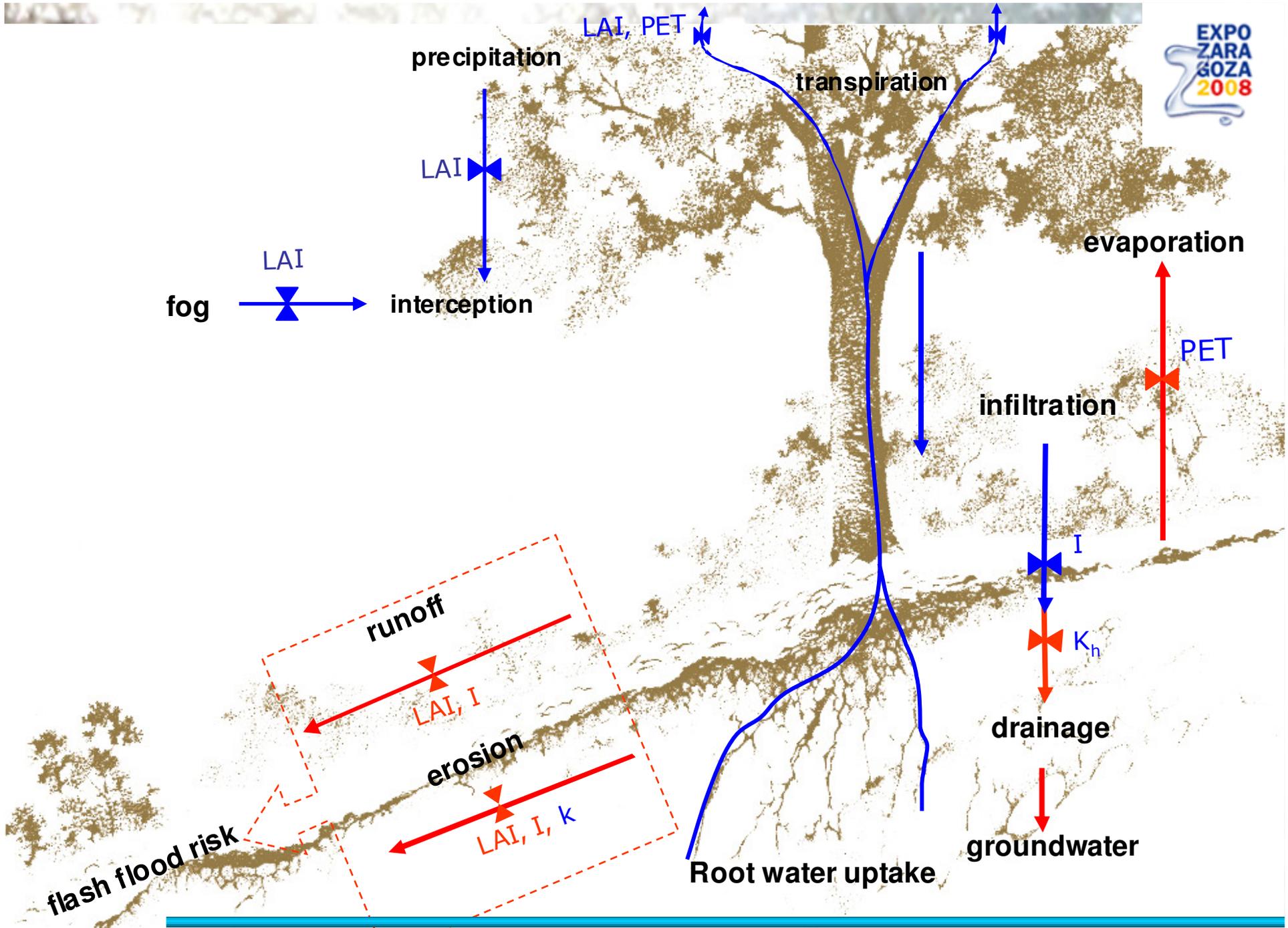


Water and Land

1. Land Use Planning, Forest Cover and Afforestation

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Fundación CEAM

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precipitation

LAI, PET

transpiration

evaporation

PET

infiltration

runoff

erosion

flash flood risk

groundwater

drainage

Root water uptake

fog

interception

LAI

LAI, I

LAI, I, k

I

K_h

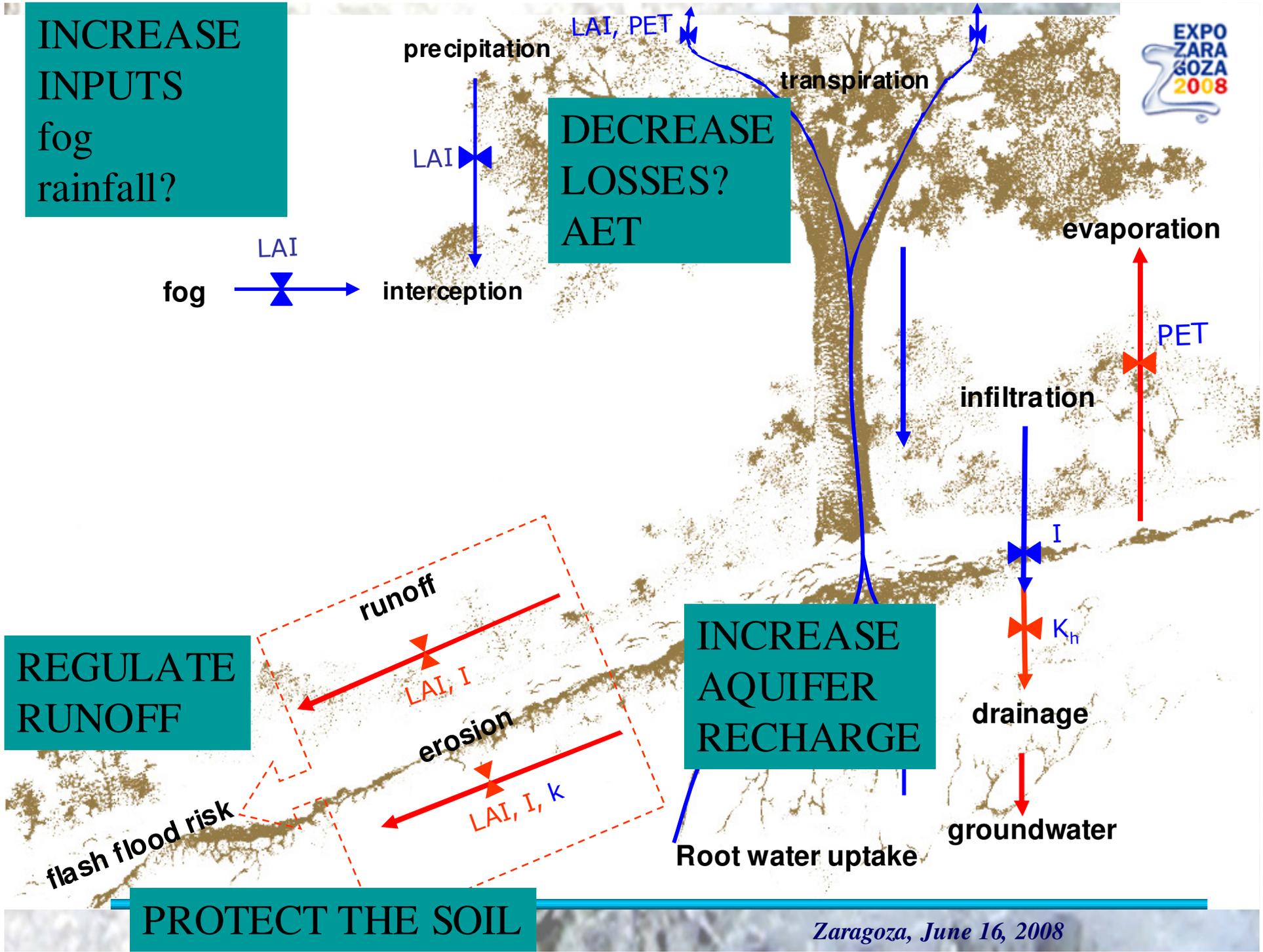
INCREASE
INPUTS
fog
rainfall?

DECREASE
LOSSES?
AET

REGULATE
RUNOFF

INCREASE
AQUIFER
RECHARGE

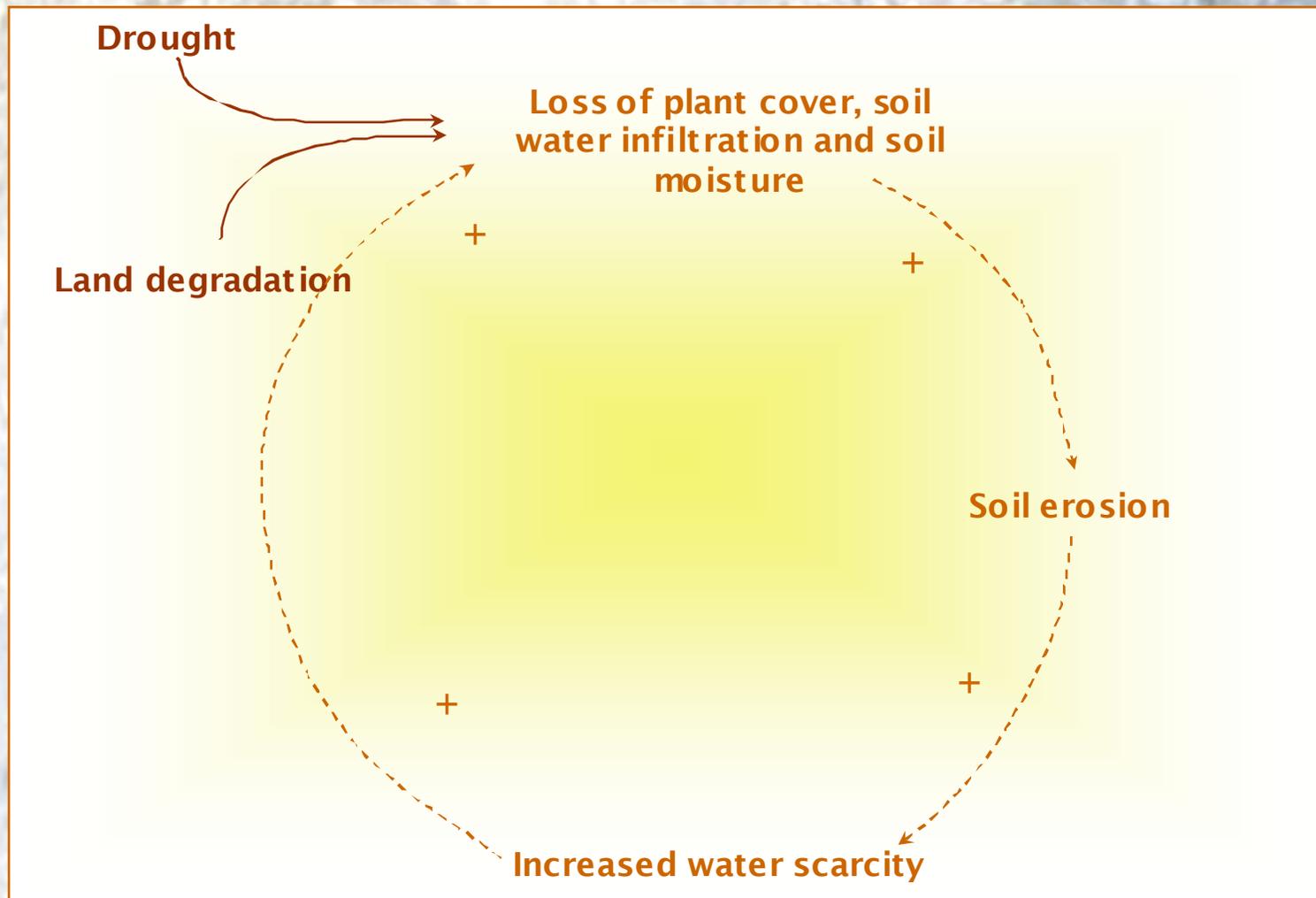
PROTECT THE SOIL



Abandonment of crops in terraces in semi-arid climate..

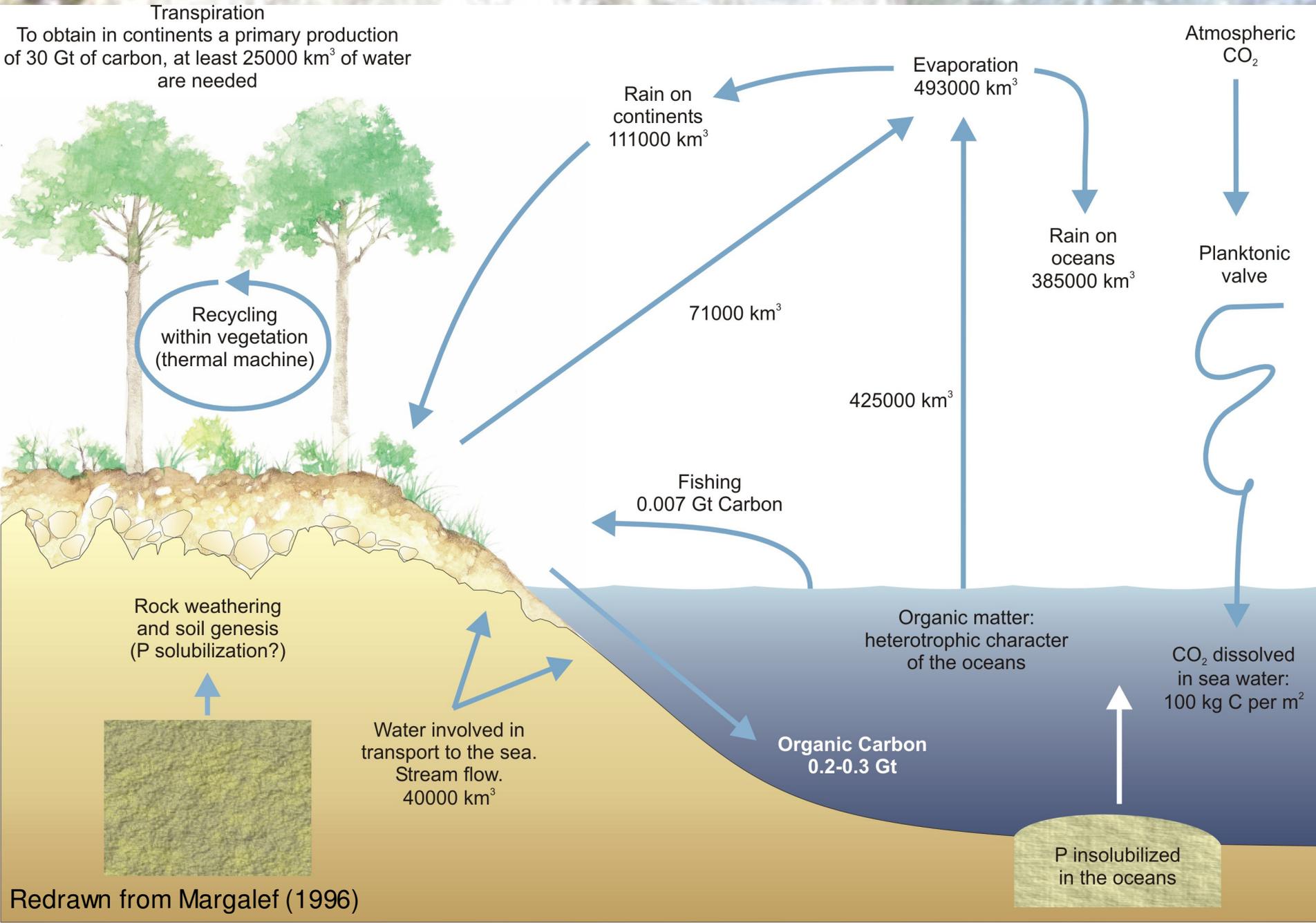


DESERTIFICATION



Improvement of water availability is necessary to restore desertified lands

Land Use Planning, Forest Cover and Afforestation



- How managing water for preserving land productivity and ecosystems?
- How managing land to improve water resources?
 - Techniques to increase water inputs and reserves
 - Triggering local precipitation, fog capture, deep recharge
 - The role of forests
 - Afforestation of drylands to combat desertification
 - Land planning, analysis of scenarios, and evaluation of alternatives
 - Water Policies and Policies affecting water
 - integrated water resources management