

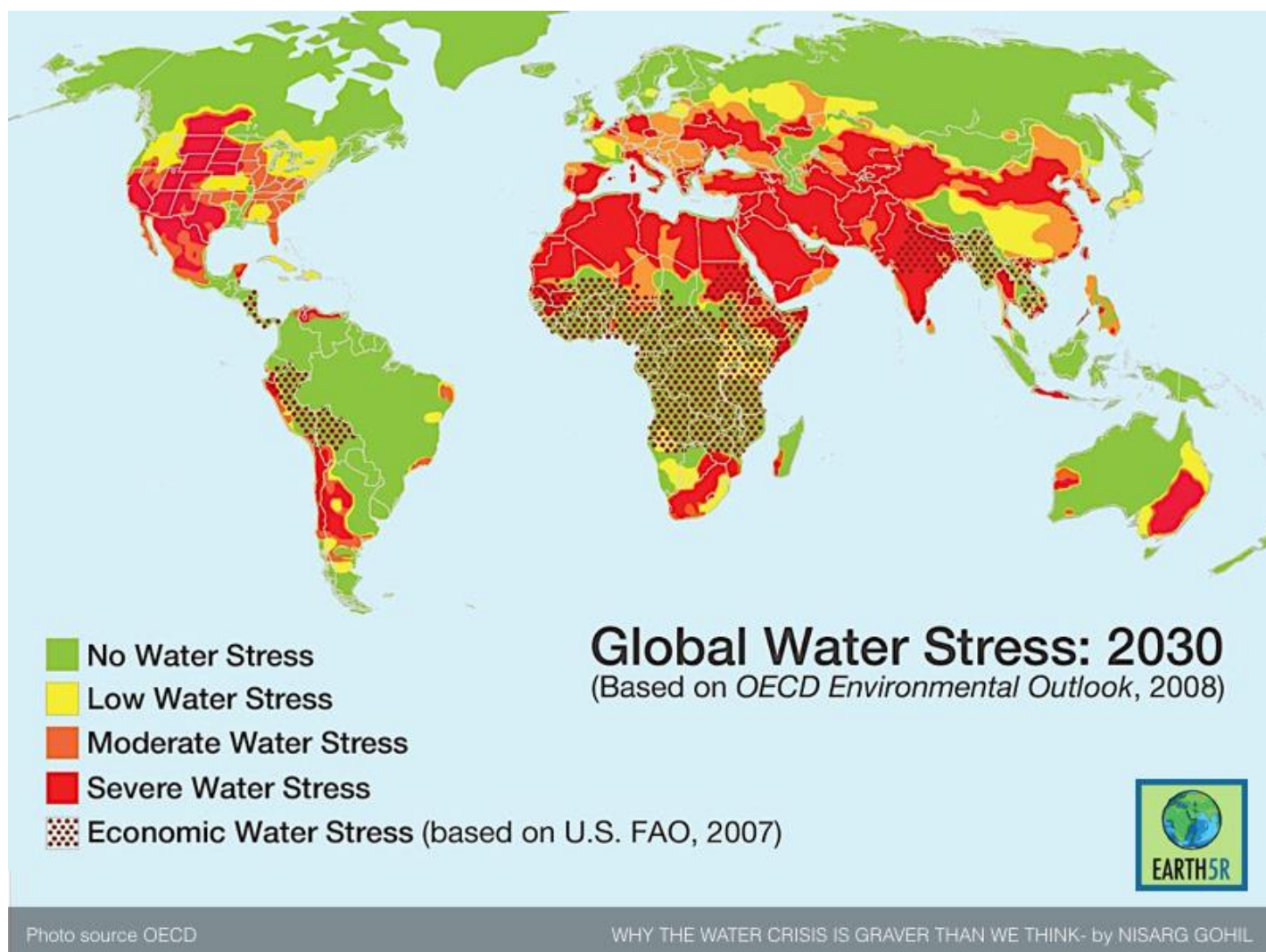


Water4ever

"The authors would like to thank the EU and (enter National funders names) for funding, in the frame of the collaborative international consortium (consortium acronym) financed under the ERA-NET Cofund WaterWorks2015 Call. This ERA-NET is an integral part of the 2016 Joint Activities developed by the Water Challenges for a Changing World Joint Programme Initiative (Water JPI)."

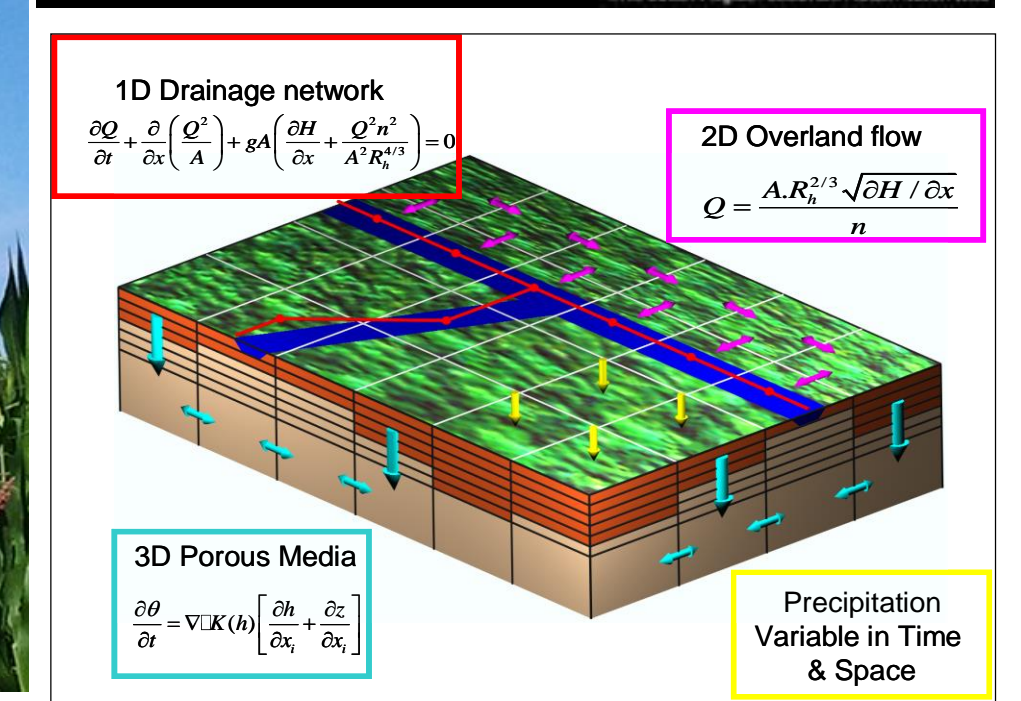
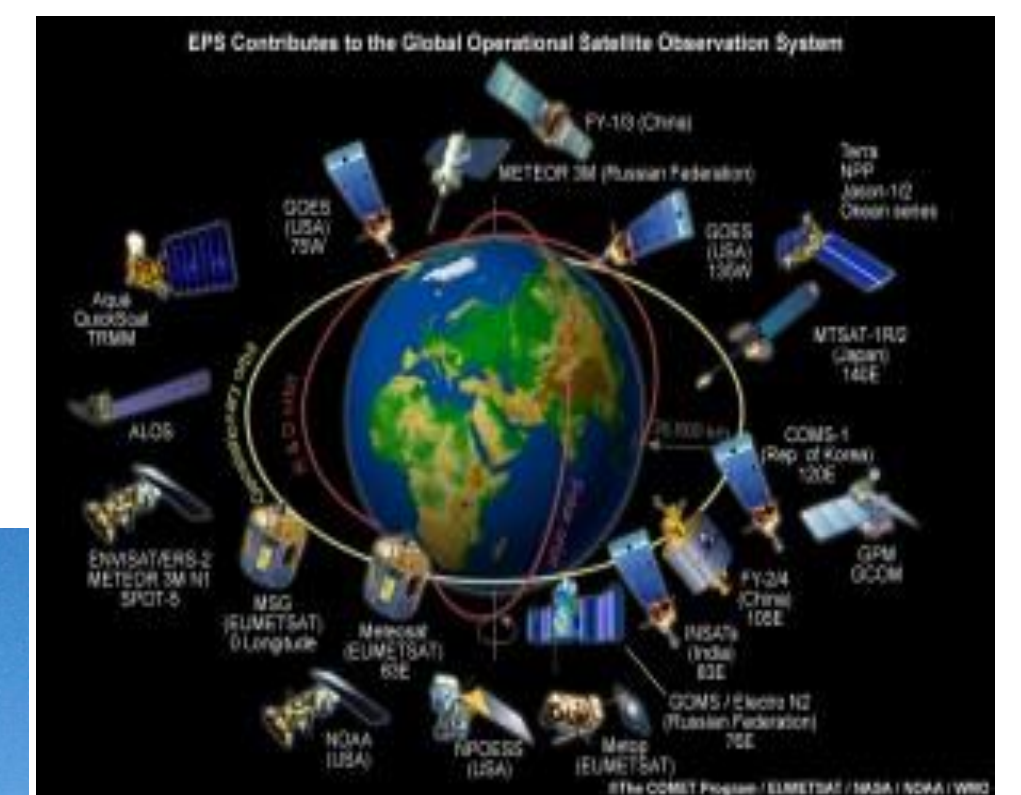
Optimizing water use in agriculture to preserve soil and water resources

Water stress and eutrophication are often the two sides of the same coin. The excess of irrigation consumes unnecessary water, which leaches nutrients carrying them to surface water bodies, generating their eutrophication. As Treatment Plants were the answer for urban Waste Water,



Precision Agricultural Practices is the answer for Agriculture diffuse Pollution. Regulated Deficit Irrigation (RDI) is part of the solution. It can improve quality of crops, without compromising quantity. The issue is to apply the right amount of water at the right time.

We have to know the water needs of the plant as a function of its development stage and we have to know how much irrigation and fertilization is required at each moment as a function of the conditions existing in the soil and of the weather forecasts.



WATER4EVER combines EO, in-situ measuring, hydrological and crop models to develop tools to:
A) Support Regulated Deficit Irrigation,
B) Assess the benefits for hydrological resources at the catchment scale.

Field work will be carried at the plot scale. Catchment scale will be addressed using models, considering different farming scenarios.

