



United Nations
Educational, Scientific and
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Water resource management in Africa

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In Africa, by 2020, between 75 and 250 million of people are projected to be exposed to increased water stress due to climate change; yields from rain-fed agriculture could be reduced by up to 50% and agricultural production, including access to food, in many African countries is projected to be severely compromised.

By 2080, an increase of 5-8% of arid and semi-arid land in Africa is projected under a range of climate scenarios; by the same period densely-populated and low-lying megadeltas of Africa will experience floods every year due to sea-level rise.

African Water Observation System

Goal: Assist African countries to overcome problems faced in the collection, analysis and dissemination of water related geo-information by exploiting the advantages of Earth Observation technology”.

Objectives: Support improved governance and decision-making by contributing to enhance institutional, human and technical capacity, and fostering sustainability.

TIGER:

Improve access to EO data through capacity building and training by developing water information systems & services

Research stage: TIGER pilot projects

Pre-operational Stage: North-South tec. transfer projects

Operation Stage: African Water Observation System