

SMART SURVEYORS FOR LAND AND WATER MANAGEMENT
CHALLENGES IN A NEW REALITY



eWORKING WEEK 2021
20-25 JUNE

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Fit For Purpose (FFP) for Land And Water Management –The Relationship Of The Water And Land Tenure Nexus

Building on land tenure to build innovative approaches to assess water resources

Tuesday, 22 June 15:00–16:30

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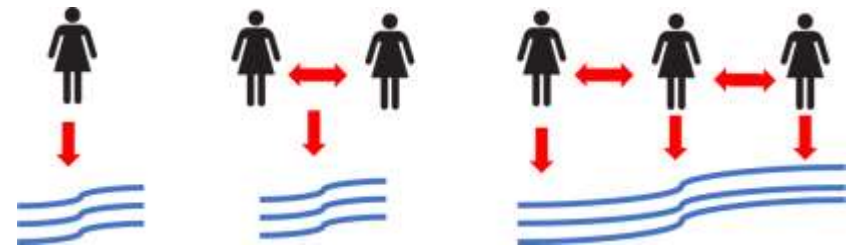




Holistic approach concerning water resources

FAO project Knowing water better: towards fairer and more sustainable access to natural resources (**KnoWat**) Building on lessons learned from the land and forest tenure and proposes a more comprehensive and holistic approach concerning water resources, we cannot manage what we do not know where water tenure is define as:

“the set of relationships, whether legally or customarily defined, between people, as individuals or groups, with respect to water resources”. FAO (2016).





Relationships that define:





Relationships based on :



**&/
or**





How to analyze this relationships?

- **Legal assessment** – mapping rules and their implementation
- Building on water accounting – **mapping water uses and users**
- Focusing on the **actual uses and users** of water resources
- Role of **governance arrangements** related to water tenure
- Considering **both formal rights and informal**, customary rules and practices
- **Field research** – level of acceptance and implementation on the ground

National level
(assessment country)

Regional level
(assessment area)

Local level (field
research are)

**Policy and legal
framework**

**Uses and
users
Governance
institutions**

**Local
practices**

Testing : Rwanda, Senegal and Sri Lanka



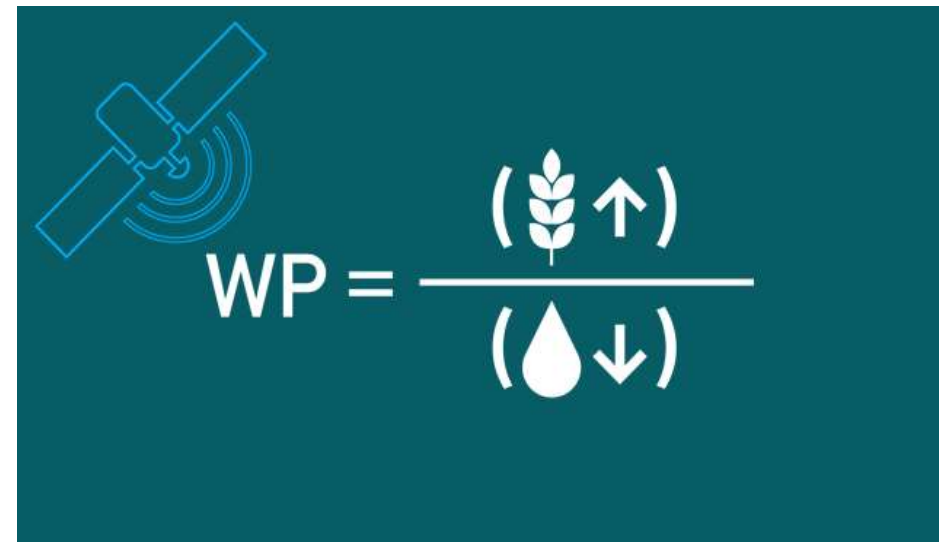
Why this is important?

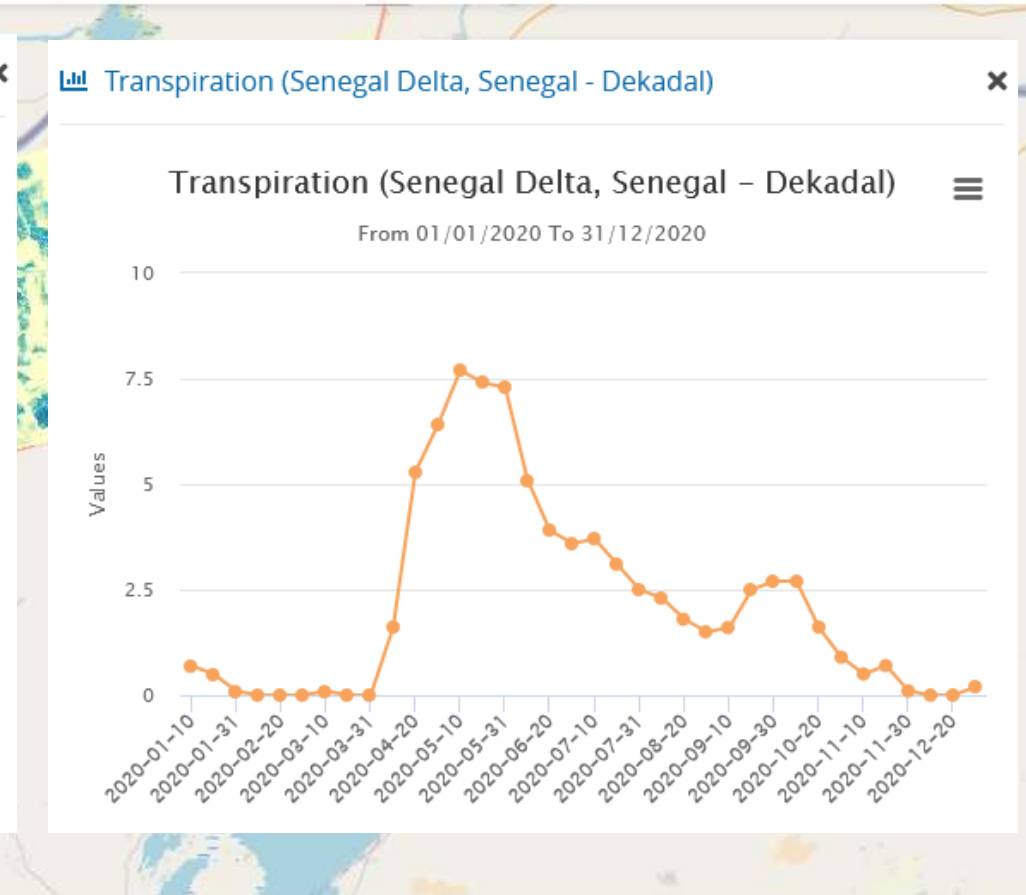
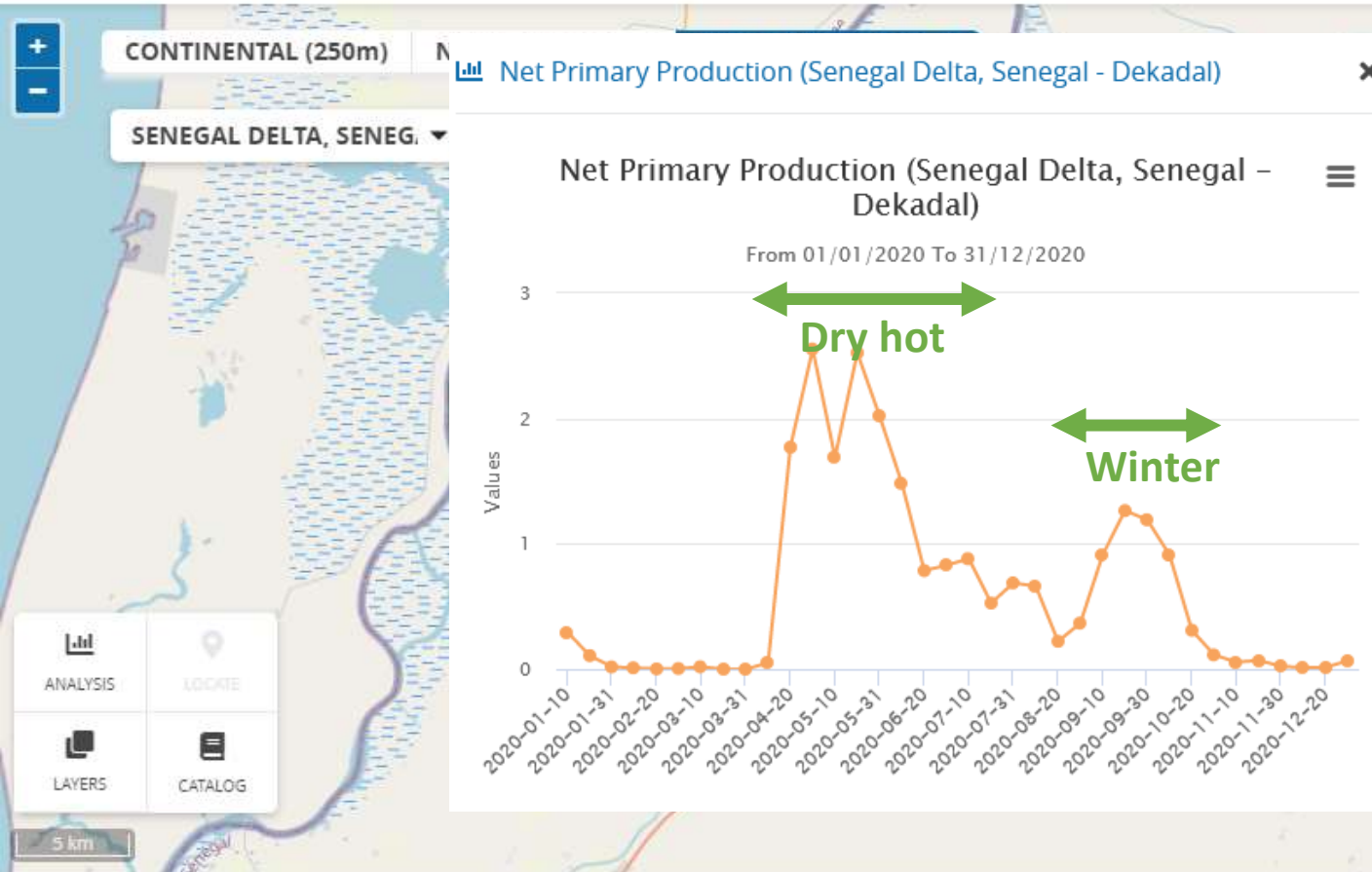
- To built knowledge and have a better understanding on how people access and use water resources
- Contribute to:
 - Ensure water to all users, particularly rural populations and vulnerable groups
 - increase resilience to climate change and managing water scarcity
 - addressee potential water conflicts.



Water resources assessment

- Biophysical assessment through FAO WaPOR portal
 - Evapotranspiration, precipitation
 - Land cover, biomass production
 - Water productivity

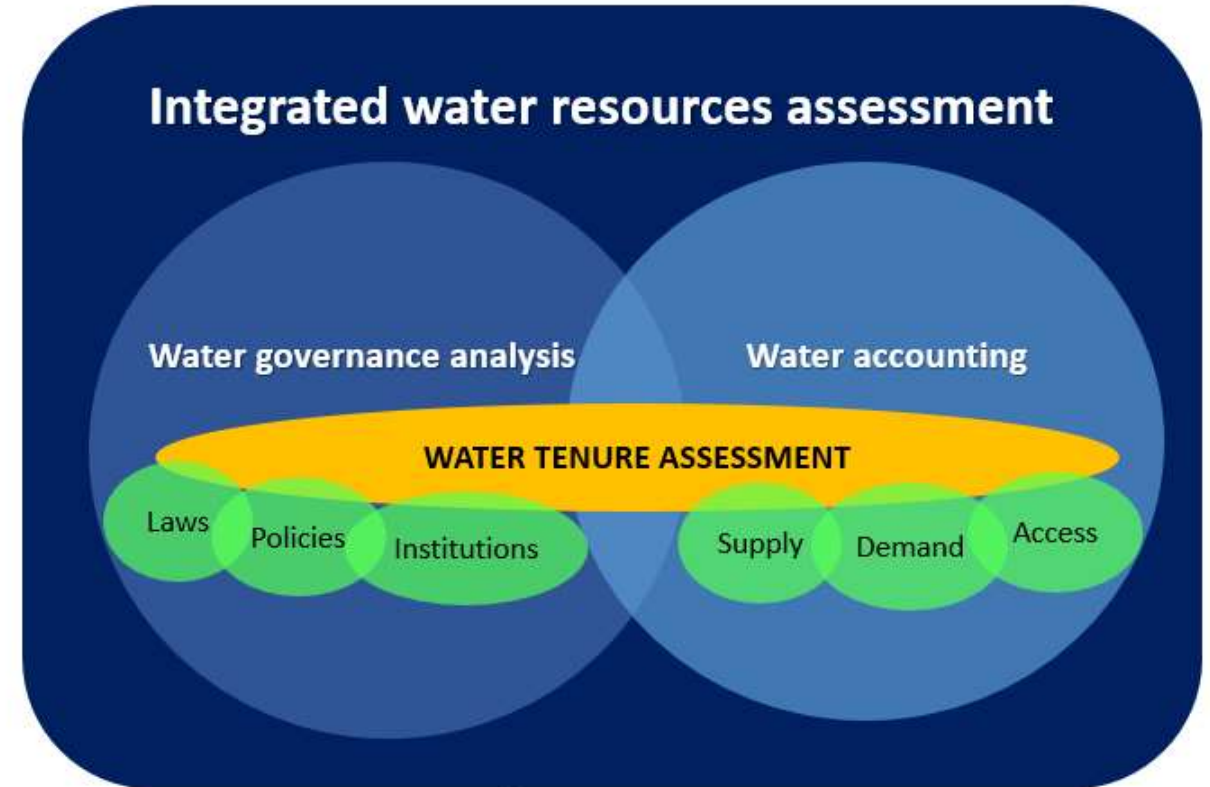






Water accounting & auditing

- Systematic quantitative assessment of the status and trends in water supply, demand, distribution, accessibility and use in space and time
- Inform planning at various level (basin to field)
- Balance productive and environmental requirements
- Governance, institutions, laws, political economy





<http://www.fao.org/in-action/knowat/en/>

Thank you!

