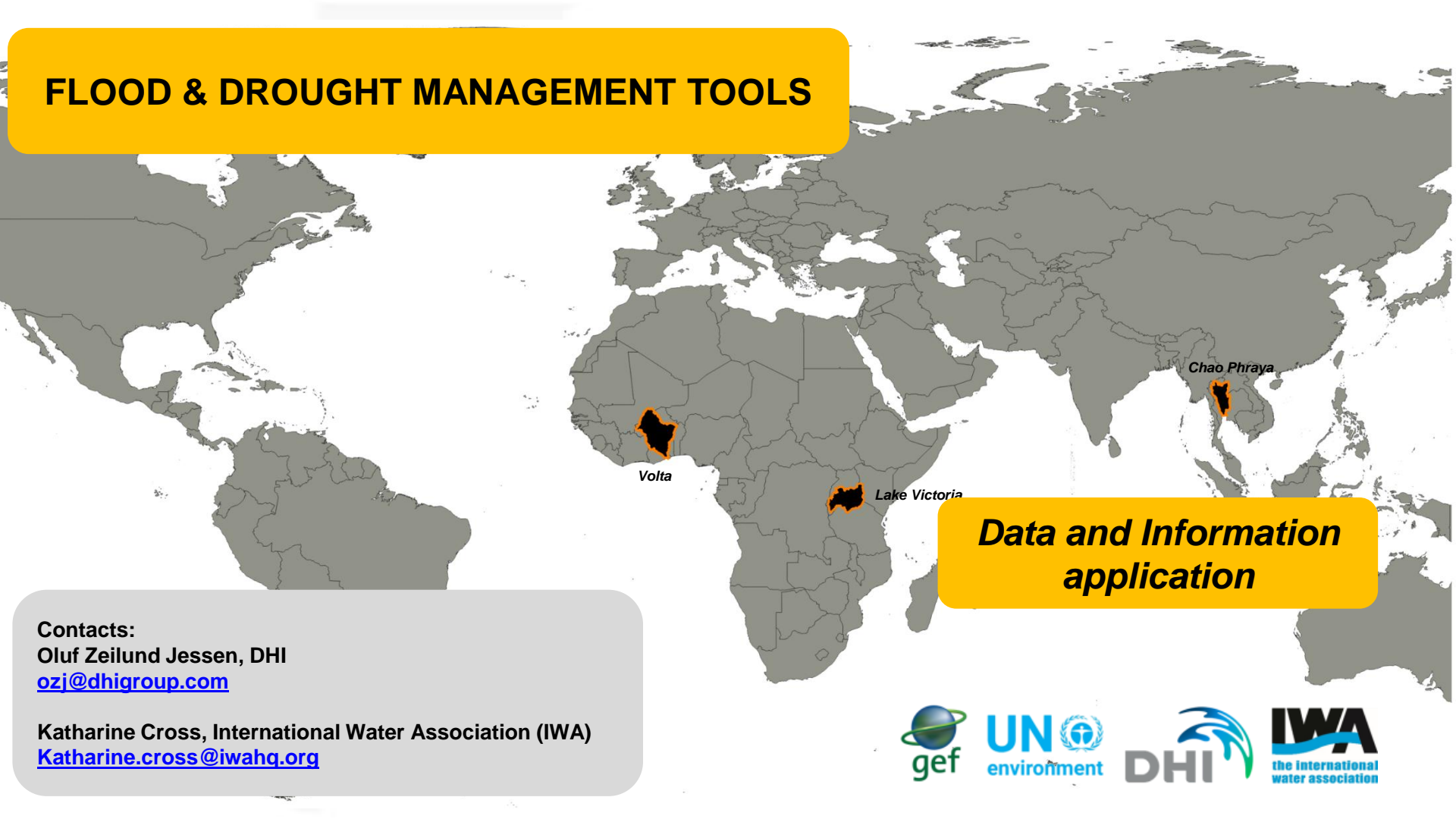


FLOOD & DROUGHT MANAGEMENT TOOLS



*Data and Information
application*

Contacts:

Oluf Zeilund Jessen, DHI

ozj@dhigroup.com

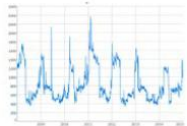
Katharine Cross, International Water Association (IWA)

Katharine.cross@iwahq.org

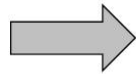


Why is data important

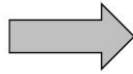
- Reliable data is essential to identify hazards, assess risks and for making decisions
- Data is often unavailable and inaccessible in many countries and basins
- Satellite data combined with station data can provide robust monitoring for indicators



Data



Analysis

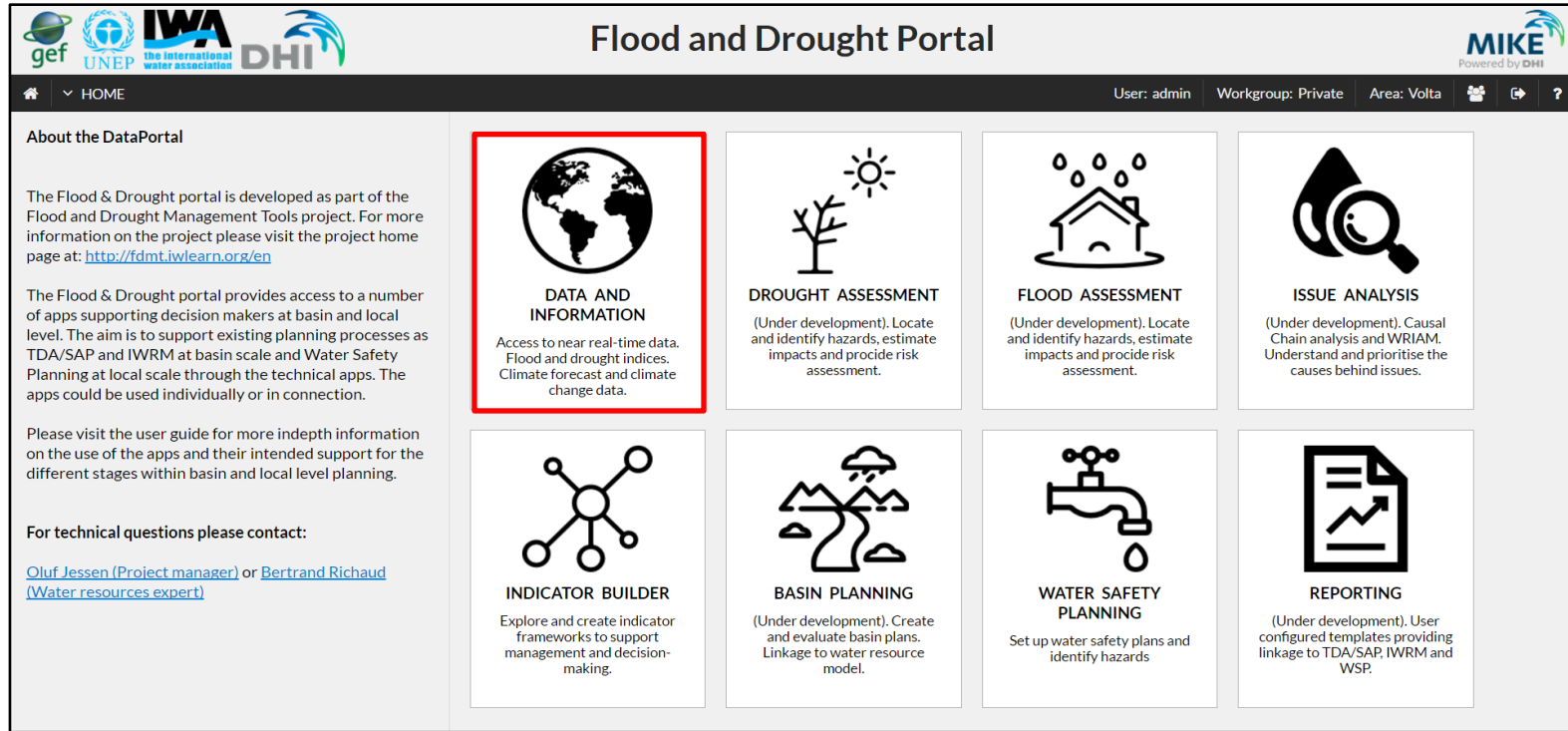


Decision process



Improved decision making

Data and Information Application



DATA AND INFORMATION
Access to near real-time data. Flood and drought indices. Climate forecast and climate change data.

DROUGHT ASSESSMENT
(Under development). Locate and identify hazards, estimate impacts and provide risk assessment.

FLOOD ASSESSMENT
(Under development). Locate and identify hazards, estimate impacts and provide risk assessment.

ISSUE ANALYSIS
(Under development). Causal Chain analysis and WRIAM. Understand and prioritise the causes behind issues.

INDICATOR BUILDER
Explore and create indicator frameworks to support management and decision-making.

BASIN PLANNING
(Under development). Create and evaluate basin plans. Linkage to water resource model.

WATER SAFETY PLANNING
Set up water safety plans and identify hazards

REPORTING
(Under development). User configured templates providing linkage to TDA/SAP, IWRM and WSP.

www.flooddroughtmonitor.com

Flood and Drought Management Tools Project

About the Data and Information Application

Supports transboundary planning globally

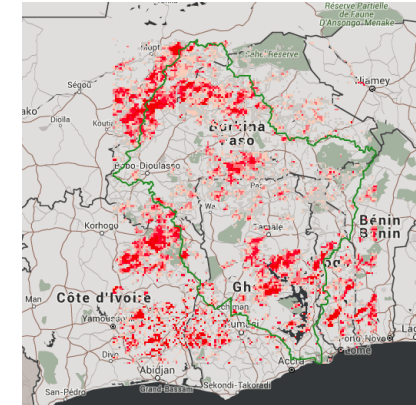
- Data made available for any transboundary basin
- Data updated in near real time

Based on freely available data sources

- All data are processed to netcdf and csv formats

Provides a basic dataset for catchment planning

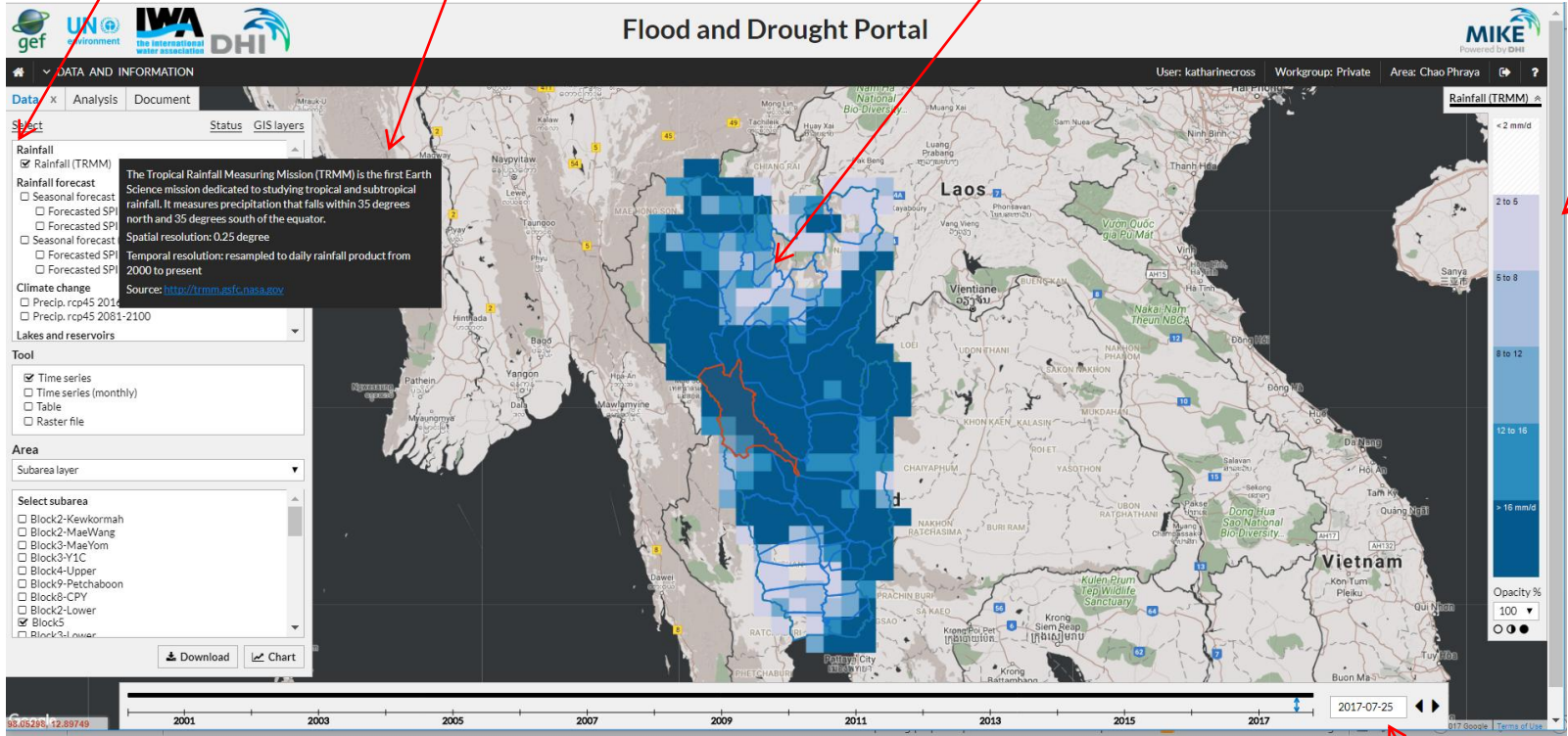
- Climate data (rainfall, PET, temperature)
- Climate forecast (NOAA) and change (CORDEX)
- Drought and flood indices
- Physical and socioeconomic data



Select data type to be displayed

Tool information

Spatial data

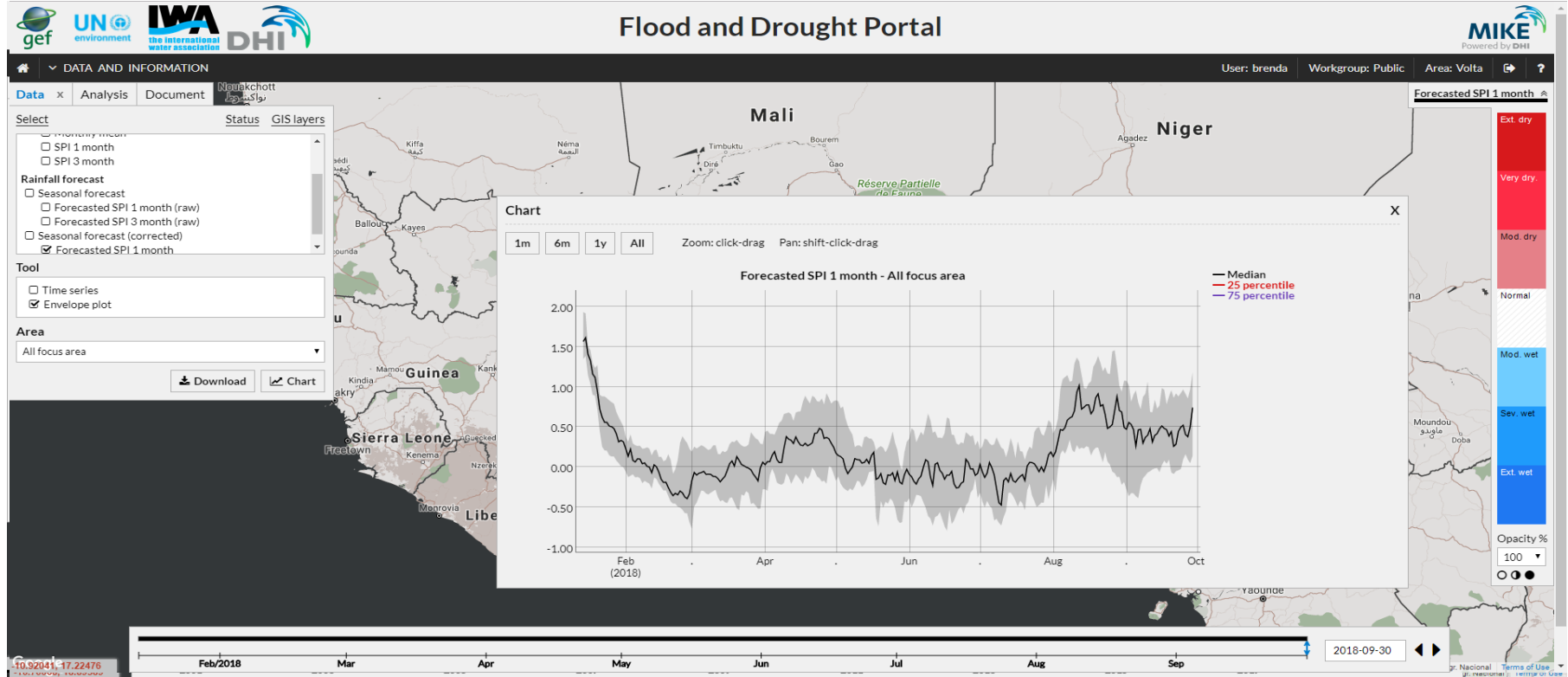


Data tools

Data area

Data timeline

Current time step



FLOOD & DROUGHT MANAGEMENT TOOLS



Contacts:

Oluf Zeilund Jessen, DHI

ozj@dhigroup.com

Katharine Cross, International Water Association (IWA)

Katharine.cross@iwahq.org

