



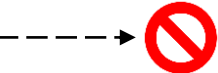
PLATFORM FOR SUSTAINABLE  
WATER RESOURCES MANAGEMENT  
**aquaWISE™**

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Vassar Labs, is a Technology company **building products** and solution for global problem of **Climate Change** impact on vulnerable sectors like Water, Cities, and Agriculture, by making use of latest technologies like **IoT, AI/ML, GIS, Cloud computing, Remote Sensing, Big Data** etc

# Real-time visibility to understand water, food & energy nexus



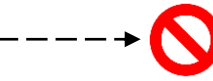
No more reports or standalone system



Unifying various siloed system and creating one authoritative system



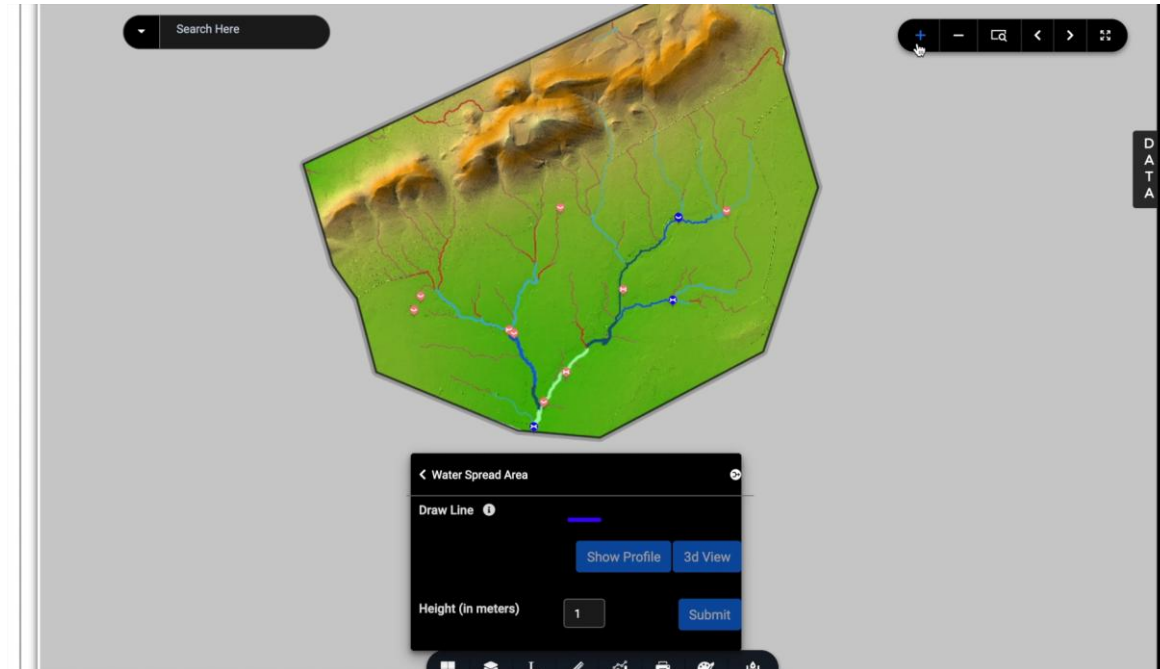
# Enable water conservation by enabling people with technology



Eliminating time consuming audits, and hydrological assessments

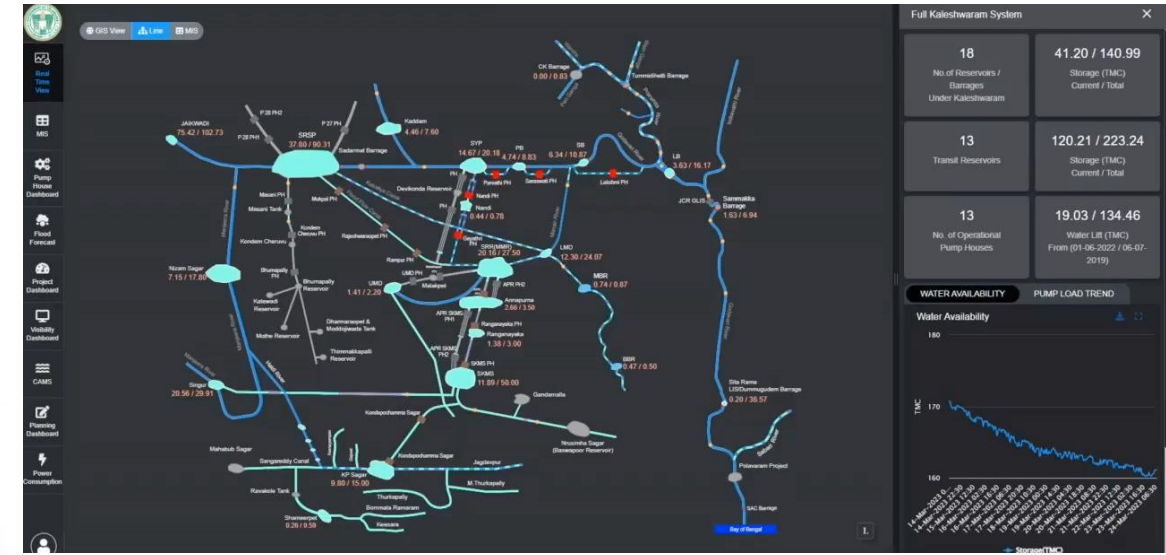


Cloud based system to enable everyone with power of AI to run hydrological assessment and identify conservation potential in no time





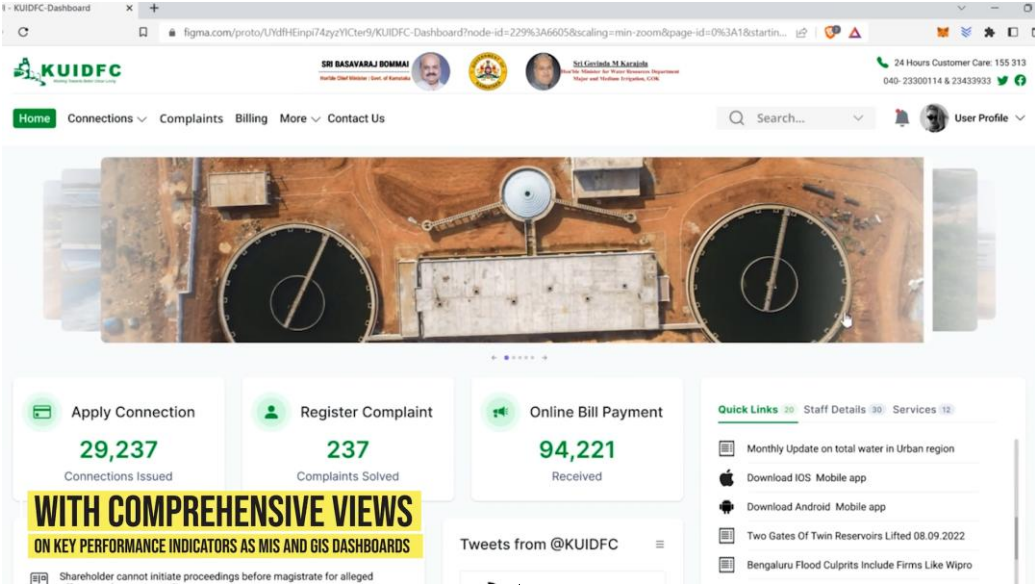
# Digital twin for natural and conveyance system to manage bulk water



Optimizing energy utilization and water use efficiency to ensure climate resilience operations by creating digital twin for natural and conveyance systems

Complex bulk water transfer schemes heavy on energy and fragile to climate change

# Making city climate resilient with smart water distribution & asset management



Ensure Water quality, SLA monitoring, connection, workflows, Non-revenue water, billing & collections with interactive GIS to have one truth for administrator and citizens

Aging infrastructure and rapid population growth, are creating stress on distribution system and assets

# Ensuring irrigation to crops with advance planning and real-time management

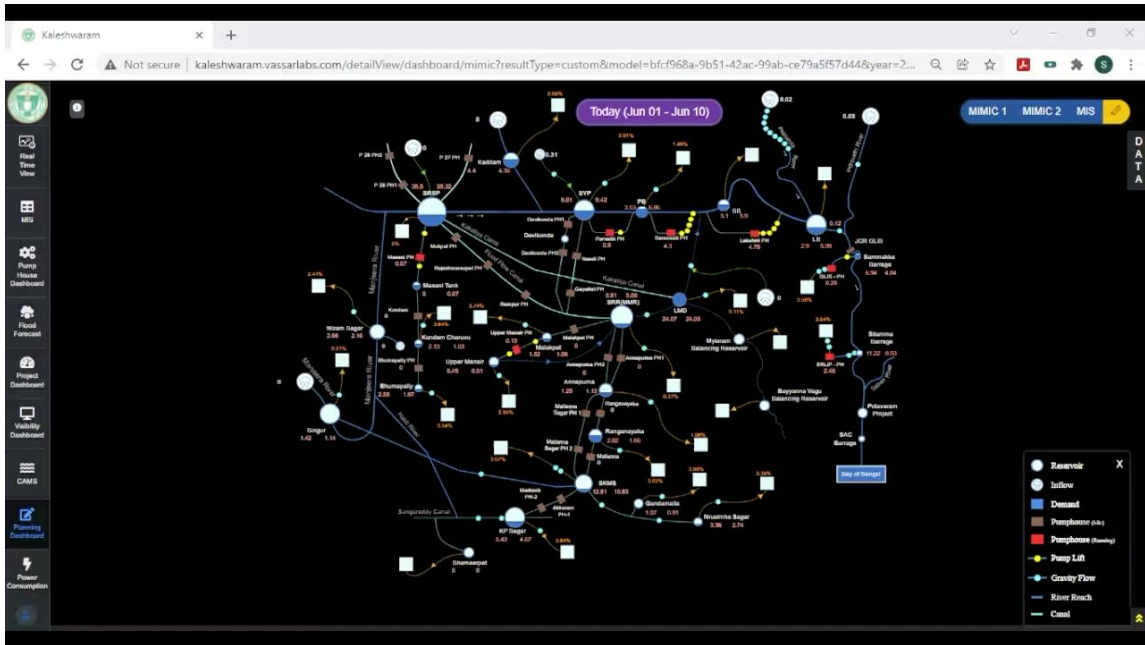
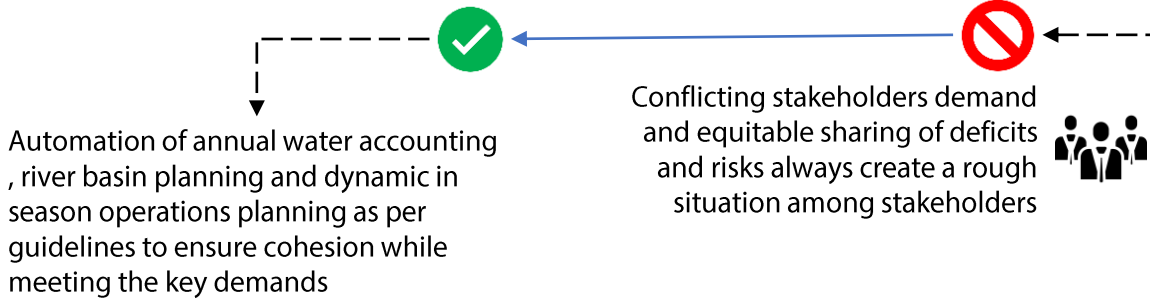


↑  
 Optimizing energy utilization and water use efficiency to ensure climate resilience operations by creating digital twin for natural and conveyance systems

❌  
 Complex bulk water transfer schemes heavy on energy and fragile to climate change



# Transboundary rivers and inter-basin transfers for mitigating deficit

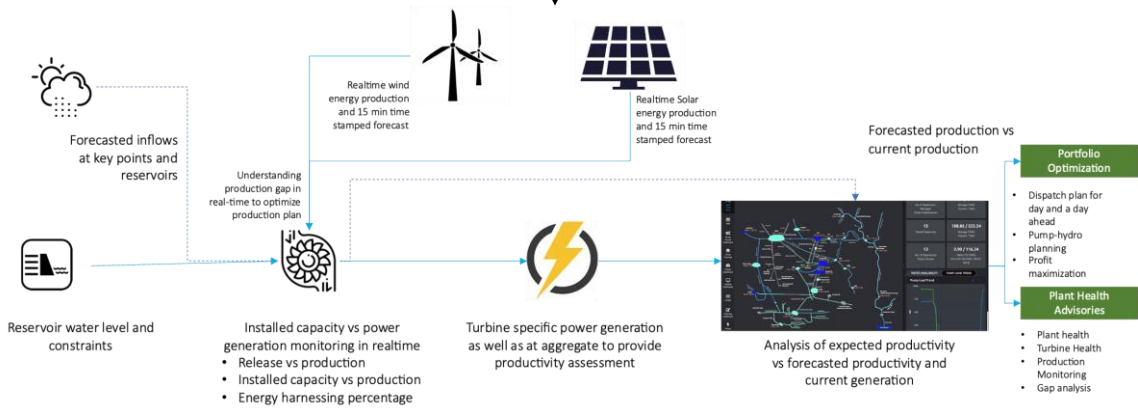






# Decarbonization of energy by optimization of hydropower productivity

Real-time economic dispatch: generation allocation to the on-line units in a way that load may be supplied entirely and in the most economic manner.

Multiple stakeholders, short term visibility and uncertainty always hinders to achieve planned capacity output from hydropower units

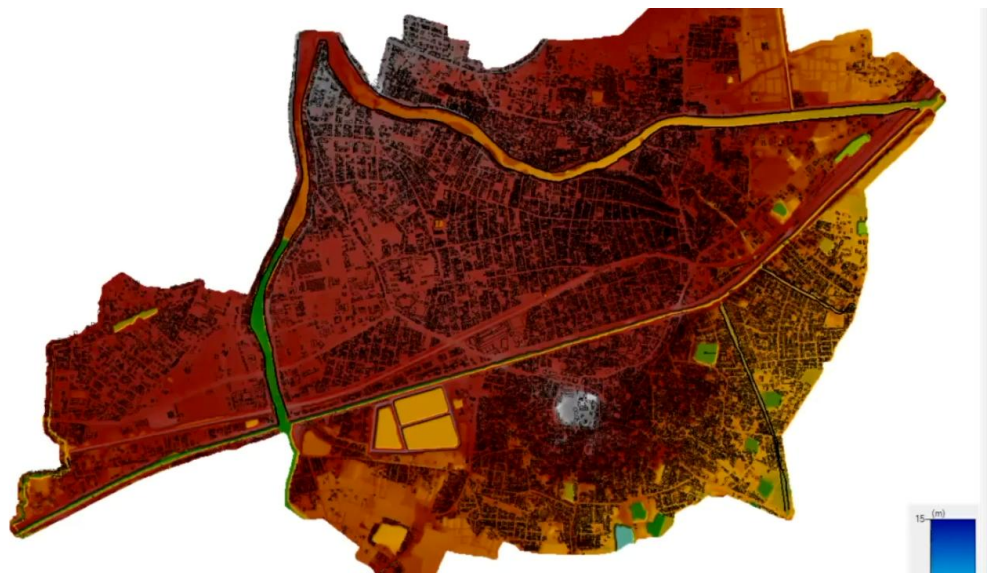


# Ensuring climate risk resilience by assessing flood risks in real-time with great details

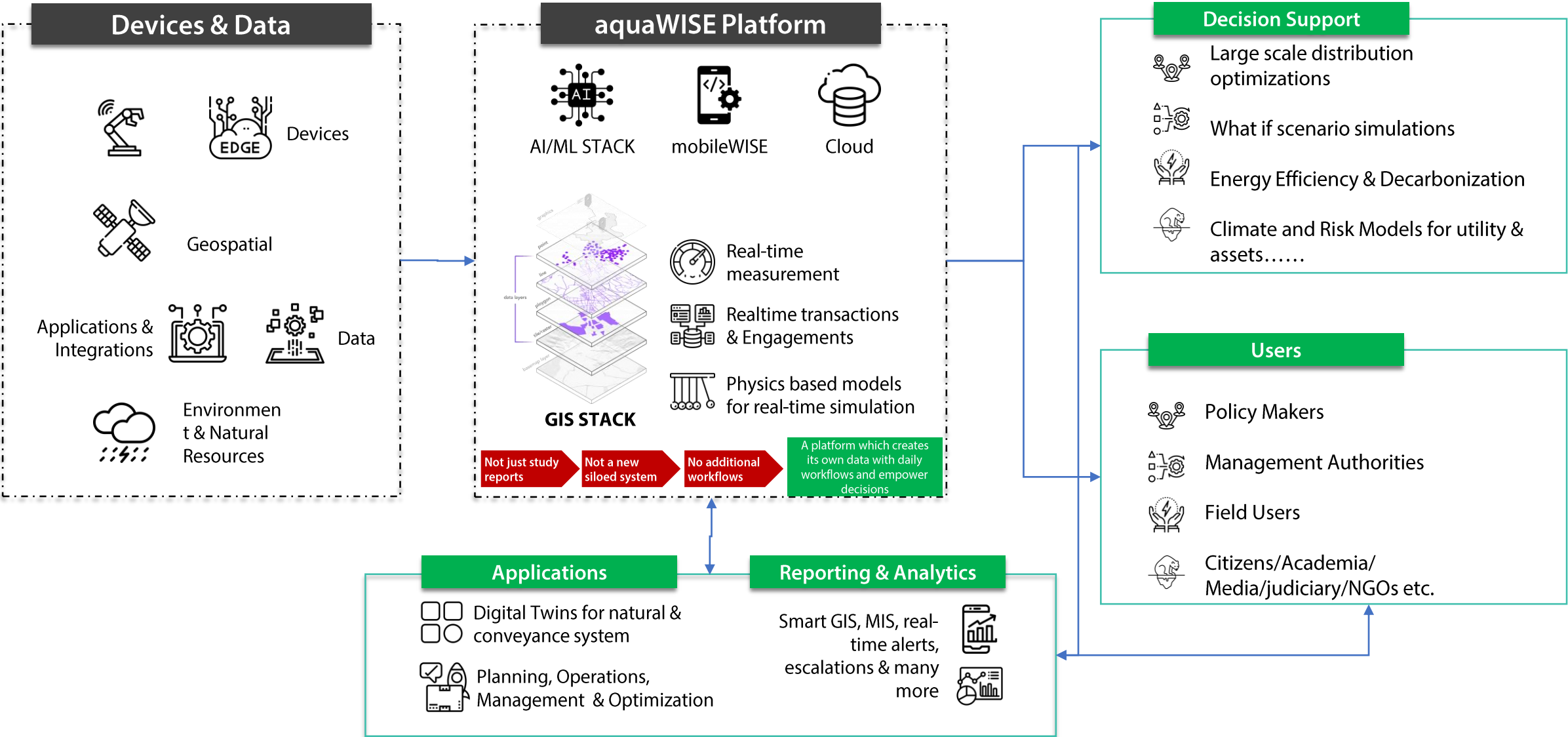



Enhance accessibility with a cloud-based flood risk tool, offering simulations of flood risks, contours, and protection measures. Designed for non-SMEs, it encourages wider adoption, enabling easy 'what-if' scenario testing for water levels and return periods

Complex data sets, proprietary software's and serious hydrology and hydraulic makes flood simulation a resource intensive and time taking job, who need SME's



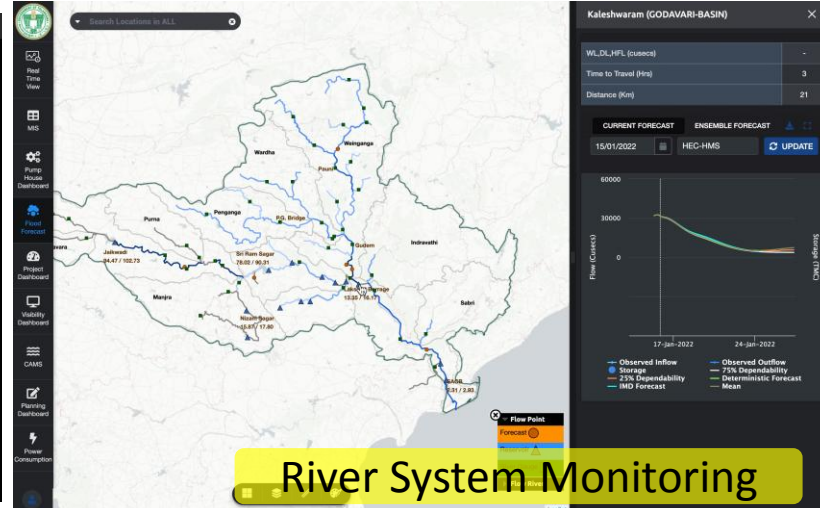
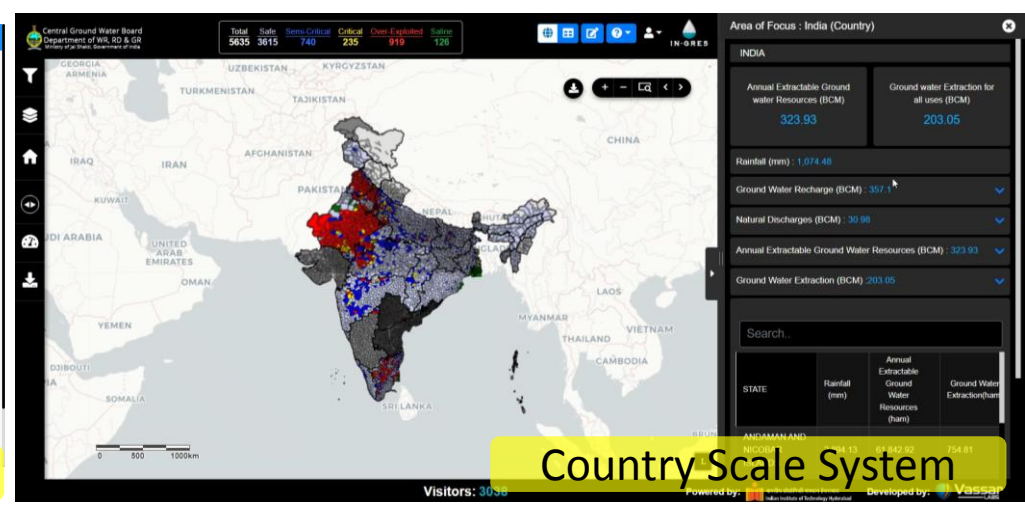
# Platform for optimizing productivity & climate risk adaptation





# What have you seen is not event a sneak peak view

We have implemented more than 20 large scale solution towards sustainable water resources management



Vassar\_super LOGOUT

22-02-2022

Input Form Report

Print Download PDF

**NARMADA CONTROL AUTHORITY, REGIONAL OFFICE**  
HYDROLOGY DIRECTORATE, INDORE  
Daily Status of Narmada River Basin at 08:00 hrs. on 22 February 2022

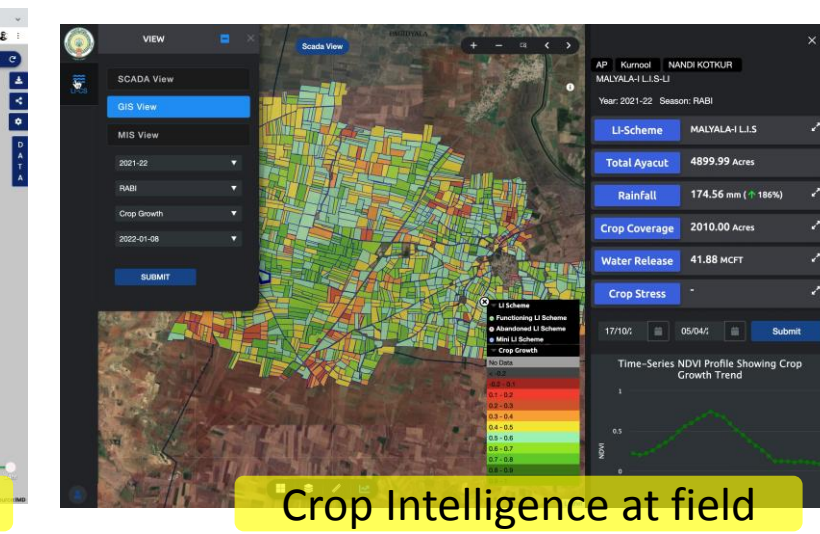
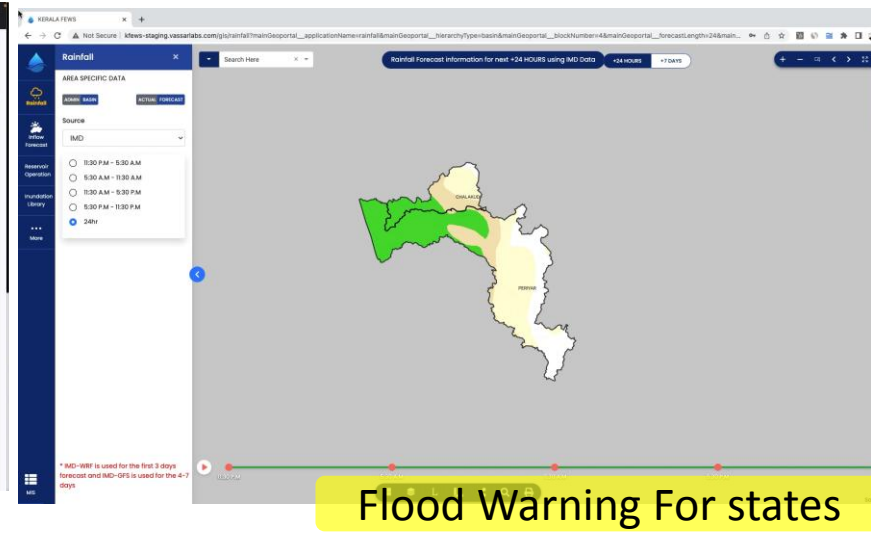
S.No	Name of Station	FRL/Danger level Meter	Water Level Metre	Live Storage as on today MCM	Inflow & Discharge Cumec	Average Outflows during last 24 hrs.				RAINFALL		Rainfall in other states during last 24 hours in mm		
						Spillway	PH Ret.	HR Ret.	Total Ret.	24 Hrs	I. fr. 15June	Station	Rainfall	
1	Bargi	422.76	-	-	-	-	-	-	-	0	-	-	Alairpur	-
2	Burmanghat	322	-	-	-	-	-	-	-	0	-	-	-	-
3	Tawa	305.4	-	-	-	-	-	-	-	0	-	-	-	-
4	Hoshangabad	293.83	-	-	-	-	-	-	-	0	-	-	-	-
5	Indira Sagar (SP)	262.13	-	-	-	-	-	-	-	0	-	-	-	-
6	Omkareshwar (OSP)	196.6	-	-	-	-	-	-	-	0	-	-	-	-
7	Maheshwar	162.76	-	-	-	-	-	-	-	0	-	-	-	-
8	Sardar Sarovar (SSP)	138.66	-	-	-	-	-	-	-	0	-	-	-	-

Power Generation from Sardar Sarovar Project

Average discharge measured at

(B) Godbole Weir (C) Godavari-Rajasthan Border

**Transboundary Rivers**





# TOWARDS SUSTAINABILITY – aquaWISE™

Managing nexus of water

