

Expectations of Participants at the SWAT Workshop

CADA, AP

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We expect to be introduced to the GIS based Hydrological modeling in the 3 day workshop on ArcSWAT. It will enhance my understanding of GIS tools in strategic decision making in river basin planning and update our knowledge base. I think this is a beginning and looking forward for more trainings/workshops in this field for a better understanding and utilization of ArcSWAT in real environment.

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First time I came to know about the workshop on SWAT at IIT Madras being organized by IWMI other organizations, I was just delighted and eager to join.

I believe that ArcSwat is a Hydrological modeling tool that can be used as an extension of ArcGIS. In this connection, I would like to know how the Arc Swat can be installed and utilized for river basin modeling at both micro level and macro level especially for assessment of availability of water/ yield studies.

I would like to know any other versions of SWAT which can work on open source platforms instead of ArcGIS.

I hope this workshop will give a comprehensive idea about the tool so that the same can be utilized in Irrigation and CAD Department of Government of Andhra Pradesh for various applications related to assessment of demands, adequacy of supplies and decision making in terms of management of available resources, subject to taking account of all constraints both technical or otherwise in implementation of various irrigation schemes.

I am thankful to one and all, who made this program and for giving me this opportunity for participation. I like to continue to work along in future also.

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This will help me to:

- Learn the principles of SWAT and ArcSWAT
- provide details on various models under ArcSWAT and hands on practice
- provide knowledge on applications of ArcSWAT for Irrigation water resources and climate change impacts.

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- Data validity and errors in ArcGIS with raster and vector data
- ArcSWAT applications to on farm water management
- Canal distribution network
- Application to water quality and water use

V.R.S.SARMA

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The model would be useful to assess soil moisture status of individual agricultural field plots and thereby implicitly helpful to reduce water application losses.

Helpful to develop a ready reckoner for appropriate field plot sizes aptly suitable to the soil type, crop grown, topography (slope), available discharge at the head of field plot

A helpful tool to monitor soil moisture status and decide upon scheduling of irrigations

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To learn internal methodology of processing, understand climate change scenarios and for Organising setup for SWAT model.

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To enhance my present knowledge on SWAT model, clear all my doubts I encountered while I was working on it and to improve my efficiency as part of the project Team.