AGRICULTURAL RESEARCH COUNCIL

in Partnership with

DSSAT Foundation and University of Florida

announces an

INTERNATIONAL WORKSHOP ON

Application of DSSAT:

Assessing Crop Production, Water and Nutrient Management, Climatic Risk and Environmental Sustainability with simulation models

The overall objective of the workshop is to equip participants with crop simulation techniques for both climate variability and change studies. Therefore, attendance to this workshop will improve participants' abilities to predict yields under different scenarios of soil fertility management, climate and soil conditions, as well as apply the well-tested decision support systems to reduce agricultural risks caused by climate variability and change.

Venue: **Agricultural Research Council, 1134 Park Street, Hatfield, Pretoria, South Africa**

Date: **30 September - 04 October 2019**

REGISTRATION INFORMATION

The registration fee is **USD 800** which should be paid by 31 August 2019. It includes AM/PM breaks and lunch on training days. **To register please click and complete the attached form** or visit http://www.arc.agric.za/Pages/Home.aspx

WHO SHOULD ATTEND?

Agronomists, Agricultural Researchers, Soil Scientists, Agrometeorologists, Students, Nutrient Management Specialists, Resource Management Specialists, Agricultural Extension Agents, Policy Makers, Economists, Planners and other Agricultural professionals striving to reduce risks in increasing agricultural productivity.

Participants should bring their personal computers operating in Windows environment. They need to arrange their own accommodation, travelling and living expenses while in Pretoria. The workshop will be conducted in English.

For Workshop and Logistics Information Contact:

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For more information about DSSAT and to download the latest version go to https://dssat.net/

THE WORKSHOP PROGRAMME WILL:

- Describe a practical approach for simulating effects of soil, weather, management, and genetic factors on crop production
- Demonstrate how processes of crop growth and development, water use, uptake of water and nutrients and carbon dynamics can be simulated
- Make extensive use of hands-on sessions that apply the DSSAT-CSM model to cropping systems in various regions of the world
- Describe procedures for collecting and managing crop, weather and soil data for model evaluation
- Give participants the opportunity to work with their own data and determine the accuracy of the models for application to specific problems
- Analyze management alternatives for single seasons or over long-term crop rotations
- Concentrate on specific applications that include irrigation, fertilizer and nutrient management, climate change, soil carbon sequestration, climate variability, and precision management, and
- Assess economic risks and environmental impacts associated with agricultural production.

APPLICATIONS OF DSSAT INCLUDE:

- precision management
- climate change and variability
- food security
- feedstock for bio-fuel
- soil carbon sequestration
- gene-base modelling
- environmental assessment
- sustainability
- ecosystem services

DSSAT REGISTRATION FORM

VENUE: AGRICULTURAL RESEARCH COUNCIL, HATFIELD, SOUTH AFRICA

DATE: 30TH SEPTEMBER - 04TH OCTOBER 2019

If you are interested in attending the **workshop,** please complete this preliminary registration form and send it by **e-mail : matlalam1@arc.agric.za**

Registration deadline: **31 August 2019**

I have special dietary needs	Yes		No		
Specify e.g., **No fish/pork/beef**					

PERSONAL DETAILS

Surname & Initials		**Title**	**Prof/Dr/Mr/Ms**		
Affiliation Organisation			**Full-time Student**	Yes	No
Department					
Postal Address					
			Postal Code		
Telephone Work	Code ( )				
Telephone Home	Code ( )		**Cell No**		
E-mail Address					

Invoice Requirements:

Kindly provide the details of invoice requirements (e.g., group invoice with all the participants details, invoice with VAT number - specify your VAT number, any other additional requirements

ARC Bank Account Details:

Legal entity name: **ARC**
Name of account holder: **ARC- RECEIPT ACCOUNT**
Account number: **012588792**
Account type: BUSINESS CURRENT ACCOUNT
Branch: HATFIELD
Branch code: 011545
Branch code (electronic payments): 051001
SWIFT address: SBZAZAJJ