

NATIONAL SYMPOSIUM ON CLIMATE CHANGE AND RAINFED AGRICULTURE

February 18-20, 2010

Venue

**Central Research Institute for Dryland Agriculture
Hyderabad**

Organized by

**Indian Society of Dryland Agriculture
and**

Central Research Institute for Dryland Agriculture, Hyderabad

The three day symposium is being organized by CRIDA and ISDA to mark the silver jubilee year of the establishment of the Central Research Institute for Dryland Agriculture (CRIDA). Besides ICAR, DST,MOES,NRAA,ICRISAT, MOEF, IMD and NABARD are likely to support this event.

Background

Climate change due to global warming has become an important national concern. The average earth surface temperature has increased by about 0.74°C (global) and mean sea level has risen by 10-20 cm during the last 100 years. The global temperature is likely to increase by 2.5 to 5.8°C by 2100 if the green house gases emissions continues at the current rate. In India, there is an increasing trend in surface temperature as reported by several research studies. There is no significant trend in the rainfall on all India basis but decreasing/increasing trends are noted in certain locations of the country. The country is also experiencing reduced number of rainy days and more extreme events of rainfall and temperatures. Several models predict that these extreme events may result in increased droughts, floods, heat wave and cold wave in the coming years, adversely impacting agriculture.

Rainfed agriculture is the life line for most small and marginal farmers in the country. Despite several technological advances, rainfed agriculture continues to face challenges in terms of droughts, land degradation, poor investment support and credit flow. Climate change is likely to further exacerbate these risks and uncertainties. In addition to the total rainfall, the temporal and spatial distribution of rain is key to success of rainfed crops.

Climate change is projected to result in more extreme events like long dry spells followed by intense rainstorms which poses major challenges not only for successful crop production but also runoff management. Due to changes in rainfall pattern, some regions in the country are expected to receive more runoff while others reduced flows. This poses challenges for designing water harvesting structures. The contingent cropping plan currently evolved in the country also need to be revised considering the climate change impacts. Rainfed farmers have also evolved over years abundant traditional wisdom to cope with climate change. However, there is an urgent need to evolve adaptation and mitigation strategies by combining traditional wisdom and modern science in order to manage the risk and protect the livelihoods of small and marginal farmers who predominate in rainfed regions.

To take stock of the current knowledge in this field, identify critical research gaps and evolve a research agenda in the context of the National Action Plan on Climate Change (NAPCC), a National Symposium is planned with the following themes:

- Impact and vulnerability of rainfed farming systems to climate change in different agro-eco regions
- Strategies to cope with extreme weather events like droughts, intense rainstorms, floods, heat wave, cold wave etc. and shift in rainfall pattern.
- Impact on water resources particularly on surface runoff and strategies to harvest surplus runoff for drought mitigation.
- Adaptation and mitigation strategies for rainfed crop and livestock systems.
- Risk management options in rainfed agriculture including weather insurance

Format

The symposium will have five technical sessions matching with above themes besides inaugural and plenary sessions. Each session will have a lead presentation followed by 5-6 invited/selected contributory papers. All the other papers will be presented through poster sessions.

Call for papers

Participants intending to attend the symposium and contribute a paper are requested to fill up the enclosed registration form and submit an extended abstract of not exceeding four pages (double space) containing title, authors, affiliation, abstract, a brief introduction, methodology, results and important references. The deadline for submission of extended abstract is **November 15, 2009**. Authors will be intimated about the acceptance of their papers for oral or poster presentations along with necessary instructions. All the selected papers will be published on a CD ROM. Selected contributed papers will be published as full length articles in a special volume of Indian Journal of Dryland Agriculture after peer review.

Important dates

Submission of extended Abstract	15-11-2009
Registration fee (without late fees)	31-12-2009
Communication to the authors	15-12-2009
Submission of full papers by authors selected for oral presentation	31-01-2010

Registration fee

Participants are requested to register themselves for participation in the symposium on or before December 31st 2009 by paying a Registration fee in the form of Demand Draft/Pay Order in favour of **Treasurer, Indian Society of Dryland Agriculture, payable at Hyderabad**. The same may be sent to the Organizing Secretary of the symposium. Alternately, payment may be made through electronic bank transfer on A/c No.0689010100009978. Students with bonafide certificate can avail 50% concession on registration fee.

Member	Without late fee (up to 30-12-2009)	With late fee (Rs.)
Members of ISDA	Rs. 1500	2000
Non members	Rs.2000	2500

Accommodation

CRIDA has limited guesthouse accommodation which can be provided on first come first serve basis. However, the city has excellent Hotels that suit to all according to their choice. Various types of hotels and facilities are as follows:

Hotel type	Tariff range in Rupees	
	Single	Double
Four/Five Star & Luxury	4000-9000	5000-12000
Two/Three Star	1200-3000	1500-3500
Deluxe	800-1800	1000-2200
Budget/Economy	200-800	400-1000

Weather

Weather at Hyderabad during the symposium period is pleasant. The temperature ranges from of 30.3 to 36.3°C during day and 16.7 to 19.0°C during nights. No woolen clothings are required.

Optional Tours

Hyderabad has many historical and interesting spots to visit. Sight seeing trips will be arranged on request for local places like Ramoji film city, Golconda fort as well as to the famous Nagarjuna Sagar Dam and Buddhist relics located about 145 km from Hyderabad.

About Hyderabad

The 400-year old Hyderabad city was named after Hyder Mahal, wife of the ruler Quli Qutab Shah and lies on the banks of river Moosi. It's language and mannerisms still exude it's rich and legendary past. The Nizam's of Hyderabad were known to be one of the wealthiest royals of the past. The historical monuments, art galleries, and other attractions stand testimony to it.



Charminar: Charminar is the symbol of Hyderabad and was built by the ruler Quli Qutab Shah in honor of his Hindu wife. The monument is surrounded by a busy market place and falls in what is known as the old city.

Golconda Fort: This fort, originally built by the Kakatiyas, the rulers of the neighboring state, was made with mud. Later, the Shahis converted it into a marvelous piece of architecture using advanced acoustics wherein sound signals could pass from the entrance of the fort to the top without the use of any electric gadgets. There is a sound and light show in the evening which is quiet popular.



Paigah tombs: These are 200 year old tombs of the royal nobles made out of lime and mortar with carvings.



Ramoji Film City: The Ramoji Film City is a colossal creation. This is Hyderabad's answer to Universal Studios - nearly 2000 acres, a complete world created for assisting the dream merchants of cinema. Luxury hotels, Japanese gardens, Parisian boulevards, lavish palaces, make-believe airports/railway stations and a host of other fantastic creations are attractions.



How to Reach CRIDA

The Institute is located at Santoshnagar, Saidabad. It is about 16 km from Secunderabad Railway Station, 8 km from Nampally (Hyderabad) Railway Station, 6 km from Mahatma Gandhi Bus Depot and about 25 km from Shamshabad Airport. Call taxis/pre-paid taxis operate from Airport and Railway Stations. Autos and city bus services are available

from all the places. The nearest land mark for reaching the Institute is IS (Indira Seva) Sadan cross roads in Santoshnagar, which is about half a km from CRIDA.

Chief Patron

Dr. Mangala Rai, DG, ICAR

National Organizing Committee

Chairman

A K Singh, DDG (NRM)

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Contact Address

Director

CRIDA, Santoshnagar,
Hyderabad 500 059, AP

Fax: 040-24531802

Phone: 040-24530177

E-mail: director@crida.ernet.in

vbandi_1953@yahoo.com

Convenor cum Organizing Secretary

P.K.Mishra

Project Coordinator (Dryland)

CRIDA, Santosh Nagar,
Hyderabad 500 059, AP

Fax: 040-24531802/24530828

Phone: 040-24530828

E-mail: pkmbellary@rediffmail.com

Co-Convenors & facilitators

V.U.M.Rao

K.L.Sharma

B.S.Reddy

Ravindra Chary

S.S.Balloli

Website

Updated information on the symposium may be obtained by visiting
www.crida.ernet.in

REGISTRATION FORM

National Symposium on “Climate Change and Rainfed Agriculture” February 18-20, 2010

1. Name (In CAPITALS):
2. Designation / Position:
3. Mailing address:
4. Phone No. : (O)
(R)
5. E-Mail:
6. Title of the paper:
7. Registration fee:
8. Demand Draft:
No:
Date:
Amount Rs.
Bank:
Branch:
9. Accommodation: Guesthouse/Hotel
10. Mode of arrival: Road/Rail/Air
Arrival details:
Departure details:
Place:

Signature