



Day 1 Friday 20 March, 2015

- Inaugural Session** **15:00 – 16:15** **Seminar Room, Department of Energy**
- 15:00-16:00
- Welcome address: D C Baruah, Workshop Coordinator, TU
 - Inaugural Address: Professor Mihir K Chaudhuri, Vice Chancellor, TU
 - Address by Prof D Deka, HoD, Department of Energy, TU
 - Address by Chief Guest: Dr K M Bujarbaruah, Vice Chancellor, Assam Agricultural University
 - Vote of thanks: Dr Ganesh Bora, Workshop Coordinator, NDSU
- 16:00-16:15 Refreshment
- Workshop Session I** **16:15 – 18:00** **Seminar Room, Department of Energy**
- Chair: Prof C L Mahanta, Dean R&D, Co-Chair: Dr Pradip K Bora, CAU, Shillong*
- 16:15-16:45 Present status and future strategy of Precision Agriculture for Climate Change Mitigation: *Dr Ashwani Kumar, Ex-Director ICAR-Indian Institute of Water Management*
- 16:45-17:15 Precision Agriculture - Global Scenario: *Dr Ganesh Bora, Asst Prof and Interim Director, NDSU, USA*
- 17:15-17:45 Smart Technology for Precision Agriculture: *Prof M Bhuyan and Mr R Chutia, Dept of ECE, TU*
- 17:45-18:00 Discussion, Wrapping up
- Tea & Group Activity** **18:00-19:00** **ECL Laboratory, Department of Energy**
- 18:00-19:00 Introduction and grouping of Participants as per specified PA domains viz., (a) Crop establishment including land preparation, (b) irrigation and water management, (c) crop care, (d) harvesting and post harvest Planning Group Responsibility
- 19:00 Local sight-seeing followed by Dinner

Day 2 Saturday 21 March, 2015

- 07:30-08:30 Breakfast, TU Guest House
- Workshop Session II** **08:30-11:00** **Conference Room, TU Guest House**
- Chair: Sri D Talukdar, Chief Engineer (Agri) (Retd), Govt of Assam; Co-Chair: Dr S Hazarika, PS, ICAR, Shillong*
- 08:30-08:45 Site specific nutrient management for precision Agriculture- Regional perspective: *Dr S Hazarika*
- 08:45-09:00 Precision tillage and crop establishment– An overview: *Dr K N Dewangan*
- 09:00-09:15 Climate smart Agriculture – saving water and energy through micro irrigation: *Dr P K Bora*
- 09:15-09:30 Status of Precise technologies in Crop care activities: *Dr G V Prasanna*
- 09:30-09:45 Precision agriculture: Challenges in Harvest and post-harvest operations: *Dr M K Hazarika*
- 09:45-10:00 Climate Resilient Agriculture in India- experiences of NICRA implemented in Assam: *Dr Prasanta Neog*
- 10:00-10:15 Geospatial tool and techniques to support Precision Agriculture: *Dr B K Handique*
- 10:15-10:30 Precision Water management - An Industrial experience: *Er H K Baruah*
- 10:30-11:00 Discussion, Wrapping up & tea/coffee
- Parallel Group Activity** **11:00-15:00** **Conference Room, TU Guest House**
- 11:00-13:30
- Crop establishment including Land preparation
 - Irrigation and Water management
 - Crop care
 - Harvesting and Post-harvest handling
- 13:30-15:00 Working Lunch & Preparation of domain specific reports and power point presentations
- Workshop Session III (presentation of Group Reports)** **15:00-19:30** **Conference Room, TU Guest House**
- Chair: Dr Ashwani Kumar, Co Chair: Dr M K Hazarika, Head & Assoc Prof, FET, TU*
- 15:00-15:45 Group I: PA in crop establishment including land preparation
- 15:45-16:30 Group II: PA in irrigation and water management
- 16:30-17:15 Group III: PA in crop care
- 17:15-18:00 Group IV: PA in harvesting and post harvest
- 18:00-18:30 Climate Change: Regional and global dimension: *Prof Michele Clarke*
- 18:30-19:30 Outlining future road map for PA in India - Wrapping up: *D C Baruah*
- 19:30 Preparation of draft report followed by Dinner

Day 3, Sunday 22 March, 2015

- 05:00-09:00 Field trip (Optional)
- 09:00-09:30 Working breakfast
- 09:30-10:30 Valedictory programme