

Poster Session Position Assignments

Session 1.1 Seasonal Forecasts and Climate Extremes

1. **Title:** Modelling frost damage in major sugar beet growing area of Khorasan province, Iran
Authors: Reza Deihimfard and S.R. Moghaddam **Presenter:** Reza Deihimfard
2. **Title:** Impact of extreme events on Russian agriculture
Authors: Paraskevi Giannakaki and P. Calanca **Presenter:** Paraskevi Giannakaki
3. **Title:** Regional assessment of observed, simulated and projected climate over South Punjab
Authors: Ghulam Rasul et al. **Presenter:** Tasneem Khaliq

Session 1.2 Crop Model Improvement

4. **Title:** Comparative analysis of the simulation of canola phenology from biophysical modules at selected field sites across Canada
Authors: Aston Chipanshi et al. **Presenter:** Aston Chipanshi
5. **Title:** Geospatial crop simulation scheme to deliver amendment measures to alleviate the impact of climate change on crops
Authors: Jonghan Ko et al. **Presenter:** Jonghan Ko
6. **Title:** Ozone changes the photosynthesis-conductance relationship for Rice
Authors: Yuji Masutomi et al. **Presenter:** Yuji Masutomi
7. **Title:** Generation of crop model ensembles by use of a modelling framework
Authors: Eckart Priesack et al. **Presenter:** Eckart Priesack
8. **Title:** Multi-wheat-model ensemble responses to interannual climate variability
Authors: Alex C. Ruane et al. **Presenter:** Nicholas Hudson
9. **Title:** CTWN – Carbon-Temperature-Water-Nitrogen responses of DSSAT and APSIM models in relation to crop management and initial soil conditions in wheat
Authors: Nataraja Subash et al. **Presenter:** Nataraja Subash

Session 1.3 Developing Adaptation Strategies

10. **Title:** Exploring the adaptation scope – optimization-based decision-support for transformative adaptation planning
Author: Annelie Holzkämper **Presenter:** Annelie Holzkämper

Session 1.5 Climate Change Assessments

11. **Title:** Promoting regional collaboration for agricultural research and development in Latin America: experiences from a workshop on impact assessment and priority setting
Authors: Guy Hareau et al. **Presenter:** Anthanasios Petsakos
 12. **Title:** Stakeholders' Engagement in Indo-Gangetic Basin: Challenges and Opportunities
Authors: Mohar S. Meena et al. **Presenter:** Mohar S. Meena
 13. **Title:** Stakeholder Engagement: It stands and falls with the quality of engagement
Authors: Hlamalani J. Ngwenya et al. **Presenter:** Hlamalani J. Ngwenya
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14. **Title:** AgMIP-Pakistan Phase-II, A continued journey of AgMIPization; Expectations of stakeholders and outcomes
Authors: Fahd Rasul, et al. **Presenter:** Fahd Rasul
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Session 1.6 Remote Sensing, Land-use, and Scaling

15. **Title:** Disentangling factors of landscape changes in Burkina Faso, the nexus between spatial modelling and remote sensing
Authors: Camille Jahel et al. **Presenter:** Louise Leroux
16. **Title:** Determination of leaf area index and biomass value in the wheat fields with different method approaches using the remote sensing, LAI measuring device and manuel measuring
Authors: Omer Vanli **Presenter:** Omer Vanli
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Session 1.8 Livestock and Grasslands

17. **Title:** Modeling Climate Change Impacts On Livestock Productivity In Semi-Arid Zimbabwe
Authors: Trinity Senda et al. **Presenter:** Trinity Senda
18. **Title:** Parameterizing LivSim for simulating growth of the Ghana shorthorn cattle
Authors: Eric Timpong-Jones et al. **Presenter:** Dilys MacCarthy
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Session 2.1 Scenarios and RAPs

19. **Title:** Representative Agricultural Pathways (RAPs) and Scenario design with stakeholders for exploring climate change impacts, vulnerability and adaptation options of farming systems in Zimbabwe
Authors: Buhle Francis et al. **Presenter:** Sabine Homann-Kee Tui
20. **Title:** Developing National Representative Agricultural Pathways (RAPs) – Reflections, lessons and outcomes from high level stakeholder consultations in India
Authors: Nataraja Subash et al. **Presenter:** Nataraja Subash
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Session 2.3 Biophysical Impacts of Climate Change

21. **Title:** The Impact of Climate Change on Rainfall and Maize Production in Nakon Ratchasima, Thailand
Authors: Jaruwan Heangmanee **Presenter:** Jaruwan Heangmanee
22. **Title:** Evaluation of Climate Impact, Adaptation, Vulnerability and Resilience in Agricultural Systems using AgMIP Regional Integrated Assessment Methods
Authors: Sabine Homann-Kee Tui et al. **Presenter:** Sabine Homann-Kee Tui
23. **Title:** Impacts of climate change: a sensitivity analysis to understand the role of soil fertility and water on maize in the face of climate uncertainty in semi-arid Zimbabwe
Authors: Patricia Masikati et al. **Presenter:** Patricia Masikati
24. **Title:** Climate impacts on crop yields in Central Argentina. Adaptation strategies
Authors: Alfredo L. Rolla et al. **Presenter:** Maurits Van den Berg
25. **Title:** Selection of a Representative GCM Subset for Integrated Assessment Modeling
Authors: Alex C. Ruane and S. P. McDerimid **Presenter:** Alex C. Ruane
26. **Title:** Climate change impacts on maize production in western Mozambique
Authors: Jairos Rurinda et al. **Presenter:** Patricia Masikati
27. **Title:** Assessing the Yield Gap and resource use efficiency of Maize -A case study in Ethiopia
Authors: Amit K. Srivastava et al. **Presenter:** Amit K. Srivastava
28. **Title:** Balancing crop production and groundwater table recovery by cropping system adaptation in the North China Plain
Authors: Honglin Zhong et al. **Presenter:** Honglin Zhong
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Session 2.4 Soils and Crop Damage

29. **Title:** Management of N fertilizer to sustain winter wheat yield in response to climate change: case study for eastern Austria
Authors: Elnaz Ebrahimi et al. **Presenter:** Elnaz Ebrahimi
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30. **Title:** Comparing two models of the diurnal temperature cycle for the simulation of crop and pest phenology under climate change
Authors: Raphael Felber et al. **Presenter:** Raphael Felber
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31. **Title:** The efficacy of crop rotations and nutrient management in maintaining farmer livelihood and ecosystem services: a case study from Madhya Pradesh, India
Authors: Sonali McDermid et al. **Presenter:** Sonali McDermid
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32. **Title:** The modelling approach for describing productive and fertility dynamics in long-term experiments
Authors: Domenico Ventrella and L. Giglio **Presenter:** Domenico Ventrella
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33. **Title:** Biotic constraints in APSIM: modelling wheat yield loss in the presence of *P. thornei* populations
Authors: Jeremy Whish and J. Thompson **Presenter:** Jeremy Whish
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Session 2.5 Crop Model Improvement and Genetics Applications

34. **Title:** Crop model simulation slants for predicting and managing the climate risks in poor rainfed rice-wheat eco-system of Mid-Western Nepal: application of APSIM, DSSAT model and trade off economic analysis
Authors: Rajendra Darai et al **Presenter:** Rajendra Darai
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35. **Title:** Modeling the effects of genotypic and environmental variation on maize phenology
Authors: Kofikuma A. Dzotsi et. al. **Presenter:** Kofikuma A. Dzotsi
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36. **Title:** Enhancing EcoMeristem model to better predict rice crop performance in response to increasing atmospheric CO₂ concentrations
Authors: Damien Fumey et al. **Presenter:** Damien Fumey
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37. **Title:** Modeling sorghum and millet genotypes responses to several fertilizer applications in order to optimize fertilizers use according to climate
Authors: Kyky K. Ganyo et al. **Presenter:** Bertrand Muller
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38. **Title:** Effect of rainfall variability on the crop growing season characteristics: case of smallholder farming in Zimbabwe
Authors: Hillary Mugiyi **Presenter:** Hillary Mugiyi
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39. **Title:** Effect of planting dates on tillering of local varieties of sorghum in Burkina Faso, West Africa
Authors: Moussa Sanon et al. **Presenter:** Gerrit Hoogenboom
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40. **Title:** Model improvements for simulating heat stress in irrigated wheat by considering canopy temperature in a semi-arid environment: a multi-model comparison
Authors: Heidi Webber et al. **Presenter:** Heidi Webber
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57. **Title:** Daphne: a generic database to integrate multiscale agronomic and phenotypic information for crop modelling
Authors: Lauriane Rouan et al. **Presenter:** Lauriane Rouan
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Session 2.6 Global Economics and Integrated Assessments

41. **Title:** Towards a new generation of Decision Support Models: The TOA-MD Model version 6.1 and Tools for Impact Assessment
Authors: John Antle and R. Valdivia **Presenter:** John Antle
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42. **Title:** Crop Yields, Food Security, and GHG Emissions: An Analysis of Global Mitigation Options for Rice Cultivation
Authors: Robert Beach et al. **Presenter:** Robert Beach
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43. **Title:** Implications of climate change for agricultural GHG mitigation in Latin America
Authors: Robert Beach and S. Waldhoff **Presenter:** Robert Beach
44. **Title:** Innovations at the Nexus of Food, Energy, and Water Systems (INFEWS): A National Science Foundation (USA) initiative to examine critical issues in today's world
Authors: James W. Jones et al. **Presenter:** James W. Jones
45. **Title:** Sustainably intensifying global cropland by considering yield-environmental tradeoffs
Authors: Wenfeng Liu and H. Yang **Presenter:** Wenfeng Liu

Session 2.7 Regional Integrated Assessments

46. **Title:** The Regional Gridded Crop Modelling Activity (RGCMA) - India Focus
Authors: Delphine Deryng et al. **Presenter:** Delphine Deryng
47. **Title:** Assessing climate impacts to critical indicators of farmers' livelihood: a carbon, temperature, and water sensitivity analysis
Authors: Sonali McDermid et al. **Presenter:** Sonali McDermid
48. **Title:** Spatial analysis of profitability of Chickpea farms under changing climate in Andhra Pradesh, India
Authors: Swamikannu Nedumaran et al. **Presenter:** Swamikannu Nedumaran
49. **Title:** Uncertainty of GCM projections under different Representative Concentration Pathways (RCPs) at different temporal and spatial scales – Reflections from 4 sites in Indo-Gangetic Plains of India
Authors: Nataraja Subash et al. **Presenter:** Nataraja Subash
50. **Title:** AgMIP-Peru: An Initiative to Assess Climate Change Impacts on Agricultural Systems in Andean Ecosystems: Peruvian Andes as Pilot Site.
Authors: Irene Trebejo and R. Valdivia **Presenter:** Roberto Valdivia
51. **Title:** In Search of Sustainable Development: Modeling Semi-Subsistence Crop-Livestock Systems to Solve the Poverty-Productivity-Sustainability Puzzle in Sub-Saharan Africa
Authors: Roberto Valdivia et al. **Presenter:** Roberto Valdivia

Session 2.8

52. **Title:** Challenges of integrating expert reasoning in DSS evaluation
Authors: Romain Bourget et al. **Presenter:** Vianney Houllès
53. **Title:** Calibration of CropSyst combining available climate information, remote sensing and data and minimum yield data
Authors: Francisco J. Meza and W. Davila **Presenter:** Francisco J. Meza
54. **Title:** How to use global sensitivity analysis to improve the user experience of a crop model commercialized in a Web Application? Feedbacks from the conception of CropWin®-Corn
Authors: Pierre Moreau et al. **Presenter:** Pierre Moreau
55. **Title:** How weather uncertainty impacts the predicted yield in CropWin-Soybean?
Authors: Amélie Pinet et al. **Presenter:** Amélie Pinet
56. **Title:** CASANDRA: Web based platform to assess impacts and define adaption strategies to climate change
Authors: Alfredo L. Rolla et al. **Presenter:** Maurits Van den Berg

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