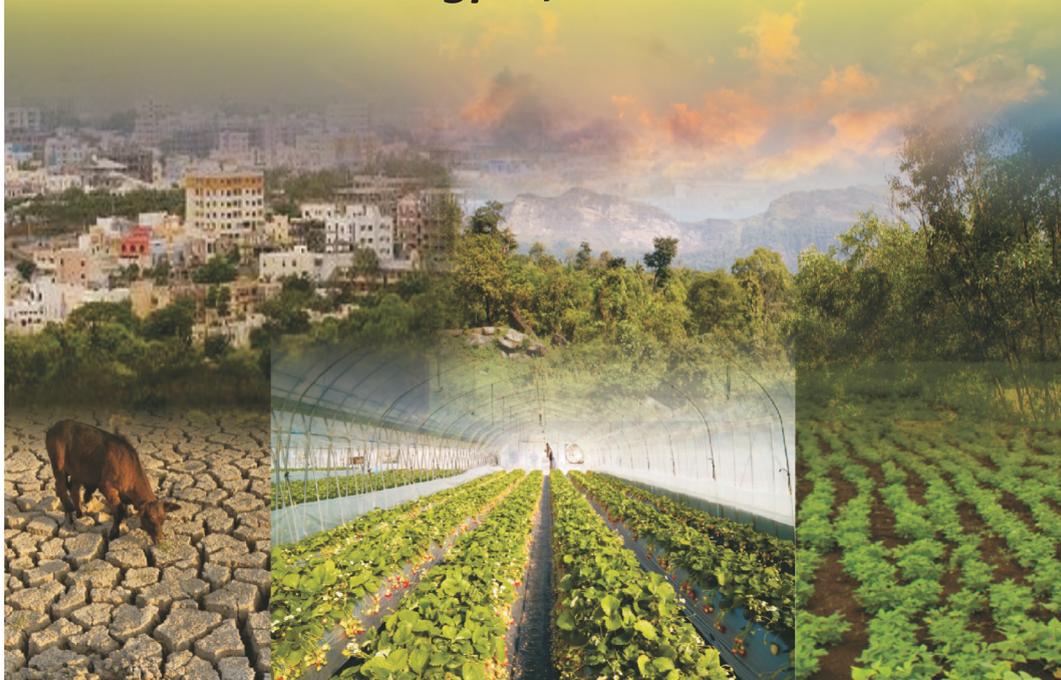




FIRST CIRCULAR

International Conference on
INTEGRATED LAND USE PLANNING FOR
SMART AGRICULTURE
-An Agenda for Sustainable Land Management
(ICILUPSA-2016)

November 10-13, 2016
Nagpur, India



Organized by
INDIAN SOCIETY OF SOIL SURVEY AND LAND USE PLANNING (ISSLUP)
ICAR-National Bureau of Soil Survey and Land Use Planning Campus,
Amravati Road, Nagpur 440 033, India

International Conference on Integrated Land Use Planning for Smart Agriculture

BACKGROUND

Soil and land resources, in recent years, are under tremendous pressure due to highly competing and conflicting demands for food, fodder and fuel. In addition, the claims on land for settlements, urban growth, industrial expansion, roads, railways and other uses are on progressive rise. As a consequence, per capita arable land availability has registered a serious declining trend. This has set in an imprudent trend of land utilization for immediate economic gains with utter disregard to the risk of damage to the land resources and environment. As a result, fertile and productive lands are being progressively diverted from crop lands to industrial and other uses, whereas, marginal lands with impoverished soils are being tilled for agricultural crops. This apathy to the harmonious usages of land in accordance with potentialities and capabilities of soils has given rise to a multitude of serious problems.

India has witnessed progression from hunger to self-sufficiency in food production due to use of water, seeds of high yielding varieties and fertilizers, but the sustainability of the production system is at stake due to deterioration in resource base both in quantitative and qualitative context. The production systems are further constrained by climatic vulnerability, which has remarkable impact on Indian Agriculture.

India is predominantly an agrarian economy with about 86 m ha area without irrigation and totally dependent on monsoon. This rainfed area is nearly about 60% of the net sown area (143.8 m ha) and contributes about 40% of the total food production of the country. In such a scenario, there is a need for judicious use of precious land and water resources and switching over to more remunerative crop/farming system which can sustain the brunt of climate change. The decline in soil quality including depletion of organic carbon is leading to loss in rhizosphere biology causing multiple nutrient deficiencies and consequently agricultural productivity. Adoption of improved management practices, such as, residue recycling, integrated use of inorganic fertilizers and organic manures sustainably enhance soil quality and efficiency of production system. Conservation agriculture, efficient use of water and nutrients may further enhance the productivity of crops and soil. A systematic appraisal of natural resources and appropriate land use planning is necessary before embarking upon these technologies.

Realizing these necessities, the global focus has shifted to a landscape approach in land use planning (LUP) as it presents a developmental agenda that contributes to the prevention and resolution of land use conflicts, adaptation of land uses to physical and ecological conditions, the lasting protection of land as a natural resource and a balanced use that fulfils social, ecological and economic requirements. The recent agreements and commitments made during the "World Climate Summit-2015" also indicate that the world leaders are keen to unite together and work for sustainable use of natural resources. It is hoped that, the new era planners, administrators and researchers around the world would be keen to share their thoughts and findings for shaping the future policies. In view of the above, Indian Society of Soil Survey and Land Use Planning has planned to organize an International Conference on "Integrated Land Use Planning for Smart Agriculture."

OBJECTIVES

- To deliberate modern/emerging techniques and technologies of land (soil) resources' assessment and evaluation for conservation agriculture.
- To understand land degradation processes, status of degraded and wastelands and advances in abiotic stress management for sustainable agriculture.

- To exchange global experiences in agro-ecologically resilient land uses: their dynamics, synergies and to explore novel landscape approach for implementing climate smart agriculture.
- To examine existing land, land use systems and allied agricultural policies to meet the aspirations of global societies, particularly in the developing world.
- To formulate climate smart land use policies and interventions for sustainable land management in different agro-ecologies.

MAJOR THEMES

- Technological advances for assessment and evaluation of soil and land resources in different agro-ecological settings.
- Land quality, abiotic stress management and challenges for resilient agriculture that meet aspirations of growing populations.
- Land use synergies and landscape approach in land use planning for climate smart agriculture.
- Land use policy interventions and challenges for sustained global food security.

SUB-THEMES

- Advances in natural resources inventory and monitoring
- Soil quality and challenges in resilient agriculture
- Climate change and land use/land cover dynamics
- Land degradation and abiotic stress management
- Land use synergy and landscape approach for land use planning
- Water use efficiency in rainfed and irrigated agro-ecosystems
- Climate smart agriculture and rural livelihoods
- Geo-Information and communication technologies (Geo-ICT) in smart agriculture
- Policy interventions, socio-economic constraints and challenges in global food security

REGISTRATION FEE

INDIAN DELEGATES

- | | |
|--------------------------------------|------------------------------------|
| • ISSLUP Members | ₹ 6,000 (After due date ₹ 8,000) |
| • Non- ISSLUP Members | ₹ 8,000 (After due date ₹ 10,000) |
| • Industry and Private Organizations | ₹ 12,000 (After due date ₹ 15,000) |
| • ISSLUP Student Members | ₹ 4,000 (After due date ₹ 5,000) |
| • Non-ISSLUP Student Members | ₹ 6,000 (After due date ₹ 7,000) |

FOREIGN DELEGATES

- | | |
|-----------------------|---------------------------------|
| • Foreign Delegates | \$ 5,00 (After due date \$7,00) |
| • Accompanying Member | \$ 3,00 |

IMPORTANT DATES

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|---|-------------------------------|
| • Notice of Intent | 31 st March, 2016 |
| • Submission of Abstract | 30 th April, 2016 |
| • Acceptance of paper/extended summary | 30 th June, 2016 |
| • Registration fee (without late fee) | 31 st July, 2016 |
| • Receipt of full length invited papers | 31 st August, 2016 |

INTENT FORM

**International Conference on
Integrated Land Use Planning for Smart Agriculture
-An Agenda for Sustainable Land Management
(ICILUPSA-2016)**

November 10-13, 2016, Nagpur, INDIA

(Please mail or fax this form so as to reach the Organizing Secretary latest by 31st March, 2016)

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