



Introduction to 2"International River Summit

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International

Alvidon Asis,

Rivers are the life of a nation; their flow provides rhythmic vibrations to nature and sustains ecology and bio diversity. The rivers have vast contribution to national economy, .by providing input to agriculture and are source of energy to various sector. Most of the culture in the world flourished near the rivers and Climate Change, Uneven population growth and vast Industrialization has posed the challenges of water Scarcity, water contamination, Sanitation and health problems, Environmental pollution, food Security problems and biodiversity losses throughout the world.

The UN Decade 2018-28, Calls for Action water for development of sustainable future, will be the major agenda for 2nd International River Summit. The river summit this year will focus on development of Integrated water resources and their management to achieveWater and food security in the changing climate scenario and would compile how the sustainability can be archived through latest technologies, ICT and resource mobilization. The Summit will explore nature, Science and Technologybased solutions to the multiple water challengeswe face in 21st Century due to water crises and water stressed agriculture.

The thematic sessions will also focus on special discussions on how we can achieve internationally agreed water related goals and targets, including those contained in the 2030 Agenda for sustainable development by involving national and local issues.

The 2nd International River Summit will provide an open forum to world leaders, government representatives, Institutional heads, Scientists, Academicians, reserchers, hydrologists, Engineers, Economists and Sciologists and the subject matter specialists to establish a vision, that how the SDG 6 and other SDG's can be helpful to achieve sustainability by 2030 despite having several hurdles.



2nd International

RIVER SUMMIT 2019

November 28-30 Prayagraj, INDIA

Venue : National Academy of Sciences India 5 Lajpatrai Road, Mumfordganj, Allahabad, U. P. 211002

THEME 1: Rivers as a Source of Inspiration and Life

Surface and ground water resources demand and Challenges, Basin Studies
 Agriculture & Horticulture Production, consumption patterns
 Sea and Fresh water Fisheries and biodiversity
 Economy, Infrastructure, Poverty, Diversity, inequality, Sustainability of Resources

THEME 2: Valuing Rivers and Water

Drinking water, waste water, sanitation Hygiene, WASH

Agriculture water quality, wastewater treatment,
Agriculture production, Water use efficiency, water productivity, water use
Protection and restoration of Ecosystem, Food Processing

THEME 3: Threats to water resources and Food Security

Water Scarcity, Climate Change mitigation, Carbon emission
 Flood and disasters, soil degradation and desertification
 Hydrology, watersheds, Forests, Flood disasters, Debris Flow
 Threats to Food security, Agriculture and fisheries

THEME 4: Ecosystem Rejuvenation

- Recharging, moisture conservation, Managing Agriculture, Horticulture and forests,
 Integrated watershed management. Water Harvesting, Managing Water resources
- Soil Conservation, Land Management, Watershed Managemer
- · Wetlands, Ecosystem regeneration, DNA manipulation
- Plant genetics and breeding, marine pollution, Coastal eutrophication

THEME 5: Feel the Vibration of Sustainable Life

- Maintaing Ecosystem Services, Organic farming, Pollution control, Improving soil
- Biotechnology, Plant research and genetic Improvement
 Food loss reduction; Health Management
- Forest restoration, sustainable cities, Villages and Settler
- Wet lands and life below the sea

THEME 6: Science, Technology, ICT and innovation

- IT and IOT Applications, Database Management, Data Mining, Big Data applications
- Remote Sensing and GIS, Knowledge Management, Accounting Monitoring
- Hydrological studies, Models, Softwares for Information Managemen • Electronics and Electrical Engineering Applications Crop studies and Analysis

THEME 7: Policy issues, Governance and Resource Mobilization

- Water awareness, and implimentation, Indirect opportunities and transboundry issues
- National Issues and plans. Governance of water resources Academia as a knowledge and information repository
- Case studies and proposals, Mobilizing financial resource, investment in infrastructures

(For detailed themes please see the website)

- 1st Asian Meet and Round Table discussion in Open Forum on SDG 6 Implications
- and Climate Change Adoption
 2nd National Meet on Water Crises and Policy issues

Special Sessions

. Water and Climate Food Security Sustainable Agriculture Biotechnology Information Technology. Engineering & Technology

Events

Plenary and Technical Presentations and Case Studies Panel Discussions Interactions with Farmers, Students, academicians and Scientists Field Visits Gala Dinner Social Gathering Exhibition

Awards and Honours Young water professional

Global water professional Global Water Ambassador Global Partner in Water Initiatives
Global Partner in Sustainable Developme
McDonald International

The DREAM INDIA Industrial

Leadership Award

The DREAM INDIA

Study Tour Visit to Ganga Gallary

Field Visits The Historical City Prayagraj SANGAM-Confluence of Ganga and Yamuna Rivers

Exhibition on

Product and Technology

Organized Visit to Varanasi/ Chirakoot & Khajuraho