

Water Theme of Dhan Foundation is striving for the conservation and development of small traditional water resources such as tanks, ponds, ooranies, supply channels, etc in addition to the development of watersheds through communities' ownership. At present it is working in 7 states and 17 river basins with the support of the Government, national and International Philanthropies, CSRs, farmers and other agencies

Gundar Basin is one of the driest river basins in Tamil Nadu spreading over 5660 sq.km. The basin receives a rainfall of about 550-990 mm. There are 2276 tanks, 5500 ponds and 43 diversion weirs in 6 sub basins. About 85,888 ha of land is irrigated by the tanks which contribute to food security needs of 3000 hamlets in five districts. Water theme of DHAN Foundation is working in this basin for past 25 years. At present Hindustan Unilever Foundation is sponsoring for restoration of tank system in Gundar basin along with community contribution.

### **Madurai Symposium 2017**

Thamukkam Grounds, Madurai  
20<sup>th</sup> - 24<sup>th</sup> September, 2017

#### **Venue and Date**

Thamukkam Grounds, Madurai  
24th September 2017.  
Registration starts at 9.00 am

Kindly Register to confirm your Participation and send research articles/Case studies/Experience Essays if any, through email to

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### **DHAN VAYALAGAM (TANK) FOUNDATION**

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## **Application of GIS in Water Resources Development and Resilience Building**

DHAN's "GIS initiatives in Gundar Basin for Grassroots action"



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## Taking GIS towards Grass roots

Though Mapping is the key function of Geographic Information System now-a-days multiple stakeholders use GIS in framing policy, planning strategies in development cum management and also to communicate. By the help of GIS technology, it is easy to map out flood vulnerable zone, encroachments in water bodies/river stream, change in cropping pattern, identifying pockets for biodiversity restoration and carryout impact assessments. This can be integrated with farmers' traditional knowledge for better

## Topics in focus of the seminar

- GIS application in,
  - Watershed modelling
  - Tank-fed irrigation system
  - Water budget modelling
  - Impact assessment of water resources
  - Climate resilience
  - Disaster and vulnerability
- Advancement in surveying techniques for water resources applications
- Application of different software in water resources
- Taking software towards hard grounds for resilience and resources conservation

## The Target Participants

Students and researchers aligned to research in water resources and resilience building. Professionals from Public and Private Organizations, NGOs and farmers engaged in water resources development, planning and management.

**Last date for submission of Research articles, Case studies and Essays is 20<sup>th</sup> Sep, 2017. It will be published as book and issued to participants during seminar.**

DHAN Foundation having 25 years of experience in grassroots has begun to take the technological advancement towards farmers and water managers. It is exploring, experimenting its action research on "Application of GIS in water resources and Climate resilience". This seminar is first of its kind to take GIS techniques to grassroots for welfare of poor communities.

Madurai Symposium is a biennial event which attracts diverse stakeholders in development: Community Organizations, Civil societies/NGOs, Government, Banks, Insurance Companies, CSR Foundations, Donors, Philanthropists and Academia. The previous edition of 2015 saw participation of 10000 stakeholders and deliberated on localizing the Sustainable Development Goals. This 8th Madurai symposium seeks to engage with the topical theme Building resilience. It is scheduled on 20th to 24th September 2017.

Two best presentations will be awarded with  
Price worth of Rs. 2,000/-

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