



**Climate Change  
Research Institute**

*Science & Technology Solutions for Sustainable Energy Future*

## About CCRI

The Climate Change Research Institute (CCRI) is founded with a mission to disseminate science & technology research in the field of climate change mitigation and adaptation. It educates and informs youth in schools and colleges about the ecosystem changes and consequences of climate change. It seeks to achieve this through organizing awareness and capacity building workshops, scientific events of national relevance; holds lectures, campaigns on topics of scientific & societal interest in environment and climate change.

## Implementing SDG 14 - Kochi 2019

In September, 2015, the United Nations adopted the 2030 Agenda for Sustainable Development that comprise of 17 Sustainable Development Goals (SDGs) and 169 targets. The **SDG 14** targets to **Conserve and Sustainably use the Oceans, Seas and Marine Resources for Sustainable Development**. The Climate Change Research Institute (CCRI) recognizes the importance of education & awareness in the context of Marine Ecology and proposes to discuss the following sub-targets of SDG 14.

**14.1** - By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution.

**14.3** - Minimize and address the impacts of ocean acidification, including through enhanced scientific cooperation at all levels.



# Climate Change

## Drivers

- Anthropogenic Activities leading to greenhouse gas emissions
- Deforestation and Land Use Changes
- Climate and Earth System feedbacks
- El – Nino Changes
- Carbon Cycle Imbalances

## Impacts

- Intense Weather Events
- Frequent Droughts & Forest fires
- Shifting Agriculture Practices
- Sea Level Rise
- Coastal and Marine Ecosystems
- Water Scarcity

## S & T Solutions

- Energy Conserving & Energy Efficient Technology
- Renewable Energy Resource Utilization
- Low Carbon Fuel for Electricity
- Land and Water Management
- Marine Ecology & Sustainability
- Solar Rooftops & Parks
- Smart Cities
- Green Buildings & Infrastructure
- Carbon Capture, Storage & Utilization
- Waste Management - Reduce, Recycle & Reuse
- Beat Plastic Pollution
- Afforestation and Reforestation
- Biodiversity Conservation

## What You & I can do

- Generate your own solar energy
- Use efficient electric & lighting appliances
- Use public transport or bicycle to save fuel
- Encourage Car Pooling
- Reduce and Reuse Plastic
- Do not throw waste plastic or fishing net in oceans
- Regular Beach cleaning drive in coastal areas
- Switch off lights when not in use
- Segregate & Manage your kitchen waste
- Increase plantation & greenery in surroundings
- **Awareness and Education Campaigns**
- **Capacity Building and Training Workshops**

### Contact

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