National Collaborative Scheme on Forest Fire Management

This scheme is being implemented by ICFRE-FRI through Scheme Implementation Unit with two major partners Forest Survey of India and Directorate of Forest Education, Dehradun.

National & International collaborations with expert institutes/ organizations

The broad objectives of scheme are to develop long term international cooperation in preventing, and managing the forest fires, a national web portal for database management and knowledge dissemination, research & development activities on ecological aspects of forest fires and to develop predictive models for forest fire, activities for improving the fire fighting tools and equipment, SOPs to prevent fire, identify the need for policy interventions for better management of forest fire, empowering the local communities in the prevention, suppression of forest fires and the restoration of fire affected areas, develop the institutions as 'state of the art' resource centers having complete database of information on forest fire and best practices adopted across the globe for its efficient handling and effective management, Training and capacity building

Major Activity under Scheme

- Development of National web portal for database management and knowledge dissemination.

- Development of forest fire knowledge network

- Development of Standard Operating Procedures (SOPs)

- Study on impact of future Climate change scenario on Forest Fire vulnerability

- Strengthening of SFDs by Fire suppression tools and techniques

- Assessment of damage and economic losses due to forest fire

- Post fire restoration and rehabilitation strategy in fire affected areas

- Community based Forest Fire management

ALL INDIA COORDINATED RESEARCH PROJECT FOREST FIRE RESEARCH AND KNOWLEDGE MANAGEMENT

The project is being implemented by ICFRE-FRI in five forest types (Tropical Moist Deciduous, Tropical Dry Deciduous, Tropical Semi-Evergreen Forest, Tropical Wet-Evergreen Forest and Sub-tropical Pine Forest), and fifteen states (Uttarakhand, Himachal Pradesh, Madhya Pradesh, Maharashtra, Chhattisgarh, Odisha, Andhra Pradesh, Telangana, Karnataka, Tamil Nadu, Kerala, Assam, Meghalaya, Mizoram, Nagaland)

- Baseline data on Timber, Fuelwood, Fodder, NTFPs, Biodiversity , Carbon Storage & Sequestration, Soil Nutrients from burnt and unburnt forest areas.

- Mapping of fire prone areas based on fire ecology is being carried out in five pilot districts viz., Amravati, Aizwal, Kadapa, Pauri Garhwal and Idukki representing different bio-geographic zones. Historical fire data with eenvironmental factors including Climatic , Topographical , Anthropogenic, Preventive interventions, Socioeconomic, Fuel Characteristics, Forest characteristics, is being used to map fire prone areas.

- FRI has collaborated with IIT, Roorkee, UPES Dehradun and CFEES, DRDO, New Delhi for design and development of fire-fighting tool kit and fire safety clothing's.

- Development of strategy for awareness campaign on forest fires in selected fire vulnerable landscapes.

Objectives

- To generate baseline data on forest fires in selected fire vulnerable landscapes
- Fire prone areas mapping based on historical fire data
- To upgrade existing forest fire fighting tools and develop new equipment
- Designing and development of strategy for awareness campaign

For more details contact:
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