

# Integration and Mapping of NBAP Action Points with State's Activities, Plans and Programmes



*under*

*Technical Session 1 and 2*

*of*

Regional Workshop for Mainstreaming  
Biodiversity on 14<sup>th</sup> and 15<sup>th</sup> Sept, 2017

**STATE OF PUNJAB**

# The Departments Concerned.....



- Department of Agriculture
- Department of Forests & Wildlife Conservation
- Department of Fisheries
- Department of Horticulture
- Department of Science, Technology and Environment
- Punjab Biodiversity Board and PSCST

# State Specific Legislations and Policies...



- The Punjab Preservation of Sub Soil Water Act, 2009
- Agricultural Produce Market Committee Act, 1961 (2017)
- Notifications for Burning of Crop Residues, 2013
- The Punjab Contract Farming Act, 2013
- Seed Control Order, 1985; Insecticide Control order, 1985
- Wildlife Protection Act, 1972
- Indian Forest Act, 1927
- FCA, 1980

# The brief outline of Projects and Schemes

## Promotion of Biodiversity

- Promotion of technology /Re-incorporation of Crop Residues
- Reclamation of Waste land and Water logged areas by digging fish ponds.
- Modernization and up-gradation of existing Government Fish Seed Farm.
- Goat Development Scheme/Native breeds under NMPS

## Sustainable Production

- Efficient Application of Nitrogenous Fertilizers using Leaf Colour Chart
- Seed Replacement of Wheat Seed
- Improvement in productivity of Wheat through control of Yellow Rust.
- Agro-geoinformatics for Analysis and Management of Natural Resources with respect to agriculture productivity

## Promotion of Biodiversity

- Pig Development Scheme
- Organic adoption (OA) and Certification (1000 hectares)
- Printing and Publication for promotion of OA
- Import of Embryos and High Genetic Merit Semen for improving productivity of cattle.
- Establishment of IVF labs for production of superior bulls

## Sustainable Production

- Project for efficient Conveyance of irrigation water through Community Pipeline system
- Facilitating Direct Marketing of Milk by Individual Dairy Farmers/Milk Producers/Companies/Self Help Groups.
- Efficient Technology Generation for Crop Improvement and Sustainable use of Natural Resources
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## Promotion of Biodiversity

- Setting of Pre-quarantine station at border for trade of livestock and livestock products
- Knowledge and skill development of dairy farmers and women
- Demos of Poplar and Eucalyptus (clonal plants distributed under CDP)
- Cluster demos of maize, cotton and pulses
- Distribution of Daincha seed for green manuring
- Promotion of climate hardy fodder crops

## Sustainable Production

- Sustainable Livestock, Dairy and Fishery Farming for Food Security and Economic Prosperity through Need-Based and Problem Oriented Research
- Post harvest handling of fruits and vegetables using plastic crates
- Establishment of Farm gate small cold stores
- Soil Health cards for efficient use of fertilizers
- Promotion of Bio-fertilizers in citrus Estates

## Promotion of Biodiversity

- Biodiversity Conservation through Expansion of Protected area, ex situ conservation programme etc
- FC Act monitors development projects in the State for which diversion of forest land is given
- Plantation on Government and Panchayat lands
- Re introduction of important species in the wild thereby rejuvenating the biodiversity
- Restoration of birds in plain areas by eradicating weeds e.g lantana

## Sustainable Production

- Compensation schemes for crop damages by wild animals, deaths/injury to humans

## Promotion of Biodiversity

- Conservation of wetlands
  - Ramsar Sites-Harikeri, Kanjali and Ropar
  - National Wetlands-Nangal and Ranjit Sagar
  - Issues—
  - Regular bird census
  - Habitat Improvement
  - Studies on Dolphins

## Sustainable Production

- Wise use of wetland Resources
- Community livelihoods
- Ecotourism





**Thanks**