Program at Ahmd

(Energy), Water, Food Nexus – Challenges Ahead – Climate Change (IPCC Report)

* Adverse effect of Climate change are well known. Agriculture is one of the most vitally affected sectors, especially in context of water management (shortage as well as foods).

Higher temperature - crop yields, pattern.

- loss of carbon from soil.

- soil moisture evaporation & Loss.

* Weather forecasting technologies have improved a lot advance info, for better planning is possible. This combined with timely, real time info is available.
* Farmers FPOs, credit cards, crop insurance.
* Role of Agri universities & ICAR, IARI in developing new varieties package of practices to be more resilient
* Salinity management (water & soil), Groundnut Research stations pioneering work, CCSRI took it up
* Nutrition, Soil Health, Agro waste to compost using microbial cultures (eg. Bioculum from excel)

SAP / Biostimulants

Nano urea

Human urine

Poultry litter

Major Nutrents – N, O, K, S Carbon – compost, Micronutrients – Chelated, Nano.

Nutrient mobiliser (Mobicel, Epicel)

* Simple farm mechanisation, eg. Rice / Paddy Parali harvester, Tool Bank Concept
* Rural, local Energy
  + Generate locally by eg. FPOs & distribute microgrid eg. Ankur Technologies, Vadodara
  + Solar pumps
  + Wind mills – Mini wind mills eg. Archimedes, Hyderabad

Thank You.