

“Irrigation Institution Reform – a Future Course in Nepal”

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History of Irrigation in Nepal



Irrigation in Nepal began in Sixth Century BC.

Irrigation systems in mountain terraces were developed 400 years ago.



There are about 20,000 (640,000 ha.) FMISs

Modern irrigation systems development started since 1920.

Irrigation Objectives

Past

- Food production
- Security against starvation in hills and mountains
- Increase in incomes

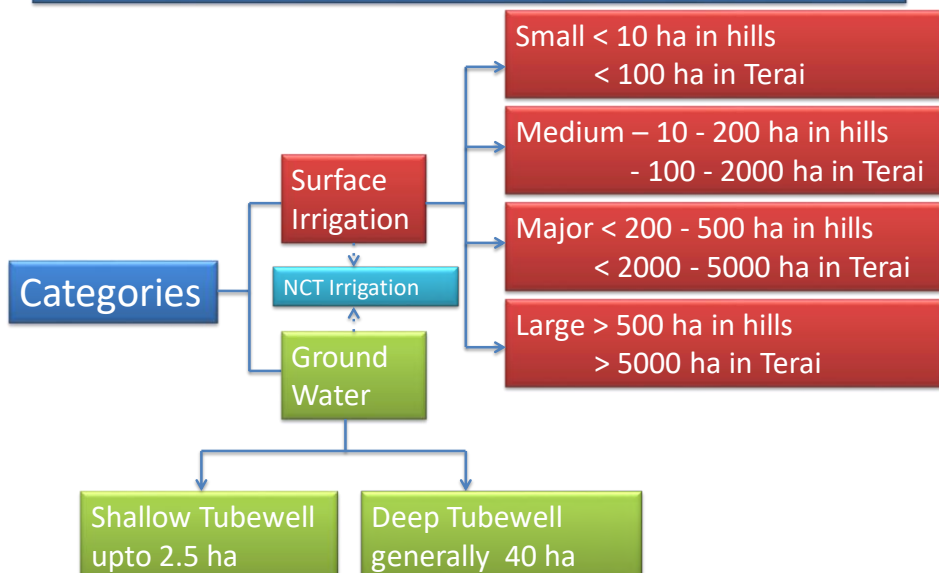
Now

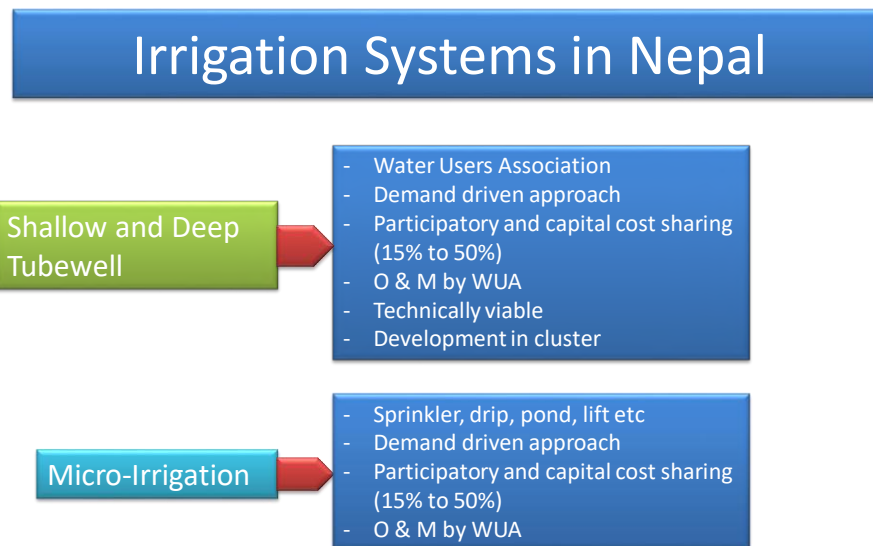
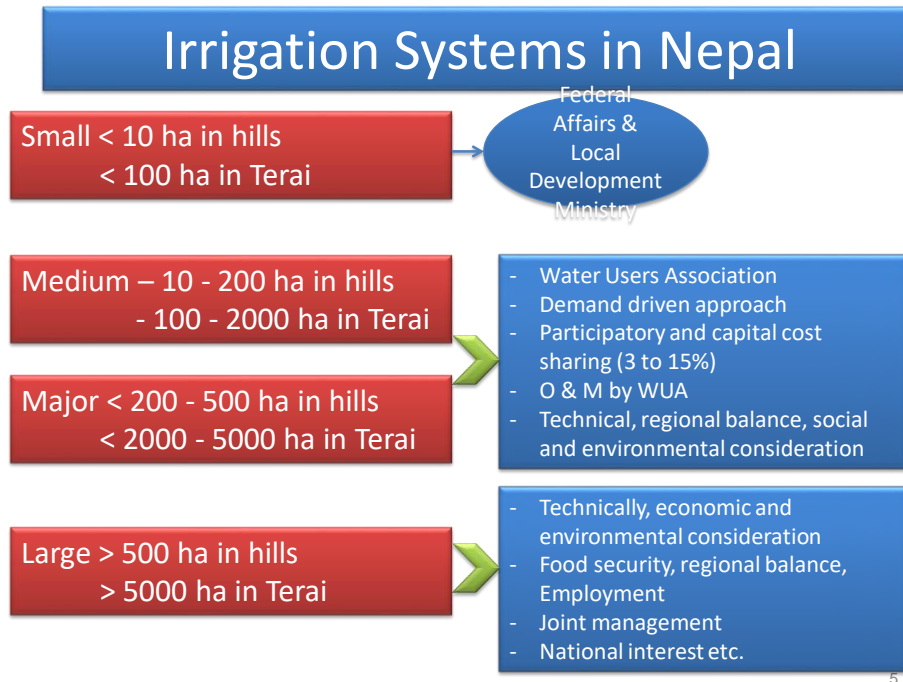
- Means for economic development with crop diversification
- Employment opportunity

Future

- An essential component of growth, social and economic development, poverty reduction, equity and as links for national integration and unity.
- Irrigation water a tradable commodity in terms of "virtual water" particularly in the form of exported agricultural commodities.

Irrigation Systems in Nepal





Irrigation Management in Nepal

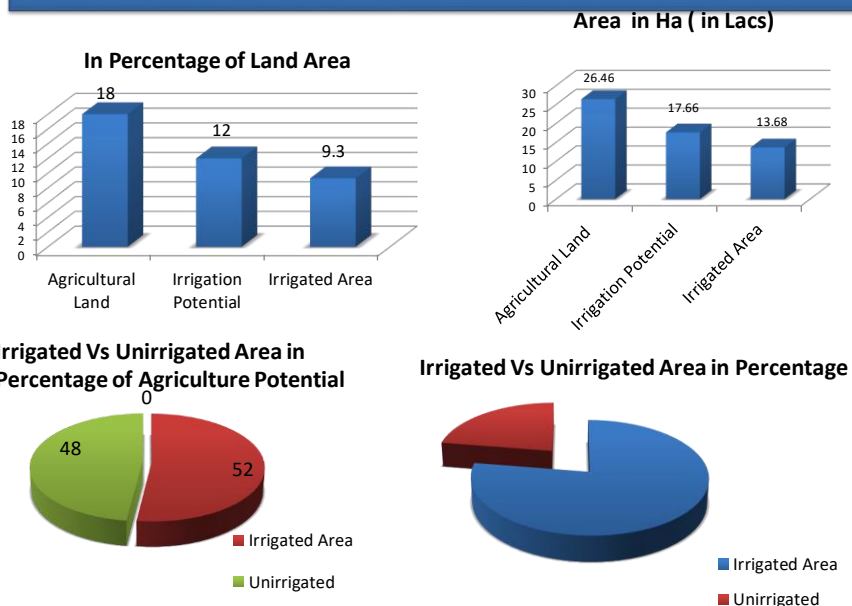
Small and Medium Irrigation Systems are managed by the beneficiary farmers

Large and Major (>2,000 ha) irrigation systems are under joint management

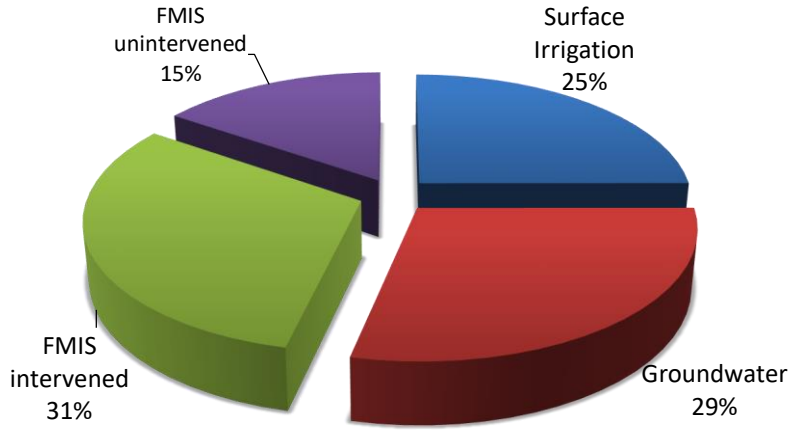
Management transfer of state developed irrigation systems began in early 1990.

Operation and maintenance costs are to be covered by the ISF collected from the farmers

Irrigation Present Status



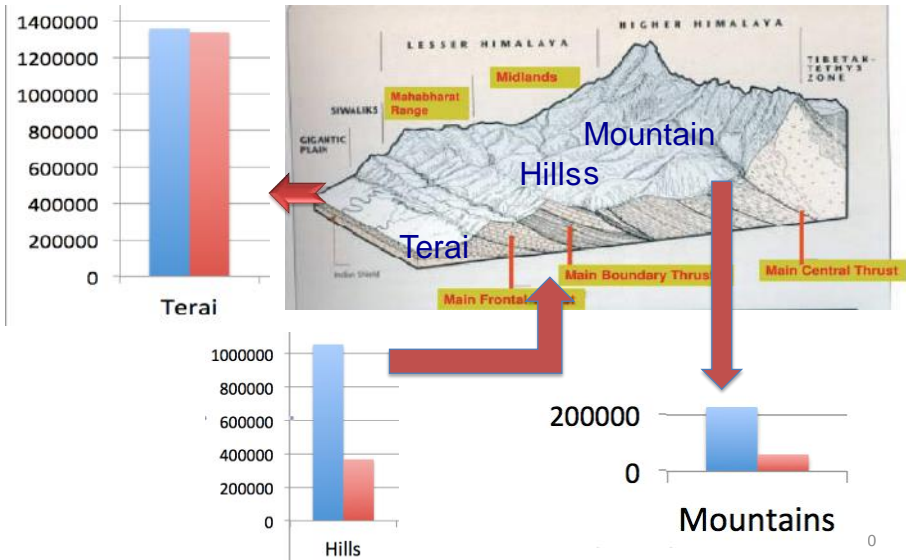
Irrigated Area in ha



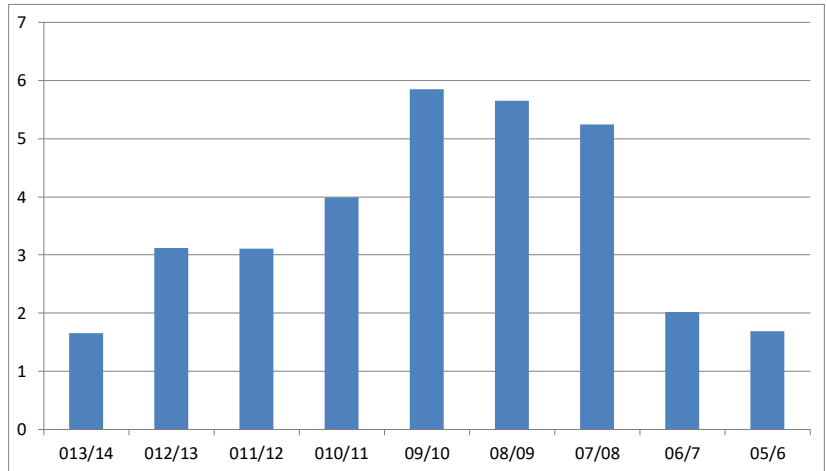
Total irrigated area 13,68,759 ha, Potential 1.76 million ha

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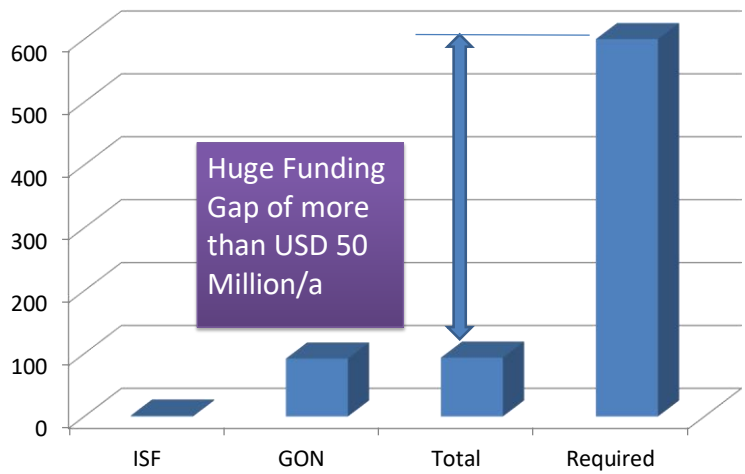
Agriculture Vs Irrigation Potential, ha



Irrigation Service Fee in Percentage of Operation and Maintenance Cost



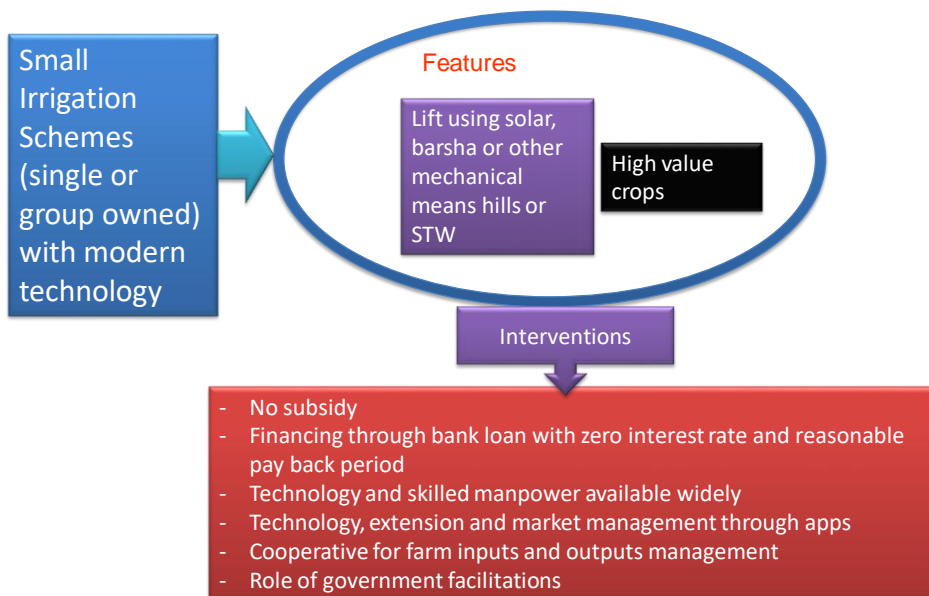
Maintenance Funding Gap

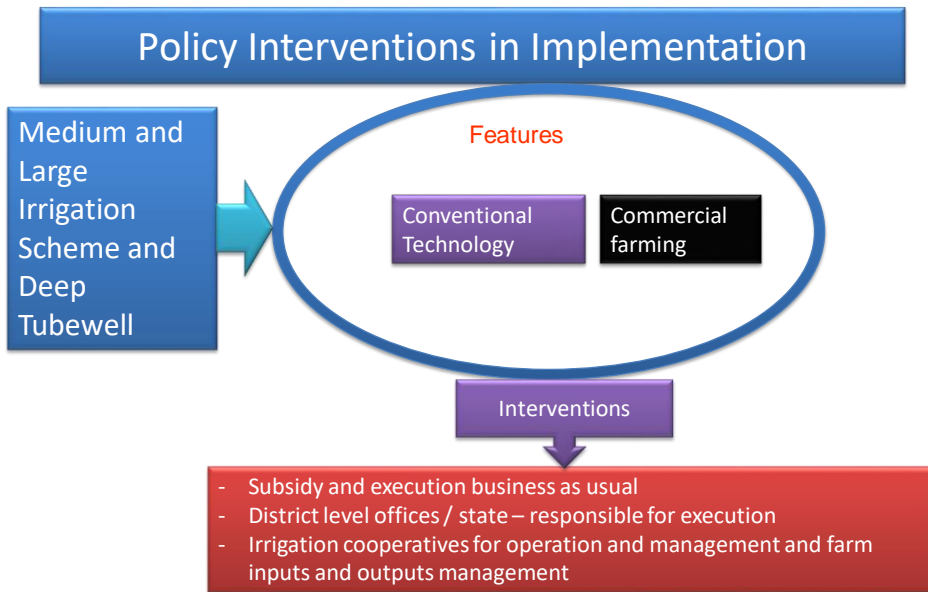


Policy and Institutional Intervention through proposed Irrigation Act

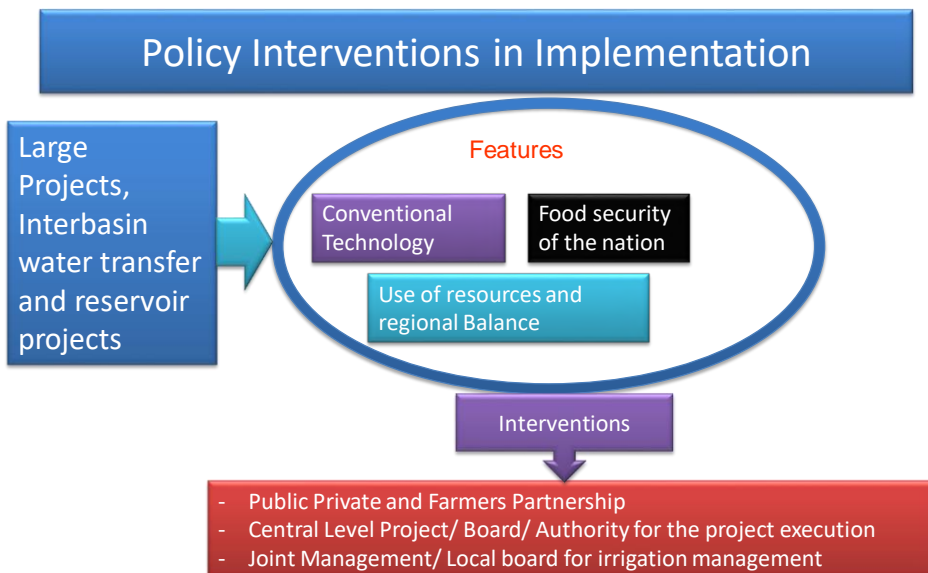
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Policy Interventions in Implementation



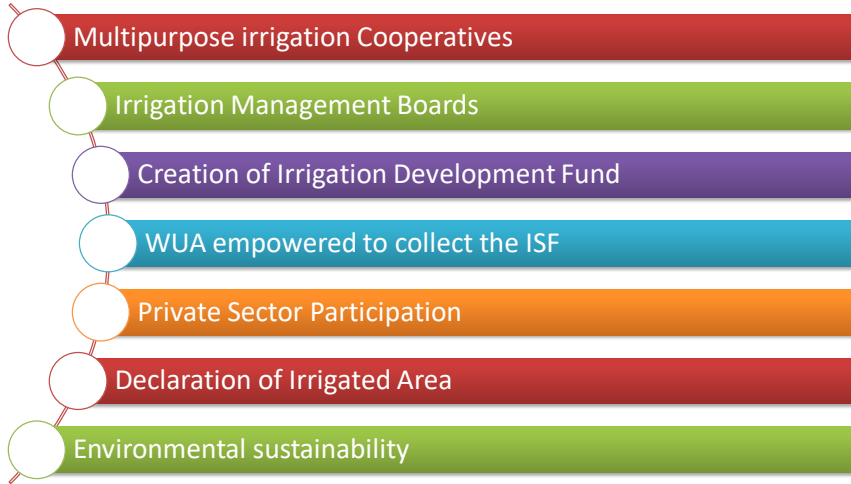


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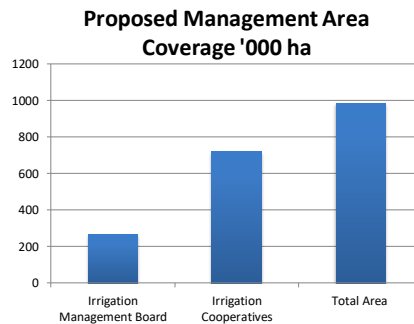
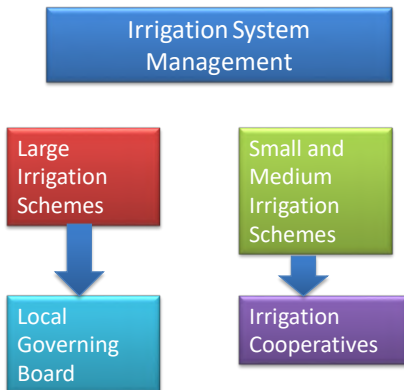


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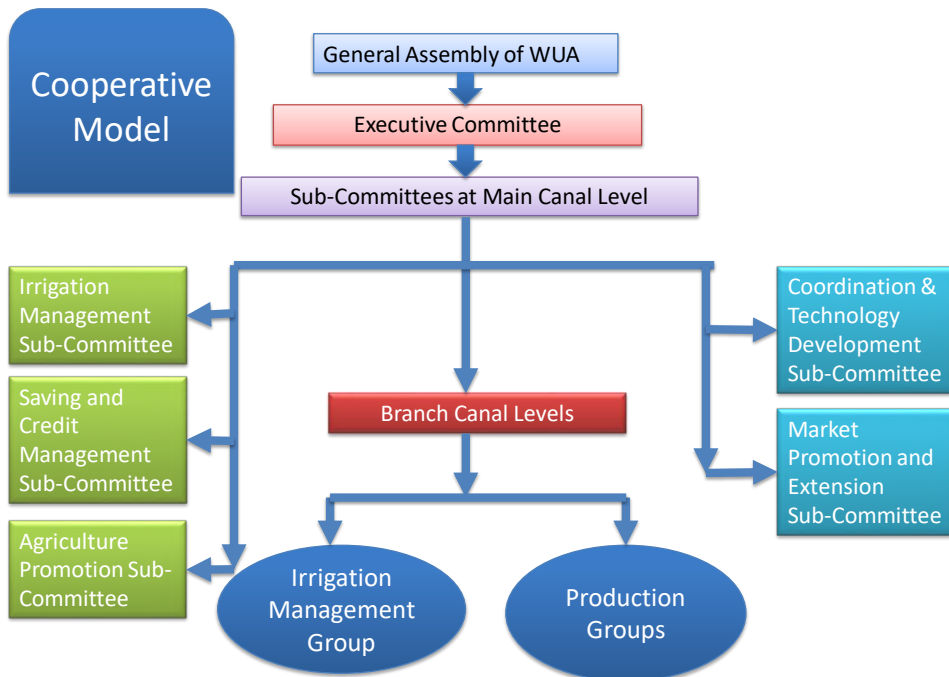
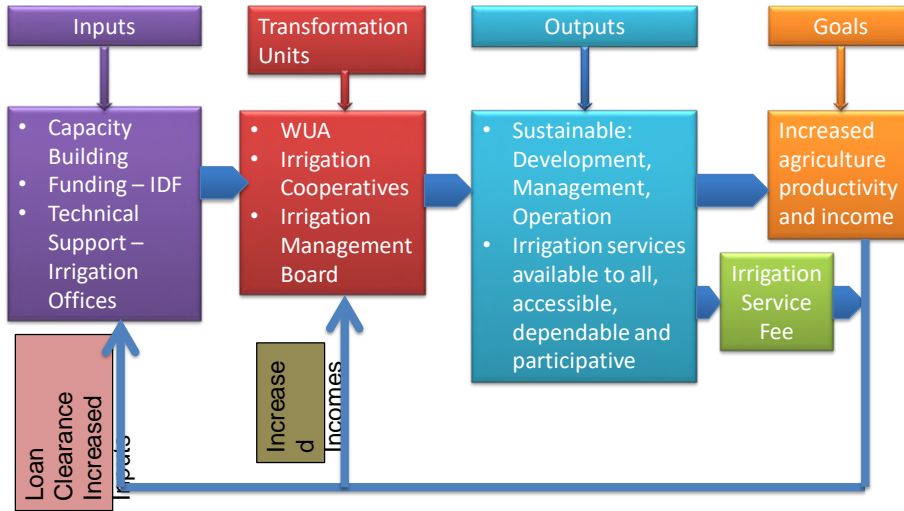
Policy Intervention



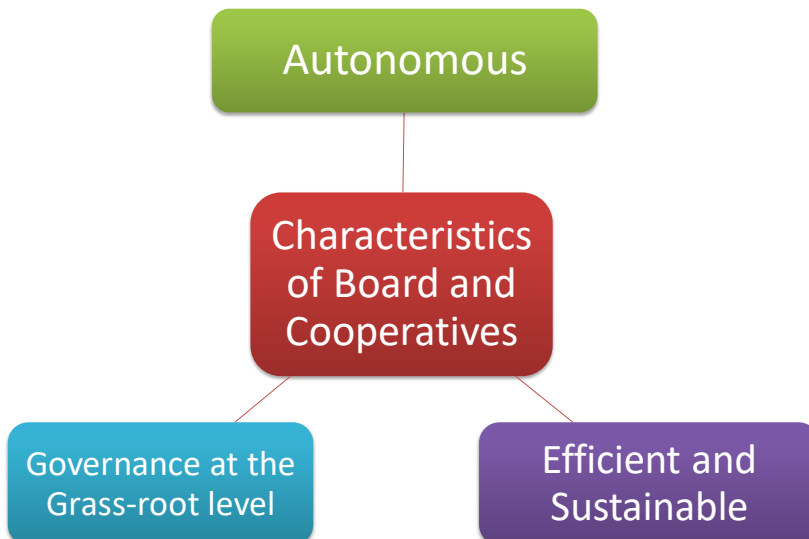
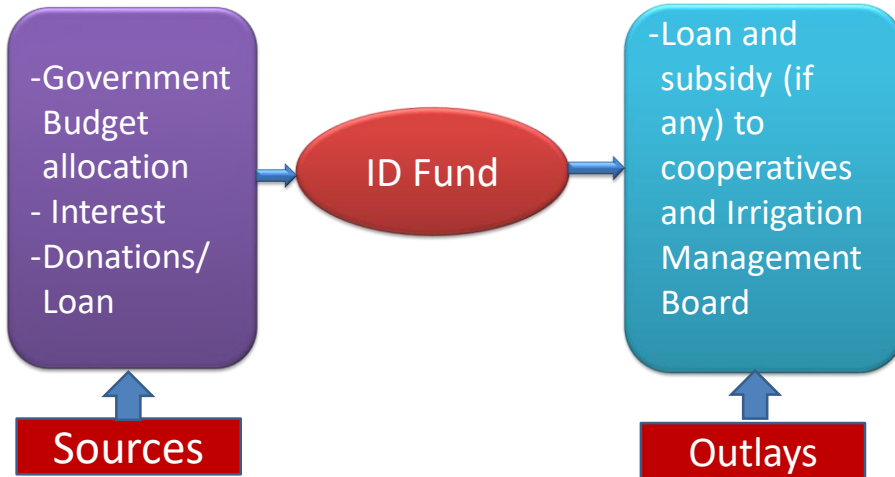
Irrigation Institutional Intervention



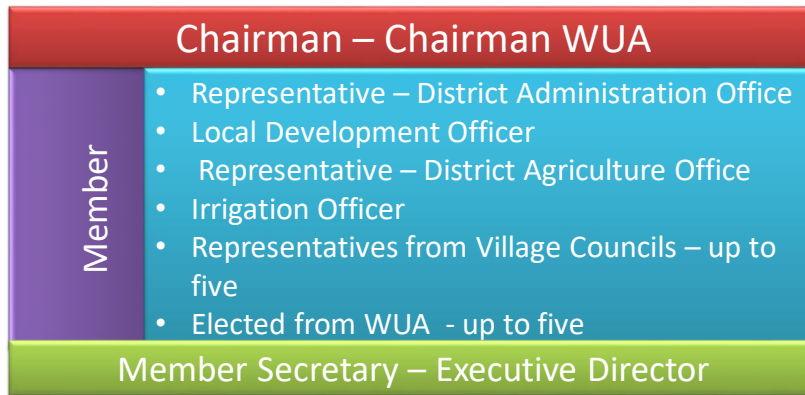
Sustainable Irrigation Management Transfer Development and Agriculture Production Model



Irrigation Development Fund



Constitution of Irrigation Management Board



Constitution of Irrigation Development Fund



Thank you