











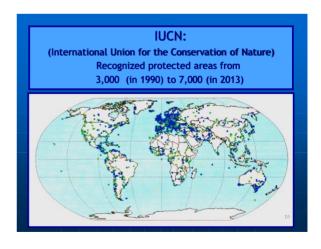






Land Coverage of Rajasthan - Forests < 1.8% - CPR's: Gauchars, Orans, Agors: > 5.6%? - About 92% are remaining institutions which largely includes agriculture land and urban areas.

Majority of Rajasthan's population is dependent on natural resource and biodiversity available in the environment for their survival and livelihood, in particular tribal and traditional communities like farmer, pastoralists, fisherman, hunters and gathers.



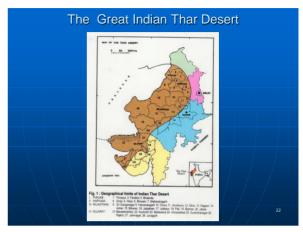
Biodiversi	
Type of Protected Areas	India
National Parks	4
Wildlife Sanctuaries	28
Community Reserves or Conservation Reserves	5



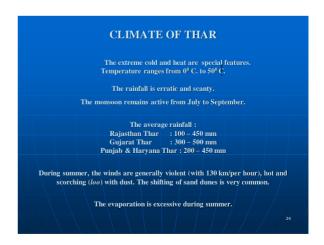






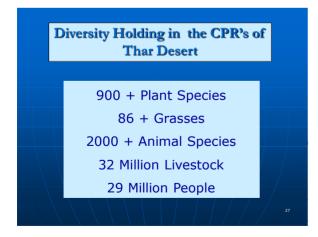


State	Area in sq km	Concerned districts	
GUJARAT	62,180	Entire : Kutch Part ; Banaskantha, Mahesana, Ahmadabad, Surendranagar, Rajkot, Jamnagar & Junagar	
RAJASTHAN	196150	Entire : Ganganagar, Bikaner, Jaisalmer, Barmer, Jodhpur & Churu Part : Nagaur, Ajmer, pali, Jalore, Jhunjhunu Sikar	
HARYANA	11,000	Part : Hissar and Mohindegarh	
PUNJAB	9, 000	Entire : Bhatinda and Ferozpur Part : Sangrur	
TOTAL	278,330		



Ecology of Great Indian Thar Desert 1. State Protected National Parks Wildlife Sanctuaries Reserve Forests 2. Jointly Protected Biosphere Reserve Protected Area 3. Peoples Protected Unprotected Areas Village Institutions







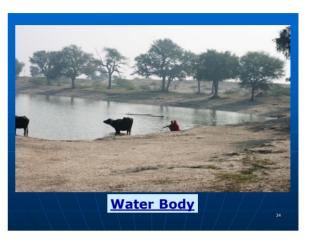
Repository of Water-Food-Fodder-Gum-Resin-Fiber Firewood-Fencing-Thatching-Timber Non-edible Oils-Dyes-Tannin-Herbal Support Meat-Wool-Hair-Skin-Hide-Fur-Horn-Bones-Fat Craft & Cottage Because of Species Richness, Genetic Variation, Diversity Helped Desert Ethos Peoples Science Oral Traditions Survival of People

Village Institutions in Thar (Specialized Ecosystems) 1. Gauchar : Annual Nutrition Banks 2. Oran : Sacred Silvipasture 3. Agriculture : Biomass Generators (including fallow) 4. Sand dunes : Moisture Retainers 5. Gravel Lands : Poor Biomass Zone 6. Wastelands : Low Productivity Zone 7. "Agors" : Water Catchments 8. Water Bodies : Biomass Accelerators 9. Forest Enclosures: Native-Exotic Plants

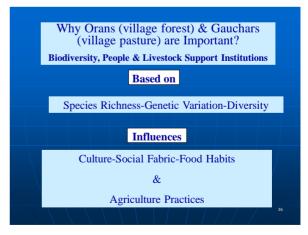




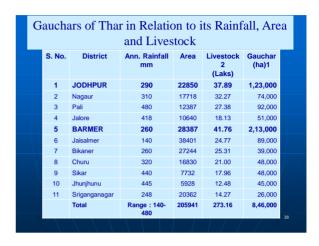


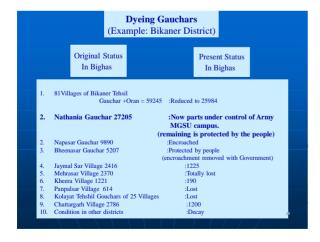






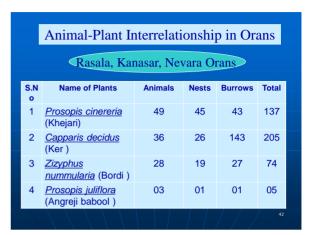
		Ga	uchar Profile
1.	Age of Gauchars	:	98 years to 300 years?
2.	Size	:	Few hundred to 40,000 bighas
3.	Soil profile	:	Poor
4.	Vegetation	:	Open scrub: Herbs,
		shrubs	and grasses, some annuals
5.	Plant species	:	a)Perennial: c 17
			b)Ephemerals <u>c</u> 60
6.	Common Period of use	:	Non-availability of fallow field
		and du	ring drought
7.	Founders	:	Philanthropists, state supported
8.	Purpose	:	Essentially for cattle grazing
9.	Control	:	Village Community
		State-C	Gram Panchayat
10.	Operation	:	People-Society
11.	Upkeep & Maintenance	:	Absent
12.	Present Status	:	Dying
13.	Scope of Intervention	:	Exists

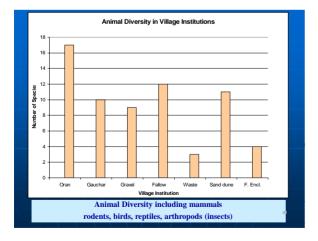








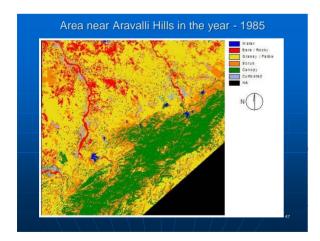


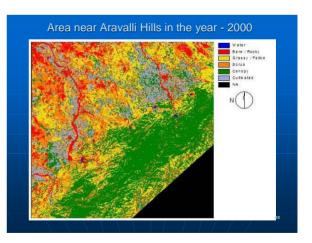


Village Dependence On size, location and Quality of Orans Most Orans: Support 2 and more villages Some Orans: Support 5 + villages Few Orans: Support 30 + villages 2-3 Orans: Support over 100 villages





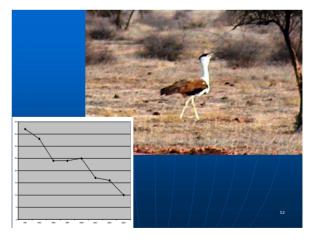


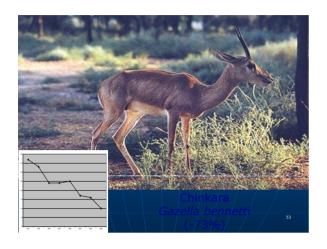








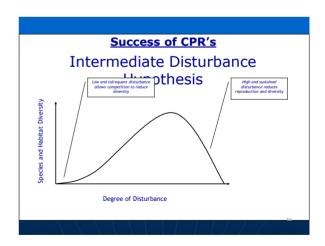


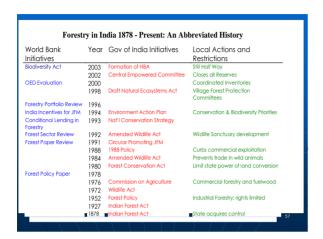




State Mandate for Conservation

- Return the "lost" productivity of the desert "by turning the desert region into a green belt full of vegetation and highly fertile land" (Bhalla, 1992: 284)
- "We need about thirty-million hectares to be planted and made into forests outside the traditional forests" (Maithani, 1986: v)
- In practice: introduction & monoculture









Water

 To improve quality and quantity water upkeep and maintenance of traditional water bodies by using traditional knowledge of local people and appropriate technologies.

Activities with community

- Deepening and de-silting of 'Nadi' and "Talabs".
- Renovation and repairs of traditional water harvesting structures.
- Improvement of catchments by eradicating juliflora to revive the native plant species
- Maintenance of water gradient and cleaning and desisting of water canals/channels

