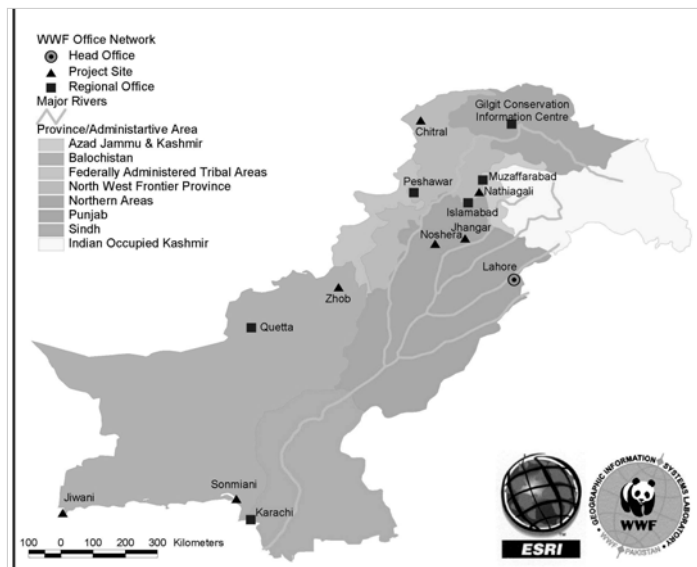


Pakistan- Water Issues, constraints and objectives

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Issues

- Ownership (transboundary and inter-provincial)
- Water scarcity (water availability declined from 5,300 m³ per capita in 1954 to 1,200 m³ per capita at present)
- **Water resource management**
 - Distribution (equitable distribution at inter-provincial and local levels)
 - Allocation for different sectors
 - Poor enforcement of policies/legislation
 - Poor infrastructure management

Issues (contd.)

- Waterlogging & salinity – drainage effluent disposal
- Overexploitation of ground water
- Poor rainwater harvesting
- Decreasing water quality (saline aquifer, municipal/industrial waste)
- Environmental degradation – sea water intrusion
- Overuse – outdated irrigation practices.

Constraints

- Bureaucratic & political hurdles
- Institutional weaknesses
- Centralized management
- Lack of awareness
- Poor policies and legislation – outdate legislation 1873)
- Poor database
- Lack of resources (financial, capacity, technology, R&D)

Constraints (contd.)

- Lack of adoption of innovative technologies.
- Supply-oriented approach
- Lack of integrated approach at national level.
- Water charges not linked to quantity
- No water rights on groundwater
- Lack of financial sustainability for O& M (higher transaction costs)
- Inappropriate Cropping patterns (water intensive crops)

Objectives – vision for future

- **Water for all** - Ensure sustainable management through wise and equitable distribution
- Promote participation through devolved management and public–private partnership
- Promote responsible attitude towards water issues both at on-farm and off-farm levels (innovative practices and technologies)
- Awareness and coordination among the stakeholders
- Recycle & Reuse unless it is no fit for use (safe disposal)