



د اړيکو دفتر • دفتر ارتباط

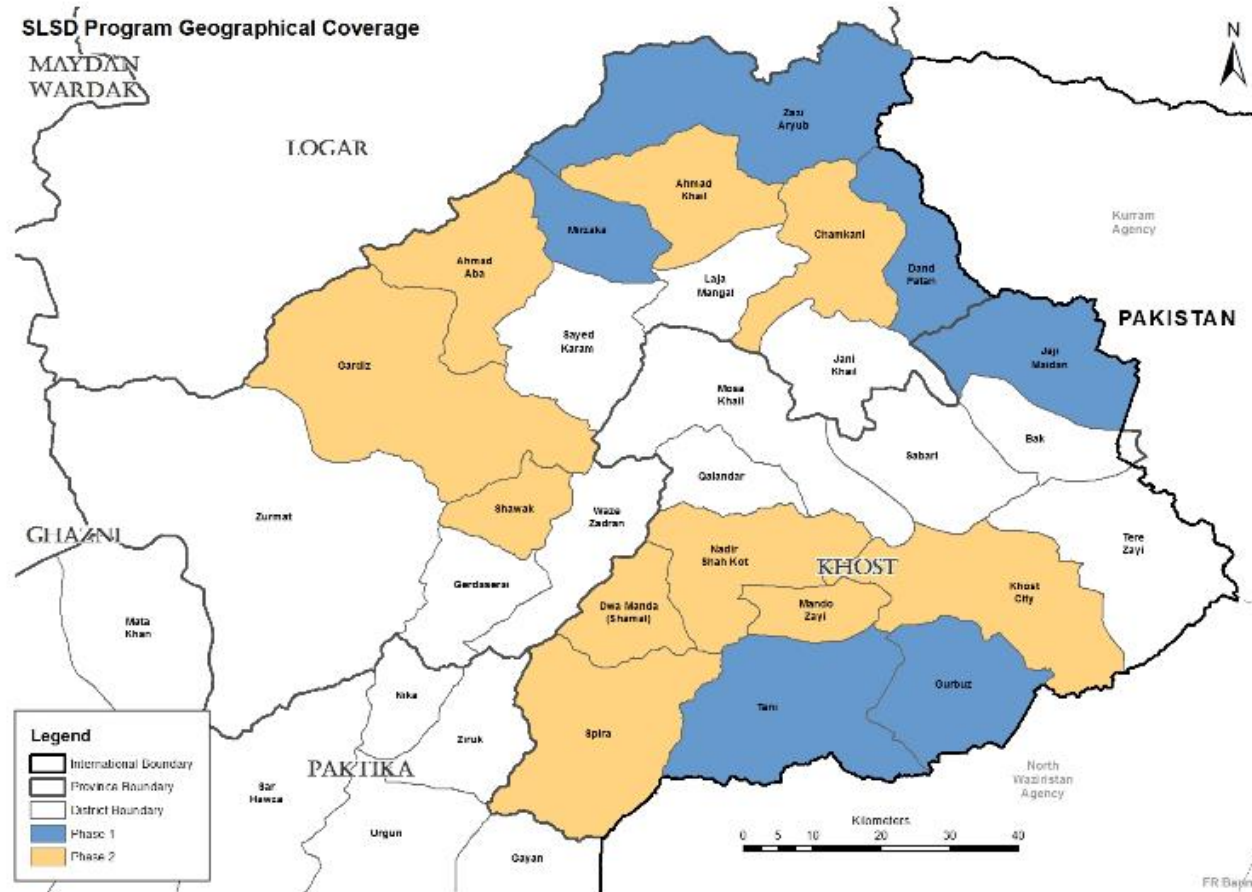
The Liaison Office

Integrating DRR and Climate Change in
Development projects

TLO ENR Department

July 8, 2018

SLSD Geographical Coverage (14 districts & 2 urban centers)



What kind of changes are being observed in your sectors with respect to changing weather conditions?

- Deforestation accelerated in the upstream areas of Paktia and Khost provinces;
- Increased soil erosion, land degradation/deterioration, and flood wash damages;
- Limited access to sufficient irrigation water;
- Traditional irrigation system weakness and water waste is increased (weak water management);
- Insufficient income from farm increased pressure on farmers to switch to other jobs; and
- Increased use of underground water for irrigation purposes resulted in decreased in water table.



What are the perspective of communities and makers on observed and perceived changes ecosystems?

Community Perspective:

- Drought increased, water sources dried up or have very low discharge for irrigation, flood damages increased, and traditional irrigation systems are weakened.
- Decrease in underground water;
- Seasonal climate changed, warm winters, cool spring, less snow and more rain in winter/spring seasons
- Lack of knowledge, information and preparation for the changes in ecosystem.



What are the perspective of communities and policy makers on observed and perceived changes in ecosystems?

Policy Makers Perspective:

- NRM Strategy
- Linking policy development at national level with ground realities
- Need for law enforcement

What actions have been taken by your institution in response to the observed changes?

- Introduction and establishment of high density orchards
- Introduction of vegetables improved varieties as per local market demand
- Low plastic tunnels and small greenhouses for early and off season production
- Development and rehabilitation of irrigation systems
- Awareness raising through Provincial Conferences Against Deforestation in Paktia and Khost provinces
- Watersheds rehabilitation and management (trenches and terraces for trees and forage crops plantation)
- Nurseries establishment (walnut and fruit saplings)
- Access to safe and clean drinking water through pipe schemes equipped with solar system



What are the future plans to address the impact of climate change?

- Watersheds Rehabilitation and Management in Paktia and Khost provinces
- Forest Landscape Restoration for Livelihoods in Paktia and Khost provinces (community based nurseries and forest management with income generation interventions)
- Irrigation systems development and rehabilitation
- Supporting vulnerable families
- High density and new orchards establishment (for small size land holders)
- Rangeland Management in Daykundi
- Conducting a research on root causes of deforestation in Paktia and Khost provinces.
- Community Awareness

How do you assess public awareness in regard to climate change?

- People see the impacts of climate change on agriculture and weather changes, but most of them don't know why it is happening?
- They don't know what and how to do?
- They are asking for help in physical infrastructures improvement and digging wells for irrigation, but they don't know is that the solution?
- Most of them cannot see the bigger picture of climate change?
- Some communities made tribe agreement for not cutting the forest and do not use forests as pasture areas.
- Still many communities continued on cutting the forest, as a single source of their income.
- Many families migrated to cities from the forestry areas for income and access to basic services

Recommendations to Government

- Increase PAIL field NRM staff and interaction with communities regarding climate change and effective Community Based Forest Management
- Strict rules and legal action against people involved in forest cutting, to prevent deforestation;
- Introduce alternative energy sources with reasonable prices for fire wood (heating in winter, daily household consumption)
- Increase reforestation and afforestation besides forest management

Recommendations to TLO

- Focus on community awareness and empowerment;
- Expand community based nurseries and reforestation;
- Increase/expand watersheds rehabilitation and management;
- Identify challenges and problems rural communities are facing and propose viable recommendations to communities and policy makers for effective and sustainable responses.
- Initiate long-term programs and sustainable solutions