



STRENGTHENING AFGHANISTAN INSTITUTIONS CAPACITY FOR THE ASSESSMENT OF AGRICULTURE PRODUCTION AND SCENARIOS DEVELOPMENT

NATIONAL AGRO-ECOLOGICAL ZONES (NAEZ)

NAEZ is a spatial analysis system that provides the assessment of agricultural resources and potential for quantification of land productivity based on the FAO Agro-Ecological Zones methodology.



NAEZ provides production information under different future conditions including climate and resource inputs scenarios relevant to:

- agricultural production and local assessments of land suitability
- trade-offs among crops and between rain-fed and irrigated uses
- risk zoning and hotspot identification (e.g. biophysical threats, climate change)
- crop potential, yield gaps, climate adaptation requirements and options.



NAEZ is based on a geospatial inventory of natural resources

compiled from existing national datasets and recent harmonized and integrated geospatial information. The inventory allows assessments of land and water productivity for location specific agro-ecological conditions now and in the future.



NAEZ enables the harmonization and integration of a variety of geospatial datasets, model scenarios and assessments

Provides standardized framework and database to support analysis of policy options for sustainable management, international conventions and agreements, addressing issues of climate change mitigation and adaptation.



NAEZ produces comprehensive resource accounts for land and water use:

It aggregates the results for major land use/cover patterns by administrative units, major river basins and by land protection status or broad classes reflecting infrastructure availability and market access conditions.



NAEZ final result is a Data Portal which allows:

- free access to data and information
- visualization of data
- various analysis outputs
- download options

