## Land Resources Planning (LRP) Toolbox

to promote sustainable land management and combat land degradation

The rising demands by decision-makers to address the emerging challenges in safeguarding natural resources, enhancing food security and promoting effective and sustainable responses to land degradation, call for more knowledge sharing on tools and approaches available to support integrated land use planning.

The LRP Toolbox is a freely accessible online "global knowledge hub" and provides technical information on tools and approaches to assist stakeholders at different levels to tackle obstacles and facilitate the implementation of viable solutions on the ground.



## Why an LRP Toolbox?

A global "land resources planning" survey revealed a "knowledge gap" by stakeholders operating at different levels and across different sectors in finding tools and approaches that respond to the rising demands.

The LRP Toolbox aims to fill this gap by providing reliable information and tools that support an informed desicion-making process to put in practice sustainable land management and landscape restoration practices.

## The LRP Toolbox addresses the following questions:

- What tools are available;
- What are their capabilities and limitations;
- For which stakeholders, regions and scales are the tools suitable?

# One-stop shop for LRP tools and approaches

Over 110 tools (and growing) are classified under main categories and sub-categories

- a. Biophysical approaches/tools
- Land Evaluation
- Agroecological Zoning and derived tools
- Soil Productivity Indecies
  Software (Applications Lap
- Software/Applications Land Resources Planning
- e. Support tools
- Assessment and mapping tools: Land, soil, crop, water
- Assessment and mapping tools: climate
- Other support tools

Land Resources Planning

**Toolbox** 

- b. Integrated biophysical and socio-economic/ negotiated approaches/tools
- Rural appraisal
- Spatial planning (Urban/Rural)
- Territorial development/ sustainable land

#### d. Databases/ information systems

- Soil database
- Land degradation database
- Climate data bases
- Statistics data bases
- Crop databases

#### c. Socioeconomic/negotiated approaches tools

- Farm systems
- Gender
- Governance/tenure
- Household surveys
- Participatory/negotiated approaches

In order to allow the users to choose the most appropriate tool(s) to match their needs, the tools are further characterized in terms of thematic area reflecting different focus areas, type of tool, scale and applicability, and user category.

#### THEMATIC AREAS

Farming systems Agriculture, statistics Population, distribution Agriculture, productivity Food, statistics Population, statistics Cadaster Forestry, statistics Remote sensing

Climate General Social participatory approaches

Crops, distribution Land degradation Social, statistics

Crops, productivity Land evaluation Soils, distribution and properties Land management/planning Soils, management and conservation Crops, suitability

Economy, statistics Land/water rights Water, productivity Land/cover Water, statistics Environment, statistics

#### TYPE OF TOOL

Data

Documentation/manuals

**Educational materials** 

Framework/guidelines

Maps/GIS

Model

Questionnaire/survey

Software

#### SCALE/APPLICABILITY

Global

Regional

**National** 

Subnational/province/district Watershed/basin/landscape

Locality/farm/site

#### **USER CATEGORY**

Technical specialist

Scientific advisor

Modeler

Policy maker/Planner

**Facilitator** Stakeholder

### How do you find the best tool for your purpose?

Either FREE search OR GUIDED search

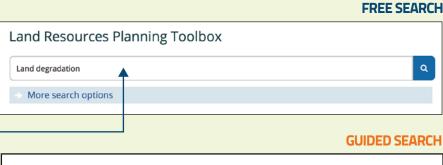
FREE search engine using 'keywords' to

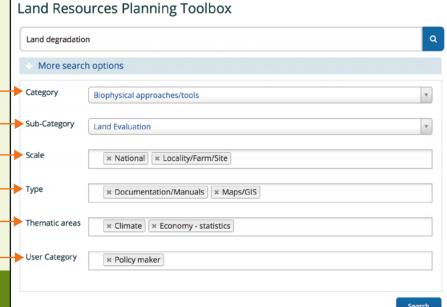
retrieve results of all toolbox content

GUIDED search using the main category, subcategory, tool type, scale, thematic areas and user category.

The filters 'Main category' and 'Sub-category' allow the selection of only one option.

'Scale', 'Type', 'Thematic area' and 'User category' allow multiple selection.





Access the LRP Toolbox

www.fao.org/land-water/land/land-governance/land-resources-planning-toolbox

Also, read the FAO publication on Land resources planning for SLM: www.fao.org/3/a-i5937e.pdf and the factsheet on Land Resources Planning: www.fao.org/3/19922EN/i9922en.pdf - For enquiries, please contact us at LRP-Secretariat@fao.org

