**Land Resources Planning Toolbox**

**Content Entry Form**

**Title of the tool**

|  |
| --- |
|  |

**Introduction to the tool**

*Please provide a short description of the tool covering its main functionalities (max 300 words).*

|  |
| --- |
|  |

**Source**

*Please provide a web link where more information about the tool can be found.*

|  |
| --- |
|  |

**Main category**

*Please indicate to which category the tool belongs (only one choice is possible).*

|  |  |
| --- | --- |
|  | Biophysical approaches/tools[[1]](#footnote-1) |
|  | Integrated biophysical, and socio-economic/negotiated land resources planning approaches/tools[[2]](#footnote-2) |
|  | Socio-economic/ negotiated approaches/ tools[[3]](#footnote-3) |
|  | Databases/Information systems[[4]](#footnote-4) |
|  | Support tools[[5]](#footnote-5) |

*Please choose the sub-category to which the tool belongs (only one choice is possible).*

**Sub-categories of Biophysical approaches/tools**

|  |  |
| --- | --- |
|  | Land evaluation |
|  | Agro-Ecological Zoning and derived tools |
|  | Soil Productivity Indices |
|  | Software/ Applications Land Resources Planning |

**Sub-categories of Integrated biophysical, and socio-economic/negotiated land resources planning approaches/tools**

|  |  |
| --- | --- |
|  | Rural appraisal |
|  | Spatial planning (urban/rural) |
|  | Territorial development/sustainable land management |

**Sub-categories of Socio-economic/ negotiated approaches/ tools**

|  |  |
| --- | --- |
|  | Farms Systems |
|  | Gender |
|  | Governance/Tenure |
|  | Household Surveys |
|  | Participatory/negotiated approaches |

**Sub-categories of Databases/Information systems**

|  |  |
| --- | --- |
|  | Soil Databases |
|  | Land Databases |
|  | Climatic Databases |
|  | Statistics Databases |
|  | Crop Databases |

**Sub-categories of Support tools**

|  |  |
| --- | --- |
|  | Assessment and mapping tools: Land, Soil, Crop, Water |
|  | Assessment and mapping tools: Climate |
|  | Other Support Tools |

**Type of tool**

*The Type of tool classifies the tools according to the nature of the published material that the users can access and use (several choices are possible).*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Crowdsourcing |  | Maps/GIS |
|  | Data |  | Model |
|  | Documentation/Manuals |  | Questionnaire/Survey |
|  | Educational materials |  | Software |
|  | Framework/Guidelines |  |  |

**Thematic areas**

*The thematic areas classify the tools according to their main focus under broad classes. You may choose more than one themes.*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Agriculture- statistics |  | Land evaluation |
|  | Agriculture- productivity |  | Land management/planning  Land/Water rights |
|  | Cadaster |  | Land use/cover |
|  | Climate |  | Population- distribution |
|  | Crops, distribution |  | Population- statistics |
|  | Crops, productivity |  | Remote sensing |
|  | Crops, suitability |  | Social- participatory approaches |
|  | Economy, statistics |  | Social- statistics |
|  | Environment, statistics |  | Soils- distribution and properties |
|  | Farming systems |  | Soils- management and conservation  Topography |
|  | Food, statistics |  | Urban Planning |
|  | Forestry, statistics |  | Water- productivity |
|  | General |  | Water- statistics |
|  | Land degradation |  |  |

*If the tool does not fit under the thematic areas listed above, please indicate another thematic area.*

|  |
| --- |
|  |

**Scale**

*The scale classification shows the different spatial scales under which the tool has been developed and is expected to be most useful and relevant.*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Global |  | Sub-national/Province/District |
|  | Regional |  | Locality/Farm/Site |
|  | National |  | Watershed/Basin/Landscape |

**Applicability**

*The applicability classification shows the different spatial scales under which the tool could potentially be implemented.*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Global |  | Sub-national/Province/District |
|  | Regional |  | Locality/Farm/Site |
|  | National |  | Watershed/Basin/Landscape |

**Relevant for region**

*Please indicate the regions for which the tool is relevant.*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Africa |  | Near East and North Africa |
|  | Asia and the Pacific |  | North America |
|  | Latin America and the Caribbean |  | Global |
|  | Europe and Central Asia |  |  |

**Suitable for User Category**

*The user category defines the target group for which each tool is suitable.*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Technical specialist |  | Policy maker |
|  | Scientific advisor |  | Facilitator |
|  | Modeller |  | Stakeholder |

1. This category of tools gives prominence to biophysical attributes (climate, soil, terrain, water, etc.) and their interactions in the land evaluation process. The output, in most cases, guides the users to suitable options for land use alternatives, based mainly on biophysical attributes. Land suitability and similarity analysis are typical examples. Documents describing principles, approaches and guidelines for land evaluation are included, as well as different tools for classifying soils based on the suitability for a specific use, capability or potential, fertility constraints and management and linkages to yield, productivity, physical and chemical properties. Sophisticated or simplified modelling of crop growth and yield predictions, also fall into this category. [↑](#footnote-ref-1)
2. The tools in this category use as inputs information on both biophysical characteristics and social and economic conditions and generally incorporate principles, approaches and methods of participatory land use planning, with the overall objective of reaching mutually beneficial outcomes for all stakeholders. [↑](#footnote-ref-2)
3. The tools in this category give prominence to the characterization of social and economic settings required for land use planning and includes approaches and methods of participatory decision-making. Biophysical conditions may be considered in these tools, but not in depth. [↑](#footnote-ref-3)
4. This category includes databases that can facilitate land evaluation and land use planning by providing information that may serve as inputs for the process. These databases provide maps and data on soil and terrain characteristics, land degradation, land cover, land use, climatic data including future projections, crops and yields, food, agriculture, water resources, adaptability/suitability of identified plant species for a given environment, and socio-economic data and statistics on poverty, population, tenure and gender. [↑](#footnote-ref-4)
5. This category of tools do not produce results that have direct use for land evaluation and land use planning, but has a supporting role by providing various types of data that can be used in land evaluation studies and as input data sets for land use planning. [↑](#footnote-ref-5)