



# SWISS LAND MANAGEMENT FOUNDATION



**Poverty Reduction and Food Security through Access to Land**

**Food and Fiber Production through Improved Land Use**

**Equal Access to Land for Women**

**Sustainable Land Use and Environmental Protection in Urban / Peri-Urban Areas**

Prepared for a Better Future



## Swiss Land Management...

... is a private foundation aiming at transferring experiences of methodologies and technologies to reach the UN millennium development goals. The foundation acts as a think tank in the land related fields of development and management. SWISS LAND MANAGEMENT is a close cooperation of the Swiss private sector with the Swiss Government.

## Our Mission – Our Goals

### **SUPPORT COOPERATION PROJECTS BY THE JOINT COMPETENCE OF SWISS GOVERNMENT AND PRIVATE SECTOR**

SWISS LAND MANAGEMENT's interdisciplinary team led by experienced program directors and implementing experts consists of specialists from diverse fields. Our approach focuses on practical and methodological aspects as well as on linking the relevant actors while providing technical expertise. SWISS LAND MANAGEMENT's services foster the North-South-East exchange.

SWISS LAND MANAGEMENT is convinced that development is at the base of building human and organizational capacity in order to establish local ownership of suitable processes and technologies. Sustainable land management is an essential contribution to

**GOOD GOVERNANCE** and **CONFLICT PREVENTION**.

## Land... a Precious Resource for All

### **ACCESS TO LAND – STABILITY – ECONOMIC DEVELOPMENT**

Sustainable economic and social development is the result of stability in land issues. This includes reliable land administration, transparent land management, and a legal framework, which allows equal access to land for the local population. Particular attention is needed for rural communities and women.

- Make land accessible to feed the people.
- Access to land to prevent land degradation and over-exploitation.
- Secure land in its economic and legal terms for local development.

## Flexible Solutions from Policies to Tools

### **LAND USE POLICY – VALUATION – LAND DEVELOPMENT/IMPROVEMENT**

The reduction of poverty within a society has to be based on a common land use policy. Only a public process starting with valuation leads to optimized land development. Secure investments in land improvement have to rely on a clear policy, which defines the fair share of the given resources. The successful use of land is a combined arrangement of land evaluation, land improvement and land development according to a clearly defined and sustainable policy.

- Land use policy based on valuation of potential.
- Secure investments in land improvement based on accepted land use policy.
- Increased agricultural efficiency through land improvement and consolidation.

- PARTICIPATORY PLANNING AND DECISION MAKING PROCESSES
- EASY AND OPEN POSITIONING BY PERMANENT GPS NETWORKS
- AIRBORNE/SATELLITE IMAGERY FOR IDENTIFICATION
- FAST APPROACH REGISTRATION FOR DOCUMENTATION
- MONITORING
- MID-TERM REVIEWS AND EVALUATIONS



- PUBLIC PRIVATE PARTNERSHIP AND PRIVATE SECTOR INVOLVEMENT
- GEOINFORMATION SYSTEMS (GIS) AND WEB SOLUTIONS
- SPATIAL DATA INFRASTRUCTURE (SDI)
- PROFESSIONAL DEVELOPMENT AND ON-THE-JOB TRAINING
- KNOWLEDGE MANAGEMENT



## SPATIAL ENTITIES – URBAN PLANNING – DATA ACQUISITION

To counterbalance the phenomena of depopulation, urban sprawl and peri-urbanization land-use planning legislation is needed. Sustainable land management (SLM) has to rely on the identification of functional spatial entities. As a pre-condition for identifying agricultural, industrial or residential zones as spatial entities, easy data acquisition in land information systems (LIS) is an asset.

- Sustainable development is grounded in land improvement and legal certainty.
- Spatial planning acts have to be based on updated spatial data.
- Transparent land taxation relies on updated land data.
- Easy and fast forward data acquisition guarantees updated base maps.

## LAND ADMINISTRATION POLICY – SPATIAL DATA INFRASTRUCTURE – LAND REFORM – EASY APPROACH REGISTRATION

Every planning action is ultimately based on land property information. Simple access of relevant property information is key for the development of a land market within a community. Land registration and administration may not be an end in itself, but it has to support the development process. A land reform process requires a well accepted land register in order to achieve long term sustainability. Tools for the fast forward registration of land titles, holdings or tenant relations have to be provided. Land administration procedures will allow societies to develop a secured land market and to protect investments.

- Accepted land register through actuality, transparency and easy approach.
- Clear registration situation in advance of land reforms.
- Land administration to enable and develop secure land markets.

## SPATIAL DATA INFRASTRUCTURE – DECISION SUPPORT – RISK MANAGEMENT – HAZARD PREVENTION

Climate change is an additional challenge for land management. Disaster management has to be prepared long before a hazard occurs. Wise and adapted land use can do much in respect to hazard prevention. The land use policy follows a comprehensive process, which does not only cover the aspect of economics but also the aspects of environmental compatibility and risk management. To properly evaluate these aspects the influence of topography and land cover must be taken into account. Modern spatial data infrastructure allows a straightforward approach for effective hazard prevention through clear land zoning and land use policy development.

- Land use policy takes equally into account the economical, environmental, and risk aspects.
- Risk identification such as flood forecasting based on up-to-date remote sensing and earthquake information about the topography and land cover as well as permanent monitoring and change detection.
- Hazard zoning requires data evaluation and a spatial data infrastructure.

## SWISS LAND MANAGEMENT COMPETENCES

- LAND MANAGEMENT
- POLICY DEVELOPMENT URBAN-  
RURAL INTERRELATIONS
- REAL ESTATE AND LAND  
ADMINISTRATION
- LEGAL FRAMEWORK FOR SPATIAL  
DEVELOPMENT
- EDUCATION INITIATIVES FOR  
LAND SERVICES



### LAND USE POLICY – LAND ACCESS AND RIGHTS – AGRICULTURAL PRODUCTION – FOOD SECURITY – POVERTY REDUCTION

Reliable land management and land administration are important pre-conditions to enable sustainable agricultural production in favor of the local population. Sustainable land management is therefore one of the core elements in achieving food security and poverty reduction.

- Land access and property rights will protect local initiatives and investments for land improvement (e.g. rural infrastructure and irrigation).
- Good rural infrastructure and safe land access will stimulate and enable farmers to produce sufficient crops.
- Reliable services will allow farmers to protect and manage their harvest and to have access to local markets. This is key for food security, income generation and thus a contribution to poverty reduction.
- Sustainable land management will enable rural communities to fight land grabbing.

### SUSTAINABLE COOPERATION – TRAINING AND EDUCATION

Long term success of projects depends on skilled and motivated staff. The motivation comes from sound education and positive professional perspectives. Cooperation projects therefore need a clear vision of staffing, professional development and training.

- Education on vocational and university level will prevent brain drain.
- No education without practical training – training on-the-job.
- Stable staff situations create successful projects

Foster the Private Sector – Reducing Poverty

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