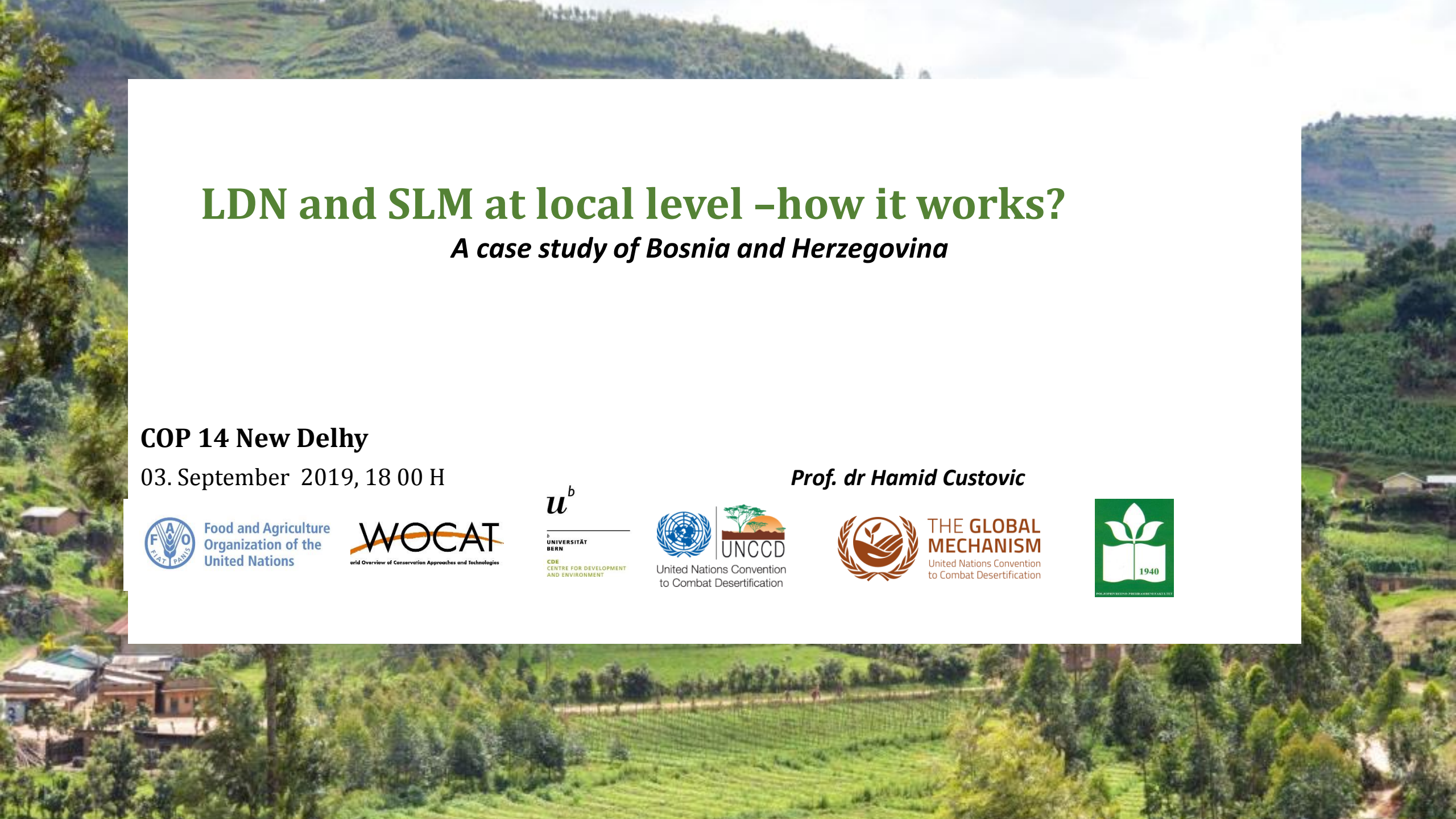


LDN and SLM at local level –how it works?

A case study of Bosnia and Herzegovina

COP 14 New Delhy

03. September 2019, 18 00 H

Prof. dr Hamid Custovic

Food and Agriculture Organization of the United Nations

WOCAT

World Overview of Conservation Approaches and Technologies

UNIVERSITÄT BERN

CDE CENTRE FOR DEVELOPMENT AND ENVIRONMENT

UNCCD

United Nations Convention to Combat Desertification

THE GLOBAL MECHANISM

United Nations Convention to Combat Desertification

1940

LDN process

LDN WORKING GROUP

ANALYSIS OF INDICATORS

IDENTIFICATION OF HOTSPOTS

IDENTIFICATION OF TARGETS AND MEASURES

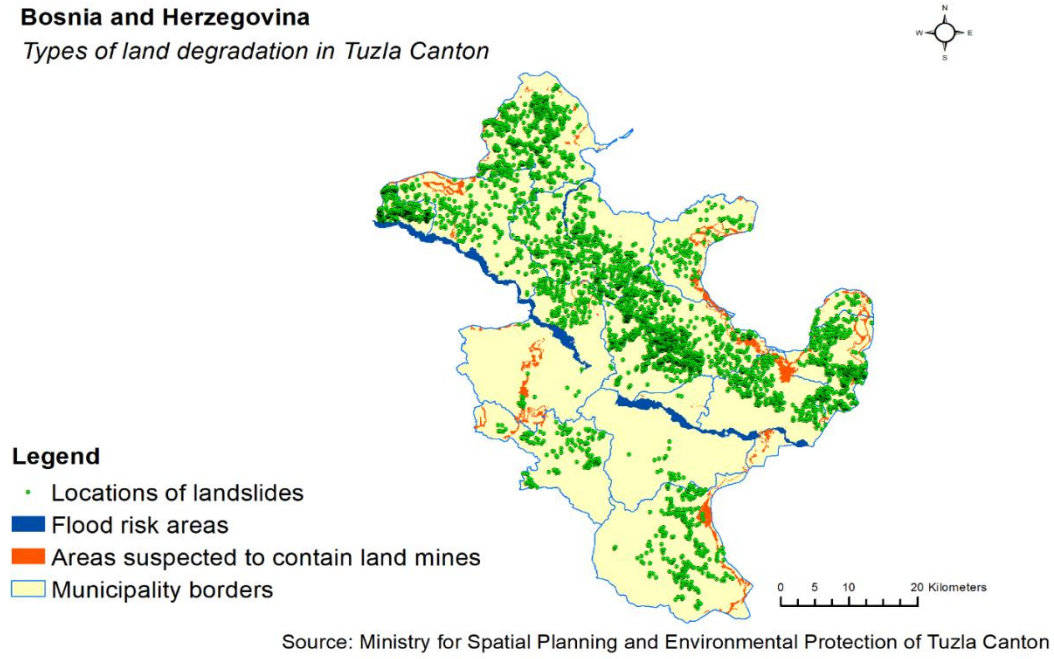
DISSEMINATION

IMPLEMENTATION

BOSNIA AND HERZEGOVINA - STATE LEVEL

FEDERATION OF B&H – ENTITY LEVEL

CANTONAL LEVEL



Source: Ministry for Spatial Planning and Environmental Protection of Tuzla Canton

LDN targets - Achieving LDN to 2030

1. Improve land quality and protection and restore degraded land functions in specific ecosystems or minimize adverse environmental impacts

1.1. Land management in support of environmental protection and spatial planning system

1.2. Establish a basis for harmonious and spatially balanced socio-economic development, with a focus on marginalized and degraded areas

A total of 17 measures were identified and two transformative projects.

LDN and SLM

FAO/GEF full-size project on “Decision Support for Mainstreaming and Scaling up of Sustainable Land Management” (GCP/GLO/337/GFF)

as facilitator in LDN / SLM process

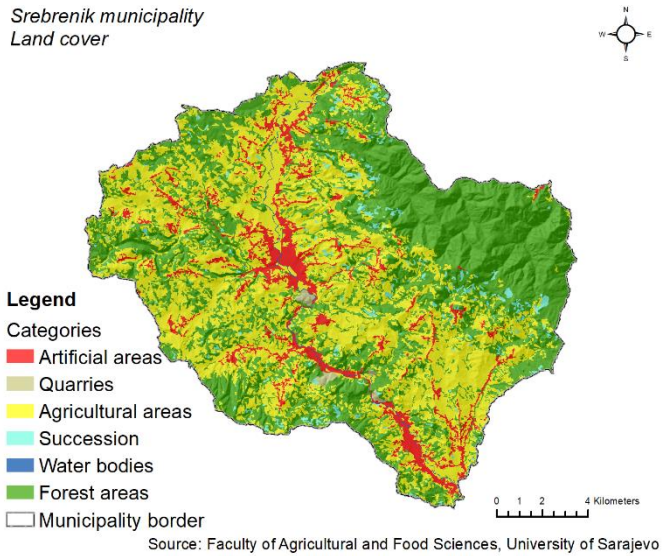
LDN and SLM

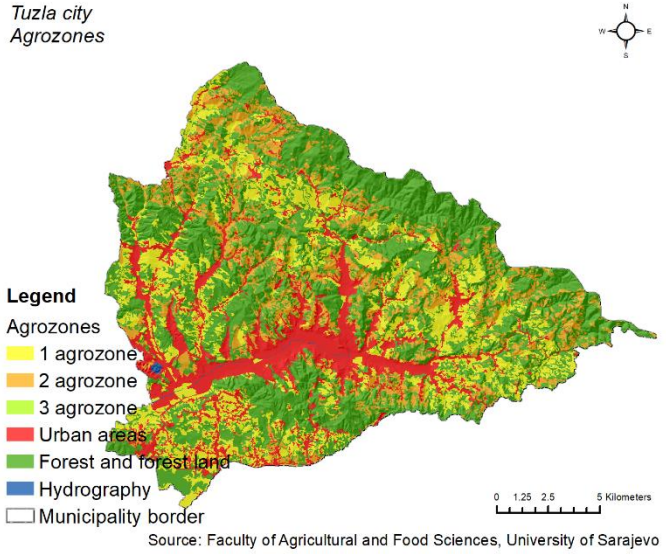
LDN WORKING GROUP continue work in SLM implementation - crucial

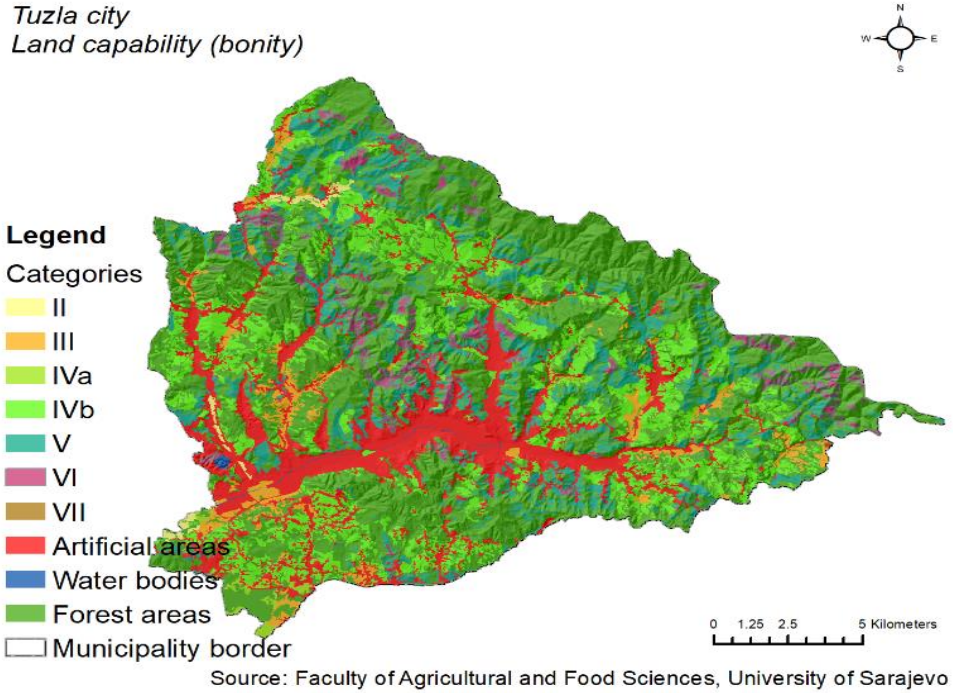
- IDENTIFICATION OF PRIORITY AREAS FOR INTERVENTONS IN INDIVIDUAL MUNICIPALITIES
- IDENTIFICATION OF SLM
- PREPARATION OF MAINSTREAMING STRATEGY
- IMPLEMENTATION OF SLM
- CAPACITY BUILDING

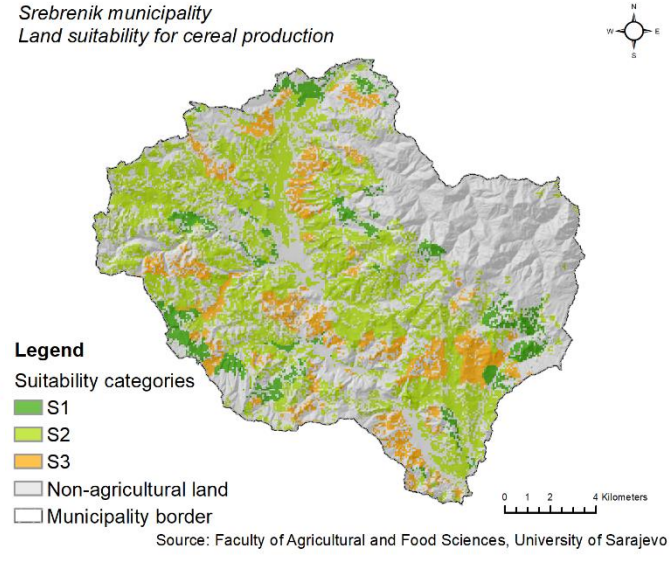
LAND capability study as a basis for planning at local level

By using defined soil bonity categories, land capability study defines the natural potential of soils in terms of agricultural production and food production, and defines the zones for various land use types.









Mainstreaming strategy

LDN TARGETS AND SUBTARGETS

SELECTION OF LDN MEASURES SUITABLE FOR CANTON

SLM

DS-SLM mainstreaming strategies should:

- Establish a pathway for integrating SLM into national and decentralized policy, planning and finance related decision-making processes that can facilitate SLM implementation and scaling out.

- Establish activities for mainstreaming SLM in coordination with key institutions and stakeholders.

- Provide long-term support for the implementation of SLM.

Mainstreaming strategy (LDN – SLM)

LDN WG SELECTED LDN TARGETS AND MEASURES SUITABLE FOR TUZLA CANTON:

Target 1. Improve land quality and protection and restore degraded land functions in specific ecosystems or minimize adverse environmental impacts

Sub target 1.1. Land management in support of environmental protection and spatial planning system

MEASURES :

- ✓ **Remediation of degraded land**
- ✓ **Full scale approach in land erosion protection**
- ✓ **Water supply for agriculture and population supporting the function of sustainable development in hilly-mountainous areas**
- ✓ **Construction of flood protection infrastructural facilities**
- ✓ **Development of land capability study (soil bonity)**

SLM TECHNOLOGIES SELECTED

1) Cultivation of blueberries on infertile/degraded soils using plant pots

2) Addressing shallow landslides by using wooden pole structures

3) Contour ploughing

4) Fish bone for erosion protection

5) Agro-forestry as an approach in sustainable land management

6) Land consolidation

7) Construction of water reservoirs

8) Construction of irrigation systems

9) Flood protection, rehabilitation and regulation of river basins and tributaries

10) Vegetated buffer strips

Mainstreaming strategy (LDN – SLM)

In Eur

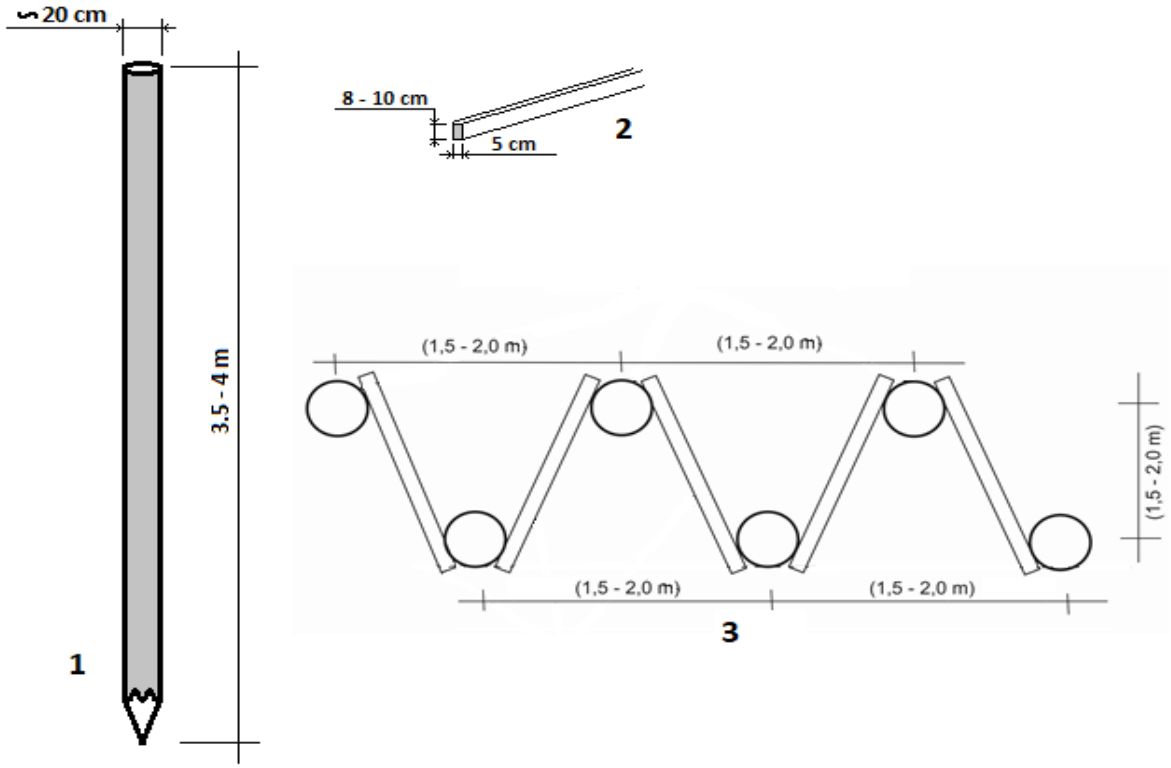
Godina	Investicija	Prihodi	Troškovi	Dobit[1]
0	51.787,85			
1		0	18.929,59	-18.929,59
2		0	18.929,59	-18.929,59
3		36.810	18.929,59	17.880,41
4		61.350	18.929,59	42.420,41
5		61.350	18.929,59	42.420,41
6		61.350	18.929,59	42.420,41
7		61.350	18.929,59	42.420,41
8		61.350	30.990,32	30.359,68
9		61.350	18.929,59	42.420,41
10		61.350	18.929,59	42.420,41
11		61.350	18.929,59	42.420,41
12		61.350	18.929,59	42.420,41
13		61.350	18.929,59	42.420,41
14		61.350	18.929,59	42.420,41
15		61.350	18.929,59	42.420,41
IRR[2] (Interna stopa povrata investicije)				

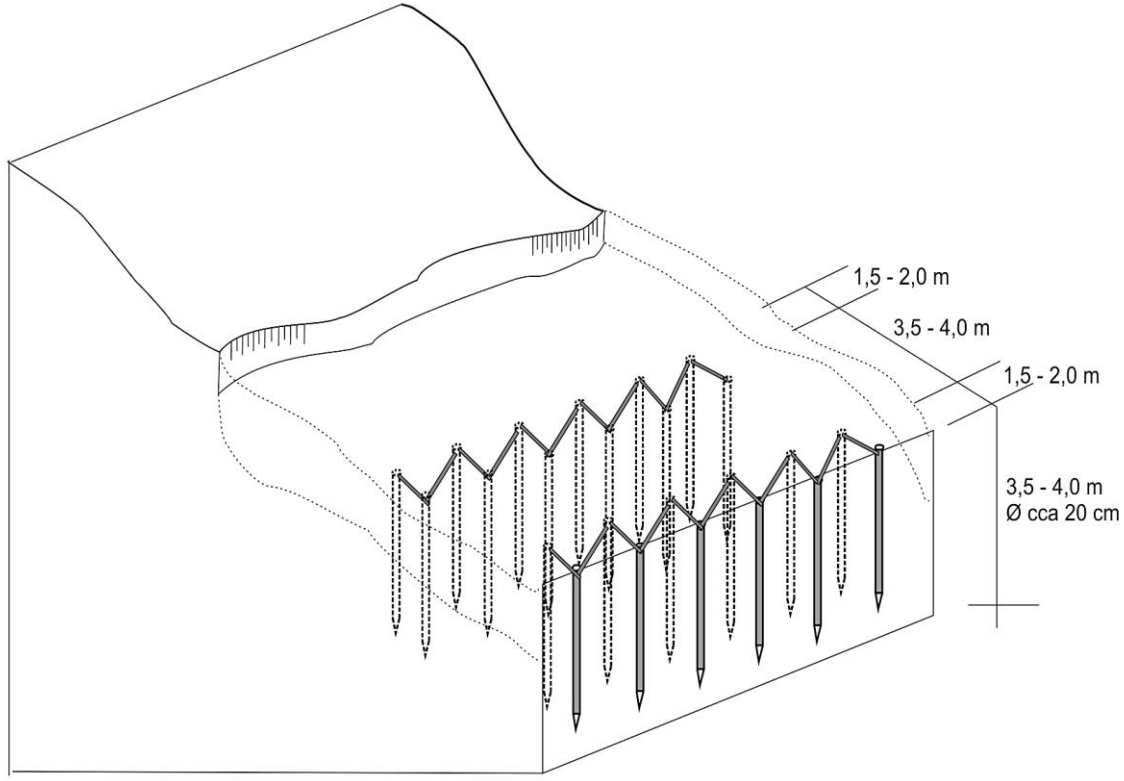
Cultivation of blueberries on infertile/degraded soils using plant pots

Mainstreaming strategy (LDN – SLM)

Addressing shallow landslides by using wooden pole structures

Mainstreaming strategy (LDN – SLM)

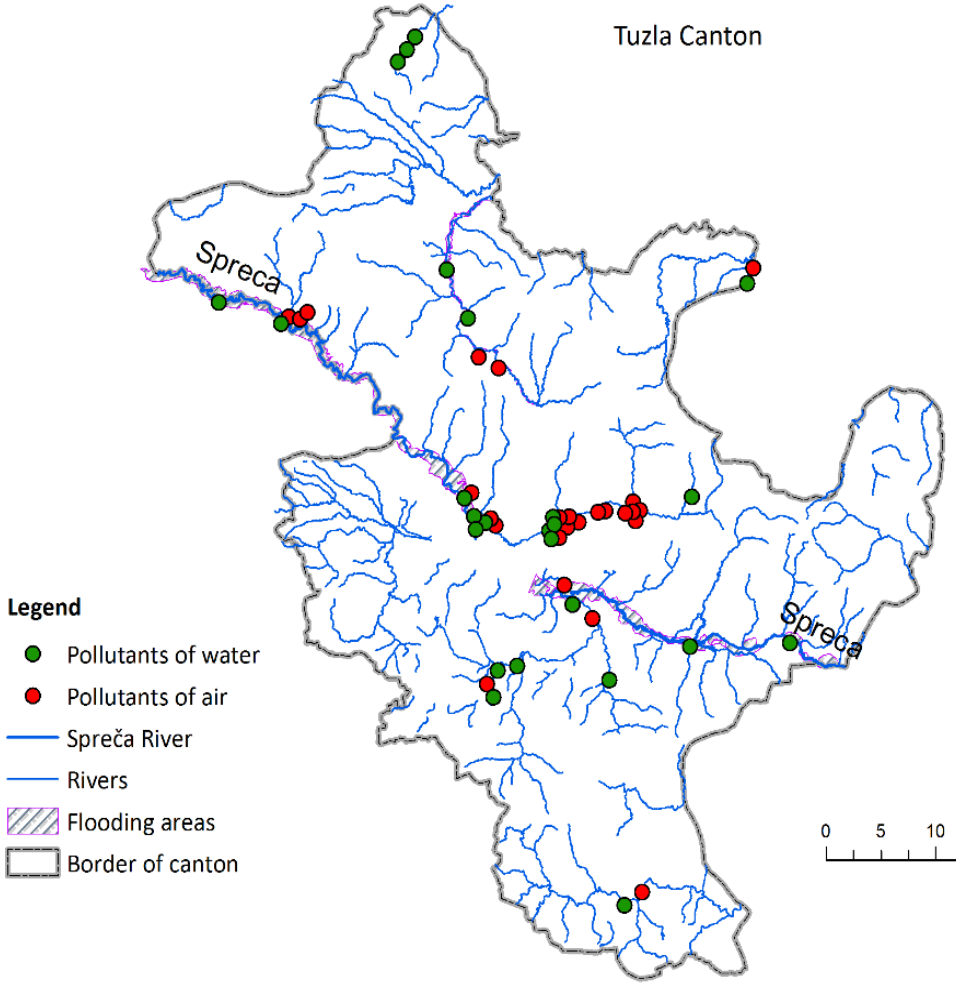




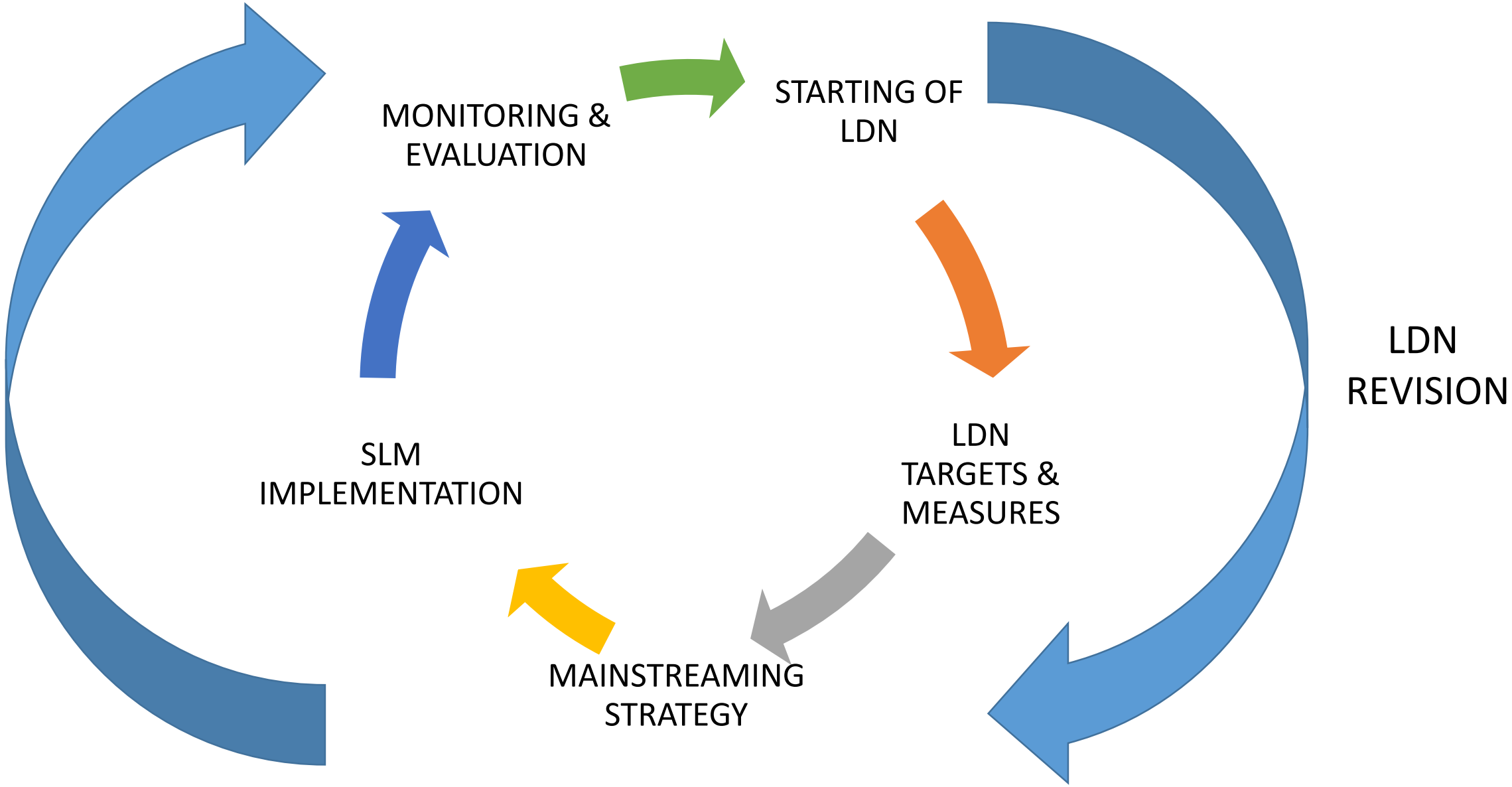
Addressing shallow landslides by using wooden pole structures

(LDN – SLM) – Transformative project

Influence of the industry on the presence of pollutants on agricultural land of the Tuzla region (pilot area of the Spreča valley)



LDN – SLM


STARTING OF LDN
LDN TARGETS & MEASURES
MAINSTREAMING STRATEGY
SLM IMPLEMENTATION
MONITORING & EVALUATION
LDN REVISION

Thank you!