

Stakeholder discussion during a field visit in Kareli Municipality (Daniel Zollner)

## Land Degradation Neutrality Transformative Projects and Programmes (LDN-TPP) for sustainable agriculture and rural development (

LDN-TPP in Georgia

In the framework of the project 'Generating Economic and Environmental Benefits from Sustainable Land Management for Vulnerable Rural Communities of Georgia', Land Degradation Neutrality Transformative Projects and Programmes (LDN-TPP) were developed to implement the LDN targets at municipal level.

The approach defines the process to break down global and international LDN targets and to translate these into local contributions from the municipalities of Gori, Kareli, Kvareli and Sagarejo.

The three-year project 'Generating Economic and Environmental Benefits from Sustainable Land Management for Vulnerable Rural Communities of Georgia' funded by the Global Environment Facility (GEF), is implemented by the United Nations Environment Programme (UNEP) and executed by the Regional Environmental Centre for the Caucasus (RECC). The initiator and beneficiary of the project is the Ministry of Environmental Protection and Agriculture of Georgia. Within this framework, Land Degradation Neutrality Transformative Projects and Programmes (LDN-TPP) were developed to implement the LDN targets at municipal level.

The project aims to create an enabling environment at the community level to achieve the country's goal of Gender Responsive Land Degradation Neutrality (LDN). The project supports local farmers to apply sustainable land management and climate-smart agricultural practices to promote food security and resilience in order to reduce the impacts of erosion, salinisation and soil fertility reduction in Sagarejo, Kvareli, Gori and Kareli on 20,000 ha of pilot land. As a result, it is expected that there will be an improved understanding of the economics of land degradation and integrated land use planning at national and sub-national levels. In the preceding approach recorded under WOCAT, namely 'Integrated Land Use Plans (ILUPs) for sustainable agriculture and rural development with special emphasis on SLM, CSA and LDN in four municipalities [Georgia]', ILUPs were developed for four municipalities providing a detailed spatial basis. A separate study (Ballesteros et al. 2020) compiled baseline information about LDN indicators.

This approach complements the ILUP. It combines the spatial information elaborated for land use planning, the LDN baseline information with national LDN targets, UNCCD principles for LDN and municipal stakeholder priorities to come up with a concrete plan for the municipal contribution to (inter)national targets. Thus, this approach serves to operationalise the national LDN targets at municipal level. At the time of documentation of this apporach, planning was completed and the participatory process for validation and decision-making for concrete targets had been initiated.

Taking this into account, a targeted programme was designed, which breaks down national targets into municipal targets with related activities and spatially explicit priority areas for



: Gori, Kareli, Kvareli and Sagarejo, Shida Kartlii and Kakheti,

- 44 09054 41 97283
- 45.32193, 41.72196
- 43.88196, 42.02463

• 45.79584, 41.94752 : 2019 implementation. This approach serves to operationalise LDN-related recommendations and proposed actions as presented and defined in the Integrated Land Use Plan. It seeks to define the contribution of the municipalities Gori, Kareli, Kvareli and Sagarejo to the achievement of national and global LDN targets.

The output is intended to serve as a starting point for local discussion (especially with the LDN Working Group) to further specify and prioritise the objectives and measures proposed. It provides a solid basis for discussing (a) concrete measures and (b) the areas best suited for these measures. The approach is documented in a consolidated document on how the municipality can contribute to the national LDN goals, based on the specific situation and potentials of the municipality.

The LDN TPP focuses on specific objectives and actions in the area of the municipality and its various functional land units in a pro-active, forward-looking and visionary manner as a contribution to the nationally set LDN objectives and the overall LDN vision. It presents possible and recommended development pathways and focuses predominantly on LDN implementation options through the application and adoption of various SLM and CSA practices.



National voluntary LDN targets for Georgia (own figure)

The approach seeks to define the local contribution of the municipalities Gori, Kareli, Kvareli and Sagarejo to the achievement of national and global LDN targets whilst meeting local needs and priorities

- / / : There is a recognised need to improve land use planning and to counter land degradation as
  agricultural production is declining
- : The establishment of Municipal LDN Working groups allows for a concrete discussion of LDN with adequate municipal participation. It also allows for including local knowledge in the planning process
- / : REC has a very strong presence and links to the municipalities through previous and ongoing projects.
- : Well-supported through municipal involvement.
- ( ): Municipal LDN group as municipal sounding board was a big plus.
- SLM : There are several successful previous projects already providing a good set of measures and creating awareness amongst land users for SLM
- : Even though funding is provided through the project, the resources available at the municipality are very limited.
- : Currently, municipalities have very limited capacities for land use planning.
- / : This was very challenging due to COVID-19 restrictions. Fewer meetings were held than foreseen delaying the process of discussion of municipal targets and activities.
- ( ): For the strategic planning, land tenure was only a minor topic. However, in general, when it comes to the specific location of measures, land tenure will be amongst the key issues.

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/	Various farmers	Visits to the fields with the local farmers, discussions about the type of cultivation
	Tbilisi State University	Contribution of expert knowledge during meetings to interpret findings in a municipal context; provision of relevant scientific data;
	REC Caucasus	Supervisors, consultants, GIS analyses, participation in the LDN Working Group Meeting
	Executive Office of the Gori Municipal Council I Mayor's City Hall (formerly Municipal Administration"Gamgeoba"), Municipality of Gori I Mayor's City Hall (formerly Municipal Administration"Gamgeoba"), Municipality of Kareli I Mayor's City Hall (formerly Municipal Administration"Gamgeoba"), Municipality of Kvareli I Mayor's City Hall (formerly Municipal Administration"Gamgeoba"), Municipality of Sagarejo	Participation in the LDN Working Group Meeting
( )	Agricultural and Rural Development Agency (ARDA) Ministry of Environmental Protection and Agriculture of Georgia (MEPA)	Participation in the LDN Working Group Meeting

 Local land users were consulted to gain experience and insight into the situation of agriculture in the different areas. The interviews were then incorporated in the preparation of the maps and land use plans. Stakeholder priorities formulated during the meetings were the basis for the setting of the municipal targets. Due to COVID 19 the related participatory process to validate the proposed targets, activities and locations has only started recently. Thus, finally the classification would rather refer to "interactive planning".

M&E will be provided in a later stage once the decisions are made regarding the final activities and priorities

SLM

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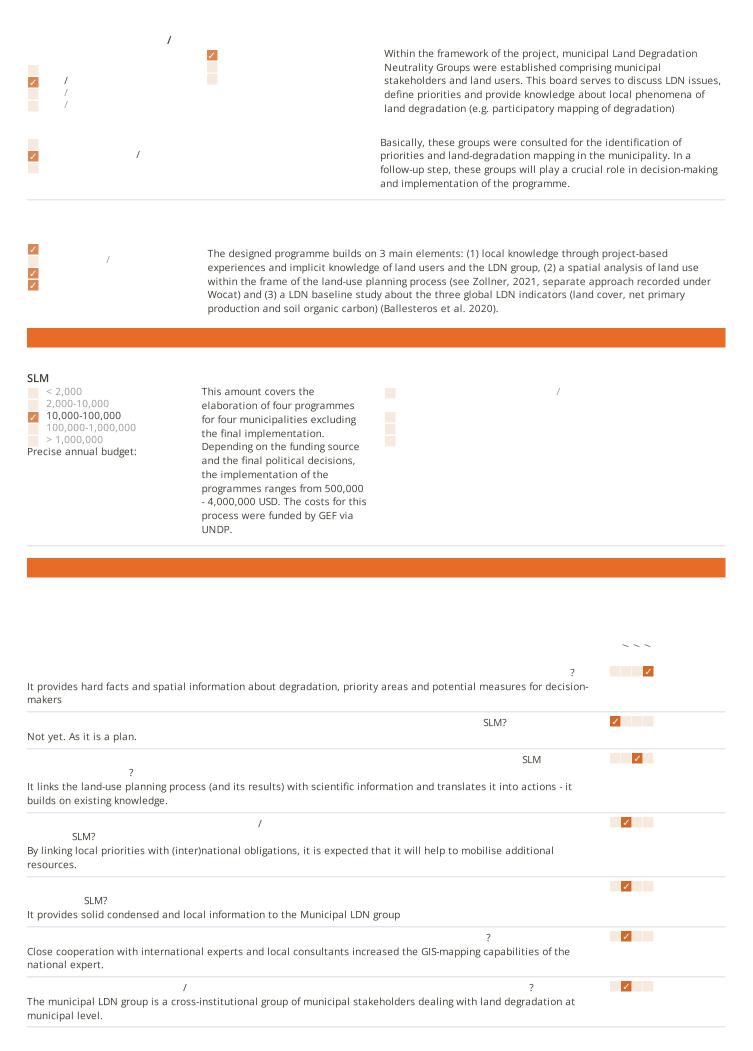
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This is expected to happen as together with land use planning it identifies priorities, challenges and needs.

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Not yet, as these groups have not yet been involved - but will be involved (particularly land-users) who are the final beneficiaries of the measures.

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It was not a major consideration. Work was only with the Municipal LDN group (which included women).

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It was not a major consideration. Work was only with the Municipal LDN group

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SLM?

It addresses and highlights some of the pressing issues.

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Not yet, but if implemented, it will make a major contribution.

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Not yet, but if implemented, it will make a major contribution.

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Not yet, but if implemented, it will make a significant contribution as water security, sustainable irrigation, and protection of water resources are key topics.

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Not a priority.

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Not yet, but if implemented, this is supposed to be one of the major contributions of the programme.

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Not yet, but it seeks to enhance and secure incomes of farmers in the muncipality and outlines alternative income opportunities

SLM

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The programme seeks agricultural transformation and a change in agricultural practice both reducing land degradation and increasing land productivity

• Allows for a discussion based on maps displaying degradation challenges. This makes it easier to concretly agree on measures and priorities

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Local capacities are rather low and require external funding Increased capacity building of the Muncipal LDN Group as key resource

Combination of stakeholder priorities, local conditions, scientific baseline information and spatially very clear maps

- Linking different plans and strategies with (inter)national obligations and targets at local level. This is a good basis for attracting funding and targeted interventions
- Comprehensive, intersectoral and local approach connecting climate change, agricultural development, ecological and social aspects

- Due to COVID 19 a more participatory discussion of targets and exact location and scope of measures is still required (but planned) The planning process can be extended to enable the participatory process
- Without a capable local lead, it will be challenging With REC which has been involved for a long time in the region, capable support and exact knowledge of local capacities is available.

Editors

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https://qcat.wocat.net/km/wocat/approaches/view/approaches\_5902/

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Technologies: Community Land Use Planning in Arkhiloskalo https://qcat.wocat.net/km/wocat/technologies/view/technologies\_5762/ Technologies: Remote Sensing as a Tool for Land Degradation Neutrality Monitoring https://qcat.wocat.net/km/wocat/technologies/view/technologies\_5488/

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