RESTORING GALLERY FOREST AND GRASSLANDS IN THE IORI RIVER VALLEY, GEORGIA
THE UNIQUENESS OF THE IORI RIVER VALLEY

• Culture: Traditional transhumant system of pasturing

THE UNIQUENESS OF THE IORI RIVER VALLEY

• Mosaic of steppes and semi-deserts with drought-resistance tree species (e.g. Pistacia mutica), shrubs and grasses

• Unique floodplain (tugai) forest

→ High rate of Biodiversity with threatened and rare species
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SAMPLING DESIGN METHODOLOGY

Legend

Management unit and intervention
- Arid light forest and Badlands - Grazing restriction
- Fragmented pasture - Rotational grazing
- Plain pasture and former arable land - Melioration, seeding, fodder production
- Riverine forest - Restricting grazing by supplying water for livestock
- Nature reserve

Sampling plots (400x400m)
- Plots with intervention
- Control arid light forest
- Control fragmented pasture
- Control plain pasture
- Control riverine forest

Unsupervised classification of SAVI
Landsat 26. April 2018
- Waterbody
- Bare soil and rocks
- Scattered and degraded vegetation
- Intermediately productive
- Highly productive/riparian forest
- Arable land

0 0.5 1 2 Kilometers
SURROUNDING STAKEHOLDERS

IMPLEMENTATION AND DISCUSSION

Land Owner: Teimuraz Javakhishvili
Contact Information: Gia Ninjasvi
Number of Sheep: 3,000
Area: 1,200 ha (based on)
Winter Pasture: November - May
Summer Pasture: Samtskhe-Javakheti
Needs: Water and Electricity
Additional feed

Land Owner: Murad Toradze
(Private Owned)
Contact Information: Jeihun Tel: 593343794
Number of Sheep: 1,300
Area: 300ha
Winter Pasture: November - May
Needs: Water
Lease for the pasture 25,000 GEL per year
Additional feed
**GENERAL APPROACH**

**INTRODUCTION**

**POTENTIAL INTERVENTIONS IN PASTURE MANAGEMENT**

A. Establishment of Stakeholders Council

B. Implementation of a pasture rotation system

C. Temporary restriction of grazing where it is needed

D. Incentivizing locals by knowledge and equipment;

E. Incentivizing locals by developing added value products
Thanks for your attention....