



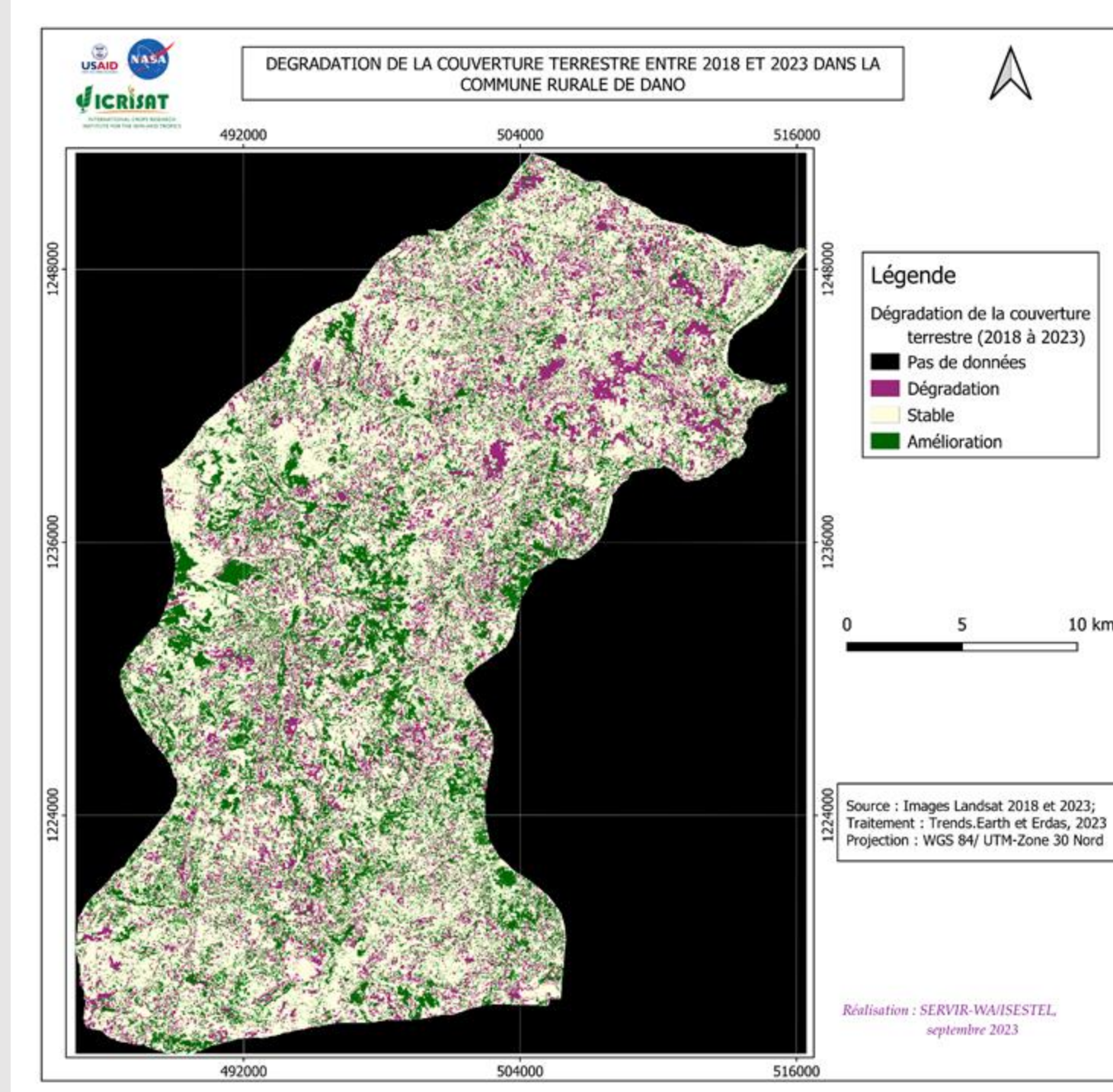
# REFORESTATION AND LAND MANAGEMENT TO IMPROVE THE LAND DEGRADATION NEUTRALITY (LDN)



Analysing from Trends. Earth the Parameters of the LDN to measure the Land cover (physical cover), Land productivity and the Land carbon stocks; local authorities and communities are engaged in reforestation and land conservation and restoration techniques development



Using satellite image, field observation and image processing to describe and measure the land state

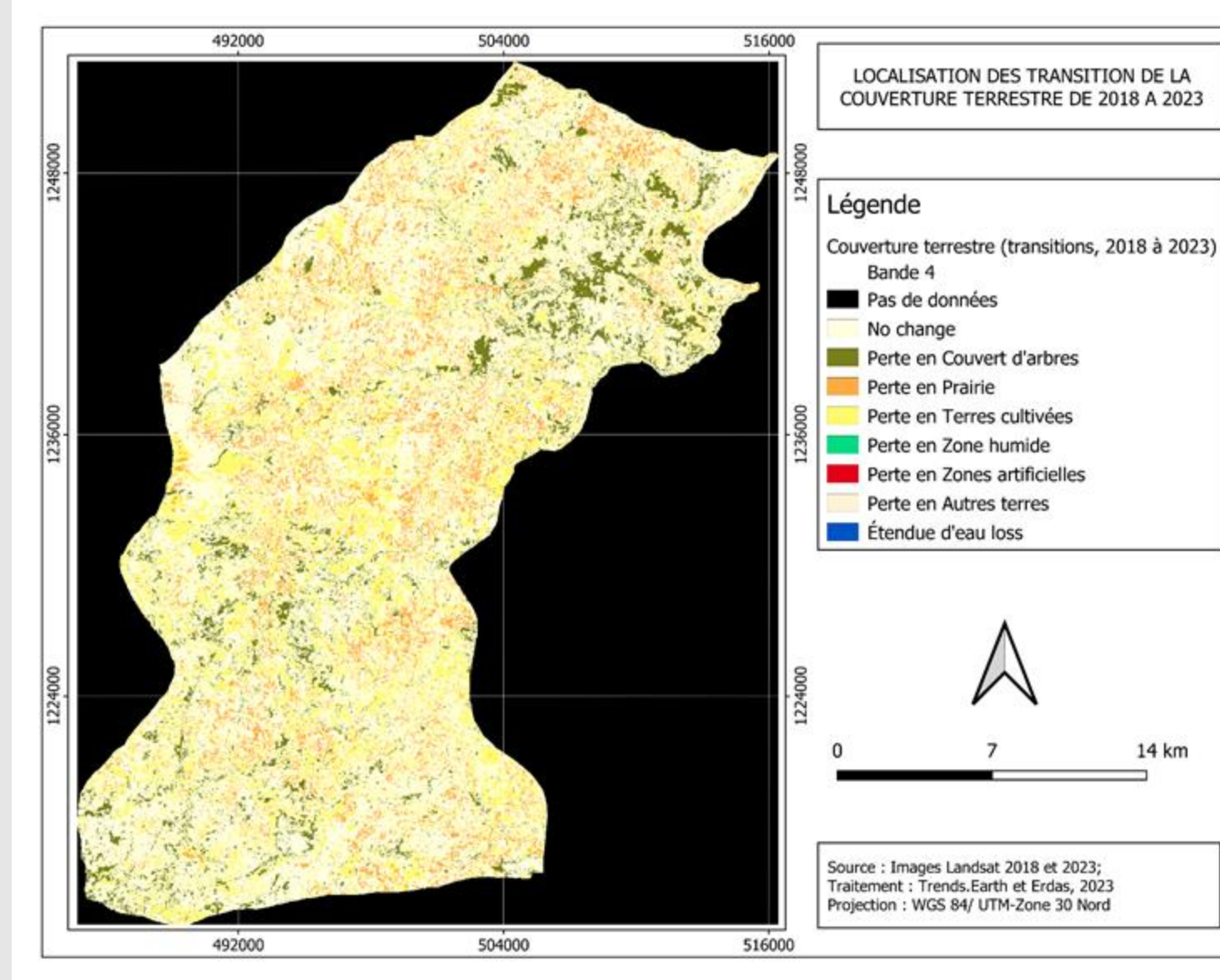


**Outcomes & Impacts:**

- LDN parameters current level
- Local community mobilization
- Success of LDN activities

DEGRADATION	Area (sq km)	Percent of total land area
Total land	651.8	100.00%
Improved land:	307.96	47.25%
Stable land:	158.11	24.26%
Degraded Land:	185.14	28.41%
No data:	0.54	0.08%

## LDN Parameters statistics



PRODUCTIVITY	Area (km <sup>2</sup> )	Proportion (%)
Total area	651.8	100.00%
Improved productivity	313.19	48.05%
Stable productivity	284.00	43.57%
Decreased productivity	54.14	8.31%
No data	0.43	0.07%



Respectively, local authority, communities and youth are engaged in reforestation

CARBON STATE	Aea (km <sup>2</sup> )	Proportion (%)
Total area	651.8	100.00%
Improved soil carbon stock	0.46	0.07%
Stable soil carbon stock	595.58	91.38%
Decreased soil carbon stock	55.42	8.50%
No data	0.30	0.05%



Village communities, including women associations, restore the degraded land, develop best land practices, soils and water conservation techniques to restore the land fertility, humidity, and stop the runoff

**Partners & Collaborators**

- ISESTEL, SERVIR-WA, SP/CNDD, DGADI, RPBHC, Communes Barsalogo,, Bobo2, Bobo5, Dano, Leo, Ouarkoye, Péni, Yamba

CARBON STOCK	tCO <sub>2</sub> eq	GgCO <sub>2</sub> eq
<b>Emission</b>	1596117.324	1596.117324
<b>Absorption</b>	-1310549.925	-1310.549925
<b>Balance</b>	285567.399	285.567399

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