

HOLISTIC MANAGEMENT: ADAPTATION TO CLIMATE CHANGE IN SAHEL



ENVIRONMENT

- 300-400 mm/year (3 months)
- 9 months without rains
- Overgrazing: bare soils and desertification



ENVIRONMENT

- Heavy rains
- Flash Floods

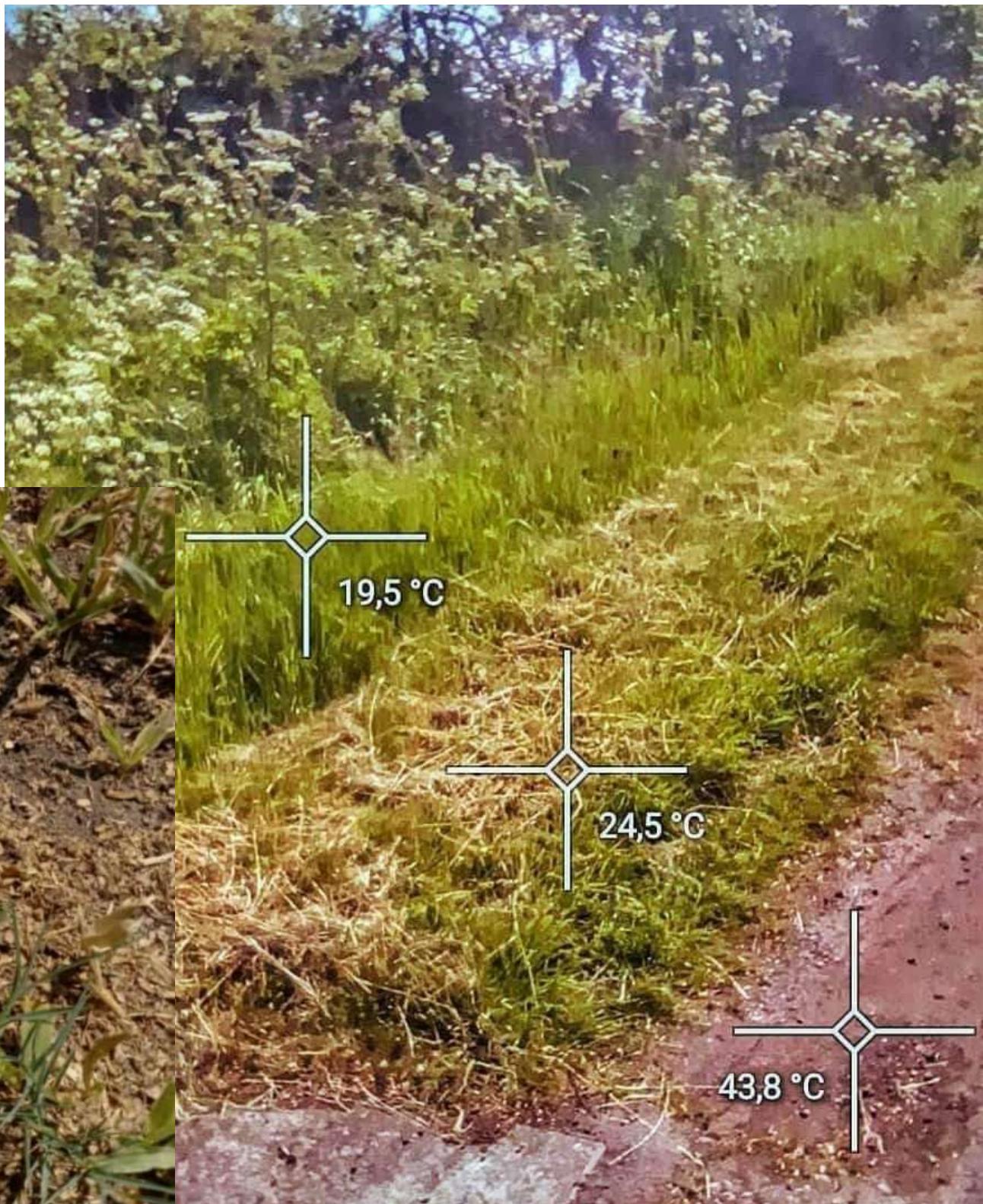


ENVIRONMENT

- Loss of fertility
- Soil erosion



High soil temperature

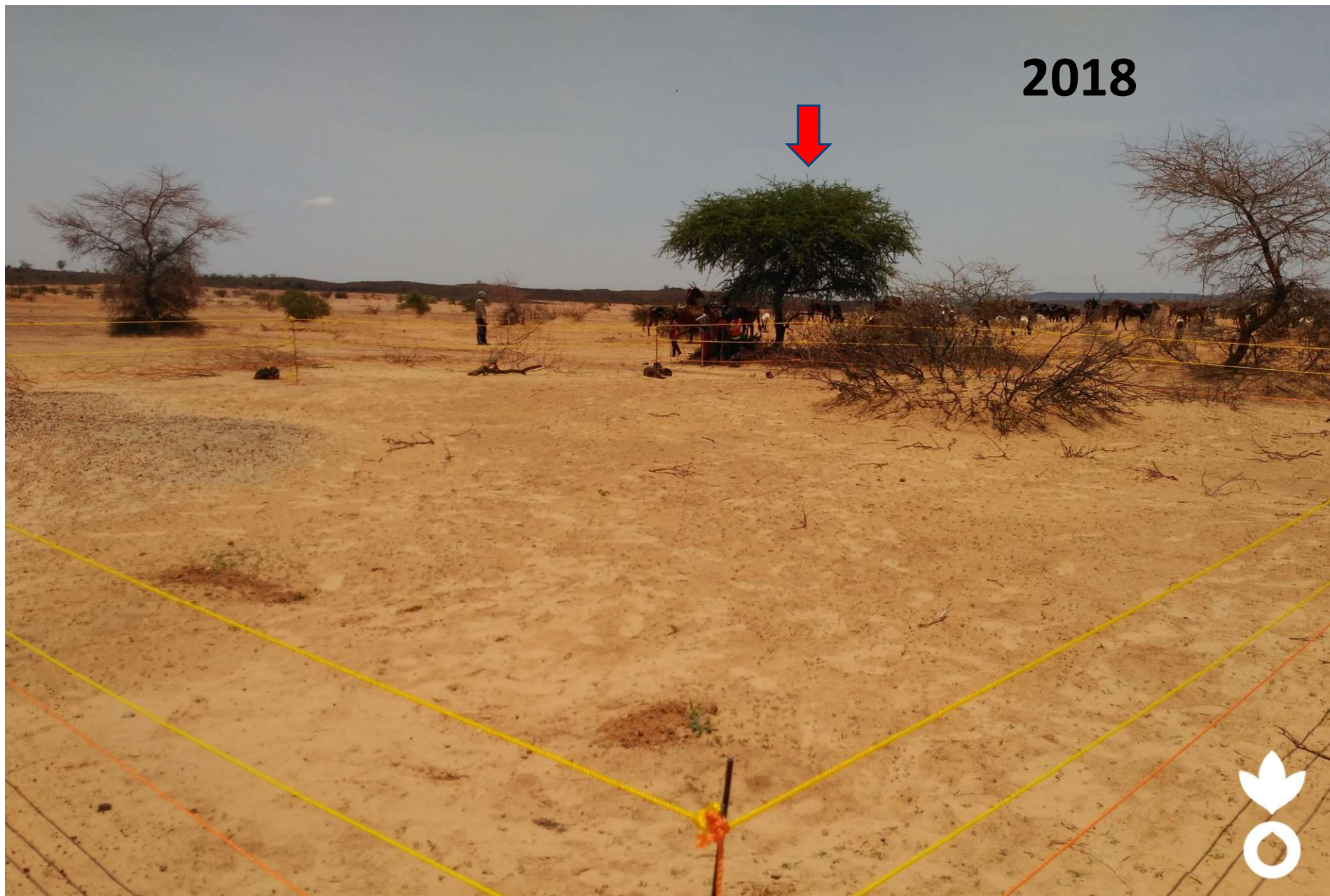


HOLISTIC MANAGEMENT

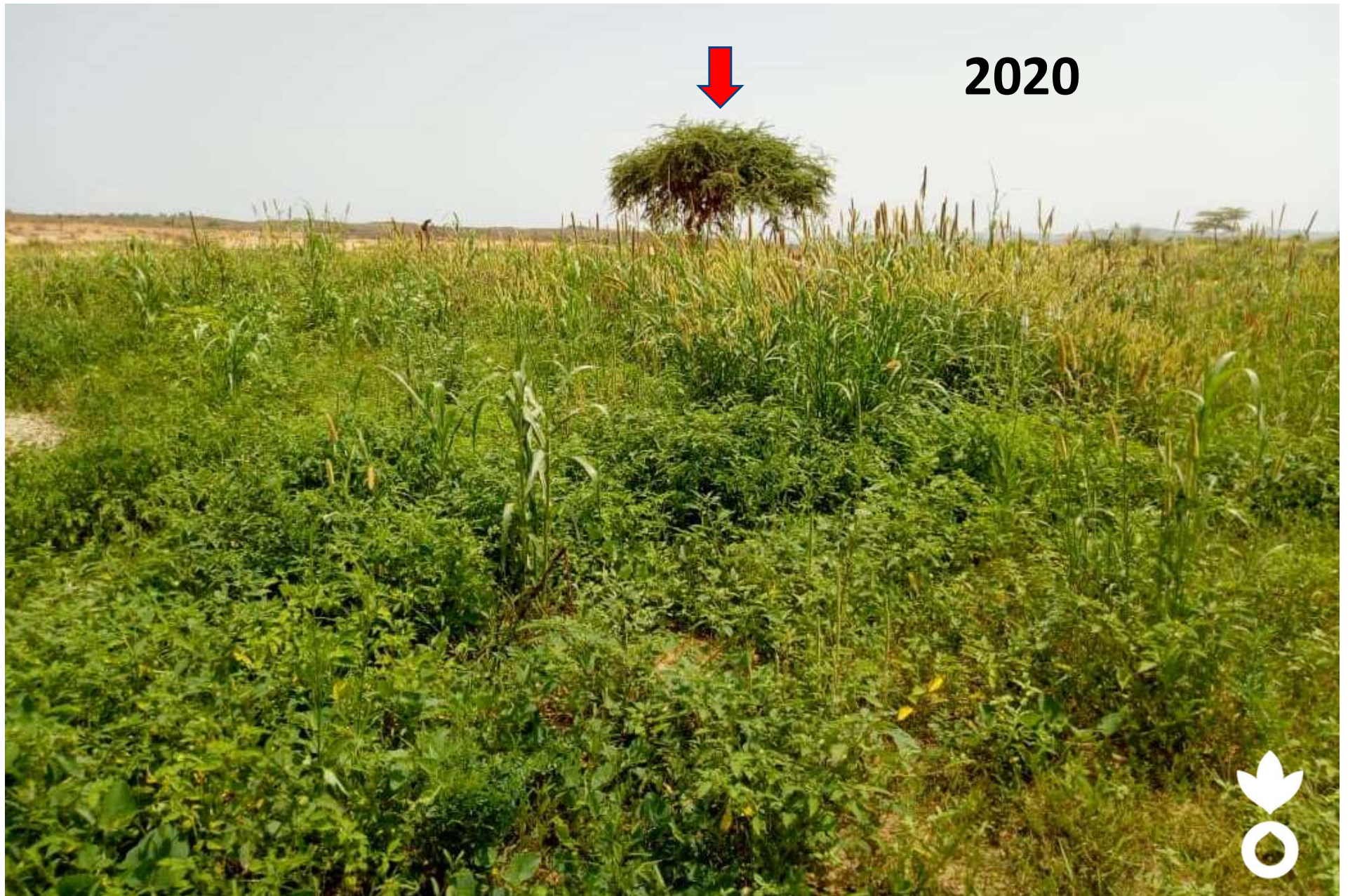
MIMICKING NATURE

- Grazing
- Trampling
- Dung and urine
- Rest and recovery

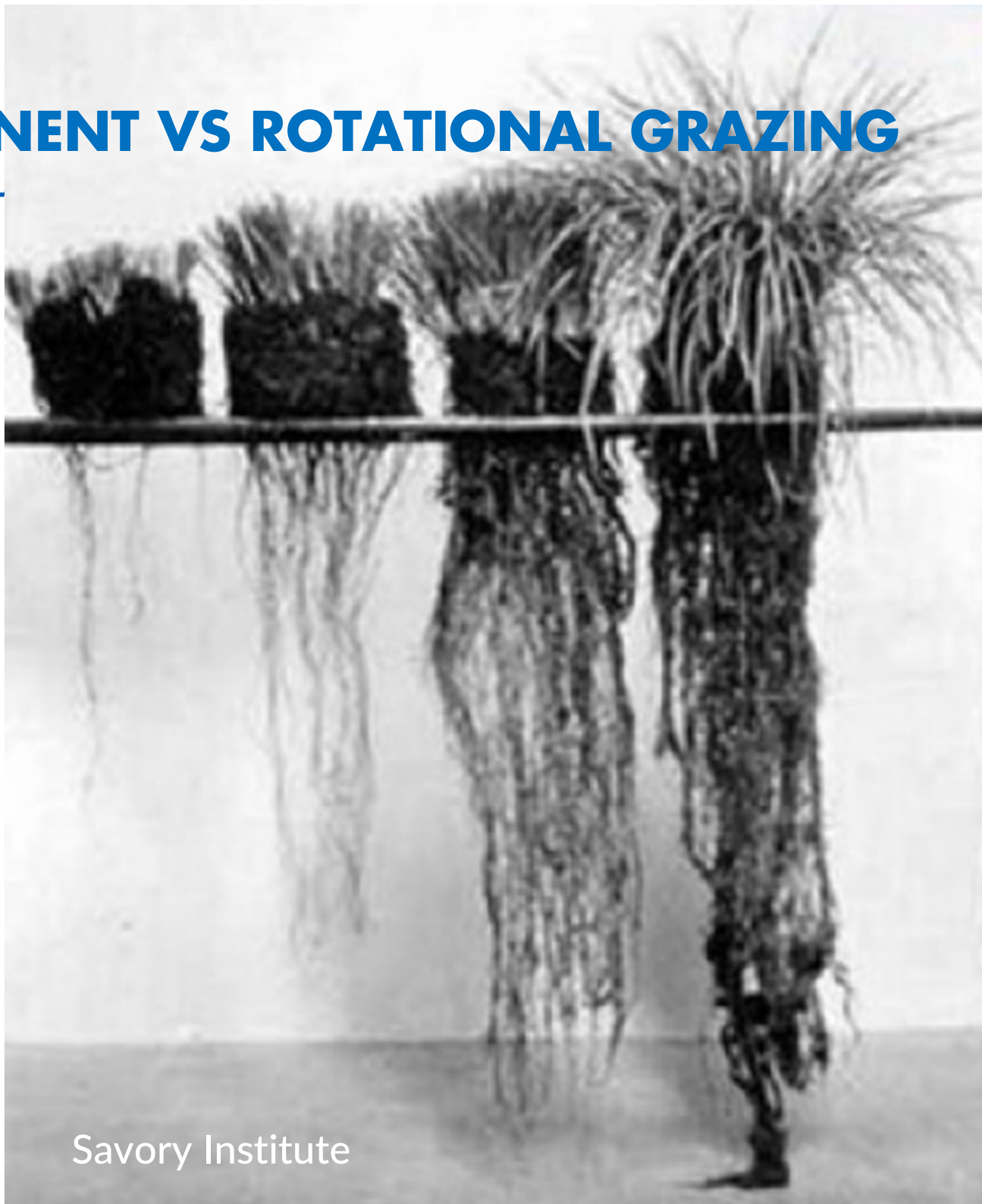
OUTCOMES IN NIGER



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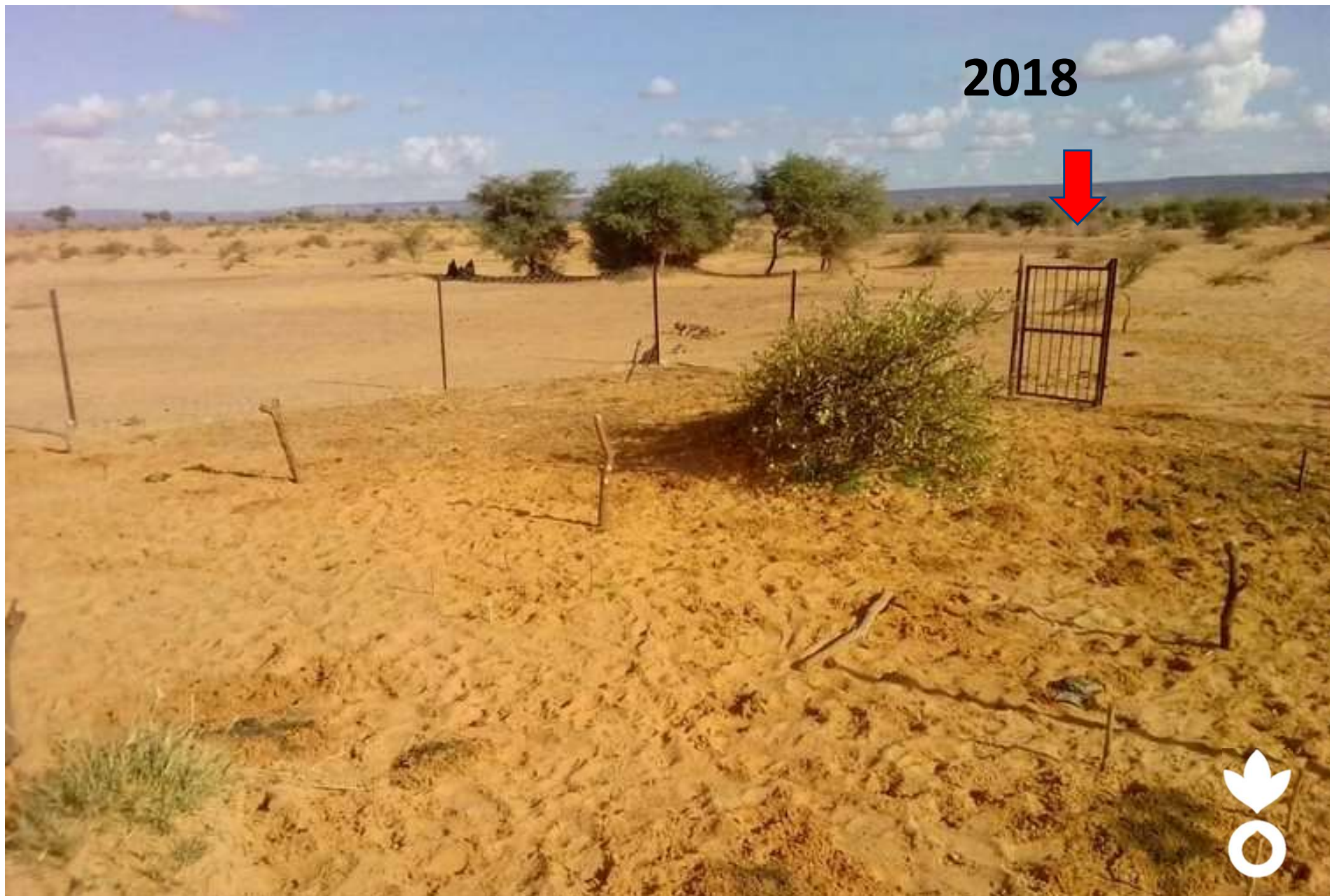
PERMANENT VS ROTATIONAL GRAZING



Savory Institute



OUTCOMES IN NIGER



OUTCOMES IN NIGER



2020



OUTCOMES IN NIGER



2019



OUTCOMES IN NIGER

2020



OUTCOMES IN NIGER

Feb 2023



CHALLENGES (SOCIAL ASPECTS)



1. GATHERING ANIMALS FROM DIFFERENT HERDERS
2. ENSURING ENOUGH RESTING TIME
3. INCORPORATION OF TRASHUMANT HERDERS



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