

DEDES

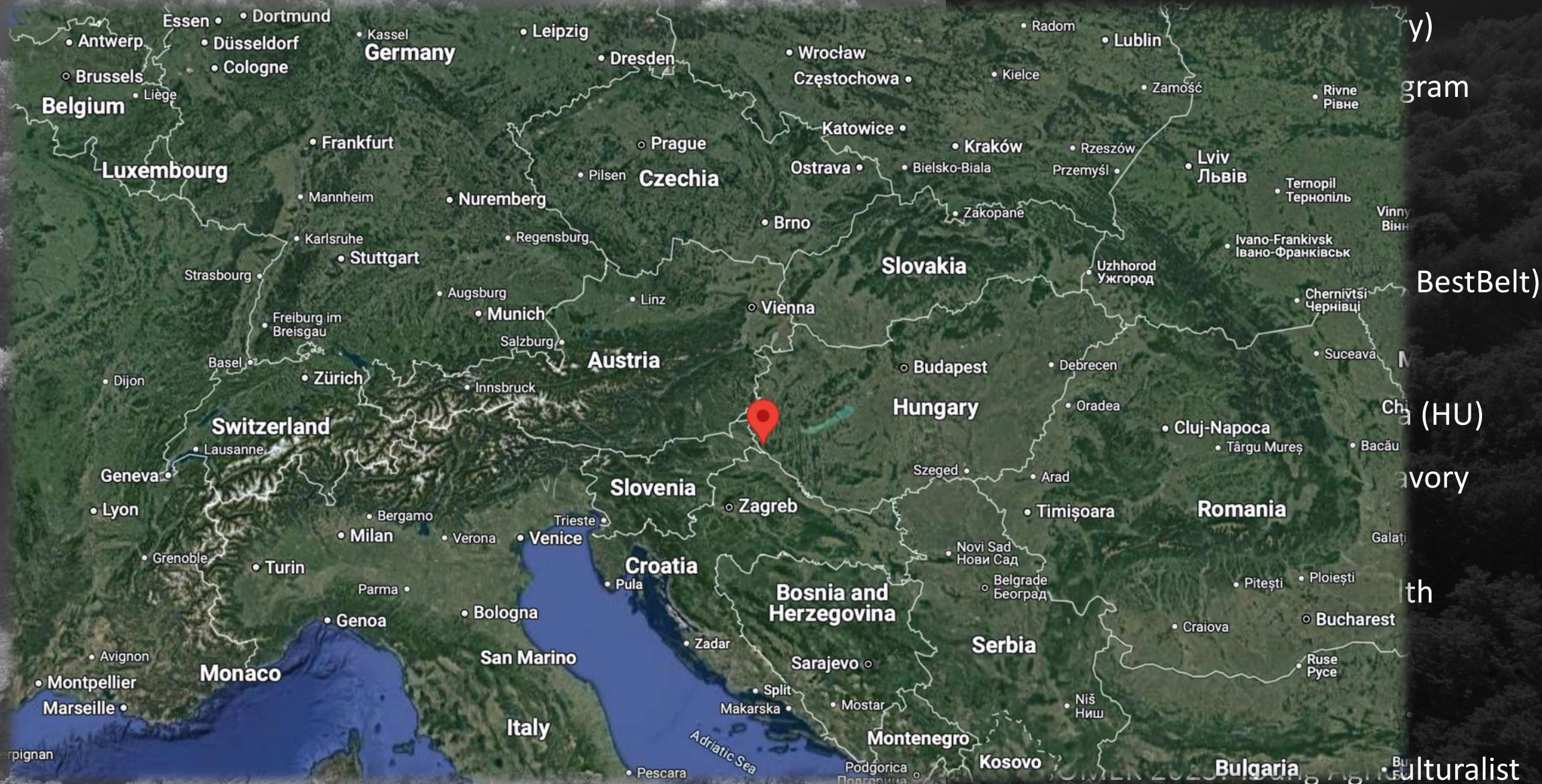
PRIVATE AGROECOLOGY PROJECT

**Climate Resilience Through Adaptive Grazing
Management**

András Szunyogh

2025.12.04.

Introduction



Grand Prize for Agriculture



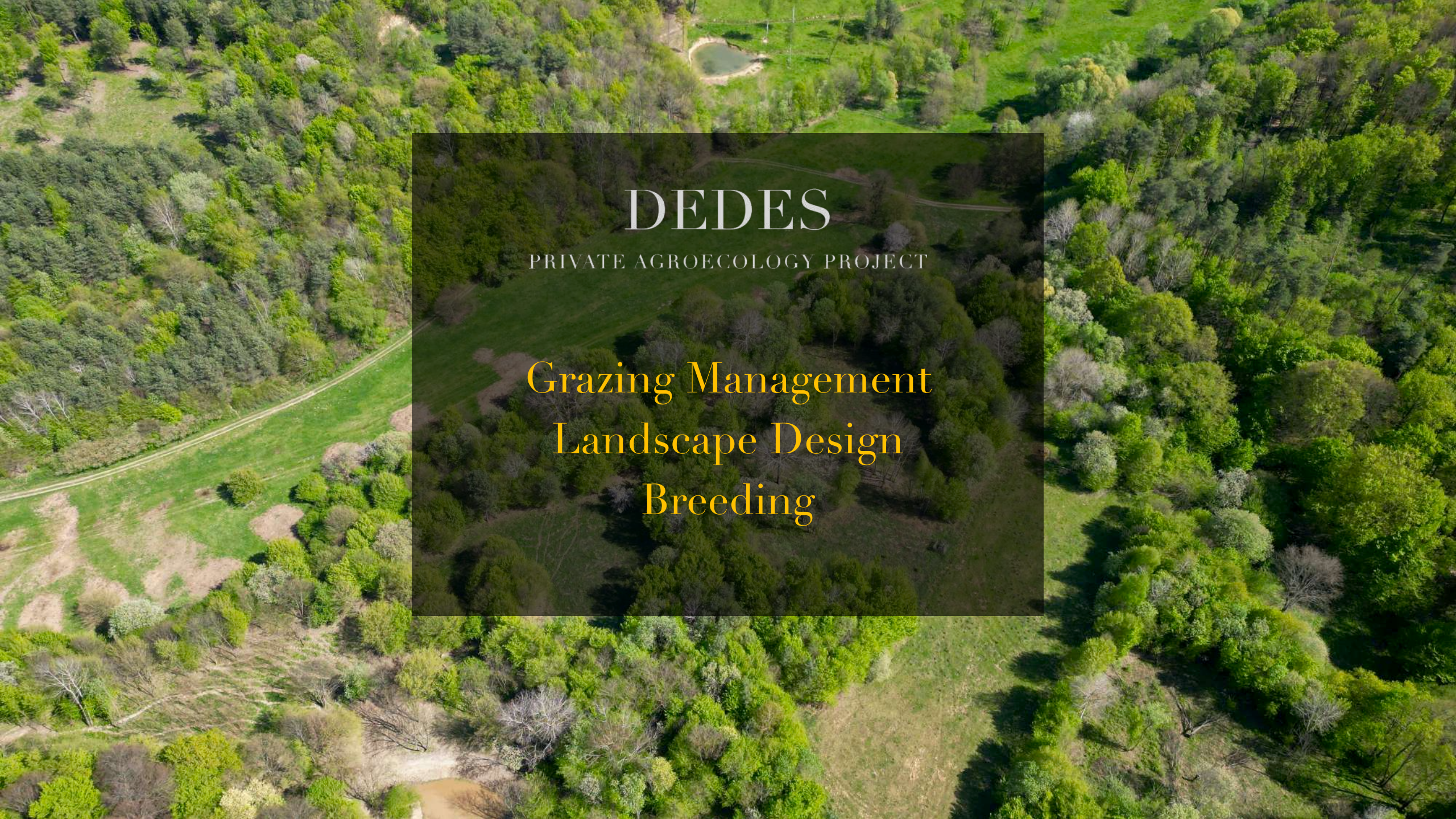
Introduction

- 250 ha in Zala County (Hungary)
 - 100 ha in the grazing program
 - 100 Cattle (Red Angus)
 - 15 Horses (Akhal Teke)
- Living Lab concept (Grassland, BestBelt)



REGRARIANS
All Your Land Needs

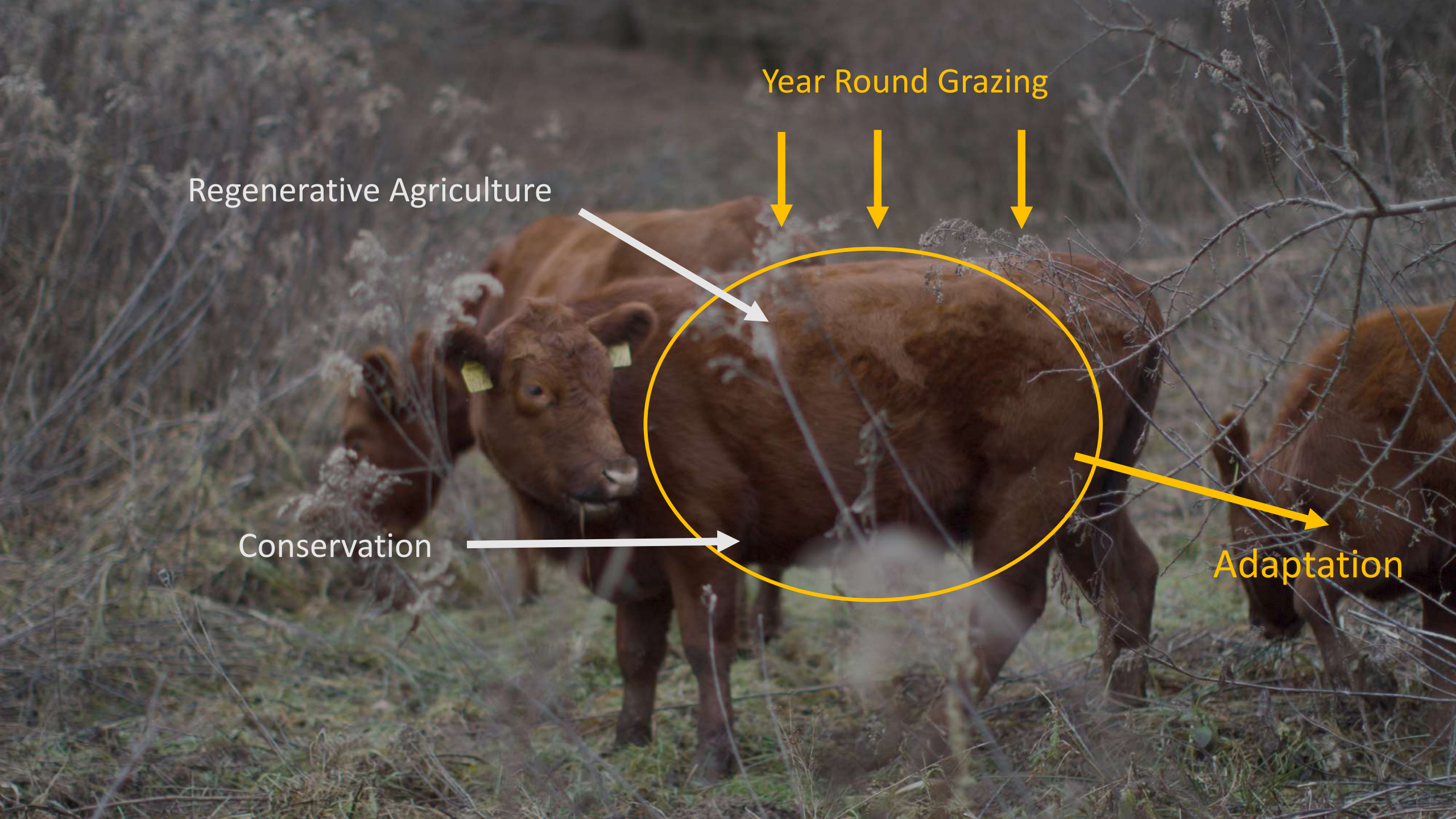
- Related learning experience:
 - PDC - Életfa Permakultúra (HU)
 - Holistic Management - Savory Institute (3LM) (UK)
 - Total Grazing – Real Wealth Ranching (USA)
 - Regrarians (AU)
 - OMÉK 2023: Young Agriculturalist Grand Prize for Agriculture (HU)
 - Agrotrend 2024: Future Agriculturalist prize (HU)

An aerial photograph of a lush green landscape. In the upper center, there is a small, irregularly shaped pond surrounded by dense green trees. To the left of the pond, a dirt road or path runs diagonally across the frame. The landscape is a mix of vibrant green grass and dense, varied green trees. A semi-transparent dark rectangle is overlaid in the center, containing white and yellow text.

DEDES

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Grazing Management
Landscape Design
Breeding



Year Round Grazing

Regenerative Agriculture

Conservation

Adaptation

SET STOCK



Growing Season Plan



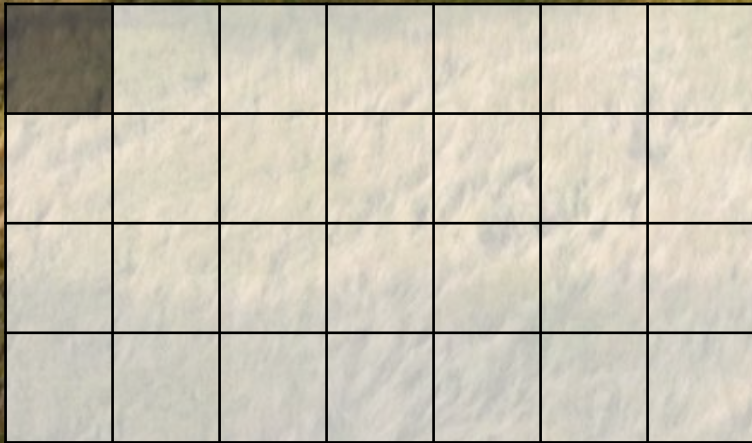
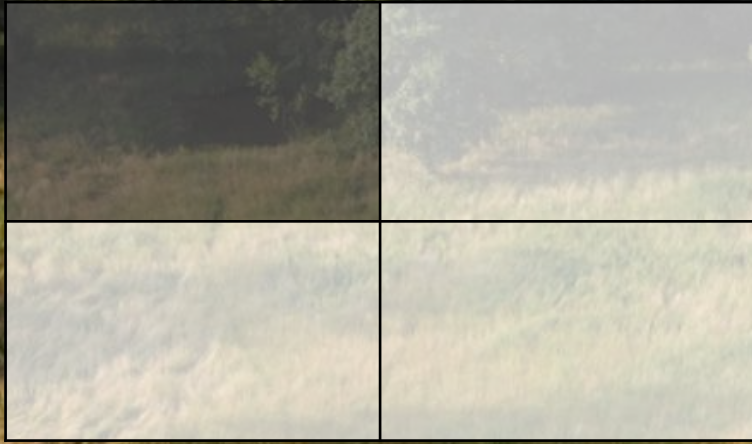
A close-up photograph of a brown cow grazing in a field of tall, dry grass. The cow's head is lowered towards the ground, and its thick brown fur is clearly visible. A yellow ear tag is attached to its left ear. In the background, a dark, rocky hillside is visible under a clear sky. A semi-transparent dark rectangle is overlaid on the top left of the image, containing the title text.

Non-Growing Season Plan

January 2024

~~Transport hay for winter~~
Transport animals to stockpiled areas





Rotation: daily/3-4 days/weekly

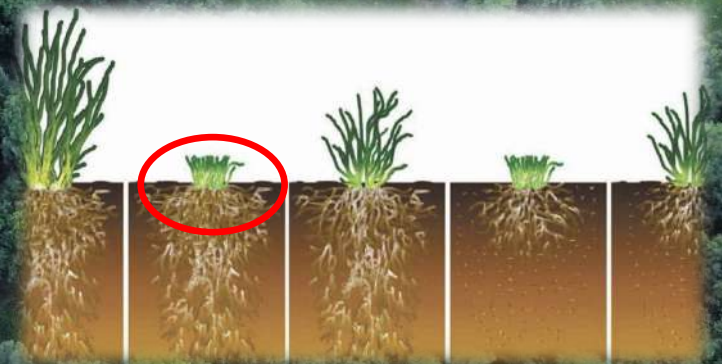
Rest period: 1-6+ months

Animal density: high/low



- Portability — Adaptability
- High management
- Routine (farmer — livestock)
- Fast learning curve (daily moves)

OVERGRAZING?





UTILIZATION

LOW



HIGH

Uncovered
36.2 C



Topsoil
temperature

2 m

2022. július 28
10:14

Covered
24.3 C



Biodiversity



(*Iris sibirica*)
IV. – VIII.

Paddocks					
(no)	Number / Name	M1	M2	M3	M4
2	W1				
2.5	W2				
2.5	W3				
2.5	W4				
3	W5				
2	W6				
1.5	W7				
4.5	R				
4	S1				
5.5	S2				
1	S3				
3	B1				
7.5	B2				
9	B3				



”Skip Paddocks”

- Stockpile
- Mosaic design
- Minimize grazing patterns
- Selective grazing
- No chemicals

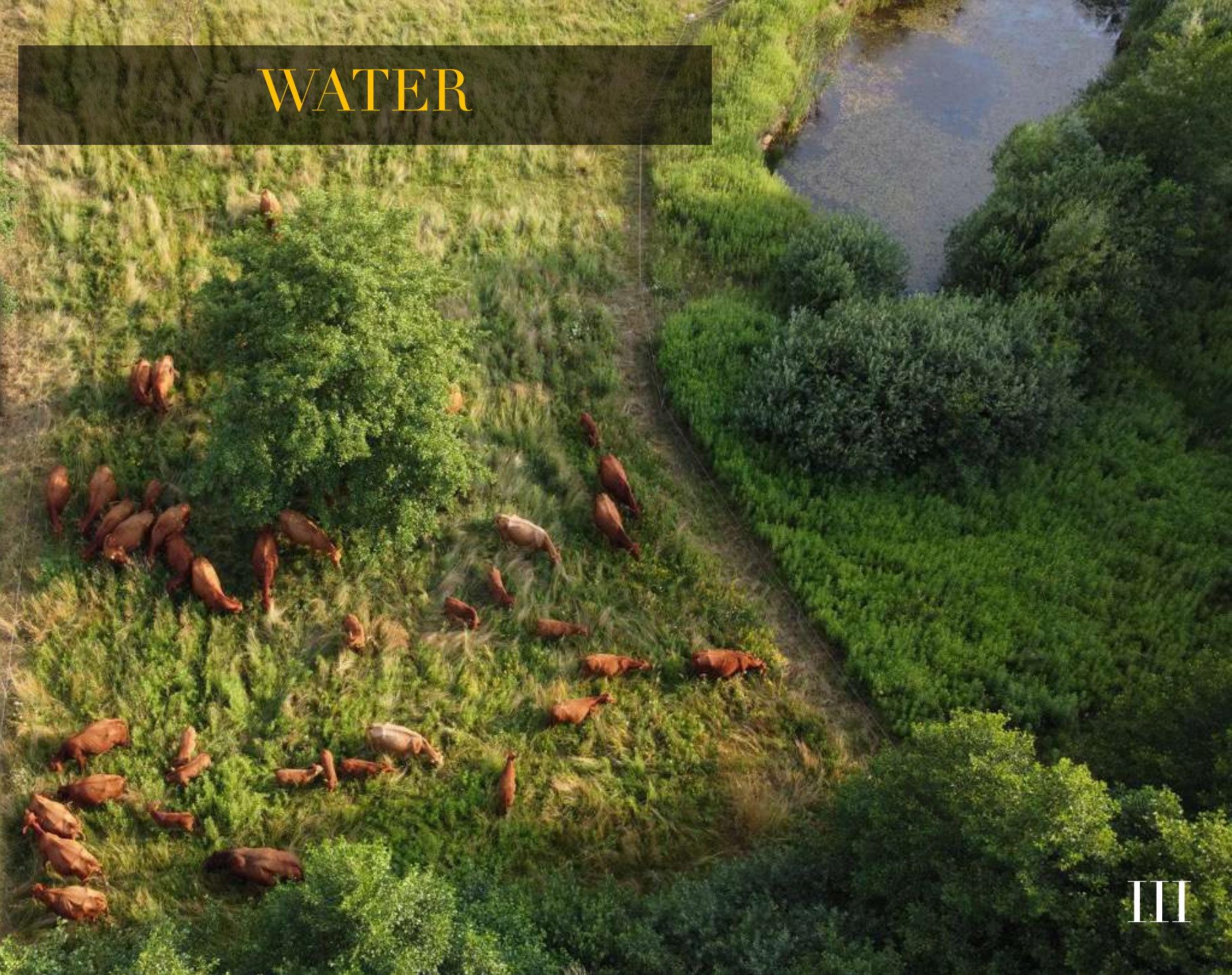
2-es vonal borítás %-ok					
méter	faj	2019	2020	2021	2022
	földi szeder alakkör (<i>Rubus fruticosus</i> agg.)				1
	gilisztaűző varádics (<i>Tanacetum vulgare</i>)		0,01	0,01	5
	közönséges gyertyán (<i>Carpinus betulus</i>)	95		30	30
	közönséges gyertyán (<i>Carpinus betulus</i>) újulat	5	4	5	10
	közönséges orbáncfű (<i>Hypericum perforatum</i>)		0,01	1	
	madár porcsinkeserűfű (<i>Polygonum aviculare</i>)		0,01		
	magas aranyvessző (<i>Solidago gigantea</i>)			15	4
	mezei csorbóka (<i>Sonchus arvensis</i>)			0,01	
	mezei juhar (<i>Acer campestre</i>)	0,01			
	mezei tikkász (<i>Anagallis arvensis</i>)		0,01		
	nagy csalán (<i>Urtica dioica</i>)		2	0,01	1
	nagy útifű (<i>Plantago major</i>)		0,01	0,01	0,01
	pongyola pitypang (<i>Taraxacum officinale</i>)			0,01	0,01
	rezgő nyár (<i>Populus tremula</i>) sarj		0,01		30
	sédkender (<i>Eupatorium cannabinum</i>)			15	3
	siskanád (<i>Calamagrostis epigeios</i>)			15	10
	szürke madársóska (<i>Oxalis corniculata</i>)		0,01		
	tarka kenderkefű (<i>Galeopsis tetrahit</i>)			0,01	0,01
	terebélyes harangvirág (<i>Campanula patula</i>)		0,01		
	űrömlevelű parlagfű (<i>Ambrosia artemisiifolia</i>)		4	0,01	
26-30	lombkorona összesen	80	90	95	95
	talaj	5	20	20	15
	avar	80	80	30	50
	baracklevelű keserűfű (<i>Polygonum persicaria</i>)				
	berzedt sás (<i>Carex pairei</i>)			1	
	betyárkóró (<i>Conyza canadensis</i>)		1	2	
	borostyán (<i>Hedera helix</i>)	15	2	15	10
	borsfű (<i>Clinopodium vulgare</i>)		0,01		
	borzas ibolya (<i>Viola hirta</i>)		0,01		0,01
	bükk (<i>Fagus sylvatica</i>) újulat			0,5	
	csumós ebír (<i>Dactylis glomerata</i>)		2		
	egynyári seprence (<i>Erigeron annuus</i>)		0,01	1	1
	erdei gyömbérgyökér (<i>Geum urbanum</i>)	2			
	fakó muhar (<i>Setaria pumila</i>)			0,01	0,01



„Stockpile“



WATER





REGRARIANS

All Your Land Needs



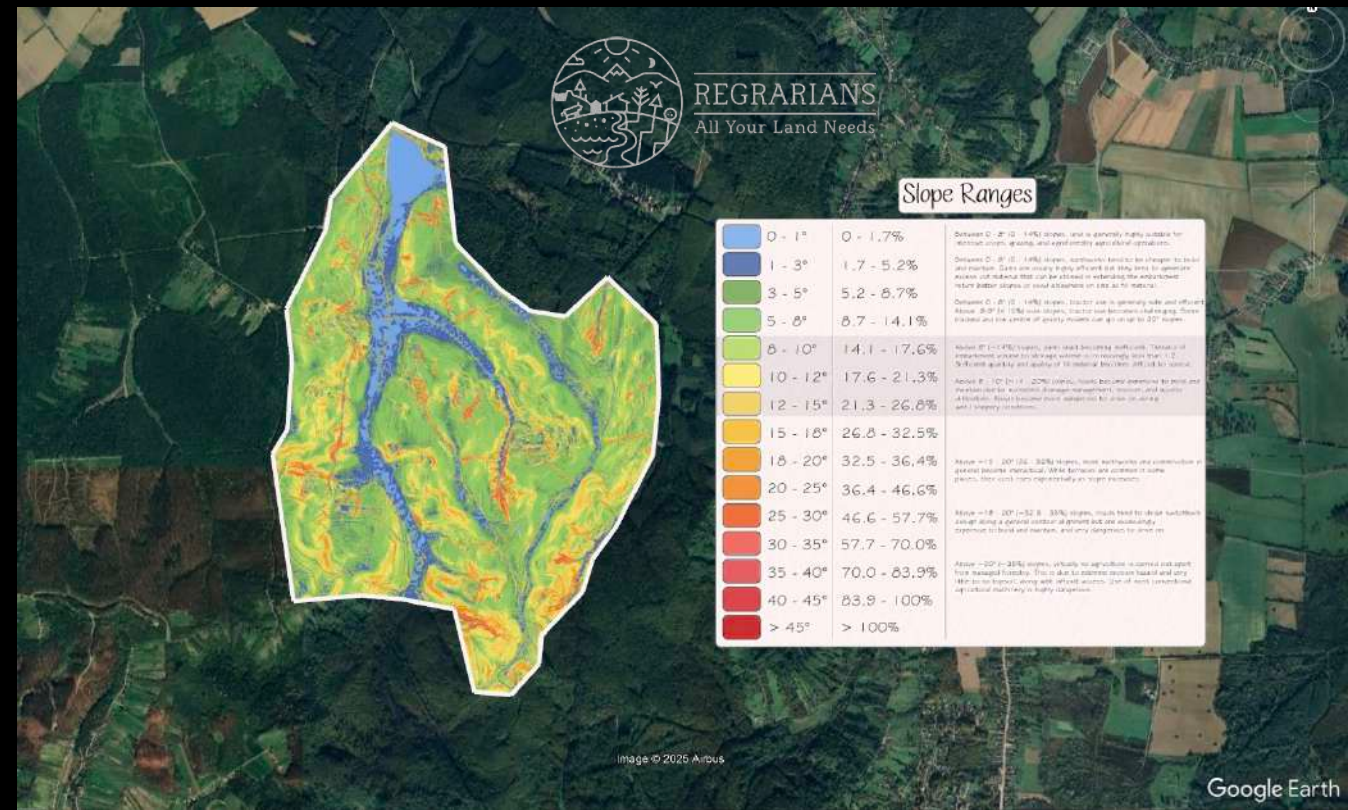
Australia



- Local history research
- Nature conservation expert reports
- International best practices

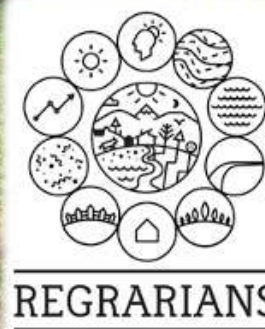
DATA

- Contour Maps (LIDAR)
- Base Maps (Regrarians)
- Historic Maps
- Orthomosaic maps (dronedeploy)





„Drinking point” – Micro habitat



Életfa Permakultúra





A close-up, artistic photograph of a horse's head, focusing on its eye. The horse has dark brown, wavy hair. The eye is large and dark, with a bright reflection. The background is blurred, showing warm, golden light. A dark rectangular box is overlaid on the top left, containing white text.

Adapted Genetics

- PERFORMANCE BASED SELECTION -

- High grass conservation efficiency
- Parasite resistance
- Grazing wisdom
- Adapted to it's environment

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Thank you for your attention!

András Szunyogh

andras.szunyogh@dedes.hu