



Carbon Farming CE

WP1 Transnational testing of carbon farming techniques - Slovakia

Testing techniques:

Liming effect (with different concentrations)

Relocation harvest residues

Testing of carbon farming techniques

October 2023, Smolenice/Slovakia

Name: Jozef Wallner, Dipl. Ing.

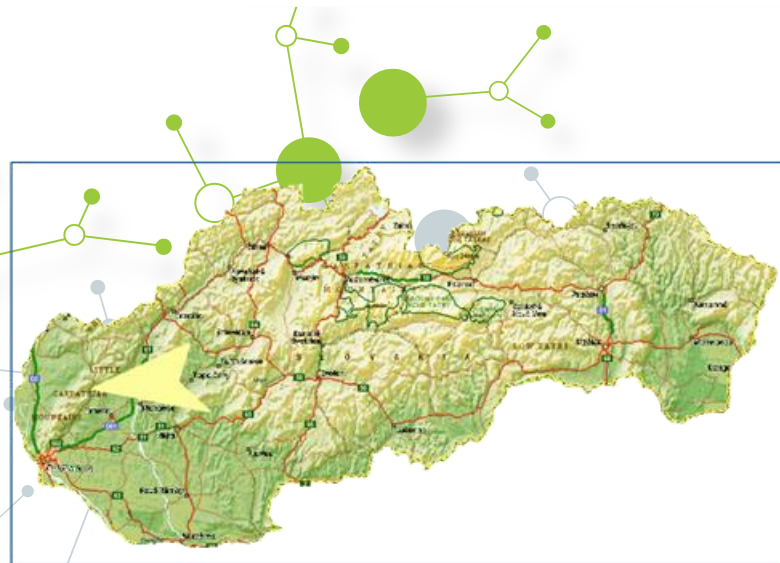
Organization: PP_07 No Gravity (Slovakia)

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Transnational testing of carbon farming techniques

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- samples for a liming effect with different concentrations $\frac{1}{2}$
- sample for a relocation harvest residues
- control sample



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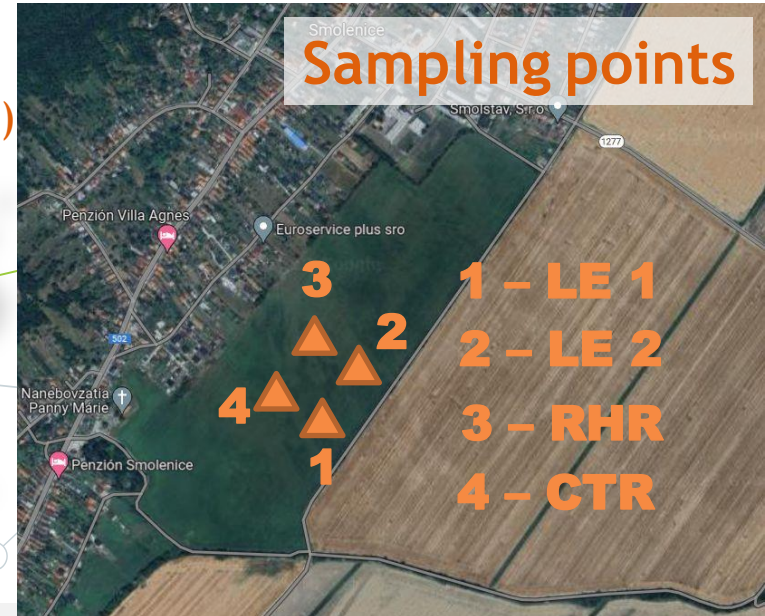
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- sample for a liming effect ½ (LE 1/LE 2)
- sample for a relocation harvest residues (RHR)
- Control sample (CTR)



Testing of carbon farming techniques

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Collecting a soil samples for Lab Analysis

Carbon Farming CE

- Testing samples for a liming effect and relocation harvest residues



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the European Union

Transnational testing of carbon farming techniques

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Results of the Lab Analysis:

sample 1	GPS: 48.49837/17.43138	location: Smolenice / Slovakia / 224 m.a.s.l.			
	controlled characters	value	unit	criterion	method
LE 1	pH/KCl	6,47	n/a	slightly acidic	STN ISO 10390
	Cox	2,53	%	high	Walkey-Black
sample 2	GPS: 48.49827/17.43139				
LE 2	pH/KCl	6,42	n/a	slightly acidic	STN ISO 10390
	Cox	2,48	%	high	Walkey-Black
sample 3	GPS: 48.49867/17.43110				
RHR	pH/KCl	6,34	n/a	slightly acidic	STN ISO 10390
	Cox	2,86	%	high	Walkey-Black
sample 4	GPS: 48.49854/17.43094				
CTR	pH/KCl	5,54	n/a	acidic	STN ISO 10390
	Cox	2,48	%	high	Walkey-Black

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Collecting a soil samples for Lab Analysis



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Results of the Lab Analysis:

- analysis in the certified Lab: **Soil Science and Conservation Research Institute**
- internal number: **1082-1085, samples (nr. 4): external,**
- identification: **soil**
- used methods: **STN ISO 10390 and Walkley-Black**
- Results:
 - overall evaluation of the soil: **mostly slightly acidic to acidic and high concentrations of 'Cox' parameter**

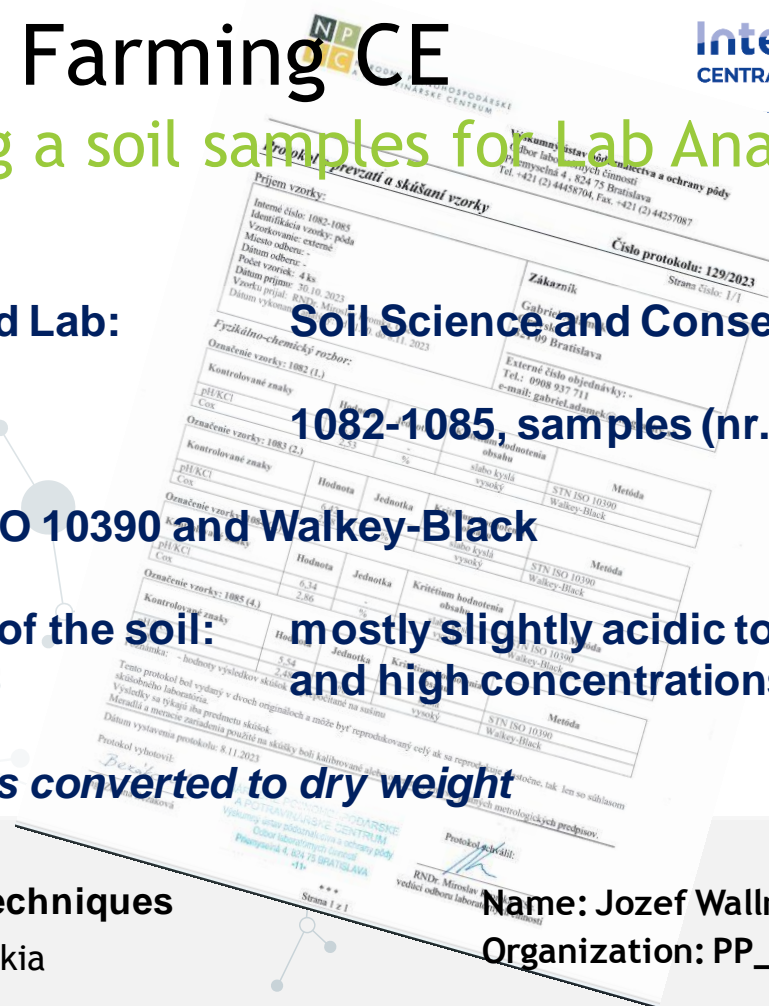
Note: values of the results converted to dry weight

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Comparison results will be provided after harvest in 2024!

Jozef Wallner, Dipl. Ing.
No Gravity NGO