

The effect of different combine harvester running gear solutions on soil

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The New Winds of Work Machine
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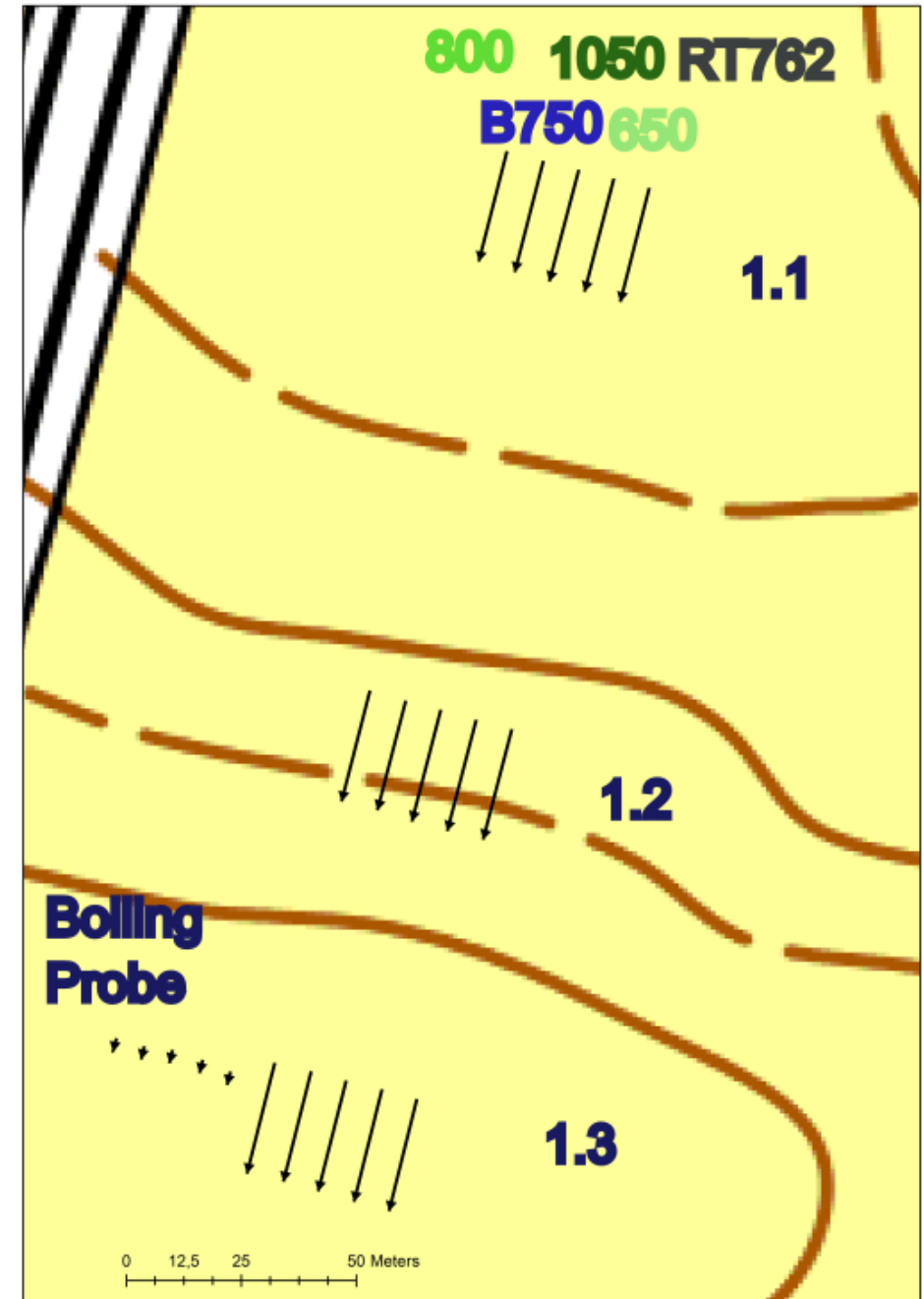
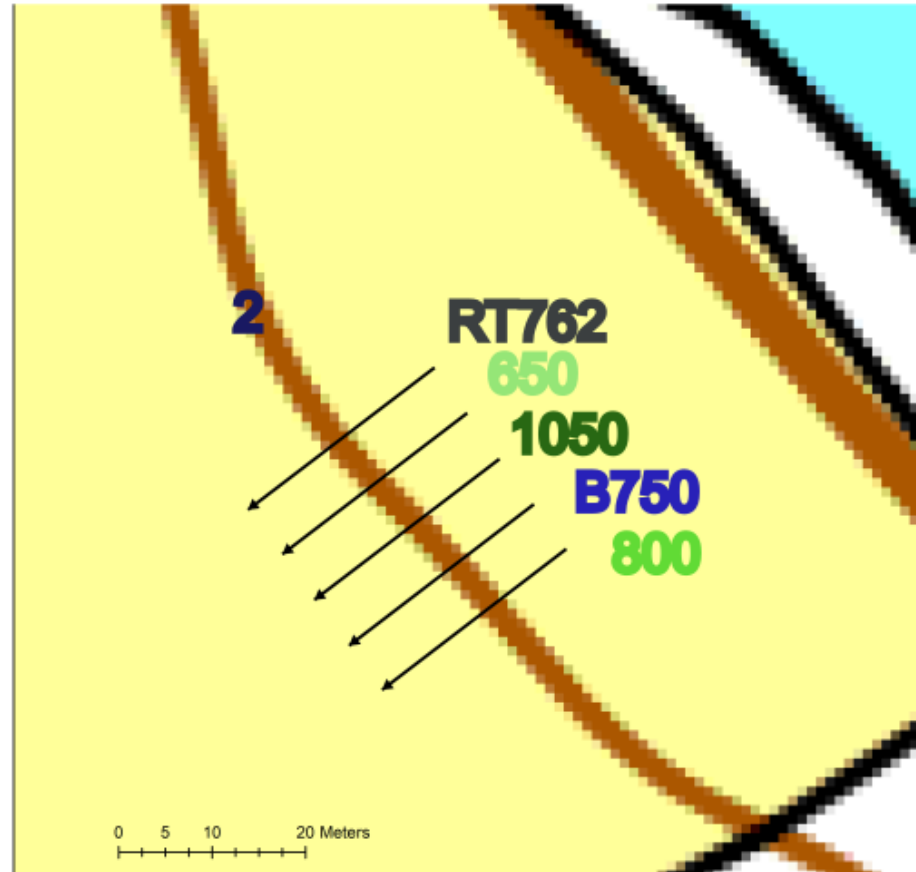
Photo: Jari Ala-Ilomäki/Luke

Running gear solutions

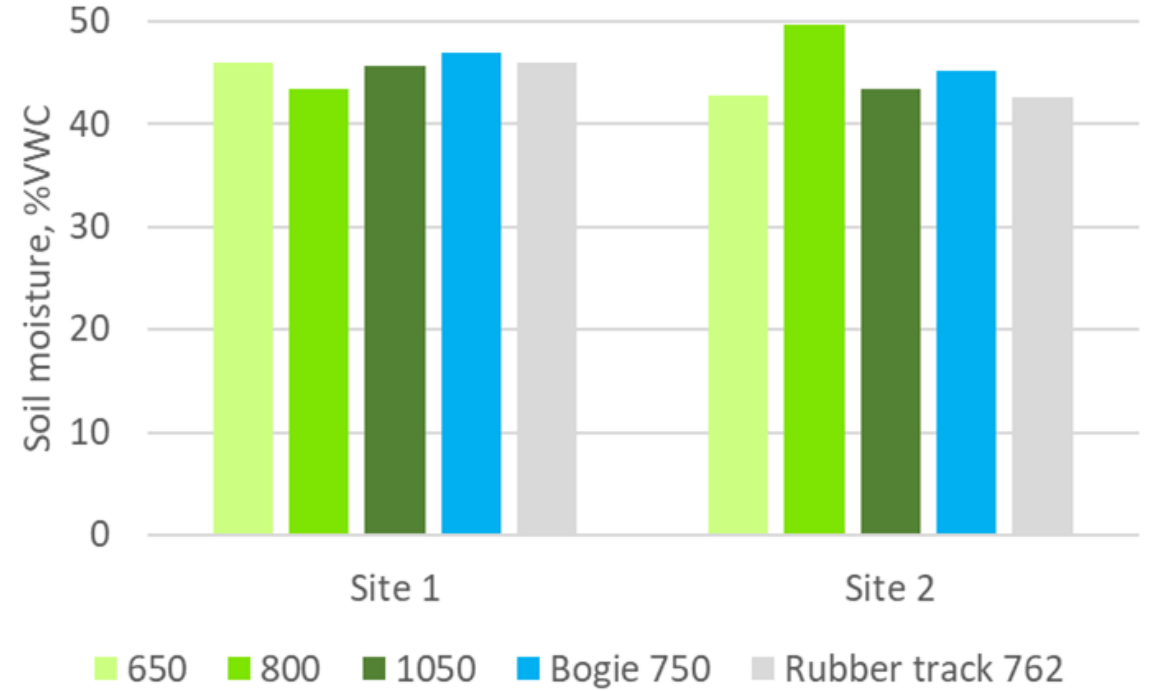
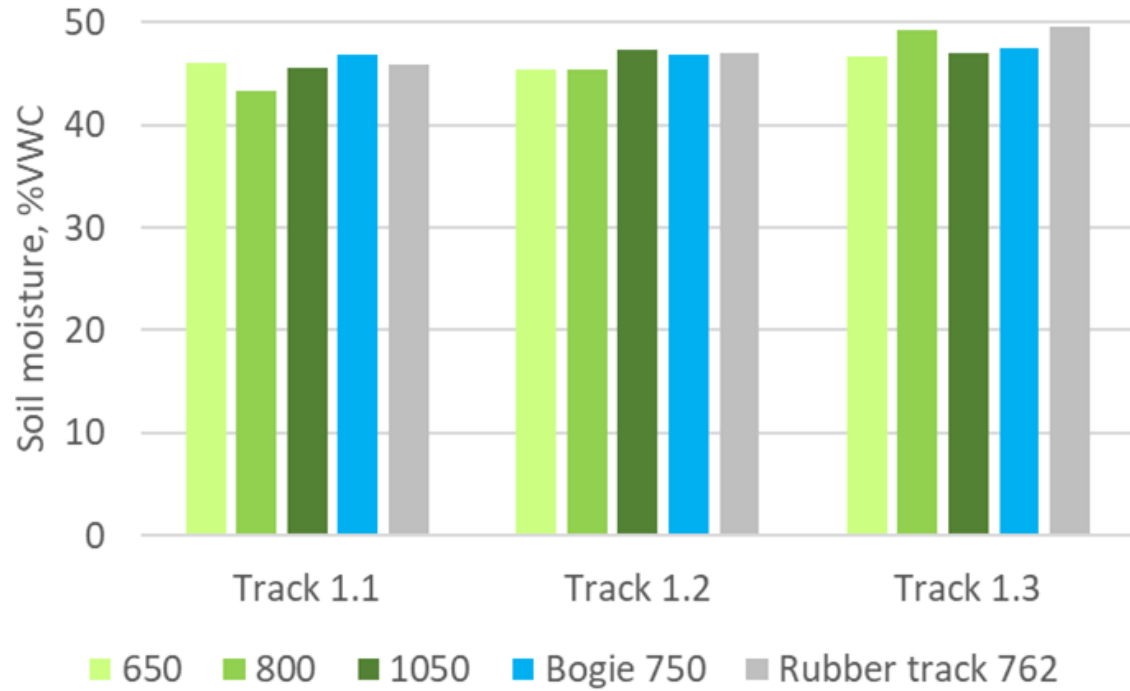
650	650 mm tire	
800	800 mm tire	
1050	1050 mm tire	
B 750	Bogie with 750 mm tires	
RT 762	762 mm rubber track	

Test sites and study plots

- Jämsä, Central Finland
- 16.-.18.4.2024
 - Site 1: After harvesting
 - Site 2: Ploughed
- Clayey soils

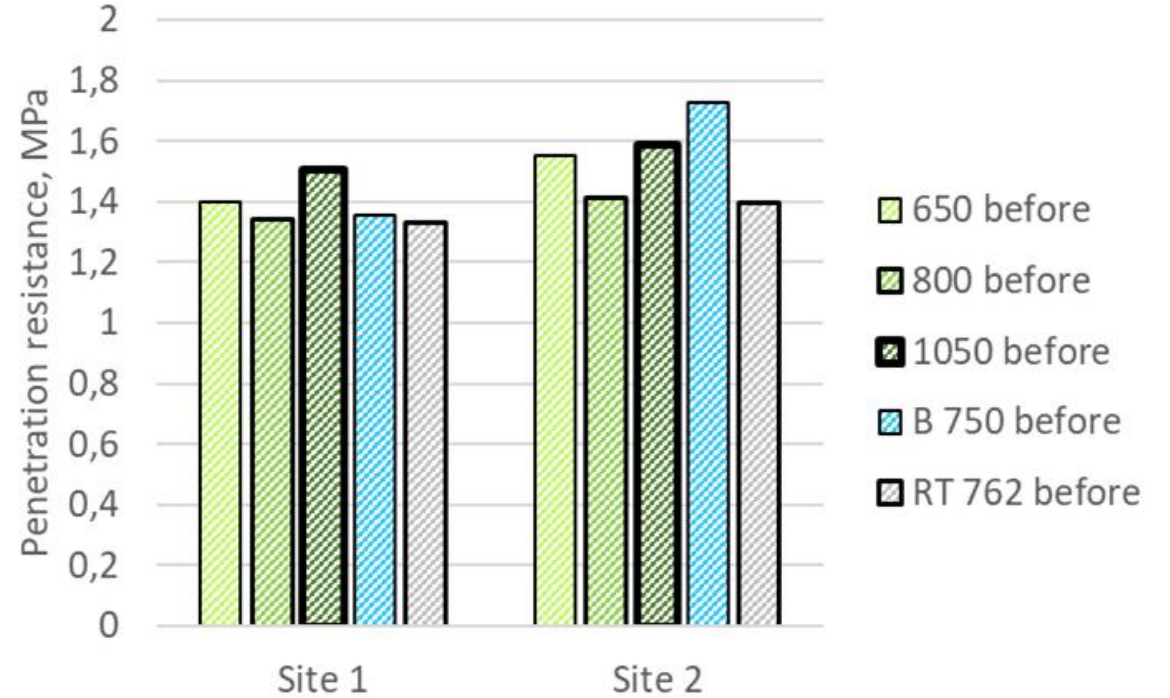
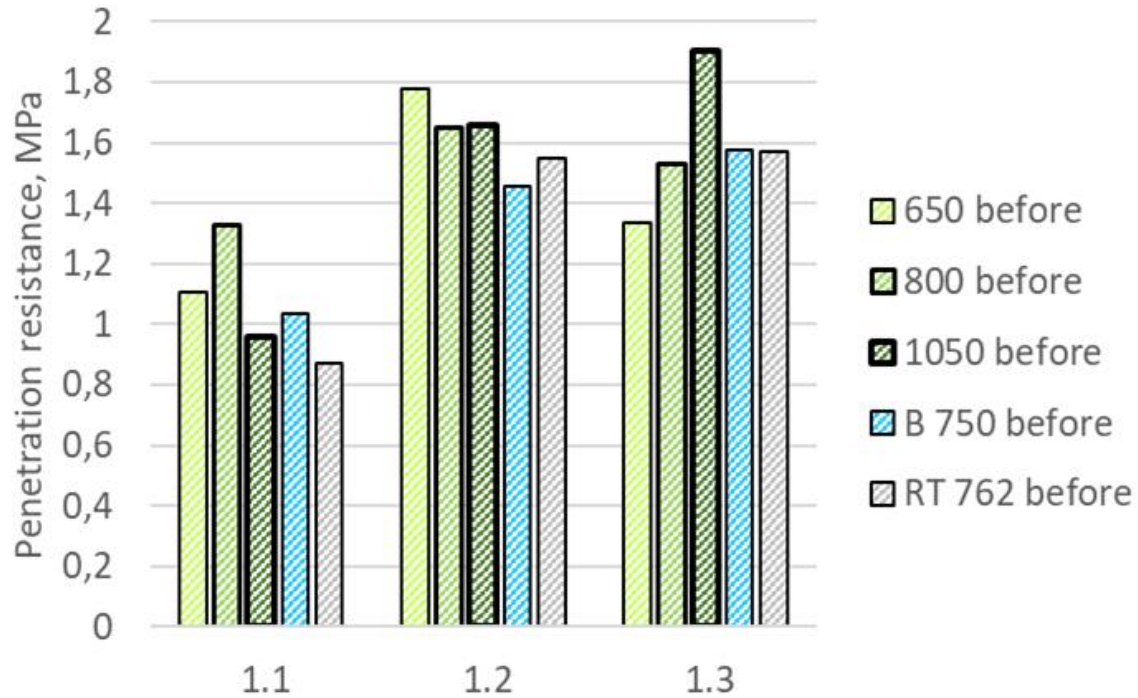


Soil moisture



- Measured with Adek Percometer

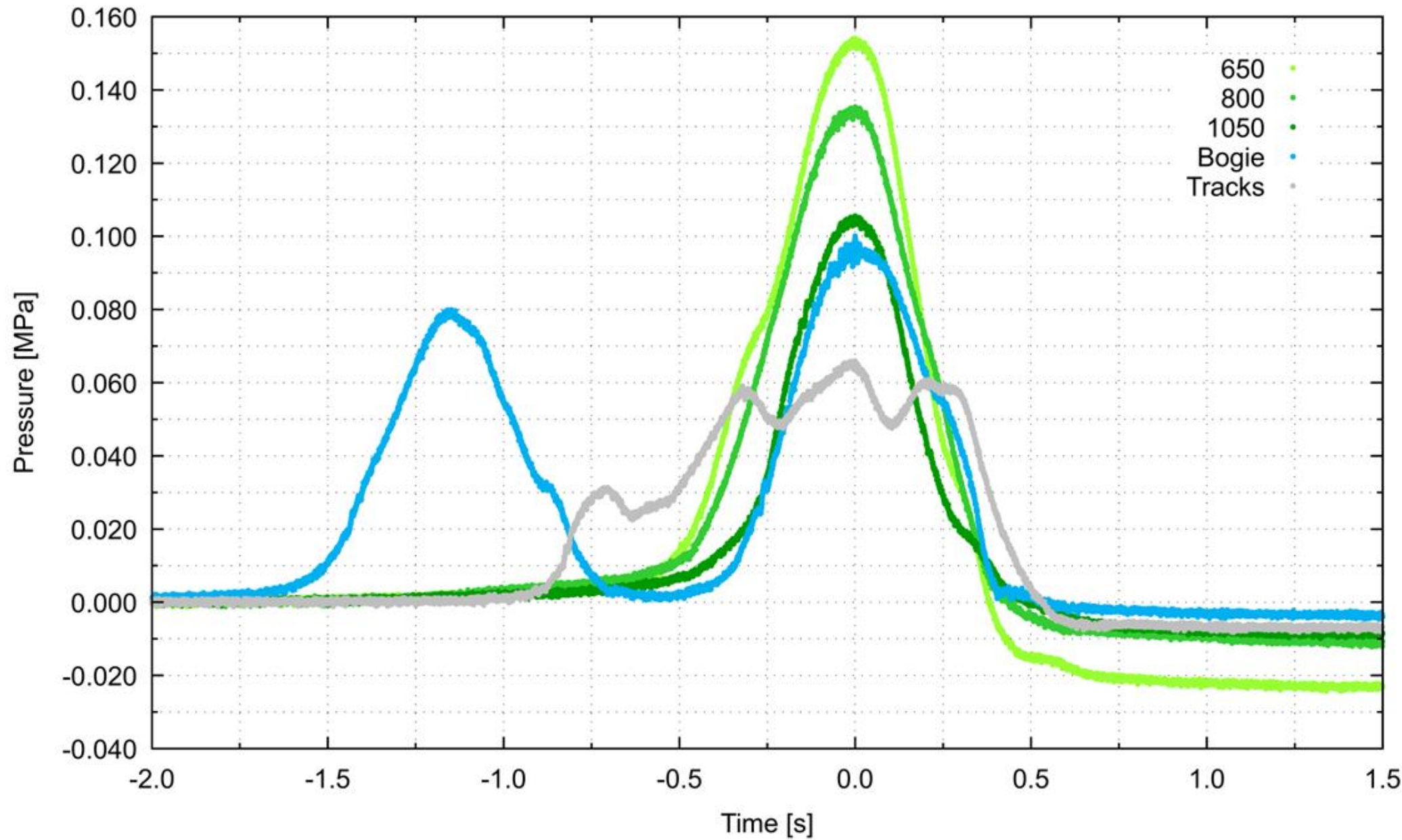
Penetration resistance before tests



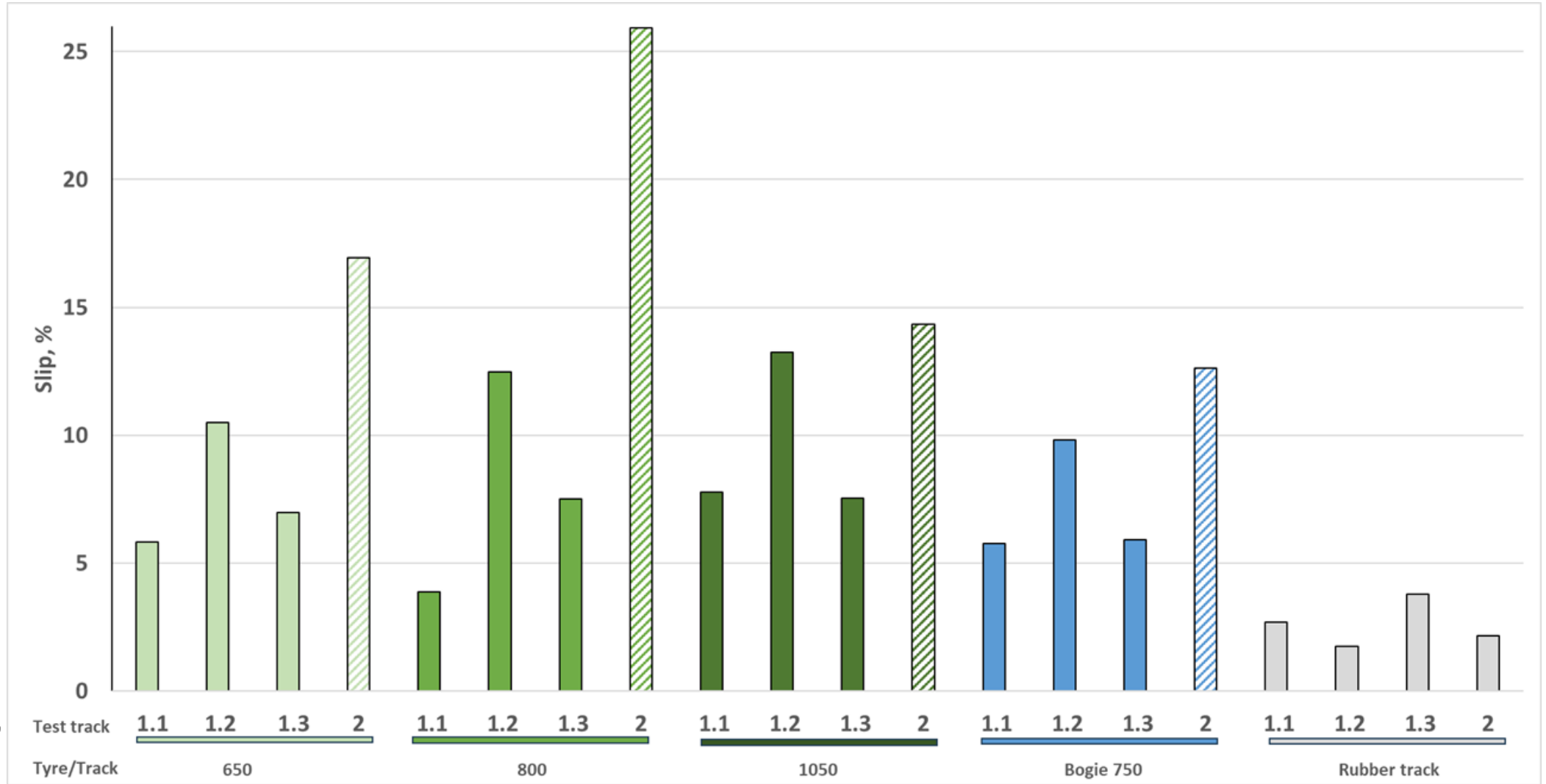
- Depth 0-30 cm, measured with Eijelkamp Penetrologger

Soil pressure

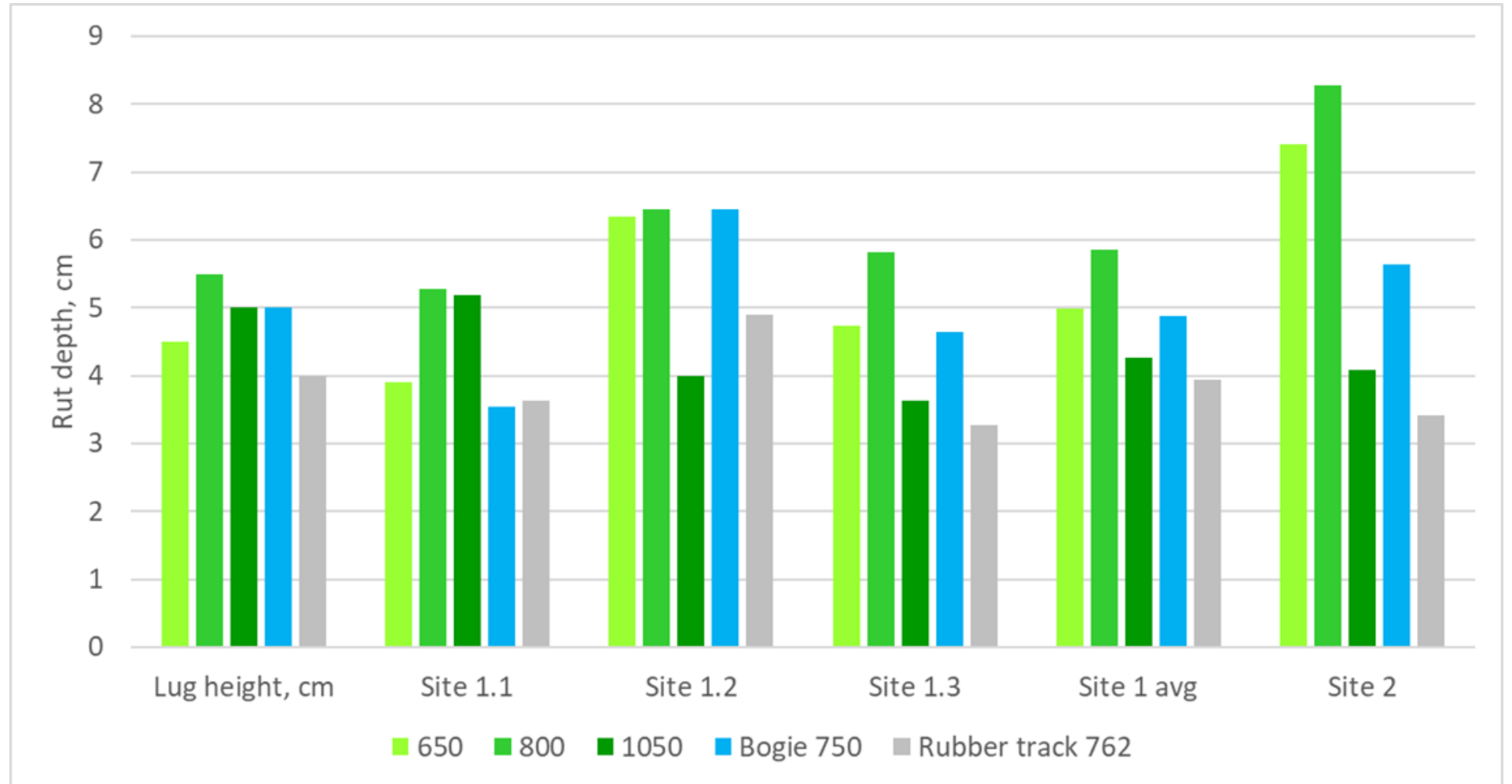
- Bolling Probe-system
- Depth 20 cm



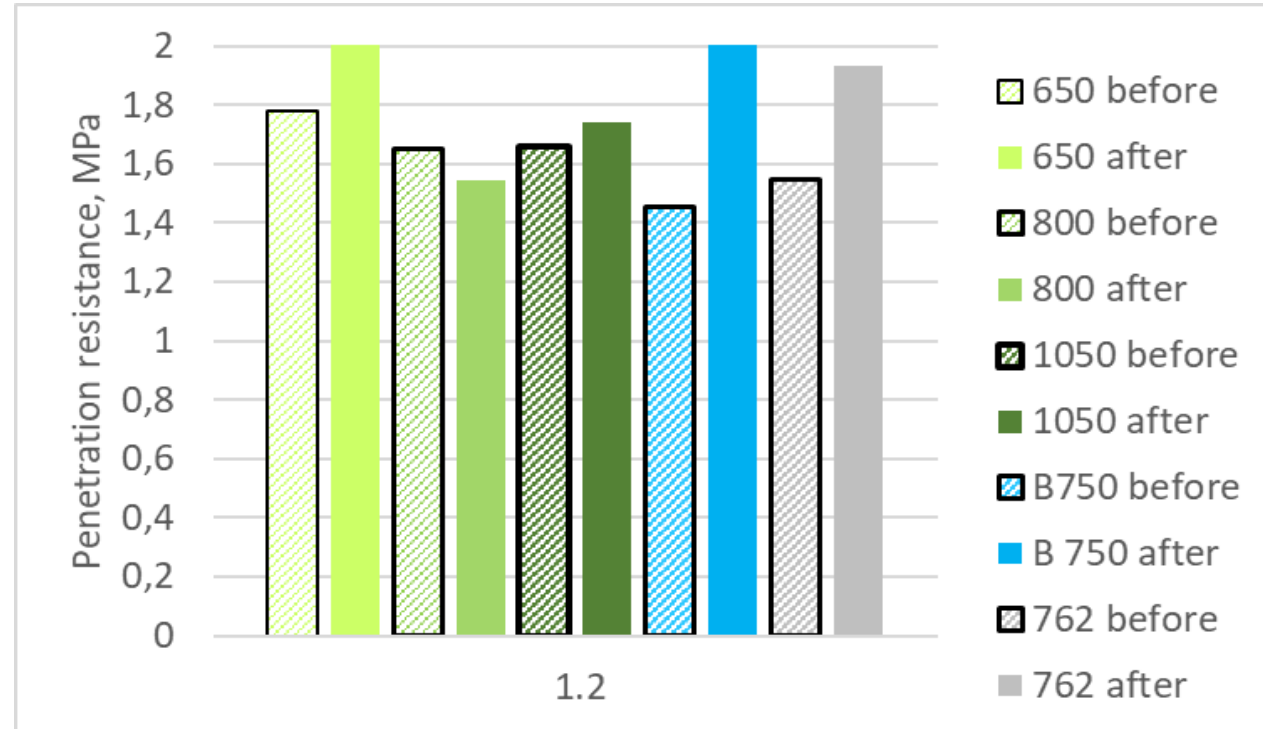
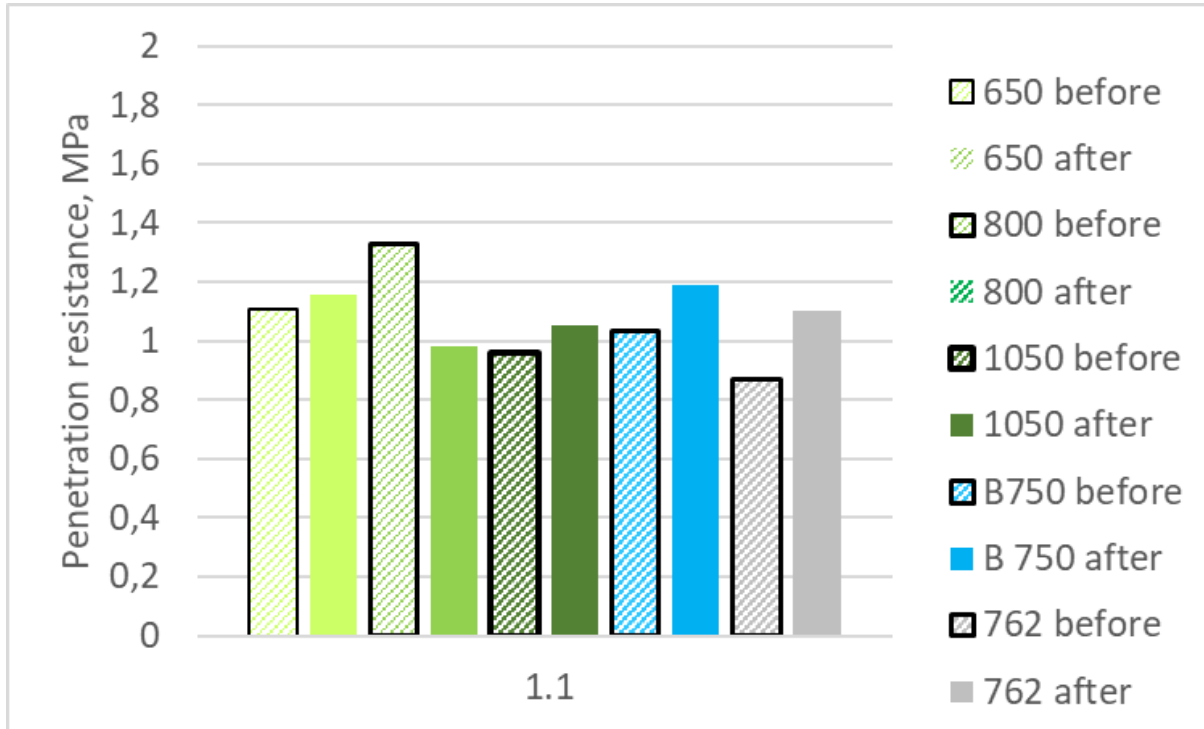
(Wheel)Slip



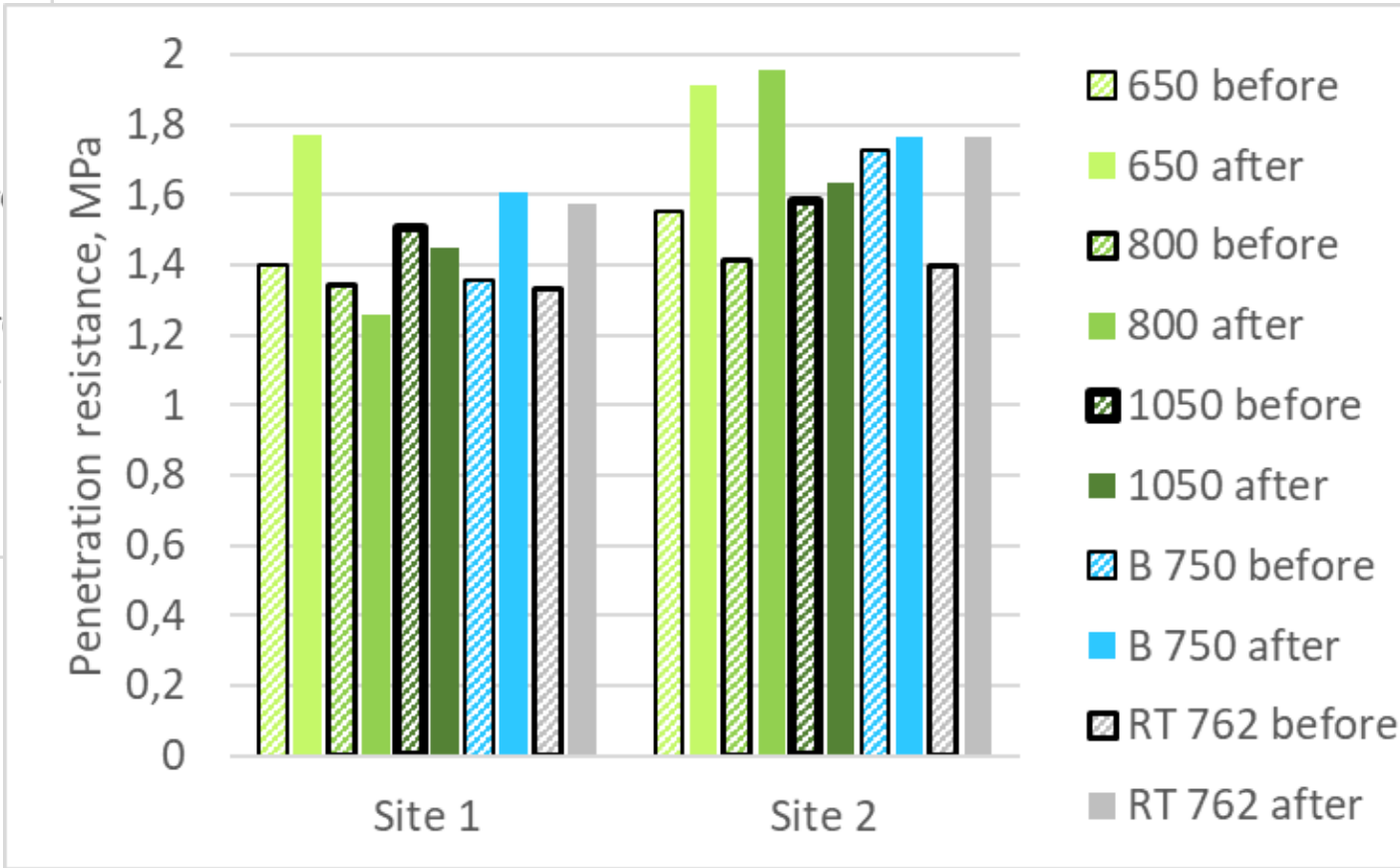
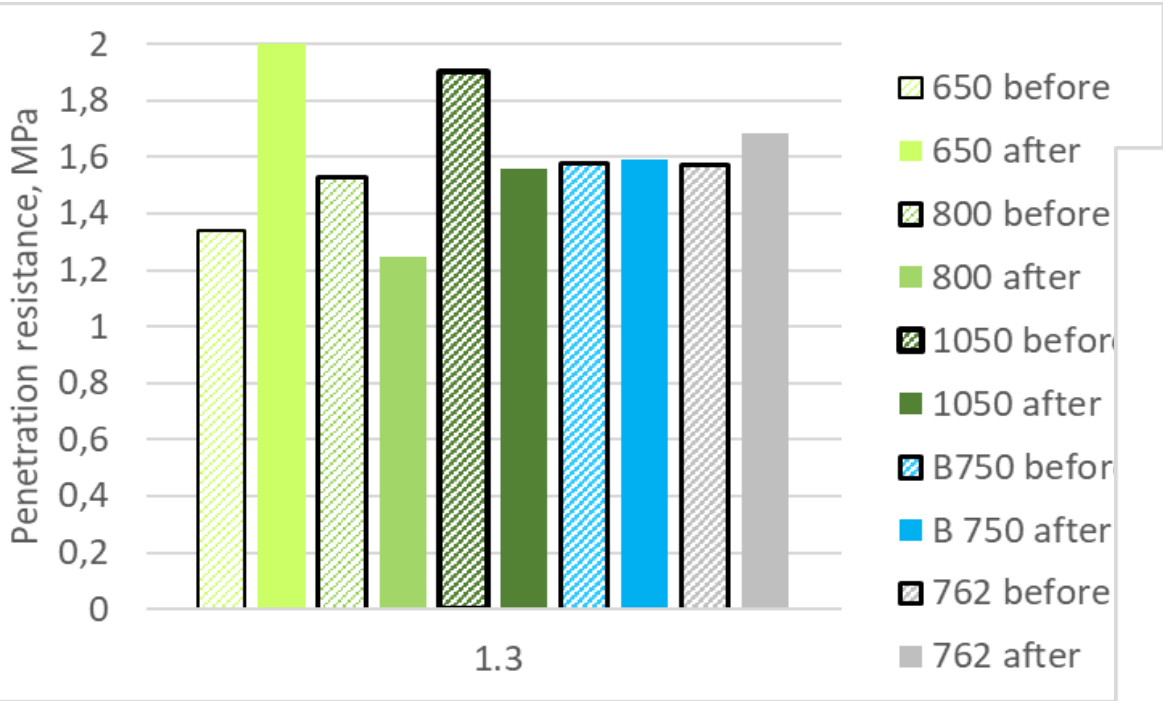
Rut depth



Penetration resistance after test run



Penetration resistance after test run



Thank you!



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