



## **Soil water repellency of Antarctic soils (Elephant Point). First results**

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Hydrophobicity is a natural property of many soils around the world. Despite the large body of research about soil water hydrophobicity (SWR) in many environments, little information is available about Antarctic soils and their hydro-geomorphological consequences. According to our knowledge, no previous work was carried out on this environment. Soil samples were collected in the top-soil (0-5 cm) and SWR was analysed according to the water drop penetration test. The preliminary results showed that all the soils collected were hydrophilic, however further research should be carried out in order to understand if SWR changes with soil depth and if it has implications on soil infiltration during the summer season.