



European Ultrasonic Planetary Core Drill (UPCD)

Concept of Operations Development

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UPCD Project Overview



- Development of a drilling/caching architecture base on ultrasonic/sonic drilling technique
- EU Framework 7 funded project (~€3M)
- Focus has been placed on a Mars Sample Return (MSR) objective
- UPCD Campaign Model must assemble drill string in order to obtain 30 cm core samples
- Summer 2016 field trials at Houghton Mars Project, Devon Island, Canada.

