

P28: Impact of increased temperatures on soil moisture and vegetation condition	
Maturity score	
Mean: 2.3	STD: 0.75
<u>Constraints and limitations</u>	
<ul style="list-style-type: none"> • Cloud presence • Ground truth data is important for validation purposes 	
<u>Relevant user needs</u>	
UN41: Need to monitor the impact of increased temperatures on assets.	
<u>R&D gaps</u>	
<ul style="list-style-type: none"> • The low spatial resolution of products for temperature and soil moisture • Lack of long multitemporal EO series 	
<u>Potential improvements drivers</u>	
<ul style="list-style-type: none"> • Higher spatial and temporal resolutions EO data for temperature and soil moisture data • More validation of the product is required 	
Utilisation level review	
Utilisation score	
Mean: 2.20	STD: 0.75
<u>No utilisation</u>	
<ul style="list-style-type: none"> • Unawareness of the existence of this EO product 	
<u>Low utilisation</u>	
<ul style="list-style-type: none"> • Unawareness of the existence of commercial EO products with better specifications • estimations 	
<u>Medium utilisation</u>	
<ul style="list-style-type: none"> • Unawareness of the existence of the best available commercial EO product with better specifications. 	
<u>High utilisation</u>	
Critical gaps related to relevant user needs	
Guideline gap	
UN41: Need to monitor the impact of increased temperatures on assets	