

P19: Vegetation height estimation	
Maturity score	
Mean: 2.5	STD: 0.65
<u>Constraints and limitations</u>	
<ul style="list-style-type: none"> • Cloud presence • High cost of VHR satellite imagery • The machine learning models are limited to regions with similar vegetation characteristics where it was trained. • Uncertainty related to machine learning models 	
<u>Relevant user needs</u>	
UN37: Projection of risk to portfolio assets into the future.	
<u>R&D gaps</u>	
<ul style="list-style-type: none"> • Lack of time series ground truth data (Light Detection and Ranging (LIDAR)) 	
<u>Potential improvements drivers</u>	
<ul style="list-style-type: none"> • Provide training datasets for different vegetation types over different regions in the world 	
Utilisation level review	
Utilisation score	
Mean: 2.40	STD: 0.49
<u>No utilisation</u>	
<u>Low utilisation</u>	
<ul style="list-style-type: none"> • The use of the Global Ecosystem Dynamics Investigation (GEDI) sensor to assess carbon capture in standing/planted forests which are part of an offset mechanism. • Unawareness of the existence of commercial EO products with better specifications 	
<u>Medium utilisation</u>	
Higher cost of using the best available commercial EO product	
<u>High utilisation</u>	
Critical gaps related to relevant user needs	
Guideline gap	
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