

<b>P07: Monitoring reforestation and deforestation activities</b>	
<b>Maturity score</b>	
<b>Mean:</b> 2.9	<b>STD:</b> 0.26
<b><u>Constraints and limitations</u></b>	
<ul style="list-style-type: none"> <li>• Cloud presence</li> <li>• By using medium-resolution imagery for large forests, distinguishing reforestation, or deforestation activities from other land uses, such as agriculture or natural disturbances, can be challenging due to similar visual characteristics.</li> <li>• The accuracy of land cover data used for classification can impact the precision of change detection results.</li> <li>• Changes in vegetation cover due to natural seasonal cycles can impact the accuracy of change detection, potentially leading to false positives or negatives.</li> </ul>	
<b><u>Relevant user needs</u></b>	
UN27: Need to assess historical trends and baseline of natural assets.	
UN28: Need to classify the types of crops being grown to assess the sustainability and environmental impact of agricultural investments.	
UN30: Need for monitoring with accurate measurements the of growth and health of trees.	
UN39: Need to assess the potential impact of business activities or investments on ecosystems and biodiversity.	
<b><u>R&amp;D gaps</u></b>	
The product highly responds to the user's needs	
<b><u>Potential improvements drivers</u></b>	
No crucial improvements were provided as it highly responds to the user's needs	
<b>Utilisation level review</b>	
<b>Utilisation score</b>	
<b>Mean:</b> 3.00	<b>STD:</b> 0.82
<b><u>No utilisation:</u></b>	
<b><u>Low utilisation</u></b>	
lack of company and portfolio-specific data to do very robust assessments. However, at a project level, it makes sense, as it is highly used.	
<b><u>Medium utilisation</u></b>	
Unawareness of the existence of the best available commercial EO product with better specifications	
<b><u>High utilisation</u></b>	
Only this product satisfies the technical and usability requirements	
<b>Critical gaps related to relevant user needs</b>	

**Guideline gap**

UN39: Need to assess the potential impact of business activities or investments on ecosystems and biodiversity