

**TEMPLATE B**  
**RESPONSE FOR CAPACITY-BUILDING NEEDS-ASSESSMENT: “Space2030” Agenda**  
**Mid-term Review**

**For Member States**

NOTE BY SECRETARIAT: the following template is designed to allow Member States to provide standardized responses to any of the 4 Overarching Objectives and to demonstrate their respective challenges and needs

<b>Overarching objective [1-4]</b>	1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 3.1, 4.2, 4.3, 4.4
<b>Country</b>	Bulgaria
<b>Outline the nature of your national challenge(s)</b>	<p>In its National Programme 2030, Bulgaria addresses the objectives of UN SDGs and aligns with them high level measurable steps to overcome outstanding challenges in all aspects of sustainable development. The most prominent of them are:</p> <p><b>Poverty:</b> reduce poverty, access to economic resources, resilience against disasters,</p> <p><b>Hunger:</b> double agricultural production, ensuring sustainable food production systems, increase investments in rural infrastructure, <b>Health:</b> reduce childbirth deaths, eliminate epidemics, reduce preliminary death, improve access to health service, endorsement of medical and pharmaceutical research,</p> <p><b>Education:</b> access to education for all, work force adequate skills development, modernization of schools, provision of scholarships</p> <p><b>Clean water:</b> secure access to clean water for all, increase the effectiveness of water use, increase the water quality, improve the sewage systems, deployment of integrated management of water resources, protection and recovery of the ecosystems bound to water, broaden international cooperation,</p> <p><b>Renewable energy:</b> extend the infrastructure for sustainable and reliable provision of energy services, international cooperation</p> <p>and many more</p>

<p><b>Please explain more, including whether you have already identified a space solution?</b></p>	<p>To face all these challenges and find critical solutions for them Programme Bulgaria 2030 has formulated three strategic goals, one of which is the DESI index to reach the European median of 52,5%. Further, it has provided detailed plan with measures, targets and required financial support. In this regard, space-based technology has been identified to address water-related issues via integrated solutions for water resources management using Earth observation and AI, that enable analytics, operational efficiency, planning based on historic and forecast data, flood and drought risk management and planning, disaster response planning, daily monitoring and operations, safe navigation. Flood simulation and prospected damages estimation allows municipalities to draw better and more accurate flood risk response plans. The flood plains analysis allows agriculture producers to protect their crops, evaluate their insurance quotes, their market value, and food security. This analysis also contributes to the evaluation of spread of deceases, infections, epidemics, and to the planning and prevention.</p>
<p><b>What kind of assistance would be most beneficial for you in this regard?</b></p>	<p>The role of UNOOSA in addressing the challenges above could be in advising and facilitating international cooperation, Earth observation laws, and technical assistance in international outreach for the issues and the solutions put in place.</p>
<p><b>Relevant SDGs</b></p>	<p>[1, 2, 3, 4, 6, 7]</p>
<p><b>Name of relevant national stakeholder</b></p>	<p>[ministry]</p>