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ORGANIZED JOINTLY BY:

 Federal Ministry
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Climate Action, Environment,
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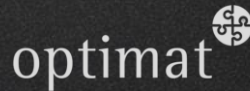
UNITED NATIONS
Office for Outer Space Affairs

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Republic of Austria
European and International
Affairs

SPACE SUSTAINABILITY – A ROADMAP FOR SCOTLAND



Space Scotland



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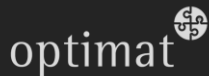
Project Overview

CONTEXT:

The Scottish space sector is well established and has ambitious growth plans. The Scottish Government and its economic development agencies have identified the space sector as a key opportunity for future economic growth.

AIM:

Develop a Sustainability and Net Zero Road map for the Scottish Space industry to ensure the space industry meets its own net zero goals.





Developing the Roadmap

- Review of international best practice
- Identification of transferable lessons
- Industry & stakeholder engagement



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Defining Space Sustainability



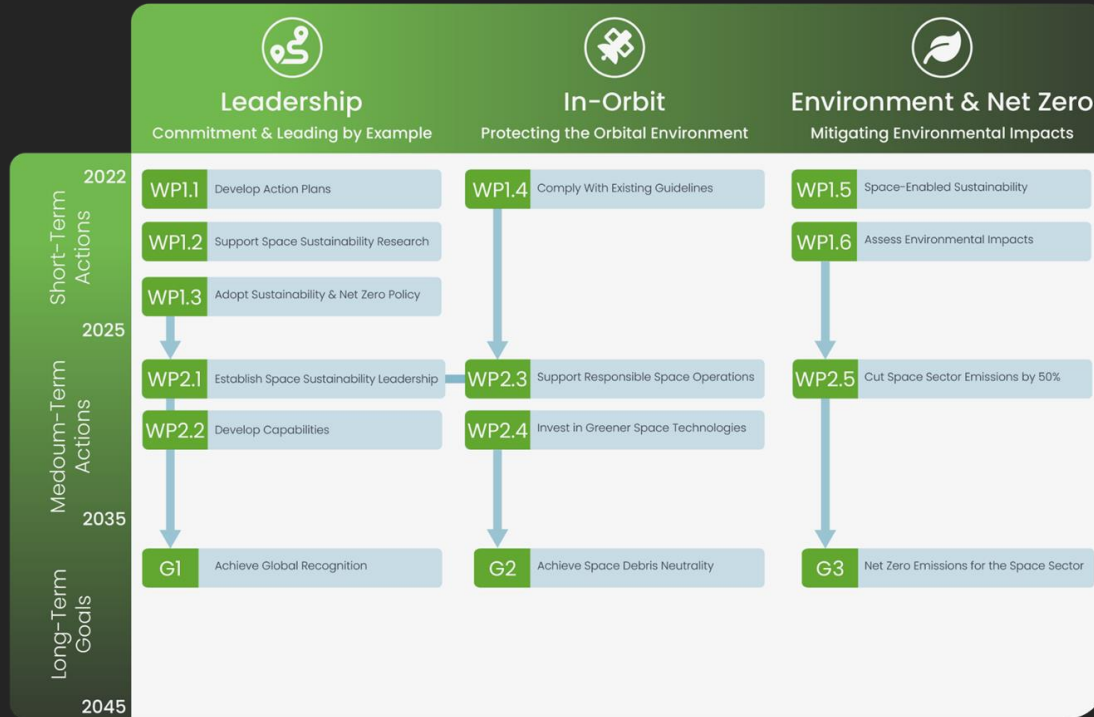
THE LONG-TERM SUSTAINABILITY OF SPACE ACTIVITIES (ON-GROUND AND IN-ORBIT) IS DEFINED AS THE ABILITY TO MAINTAIN AND IMPROVE THE CONDUCT OF SPACE ACTIVITIES INDEFINITELY INTO THE FUTURE IN A MANNER THAT ENSURES CONTINUED ACCESS TO THE BENEFITS OF THE EXPLORATION AND USE OF SPACE FOR PEACEFUL PURPOSES, IN ORDER TO MEET THE NEEDS OF THE PRESENT GENERATIONS WHILE PRESERVING BOTH THE EARTH AND THE OUTER SPACE ENVIRONMENT FOR FUTURE GENERATIONS. SPACE SUSTAINABILITY ALSO REQUIRES THE PROMOTION OF THE USE AND ENVIRONMENTAL BENEFITS OF SPACE DATA AND RECOGNISING THE NEED FOR LAUNCH AND IN-ORBIT ACTIVITIES TO BE CARRIED OUT IN A RESPONSIBLE AND SUSTAINABLE MANNER.



Key Findings

- Unique opportunity
- Complex mix of technical economic, and political challenges
- There is a lack of agreed-upon, widely adopted metrics and targets for space sustainability
- Space Sustainability Guidelines
- Need for structured guidance and funding
- Requires transparency and evidence
- Need to act now to preserve the space environment

A Roadmap for Scotland



Conclusions

- The roadmap is the **first of its kind globally**.
- Scotland has the opportunity to be a **pioneer in space sustainability**.
- The roadmap outlines the key actions and recommendations to **drive space sustainability** forward.
- Scotland has the foundations in place, but developing the roadmap is just the **first step** - to be leaders it needs to be innovative, fund and resource sustainable projects and encourage international collaboration and best practice.