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Models for Successfully Applying Space Technology Beyond Its Original Intent (2)

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SPACE ASSETS, TECHNOLOGY AND SERVICES IN SUPPORT OF ENERGY POLICY

Abstract

Space can be used as a tool by decision and policy makers in developing, implementing and monitoring various policy areas including resource management, environment, transport, security and energy. This paper focuses on the role of space for the energy policy. Firstly, the paper summarizes the European Union's main objectives in energy policy enclosed in the Energy Strategy 2020-2030-2050 and demonstrates how space assets can contribute to achieving those objectives. Secondly, the paper addresses how ESA has established multiple initiatives and programs that directly finance the development of space assets, technology and applications that deliver services in support of the EU energy policy and sector. These efforts should be continued and strengthened in order to overcome identified technological challenges. The use of space assets, technology and applications, can help achieve the energy policy objectives for the next decades.