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Space economy – Stimulating measurable economic activities through space policies and budgets (3)

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HOW DOES COMMERCIAL SPACE AFFECT INTERNATIONAL SPACE COOPERATION?

Abstract

As one of the three major sectors of space activities, commercial space has been greatly promoted which is now called “NewSpace” in US. Although satellite and specified space technologies can’t be sold out for many countries, commercial space is boosting some services (for example navigation service) affordable all around the world. Then it looks reasonable that the commercial space helps to improve international space cooperation. Firstly status quo of global commercial space is summarized in different areas including launch vehicle, satellite manufacturing, space services (broadcasting, satellite communication, Earth observation, navigation) and so on. And the characteristics of commercial space are summarized. Secondly, the motive of the commercial space development is analyzed in the point of internal and external. The internal motive consists of technologies and economy. The external motive includes market requirement, governmental policy and so on. Finally, the effect of commercial space on international space cooperation is analyzed. The commercial space is added to the existed four patterns of international space cooperation (coordination, augmentation, interdependence and integration). Then the effect of the commercial space is analyzed by the researching the changes of the existed four cooperative patterns with consideration of commercial space.