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MEASURING THE TRANSITION: GENERATION CHANGE IN INTERNATIONAL SPACE
INDUSTRIES AND CASE OF RUSSIA

Abstract

The paper discusses specifics of the behavioral and institutional changes underlying Space X.0 phenomena and emerging space markets' dynamics. The Old and New rocket and space industries are considered to be major communities that define the transitional nature of today's international space institutes. The Russian space industry case is analyzed, where the Old industry is associated with the strong government predomination along the space projects' lifecycle and continuing 'revolving door' effect, while the New industry is just emerging right now, primarily on account of the neighboring sectors' diversification.

The effort of metrics' set definition is further described allowing comparative analysis of the national space policies and institutions. It is shown that processes associated with the current Russian space industry restructuring strongly resembles those typical for the US space industry development back in early 1990's, both described well enough through the prism of space industry generations' change.

The institutions are briefly described further invented to compensate market deficits in the transitional space economics. The roles of the technological platforms and dedicated incubator-type SME support centers are discussed.

The key issues are finally identified that are critical for keeping the national space industry's competitiveness in today's world.