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The space economy: what are the socio-economic impacts? (3)

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FROM ASI DISTRETTO VIRTUALE PORTAL: 20 COMMENTED CASES OF "SPINOFFS" FROM SPACE TO NON SPACE BUSINESS LINES

Abstract

The Distretto Virtuale (D.V.)statistical working group is carrying out an extensive enquiry among all of its panel space firms to determine if there are and of what type they are, other inhouse non space business lines, which are directly depending on the firms' own space productions (in terms of technology transfer, expertise and organisational skills, etc.).

20 meaningful business cases will be selected for comments on the types of "spinoff" technologies and the figures (turnover, employment, etc.) they generate. This enquiry will widen the positive results that emerged from a test model carried out in 2014, and limited to spinoffs from hybrid space / aviation and software productions, in several non space fields: car sharing monitoring services, military and civil aeronautics equipments, hyperspectral and other sophysticated optical instruments and relative software, high resolution image treatment for medicine, telemetry for sports events and industrial plants, etc.

The work will describe the methodology applied to the analysis, the metrics and definitions applied to space and non space activities as well as to the measures of business and employment performance of these cases. The aim is to reach an extensive and thorough evaluation of the capacity, to be monitored periodically, of the italian space firms (namely the whole D.V. panel), to produce a first and closer layer of indirect "space economies", and observe the relationship, if any, of this phenomenon with the spinoff subsector involved, the productivity, size, RD propension and other characteristics of each firm. The work will also attemp to define the trend of this attitude and its correlation with the national Agency and ESA policies and budgets.

The work will finally clear up the connections and differences between this "first layer" analysis of indirect "space economy" and the subsequent layers which encompass any type of activity in any sector, which are directly depending on space.