

35th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND ECONOMICS (E3)
Economic analysis of both actual and potential future benefits from space activities and applications to
nations and peoples. (3)

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ECONOMY DIMENSION OF THE EXPECTED CISLUNAR CITY

Abstract

The era of the Humankind Expansion into the Space started already. The exploration action implemented for almost sixty years by NASA, Roscosmos, ESA and by an increasing number of national Space Agencies is highlighting the enormous fallbacks of space economy on the well-being on Earth. Though, its further evolution is tied to the development of private/commercial initiative, which will originate a commodity sector which we can name Made in Space. It is CNS opinion that symbolically 100 years later than “the first step of a person out of the Earth” the cislunar space will be lived by a permanent community distributed in different quarters (or districts): a true Cislunar City [1], which will also be an intermediate or starting spot for scientific missions to Mars and nearby asteroids. The development of the Cislunar City will require high comfortable habitat with areas for socialisation, physical activities, cultivation and food production, research laboratories and industrial activities which are necessary to make the city sustainable. To tackle this challenge, CNS launched a multicultural/multigenerational Orbitecture Working Group (WG) which involves scientists, technologists, architects, botanists, artists, sociologists, psychologists, etc., but also university and high school students. The economy of the Cislunar City represents the value created by the activities of research and development, extraction of raw materials, processing/transformation and production, manufacture, use, services (maintenance, repair, tourism, health, entertainment, etc.) and current life of the 1000-person permanent population. A highly reliable, low-cost space transport system is paramount for the development of the Cislunar City. The development of the Cislunar City will generate enormous economic benefits not only for its own development, but also to support and perhaps as a new guide for the development of the economy on Earth.