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SYMPOSIUM ON INTEGRATED APPLICATIONS (B5)
Integrated Applications End-to-End Solutions (2)

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LIFT TO SPACE: SPACE HAS NO LIMIT!

Abstract

Services and applications will increasingly drive future space technology developments. For telecommunication satellites, providing broadband Internet access globally has become the primary target of all new and future programmes, both in LEO and GEO. Lately, the need for port authorities, customs and shipping companies to securely identify and track ships across the oceans has led to the deployment of several AIS satellite payloads and dedicated constellations. More and more applications do not rely on telecommunication satellites only, but rather on a combination of different existing space infrastructures, including Earth Observation satellites and global navigation systems. They take a growing part in such domains as Education, Health, Natural Resources Management, Energy, Transport, Agriculture, Leisure, Safety and Environment. The secure integration of UAVs in the non-segregated air space is another new integrated application of space systems. To accelerate this transformation, ESA in partnership with private companies within its Member States, has undertaken a major effort to spin RD activities into operational, profitable and self-sustaining products and services which satisfy concrete customer's needs. In this presentation, we will describe these efforts in Europe and present some of the major achievements of the past years.