

31st IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND ECONOMICS (E3)  
Strategic Risk Management for successful space & defence programmes (6)

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HUMAN AND SOCIAL SCIENCES FOR THE RISKS PREVENTION IN SPACE PROGRAMMES

**Abstract**

It is necessary to innovate in the field of cyberdefence applied to Space programmes and to consider the strategic risks linked to their achievement. This essential adaptation is certainly based on the use of technologies, but also on human and social sciences, because spatial vital assets consists of material, hardware, information and, overall, precious and rare human beings. These sciences -numerical and spatio-anthropological in particular- are essential to secure Space projects. Human and social sciences are flexible and systemic sciences which can help to negotiate with technological sciences and engineering in a broad sens. They are essential and necessary for an interdisciplinary process in order to secure human assets in Space programmes and, above all, to ensure their cyberprotection because they will be widely hyper-connected with a great dependence on technologies. This paper will present the coming challenges for securing Space programmes and will also provide as an example, a defence test, a kind of "Space Hackaton" which could act as a very important exercise for the evaluation of security levels of connected artificial societies.