

SYMPOSIUM ON VISIONS AND STRATEGIES FOR THE FAR FUTURE (D4)
Novel Concepts and Technologies (1)

Author: Dr. Leopold Summerer
European Space Agency (ESA), The Netherlands, leopold.summerer@esa.int

THINKING TOMORROW

Abstract

This paper presents technological and conceptual visions beyond the traditional planning horizon of space agencies. It relies on the research and reflections within the larger advanced concepts research community created around ESA's Advanced Concepts Team (ACT) as well as the results of a two day workshop at the occasion of the 10 years anniversary of the ACT, itself focussed on re-thinking the future of space beyond the traditional thought boundaries of the space sector.

To this purpose it reviews visions and expectations formulated at the creation of the ACT, results obtained and fundamental changes that are expected to shape space activities and the space sector in a 10-15+ years time frame, while relating these to ongoing concrete research topics.