

55th IAA HISTORY OF ASTRONAUTICS SYMPOSIUM (E4)
History of Middle Eastern Contribution to Astronautics and Astronomy (3)

Author: Mr. Jamel Metmati
THALES Services, France, djamel.metmati@thalesgroup.com

THE MIDDLE EAST CONTRIBUTION TO MARS EXPERIMENTATION AND EXPLORATION :
THE UNITED ARAB EMIRATES SPACE INNOVATION

Abstract

The landing towards Mars and the Moon increases for few years through the probes technologies and the robotic science thanks to the autonomous platforms. To these features, Space agencies are able to explore planets out the landing point. To catch this goal, the United Arab Emirates has initiated a Space innovation based on the international cooperation in which the contribution of Mars experimentation and exploration are useful. Moreover, both of them provide the economic conditions of Space hub in the Middle East. With the National Space strategy 2030 and the Mars 2117 project, the Space innovation program improves the potentialities of Space industry to boost the discoveries in pushing away the frontier of knowledge. The Emirates United Arab territory is conducive to the New Space program, namely : close to the equator with the terrestrial condition next to that noticed on Mars, the desert offers the open-sky laboratory to study the way for the experimentation and exploration for Mars and the Moon increasing the Space culture, expertise and the benefit to the industry. At least, with the education, university, research centers, the infrastructure for Mars 2117 project puts the conditions of fine sand exploitation from desert as a key resource.