

# Rationalisation of the Solar System exploration

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## Abstract

Present attitude to space exploration is often a result of irrational political pressure. The better cooperation between space agencies could be beneficial for the space exploration and for national space programs.

### 1. Introduction

Current efforts of investigation of the Solar System are often the subject of irrational political pressures often resulting from nationalist motives. This causes huge scientific losses, but also, contrary to appearances, political losses.

For several years an example of a new approach to astronautics is SpaceX. Its success is not however an example of a unique genius approach. It is a result of simple application of common sense to the problem. Similar breakthroughs have been observed many times when a technology has become so mundane that a simple economic approach can be applied to it. An example of many years ago is Ford's approach to car production.

A similar way went SpaceX using a simple technology for space rockets. Merlin engines represented initially fairly average levels compared to technological miracles achieved by US or Russian space agencies. But the use of a relatively small uncomplicated engine proved to be one of the sources of the company's success. It allowed for their serial production which lowered their price and the price of the whole rocket.

The success of SpaceX in the development of space rockets still seems to be ignored by decision makers.

Similarly, the success of one space agency seems to be ignored by other agencies. Instead of buying technology, we see senseless independent attempts at repetition of technology.

The rationalization of space expenditures would allow a significant acceleration of the planetary research. I believe that with a small increase in spending by the space agencies with a decisive increase of cooperation, it is possible to achieve several Mars rovers (of the Curiosity range) on Mars, Titan or Enceladus.

