

UPGRADED PROGRAM OF RUSSIAN LUNAR LANDERS: STUDYING OF LUNAR POLES. I. G. Mitrofanov¹, L. M. Zelenyi¹ and V. I. Tret'yakov¹, ¹Institute for Space Research, Profsojuznaja 84/32, 117997 Moscow, Russia, imitrofa@space.ru.

The new program will be described of future Russian lunar landers. The main scientific goal of the program is studying of lunar South pole: volatiles in the regolith and polar exosphere. The main engineering goal is to develop the new space technology for lunar polar landing and surface operations.

The first lunar landing is scheduled on 2015, as part of the Luna-Glob project. The limited set of scientific instruments will be delivered to the Moon by this mission, which the primer goal is the testing of landing technology and surface operations. The next mission Luna-Resource will land on the Moon in 2017 with much larger payload. This mission will perform studies of lunar polar volatiles from the shallow subsurface.

Depending of results of these two landing missions, the third one of this sequence will be scheduled on 2019 or later for Lunar Polar Sample Return (LPSR).