

# AGREEMENT

between  
the Space Research Institute of the Russian Academy of Sciences  
and  
Istituto Nazionale di Astrofisica, Italy

on the joint experiment MicroMED as a part of the Dust Complex  
for investigation of airborne dust properties close to the Mars surface.

The Space Research Institute of the Russian Academy of Sciences, Russia (hereafter called IKI) and Istituto Nazionale di Astrofisica, Italy (hereafter called INAF), taking into account their mutual interests in space research cooperation agreed on the following:

## Article 1

IKI and INAF will perform the joint experiment MicroMED on investigation of airborne dust properties close to the Mars surface as part of the Dust Complex within «ExoMars-2» landing platform project, which are scheduled for launch in 2020. Dust complex, having in its composition the MicroMED unit, was included in the ExoMars landing platform payload as a result of the competition of submitted proposals.

## Article 2

IKI will undertake necessary efforts in integration of MicroMED with the Dust Complex and mounting of MicroMED on the ExoMars platform.

## Article 3

The funding for the agreed INAF contribution to MicroMED is granted by the Italian Space Agency (ASI) and is based on the resolution # xx of 4 April 2018 of the administrative board of Regione Campania, that approved the funding for the project MicroMED. INAF cannot be considered liable for shortage or unavailability of the aforementioned funding.

## Article 4

On the base of Article 3 INAF will undertake the necessary efforts in manufacturing and delivery to IKI following models of MicroMED: one Electrical Interface Simulator (EIS), one proto-flight model (PFM), one flight-spare model (FS) (in case of failure of PFM), one Electric Ground Support Equipment (EGSE) and requested documentation. The dates of deliveries of these models and support equipment and list of documentation will be agreed by additional documents.

IKI and INAF agree that MicroMED EIS shall be returned to INAF within one year from the end of operations on Mars. FS will be delivered only in case of failure of PFM. In that case, PFM shall be returned to INAF.

IKI will perform all test procedures of MicroMED as a part of the Dust Complex using the already completed Mass Model, Thermal Model and EIS models of MicroMED according to program of tests. INAF will perform functional and qualification tests and calibrations of the proto-flight and spare models.

List of tests at integrated level will be agreed by additional documents.

## Article 5

During the implementation of experiment in IKI, IKI will provide the science and auxiliary data returned from MicroMED to INAF as soon as possible.

#### Article 6

Both sides will guarantee the regular exchange of information concerning joint work. The meetings between representatives of both sides will be held in case of need.

The data acquired on Mars through all the sensors included in the Dust Complex will be shared by the INAF-IKI joint team.

Technical information and/or scientific results about Dust Complex to be reported in scientific publications or conference presentations by INAF shall be agreed with IKI. In the same way, information and data from MicroMED can be used by IKI upon agreement with INAF.

The public may be informed on the Dust Complex by each side, but only on its own part of the Dust Complex. The publication of the information on the other part of the project requires additional agreement with the other side.

#### Article 7

Each side will cover expenses associated directly with its part of the project, including the expenses for the delivery of the equipment (except any import taxes in its partner's country), which it is responsible for. Each side on its own will take efforts in getting the necessary funding from national resources for its activities.

#### Article 8

The joint documents will be in English and Russian.

#### Article 9

This Agreement comes into force since the day of its signing.

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of the Russian Academy of Sciences.**

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