**Memorandum of Understanding**

on the Co-operation in Scientific and Technical Areas

of Meteorology, Air Quality, and Related Matters

between the

 **Slovenian Environment Agency (ARSO)**

and the

# **Hungarian Meteorological Service (OMSZ)**

In order to improve the co-operation between ARSO and OMSZ (hereinafter: the Participants) in scientific and technical areas of meteorology, air quality and related matters, and taking into account principles and procedures of the World Meteorological Organization (WMO), both Participants declare their willingness to co-operate in the following fields:

**Paragraph 1**

Both Participants intend to conduct, according to their needs and possibilities and in the hope of mutual benefit, co-operation activities in the field of atmospheric science and technology on the basis of equity and reciprocity.

**Paragraph 2**

Both Participants intend to exchange especially the following meteorological data and information on a regular basis:

* Automated weather station data
* Weather radar data
* Climate data
* Weather warnings

ARSO is hereby authorized to use the data provided by OMSZ on a non-exclusive basis for purposes of official duty and scientific research only, provided that the source of the data is indicated as “source: OMSZ”.

OMSZ is hereby authorized to use the data provided by ARSO on a non-exclusive basis for purposes of official duty and scientific research only. In addition, publicly available data at [www.vreme.si](file:///C%3A%5CUsers%5Clabo_e%5CAppData%5CLocal%5CTemp%5Cwww.vreme.si) or any other official ARSO web page are available to OMSZ for any use or re-use, provided that the source of the data is indicated as “source: ARSO METEO”.

The exchanged data and information for official duty and scientific research will not be passed on, neither products based on them delivered to any commercial costumer without prior written consent of the other participant.

All intellectual property rights of data will be and remain the property of the originator.

**Paragraph 3**

The Participants jointly decided to explore possibilities for expanded cooperation, including exchange of knowledge, common projects and bilateral meetings of experts, in the following areas:

* Aviation meteorology
* Numerical weather prediction
* Climate monitoring and climate change prediction
* In situ and remote-sensing measuring techniques and calibration of equipment
* Air quality monitoring, modeling and forecasting
* Emission inventories
* Greenhouse gas measurements

**Paragraph 4**

The Participants have decided to set up expert groups in the following areas:

* Automated weather stations data exchange
* Weather radar data exchange
* Climate data exchange
* Weather warnings exchange
* Aviation meteorology
* Air quality

Additional expert groups could be established in case of mutual arrangement.

**Paragraph 5**

Technical details on the exchange of data (Paragraph 2), cooperation in accepted scientific areas (Paragraph 3), constitution of expert groups (Paragraph 4) as well as any other relevant technical details related to this Memorandum of Understanding (hereinafter: MoU) will be defined in a Technical memorandum that can be changed according to the needs and availability of data at any time. The Technical memorandum and its changes must be approved by both sides in writing.

**Paragraph 6**

The responsibility for each task or activity, and the conditions under which it will take place, including the payment of costs, will be decided upon mutual arrangement on the basis of equity and mutual benefit. If no special arrangement on the costs has been decided, each participant will bear its own costs.

**Paragraph 7**

The heads of the Participants will decide on the general scope of activity or project that will be initiated, and monitor its implementation. This will be done by correspondence or, if necessary, in a meeting of the heads of the Participants or their designated representatives.

**Paragraph 8**

Any dispute, controversy or claim, arising out of or relating to the interpretation, application or performance of this MoU including its existence, validity or termination, will be settled by the heads of the Participants in a consensual way.

**Paragraph 9**

This MoU is concluded for an undetermined period of time and will come into effect upon its signature of both Participants. Both Participants may terminate this MoU at the end of each calendar year provided three months prior notice of the termination has been given in writing.

Either participant will be entitled, without prejudice to any other benefits and remedies, to terminate this MoU without notice in the event the other participant fails to observe its undertakings under this MoU.

The MoU may be amended by mutual approval of both Participants in writing.

Budapest, 1st December 2017 Budapest, 1st December 2017

Signed Signed

for the Slovenian Environment Agency for the Hungarian Meteorological Service

by by

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Klemen Bergant, PhD Kornélia Radics, PhD

Director of Meteorology and Hydrology Office President

Authorized by Mr. Joško Knez

ARSO Director General, No. ????-??/2017