

Croatian Report
for the 10th WMO/UNEP Ozone Research Managers Meeting
Geneva, 28-30 March 2017

1. OBSERVATIONAL ACTIVITIES

1.3 UV measurements

(e.g., broadband, narrowband, Spectroradiometers, etc)

UV-B measurements have been established at main meteorological mountain site Parg since November 2011, and at main meteorological station GMP Zagreb – Maksimir since March 2014.

1.4 Calibration activities

Last calibration of instruments took place in 2015, Innsbruck, Austria. Recommended control of sensitivity of instruments is performed every second year.

2. RESULTS FROM OBSERVATIONS AND ANALYSIS

(e.g., trend analyses, UV doses (annual, monthly etc.), UV maps)

Not yet. In preparation.

3. THEORY, MODELLING, AND OTHER OZONE RELATED RESEARCH

(e.g., 3-D CTM modelling, data assimilation, use of satellite data, UV effect studies)

Not yet. In preparation.

4. DISSEMINATION OF RESULTS

4.2 Information to the public

Forecasts of UV index are issued daily (with special attention during summer periods) and in connection with regular weather forecast provided for TV and radio broadcasting. Forecasts of UV index are also available at the web page of Meteorological and Hydrological service:

<http://vrijeme.hr/aktpod.php?id=uvi¶m=&code=opis>

7. FUTURE PLANS

(e.g., new stations, upcoming projects, instrument development)

Within the project of modernisation of national meteorological infrastructure (METMONIC, 2019-2021) the new network of 20 UV-B measurement sites will be built. In addition, two Brewer instruments for column measurements of ozone will be purchased and installed within the same project.

8. NEEDS AND RECOMMENDATIONS

Severe financial restrictions since 2008 have limited developments in this area with respect to both, infrastructure upgrade and human resources. We expect this situation will be improved in the forthcoming years.