

**WMO/CIMO Radar Quality Control and  
Quantitative Precipitation Estimation Intercomparison (RQOI)**

**QUESTIONNAIRE**

**Introduction**

The Radar QC QPE Inter-comparison (RQOI) project is described in the project plan which is available on the WMO website at:

<http://www.wmo.int/pages/prog/www/IMOP/reports.html>

An updated version will soon be available at:

<http://www.wmo.int/pages/prog/www/IMOP/intercomparisons.html>

This questionnaire is intended to identify potential participants in the RQOI project and to gather information regarding the nature of that participation. You are requested to complete this questionnaire and return it to the WMO Secretariat, to the attention of Dr Roger Atkinson ([ratkinson@wmo.int](mailto:ratkinson@wmo.int)) with a copy to Dr Paul Joe, Chairman of the IOC-RQOI, ([paul.joe@ec.gc.ca](mailto:paul.joe@ec.gc.ca)), by 15 December 2011. Follow up (in weeks) with further detail as requested will be acceptable. There are two ways to participate in this project:

- Data Provider
- Data Processor - Algorithm

On receipt of your completed questionnaire, the International Organizing Committee (IOC)-RQOI will contact you to obtain further information if required. Selection of participants in RQOI will be based on completeness of the information provided and the diverse but also pragmatic requirements of the project.

**General Questions**

<i>Identification of Respondent/Contact Person for RQOI Participation:</i>	
Name:	
Organization:	
Email:	

<i>Are you interested in participating in RQOI?</i>	
<input type="checkbox"/>	Yes (continue with the survey)
<input type="checkbox"/>	No (skip the rest of the survey)
<input type="checkbox"/>	Possibly, I need more information (please provide questions at the end of the survey)
<input type="checkbox"/>	I am only interested in the final report (skip the rest of the survey)

<i>I am interested in participating in RQOI in the following roles</i> (Check those boxes that apply and continue on in the survey):	
<input type="checkbox"/>	Data Provider
<input type="checkbox"/>	Data Processor - Algorithm

**Data Provider Question:**

If you indicated that you would participate as a **Data Provider**, please read and complete this section. Otherwise, skip to the **Data Processor** section below.

The objective of RQOI is to quantitatively evaluate various algorithms that improve the quality of the radar data for QPE, NWP and Nowcasting in a wide variety of environments (geographical, meteorological, electronic and scan strategies) using criteria of spatial continuity or smoothness (see project plan). This requires the processing of "raw data" to produce "processed data". Depending on the meteorological environment, the "raw" data set length is variable. For example, very short data sets (~1 hour) can be used for analysis of widespread precipitation events and very long data sets (1 or more seasons) are needed for analysis of convective weather events. This first Intercomparison will focus on the removal of ground clutter, anomalous propagation, electromagnetic interference, target classification and partial blockage (see project plan).

<input type="checkbox"/>	I will provide a short description of the radar hardware and provide a more detailed description in a separate document. - Short Description:
<input type="checkbox"/>	I will provide a short description of the radar configuration, particularly the signal and data processing already performed to generate the "raw data". I will provide a more detailed description in a separate document. - Short Description:
<input type="checkbox"/>	I have a challenging case and I am providing a short description of the case. - Short Description:
<input type="checkbox"/>	I have several good cases and these are described in a separate document that I will attach or submit shortly.
<input type="checkbox"/>	My data is or can be provided in ODIM_H5 (EUMETNET OPERA HDF5) HDF5 format.
<input type="checkbox"/>	My data will be provided in the following format: Radar Format: <input type="checkbox"/> I can provide a description of the radar format.
<input type="checkbox"/>	I can provide synthetic or simulated radar data for this and will describe this in a separate document.

**Data Processor Participant**

If you indicated that you would participate as a **Data Processor**, please read and complete this section of the survey.

<input type="checkbox"/>	I attach or will submit the following document(s) to describe the data processing system or algorithm(s):
<input type="checkbox"/>	I can or will be able to process data in ODIM_H5 (EUMETNET OPERA HDF5) format.
<input type="checkbox"/>	I can process many other formats including: Formats that I can process:
<input type="checkbox"/>	My data processing system requires the following conditions or ancillary data: Requirements:

**Any Additional Comments or Questions that you may have:**
