



World Meteorological Organization
Organisation météorologique mondiale

Secrétariat

7 bis, avenue de la Paix – Case postale 2300 – CH 1211 Genève 2 – Suisse

Tél.: +41 (0) 22 730 81 11 – Fax: +41 (0) 22 730 81 81

wmo@wmo.int – www.wmo.int

Weather • Climate • Water
Temps • Climat • Eau

Our ref.: CLPA/AGM/NPR/15

GENEVA, 10 February 2015

Annex: 1 (available in English only)

Subject: National Reports on Progress made in Agricultural Meteorology (2010-2014) for the Commission for Agricultural Meteorology (CAgM)

Action required: Questionnaire to be completed and submitted to the WMO Secretariat by **30 April 2015**

Dear Sir/Madam,

At the sixteenth session of the CAgM held in Antalya, Turkey from 10 to 15 April 2014, the Commission approved Recommendation 2 (CAgM-16) on National Progress Reports made in Agricultural Meteorology which recommended that Members submit their responses to a questionnaire for inclusion in the comprehensive database on agricultural meteorology being compiled by the WMO Secretariat.

The Commission was of the view that national reports on progress made in agricultural meteorology were useful and provided valuable information on the status of agrometeorological observation networks, on the nature of agrometeorological and agroclimatological research undertaken, on the means and methods of agrometeorological services, and on publications.

In order to facilitate the preparation of national reports on progress made by Members during 2010-2014, the WMO Secretariat has prepared a questionnaire, a copy of which is enclosed. This questionnaire is also available on the WMO homepage at:

<http://www.wmo.int/pages/prog/wcp/agm/documents/questionnaire.doc>

Members with reliable Internet access are encouraged to directly download the questionnaire from the WMO homepage and return it via e-mail to agm@wmo.int by **30 April 2015**. However, Members who have problems downloading the questionnaire from the Internet are requested to send the hard copy of the completed Questionnaire, to the WMO Secretariat by the same date.

To: Permanent Representatives (or Directors of Meteorological or Hydrometeorological Services) of Members of WMO (PR-6820)

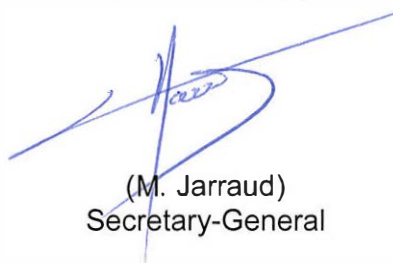
cc: Presidents and vice-presidents of technical commissions (for information)

Based on previous recommendations of the Commission, a comprehensive Database of Member's responses to previous questionnaires for 2002-2005 and 2006-2009 has been compiled by the WMO Secretariat and is accessible through the WMO homepage accessed through the following web page:

http://www.wmo.int/pages/prog/wcp/agm/progress_reports/index_en.php

I would like to thank you for your support of Commission activities and look forward to your responses to the questionnaire.

Yours faithfully,

A handwritten signature in blue ink, appearing to be 'M. Jarraud', is written over a horizontal line. The signature is stylized with a large loop and a long horizontal stroke extending to the right.

(M. Jarraud)
Secretary-General

WORLD METEOROLOGICAL ORGANIZATION

Agricultural Meteorology Database

National Progress Reports Made during 2010-2014

Part 1 - Organization

1.1 Number of institutions engaged in Agrometeorology related-work in your country:

--

1.2 Resources and Facilities (please provide total number)

a. Approximate no. of persons in Agricultural Meteorology	
- Total Number of Staff	
b. Facilities available to Agricultural Meteorology Division	
- Geographic Information Systems (GIS)	
- Remote Sensing and Image Analysis	

1.3 Training and Education

Training and Education of current Agricultural Meteorology personnel	
- No of persons who received advanced degrees (M.Sc, Ph.D)	
- No of persons who attended seminars, workshop (1-2 weeks) and/or training courses	

Part 2 - Agrometeorological Observations

	Current Number
Total number of stations in the network of agrometeorological observations	
- Number of automatic weather stations in use	

Part 3 - Agrometeorological Services for Agriculture

3.1 Service structure (Indicate where agrometeorological services are located in your country)

	Yes	No
Is the agrometeorological service constituted as a separate unit?		
Is the agrometeorological service at national headquarters only?		
Are there agrometeorological services at sub-national or regional level?		



World
Meteorological
Organization
Weather • Climate • Water

WORLD METEOROLOGICAL ORGANIZATION

Agricultural Meteorology Database

3.2 Please list the agrometeorological products and services for agriculture provided by your service:

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____
- f) _____
- g) _____
- h) _____
- i) _____
- j) _____

3.3 Types and forms of service provided by the agrometeorology unit

	Yes	No
Print: Advisories, Bulletins and/or Brochures		
Press releases		
Workshops and seminars		
Media interaction (routinely/in person) with Radio, TV, electronic and/or newspaper		
Interactions with farmers and/or farmer groups		

3.4 Agrometeorological Information on the Internet

	Yes	No
Does your service have an Internet web page?		

If yes, please give the internet address below:

Web address:

Specify the agrometeorological products that are posted on your website:



World
Meteorological
Organization
Weather • Climate • Water

WORLD METEOROLOGICAL ORGANIZATION

Agricultural Meteorology Database

3.5 Collaboration with other organizations (including important achievements)

a. Please list the names of the governmental ministries/institutions that your service collaborated with during 2010-2013.

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____

b. Please list the names of the non-governmental organization (NGOs) that your service collaborated with during 2010-2013.

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____

3.6 Awareness and training events conducted with

	Yes	No
Cooperatively with other Ministry or Sector		
Cooperatively with other Universities		
Cooperatively with NGO		

Part 4 - Socio-Economic Benefits

Please list any case studies demonstrating the socio-economic benefits of your agrometeorological service.

WORLD METEOROLOGICAL ORGANIZATION

Agricultural Meteorology Database

Part 5 - Agrometeorological Research

Please indicate the agrometeorological research conducted in your service:		Yes	No
4.1	Influence of meteorological factors on the growth, development, yield and quality of agricultural crops.		
4.2	Development of methods for agrometeorological forecasting and assessment of present condition		
4.3	Linkage between agrometeorological models and atmospheric forecast and general circulation models.		
4.4	Development of applications using seasonal to interannual predictions		
4.5	Macroclimatic, mesoclimatic and microclimatic research.		
4.6	Influence of meteorological factors on livestock husbandry		
4.7	Influence of meteorological and climatological factors on inland coastal and marine fisheries.		
4.8	Protection of plants and livestock against adverse weather.		
4.9	Agrometeorological conditions for the development of crop and livestock pests and diseases		
4.10	Research on the impact of agricultural activities that possibly influence weather and climate at local, national, and global levels.		
4.11	Research on remote-sensing application in agrometeorology.		
4.12	Research into agrometeorological aspects of drought and desertification.		
4.13	Research on potential impacts of climate change/variability on national agriculture, rangelands, forestry, and fisheries.		
4.14	Research on mitigation and adaptation strategies due to impacts of climate change/variability and natural disasters in agriculture.		
4.15	Research on the impact of natural disasters on agriculture, rangelands, forestry, and fisheries.		
4.16	Research on fire weather agrometeorology.		

WORLD METEOROLOGICAL ORGANIZATION

Agricultural Meteorology Database

Part 6 - Models

Information on practical crop-yield models, irrigation, disease/pest model, etc. (even if they are in the initial stages of development)

Please list up to six most-used models in your service:

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____
- f) _____

Part 7 – Drought Indices

Please list the five most-used drought indices in your service.

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____

Part 8 -- National Drought Policy

	Yes	No
Has your country implemented a national drought policy?		
Has your country developed any drought-related plans?		

If yes to either question, please provide information on when the policy or plan was approved with any web links to online documents.

Part 9 – Societies

Please list any agricultural meteorology societies active in your country.

WORLD METEOROLOGICAL ORGANIZATION

Agricultural Meteorology Database

Part 10 - Bibliography

Please provide a short bibliography of relevant papers/reports published by your service.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

(Add additional pages, if needed)

Please send the completed questionnaire by e-mail to:
agm@wmo.int

or mail the hard copy to the WMO Secretariat:
7 bis, avenue de la Paix
Case postale No. 2300
CH-1211 GENEVA 2
Switzerland