



World Meteorological Organization
Organisation météorologique mondiale

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جنيف، 9 كانون الثاني/يناير 2012

الرسالة رقم: ETR/CRS-212

عدد المرفقات: 2 (متوافران بالإنكليزية فقط)

الموضوع: دورة تدريبية دولية بشأن تشغيل رادارات الطقس واستخدام البيانات، في الفترة 4-17 آذار/مارس 2012، سيول، جمهورية كوريا

الإجراء المطلوب: للعلم واتخاذ الإجراء الملزم حسب الاقتضاء

تحية طيبة وبعد،

يسعدني أن أبلغكم أن هيئة الأرصاد الجوية الكورية (KMA) ستستضيف دورة تدريبية دولية بشأن تشغيل رادارات الطقس واستخدام البيانات الناجمة عنها، في الفترة 4-17 آذار/مارس 2012، في مقرها بسيول، جمهورية كوريا، بمشاركة 18 فرداً من المرافق الوطنية للأرصاد الجوية والهيدرولوجيا (NMHSs) في الاتحاد الإقليمي الأول (أفريقيا) والاتحاد الإقليمي الثاني (آسيا) للمنظمة (WMO).

وترمي الدورة التدريبية إلى تحسين القدرات البشرية فيما يتعلق بالتنبؤ بالطقس القاسي وإصدار إنذارات بشأنه باستخدام رادارات الطقس الموجودة في المرافق الوطنية (NMHSs)، لا سيما في البلدان النامية وأقل البلدان نمواً. والدورة التدريبية معدة لكل من أخصائي الأرصاد الجوية والفنيين/المهندسين المشاركين في بدء العمل برادارات الطقس وتشغيلها، وتطبيق النواتج في التنبؤات بالطقس. وستتضمن الدورة التدريبية محاضرات ودراسات حالة عن أساليب رصد وتشغيل رادارات الطقس؛ وشراء رادارات الطقس وتجهيزها للعمل؛ وإنتاج بيانات رادارات الطقس وتحليلها وتطبيقاتها؛ وزيارات موقعية؛ وكيفية اتخاذ الإجراءات من أجل التخطيط للأنشطة لصالح الأعضاء المشاركين. ومرفق طي هذه الرسالة معلومات عن الدورة (المرفق الأول) واستمارة ترشيح المشاركين (المرفق الثاني).

ويرجى من المرشحين المهتمين استيفاء "استمارة الترشيح" المرفقة (المرفق الثاني)، مع اعتمادها من قبل الممثل الدائم للبلد المعني لدى المنظمة (WMO)، وإرسالها مباشرة إلى هيئة الأرصاد الجوية الكورية (KMA)، بالفاكس على الرقم: +82 2 846 9854 أو بالبريد الإلكتروني: sunghwa@kma.go.kr في أقرب وقت ممكن، على ألا يتجاوز ذلك 20 كانون الثاني/يناير 2012.

وتفضلوا بقبول فائق الاحترام،

(م. جارو)
الأمين العام

إلى: الممثلين الدائمين لأعضاء الاتحاد الإقليمي الأول (AFR-764)
الممثلين الدائمين لأعضاء الاتحاد الإقليمي الثاني (ASE-605)

WORLD METEOROLOGICAL ORGANIZATION

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ETR/CRS-212, ANNEX-I

International Training Course on Weather Radar Operation and Data Utilization
4-17 March 2012
Korea Meteorological Administration
Seoul, Republic of Korea

COURSE INFORMATION

Dates and Venue

The training course will be held on 4-17 March 2012 at the Korea Meteorological Administration (KMA) headquarters located in Seoul, Republic of Korea (website: <http://web.kma.go.kr/eng/index.jsp>).

Number of Participants

18 participants from NHMSs of the WMO RA I (Africa) and II (Asia).

Language

The course will be conducted in English.

Purpose and Objectives

The purpose of the course is to enhance human capabilities for weather radar services at NHMSs, in particular of the developing countries and least developed countries (LDCs) in line with their national WIGOS implementation.

Through the course, participants will acquire knowledge about 1) weather radar theories, 2) weather radar hardware and software for applications, and 3) lessons and best practices on introducing weather radar(s) and establishing the weather radar network.

Contents

The course is designed for both technicians/engineers and meteorologists who are

involved in introducing and operating weather radar, and applying products to weather forecasts, consisting of the following five modules:

Module I: Weather Radar Observation and Operation Techniques

- Weather radar basics
- Establishment of weather radar network
- Weather radar operation and maintenance
- On-site practice of weather radar operation

Module II: Weather Radar Purchase and Set-up

- Procedures of purchasing weather radar
- Procedures of weather radar set-up and things to be considered

Module III: Weather Radar Data Production and Analysis

- Characteristics of weather radar raw data and flow of production
- Methods of utilizing weather radar data
- Principles of basic data analysis and utilization
- Weather radar data analysis methods
- Case studies of weather radar analysis

Module IV: Weather Radar Data Applications

- Weather radar data application algorithms
- Dual polarization radar

Module V: Action Learning

- Country reports
- Action planning to improve radar observation and its applications

Qualification of Participants

The following criteria should be considered in selecting candidate(s):

- *Education Level:*
Meteorologist, meteorological technician, hydrologist, or hydrological technician (WMO classification of personnel)
- *Position/Task:*
Responsible for radar maintenance, operation, or analysis

- *Experience:*
At least 3 years of relevant working experiences
- *Language:*
To be proficient in English (If English is not the mother tongue, certificate of proficiency in English is requested.)

Deadline for Nominations

The completed nomination form with the signature of the PR of the relevant WMO Member should be returned to KMA with a copy for the WMO Secretariat **no later than 20 January 2012.**

Country Report

Final participants should submit their country report on general and radar services of their NMHS in MS PowerPoint or Word to sunghwa@kma.go.kr by 17 February 2012.

Financial Support

It is requested that governments consider contributing to the expenses related to the participation of their respective nominees, in particular the cost of air tickets. However, if this is not possible, requests for financial assistance can be indicated on the participants nomination form, and these will be considered within the limited funds available for the course.

Insurance

Participants will be provided with travel insurance for the period of the stay in the Republic of Korea with a minimal range of coverage, and accept limited responsibility for the event that the insurance covers.

Entry Requirements

Foreigners wishing to enter the Republic of Korea should hold valid passports. Most visitors with confirmed round-trip tickets may stay for 15 days without a visa, although this does not apply to certain nationalities. Any visitors from countries with no diplomatic relations or no special visa exemption arrangements with the Republic of Korea should obtain an entry visa before entering the country. *When uncertain as*

to entry visa requirements for the Republic of Korea, please contact your local Embassy or Consulate as soon as possible. For more information, please visit the website of the Ministry of Foreign Affairs and Trade of the Republic of Korea at <http://www.mofat.go.kr/english/visa/apply/index.jsp>.

Local Climate

Climate data for the first ten days (1) and the second ten days (2) of March in Seoul are listed below:

	(1)	(2)
Mean precipitation	15.7mm	12.4mm
Mean humidity	62.2%	61.2%
Mean temperature	3.1°C	5.2°C
Mean min. temp.	-0.8°C	1.1°C
Mean max. temp.	7.9°C	10.3°C

Contact

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HRD Division
Korea Meteorological Administration
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ETR/CRS-212, ANNEX-II

International Training Course on Weather Radar Operation and Data Utilization
4-17 March 2012
Korea Meteorological Administration
Seoul, Republic of Korea

PARTICIPANT NOMINATION FORM

The Government of _____ nominates the following candidate as a participant in the above mentioned training course:

1. Family Name:
2. First Name:
3. Middle Name:
4. Gender: ☐ Male ☐ Female
5. Date of Birth:
6. Nationality:
7. Passport Number and Place and Date of Issue:
.....
8. Passport Expiry Date:
9. Organization:
10. Address of Organization:
.....
Tel.: Fax:
E-mail:
11. Education and Profession:
.....
.....
12. Present Position and Brief Description of Duties:
.....
.....
.....
13. Native Language*:

** In case English is not the nominee's mother tongue, please attach certificate of proficiency in English, such as TOEIC and TOEFL (recommendation).*

14. We have operational weather radar(s): ☐ YES ☐ NO
 (If YES) Number of operational weather radars:
 (If NO) We have a plan to introduce a weather radar in the near future:
☐ YES (Target Year:) ☐ NO
15. The nominee has experiences on:
- Introduction of weather radar
☐ YES (how many times:) ☐ NO
 - Operation of weather radar
☐ YES (how many years:) ☐ NO
 - Analysis of weather radar products
☐ YES (how many years:) ☐ NO
16. What do you wish to achieve by having your candidate participate in this course?

17. We request financial assistance: ☐ YES ☐ NO
- Air Ticket: ☐ YES ☐ NO
 - Daily Subsistence Allowance: ☐ YES ☐ NO
18. Name, address and phone number of a person to be notified in case of emergency:

19. Name and Signature of Permanent Representative:

20. Date:

Please complete and return this form no later than 20 January 2012 to:

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 HRD Division
 Korea Meteorological Administration
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