



World Meteorological Organization
Organisation météorologique mondiale

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جنيف، 18 تموز/ يوليو 2012

الرسالة رقم: ETR/CRS-1212

عدد المرفقات: 2 (متوافران بالإنكليزية فقط)

الموضوع: الدورة التدريبية الدولية السادسة بشأن "الاتصالات في مجال الأرصاد الجوية ونظام معلومات المنظمة (WIS)" في الفترة من 1 إلى 6 تشرين الأول/ أكتوبر 2012، أنطاليا، تركيا

الإجراء المطلوب: للعلم واتخاذ الإجراء الملائم، حسب الاقتضاء

تحية طيبة وبعد،

يسرني أن أبلغكم أن جمهورية تركيا ستستضيف الدورة التدريبية الدولية السادسة بشأن "الاتصالات في مجال الأرصاد الجوية ونظام معلومات المنظمة (WIS)" في الفترة من 1 إلى 6 تشرين الأول/ أكتوبر 2012 في أنطاليا، تركيا.

والغرض من هذه الدورة هو تزويد المشاركين بالمعارف الخاصة بالجوانب الرئيسية لنظام معلومات المنظمة (WIS) وتطبيقاته، وبياناته الشرحية، وكذلك الانتقال من نماذج الشفرات الجدولية إلى النموذج العالمي الثنائي لتمثيل بيانات الأرصاد الجوية (BUFR). والهدف الرئيسي لهذه الدورة هو تبصير المشاركين بالتطبيقات الحالية وتزويدهم بالمعلومات المفيدة التي من الممكن تطبيقها في مرافقهم. وستدار الدورة التدريبية بالإنكليزية.

وسيعفي المرفق الحكومي التركي للأرصاد الجوية (TSMS) المشاركين من رسوم التدريب، كما سيتحمل المرفق (TSMS) جميع نفقات المأكل والإقامة، بما في ذلك المبيت، ووجبات الإفطار والغداء والعشاء، والانتقال المحلي من مطار أنطاليا وإليه، وذلك لمشارك واحد فقط مقبول من كل بلد. ويتحمل المشاركون أنفسهم أو حكوماتهم تكاليف السفر الدولي، بما في ذلك تكلفة بطاقات السفر ذهاباً وإياباً ومصاريف العبور (الترانزيت). ومرفق طيه "معلومات عن الدورة" (المرفق الأول) و"استمارة ترشيح المشاركين" (المرفق الثاني).

ويرجى من المشاركين المرشحين استيفاء استمارة ترشيح المشاركين المرفقة، والتي ينبغي أن يصدق عليها الممثل الدائم لبلدهم، وإعادتها مباشرة إلى عنوان مركز التدريب الإقليمي التركي على ألا يتجاوز ذلك 3 أيلول/ سبتمبر 2012.

وتفضلوا بقبول فائق الاحترام،

(إ. ماناينكوفا)

عن الأمين العام

إلى: الممثلين الدائمين لأعضاء الاتحاد الإقليمي الأول (AFR-766)
الممثلين الدائمين لأعضاء الاتحاد الإقليمي الثاني (ASE-610)
الممثلين الدائمين لأعضاء الاتحاد الإقليمي السادس (EUR-722)

صورة إلى: المستشارين الهيدرولوجيين للممثلين الدائمين

WMO RTC-TURKEY
The 6th International Training Course on Meteorological Telecommunication and WMO
Information System
1-6 October 2012
Antalya, TURKEY

COURSE INFORMATION

1. Course Aims

In meteorology, the accuracy of data and the rapidness of data transfer have a vital importance. In this context, telecommunication quality and technological development on communication techniques have a very important role for meteorological organizations. In parallel with the technological development, the meteorological data format and the IT infrastructures of NMHSs have been improving. Training activities have a very important role for adapting these changes and updates. This course is designed to provide participants with knowledge on main aspects of WMO Information System (WIS), WIS applications and metadata as well as the Migration to Table Driven Code Forms and BUFR. The main objective of this course is to enlighten the participants on current applications and providing useful information which will be possible to perform at their Services.

2. Course Content

The programme of the course will be composed of modules, and the main topics of the course are listed below. The lectures will be followed by the individual presentations.

- WMO Information System (WIS)
- WIS applications, DAR Metadata
- Open source data dissemination tool
- Migration to Table Driven Code Forms (MTDCF)
- Turkish State Meteorological Service: A specialized software for communication and meteorological applications (METCAP)
- Participants' Presentations (Optional)¹

Detailed course programme will be sent to the accepted participants in due time.

3. Instructors

Dr Eva CERVENA - Chair of Task Team on Migration to Table Driven Code Forms, Mr Markus HEENE - WIS Project Manager of DWD, an Expert from WMO, and Experts from the Turkish State Meteorological Service.

4. Course Dates and Venue

1-6 October 2012, Antalya, Turkey. The course will be conducted at an hotel in the Antalya region. The participants will be informed about the exact venue in due time. Due to the facilities at the hotel, probably no PCs would be available for the participants. It is strongly recommended to the participants to bring their portable computers.

5. Course Language

The course will be conducted in English.

¹ The presentations will be in MS PowerPoint format and each presentation will not exceed the period of 15 minutes.

6. **Qualification of Participants**

This course is designed for the meteorological experts who have the considerable experience and qualifications on Meteorological Telecommunication System and Meteorological Data Formats. Fluency in English is essential. The candidates should be aware of Migration to Table Driven Code Forms and the national migration plans should be ready to present along the course period.

7. **Deadline for Nominations**

The course is limited to 20 participants. Interested candidates are requested to complete the attached Nomination form (Annex II) and return it to the Turkish State Meteorological Service with a copy to the WMO Secretariat no later than **3 September 2012**.

8. **Payment of Registration or Tuition Fees**

Tuition fees will be waived and all administrative expenses of the course will be covered by Turkish State Meteorological Service (TSMS).

9. **Air fare Costs**

The international travel expenses between Antalya, Turkey and the home town of participants will have to be borne by the recipient Members or by other means. Please note that there will be no travel support by TSMS.

10. **Local Transfers**

All local transfers between Antalya Airport and the Course Venue will be provided by WMO RTC-Turkey at no cost.

11. **Accommodation and Food**

WMO RMTC-Turkey will provide **full board** accommodation, including **room, breakfast, lunch, dinner, and coffee breaks** for one participant from each country. Please note that there will be no per diem allowance payable for the participants.

12. **Cultural Programme**

An excursion programme including the natural, historical and cultural heritage of Antalya will be organized for participants on 6 October 2012.

13. **Insurance**

Participants are fully responsible for any expenses in the event of death, illness or injury attributable to the attendance at course, and for arranging for such life, health and other form of insurance as they consider appropriate. The participants are highly recommended to make a travel insurance which covers their travel and visit period. TSMS accepts no responsibility for compensation in such events.

14. **Climate Data for the Period of the Course**

Climate data for Antalya during October are given below:

Mean precipitation	: 74.8mm
Mean humidity	: 56%
Mean temperature	: 19.8 C°
Mean maximum temperature	: 26.7 C°
Mean minimum temperature	: 14.9 C°
Mean sea-water temperature	: 24.0 C°

15. Contacts

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**The 6th International Training Course on
Meteorological Telecommunication, WIS and TDCF
(1-6 October 2012, Antalya, Turkey)**

DRAFT TIMETABLE

DAY	HOUR	SUBJECT	LECTURER
Monday (1.10.2012)	09:00	REGISTRATION and OPENING CEREMONY	
	10:00-10:45	GTS in General	TSMS
		Coffee Break	
	11:00-11:45	GTS in General	TSMS
		Lunch	
	13:00-13:45	WMO Information System	Expert from WMO
		Coffee Break	
	14:00-14:45	WMO Information System	Expert from WMO
		Coffee Break	
	15:00-15:45	Meteorological Telecommunication	TSMS
		Coffee Break	
	16:00-16:45	Meteorological Telecommunication	TSMS
Tuesday (2.10.2012)	09:00-09:45	Implementation guidance for NC/DCPC Centres	Expert from WMO
		Coffee Break	
	10:00-10:45	WIS architecture and/or the formal WIS centre nomination procedures	Expert from WMO
		Coffee Break	
	11:00-11:45	Introduction to MTDCF	Eva Cervena
		Lunch	
	13:00-13:45	Introduction into DAR Metadata	Marcus Heene
		Coffee Break	
	14:00-14:45	Tools for DAR Metadata Generation, Validation and Maintenance	Marcus Heene
		Coffee Break	
	15:00-15:45	Tools for DAR Metadata Generation, Validation and Maintenance	Marcus Heene
		Coffee Break	
	16:00-16:45	Meteorological Telecommunication	TSMS
Wednesday (3.10.2012)	09:00-09:45	WIS data communication network	Expert from WMO
		Coffee Break	
	10:00-10:45	WIS data communication network	Expert from WMO
		Coffee Break	
	11:00-11:45	Review DAR Metadata for some WIS NC which participate the course	Marcus Heene
		Lunch	
	13:00-13:45	Review DAR Metadata for some WIS NC which participate the course	Marcus Heene
		Coffee Break	
	14:00-14:45	General Philosophy of TDCF	Eva Cervena
		Coffee Break	
	15:00-15:45	BUFR Code Form	Eva Cervena
		Coffee Break	
	16:00-16:45	BUFR Code Form	Eva Cervena

Thursday (4.10.2012)	09:00-09:45	Hands-on Implementation of DAR Metadata	Marcus Heene
	Coffee Break		
	10:00-10:45	Open source data dissemination tool (AFD)	Marcus Heene
	Coffee Break		
	11:00-11:30	Meteorological Telecommunication	TSMS
	Lunch		
	13:00-13:45	GTS aspects of MTDCF	Eva Cervena
	Coffee Break		
	14:00-14:45	BUFR/CREX Templates and Regulations	Eva Cervena
	Coffee Break		
	15:00-15:45	WMO and Regional Migration Plans	Eva Cervena
	Coffee Break		
	16:00-16:45	OPTIONAL	

Friday (5.10.2012)	09:00-09:45	Frequently asked questions	Eva Cervena
	Coffee Break		
	10:00-10:45	Frequently asked questions	Eva Cervena
	Coffee Break		
	11:00-11:45	TSMS – Migration to TDCF	TSMS
	Lunch		
	13:00-13:45	TURKMETCAP Software	TSMS
	Coffee Break		
	14:00-14:45	Participants' Presentations (Optional)	
	Coffee Break		
	15:00-15:45	Course Evaluation, Questions and Answers	All

WORLD METEOROLOGICAL ORGANIZATION
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ETR/CRS-1212, ANNEX II

WMO RTC-TURKEY
The 6th International Training Course on
Meteorological Telecommunication and WMO Information System
1-6 October 2012
Antalya, Turkey

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 (underline) 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. Mother Tongue:.....

14. Name, address and Phone number of person to be notified in case of emergency

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15. What do you wish to achieve by having your candidate participate in this course?

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16. Name and Signature of Permanent Representative.....

.....

17. Date.....

Please complete and return this form no later than **3 September 2012**.

TO:

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