



Nemzetközi szervezetek meteorológiai oktatását és továbbképzést segítő anyagai

Tagországok (főként NMHS) részére + PR nomination

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XXXIII meteorológiai Vándorgyűlés
„A meteorológia oktatása”
2010. augusztus 30-31. Eger, Eszterházy Károly Főiskola



WMO/ ETRP Education and Training Programme

http://www.wmo.int/pages/prog/dra/etrp/training_publications.php

The screenshot shows the WMO website interface. At the top, there's a navigation bar with links like HOME, CONTACT US, TOPICS, LINKS, UN SYSTEM, FAQ, HELP, and ACCESSIBILITY. The main content area is titled "Education and Training Online Publications" and features two main entries for WMO-No. 258. The first entry is "WMO-No. 258 (Supplement No. 2)" with the subtitle "*GUIDELINES FOR CURRICULA IN AGRICULTURAL METEOROLOGY*" and an "English" language indicator. The second entry is "WMO-No. 258" with the subtitle "*GUIDELINES FOR THE EDUCATION AND TRAINING OF PERSONNEL IN METEOROLOGY AND OPERATIONAL HYDROLOGY*". Below this, it states "Prepared under the guidance of the Executive Council Panel of Experts on Education and Training" and describes the revised edition. It lists "Volume I (Meteorology): En Fr Es Ru Ar" and "Volume II (Hydrology): En Fr Es Ru Ar". A third entry, "WMO-No. 258 (Supplement No. 1)", is partially visible with the subtitle "*TRAINING AND QUALIFICATION REQUIREMENTS FOR AERONAUTICAL METEOROLOGICAL PERSONNEL*". A sidebar on the left contains various menu items like About us, Governance, Members, Media centre, Programmes, Meetings, Publications, Learning, Tools, Partnership, Themes, Vacancies, Visitors' info, Youth corner, and Gender. There's also a search bar and utility links like "Save page as PDF", "Screen color contrast", and "Text-only version".

The image shows the front cover of the book "GUIDELINES FOR THE EDUCATION AND TRAINING OF PERSONNEL IN METEOROLOGY AND OPERATIONAL HYDROLOGY". The cover is white with blue text and icons. At the top left, there's a vertical column of blue icons representing various meteorological and hydrological instruments and concepts: a weather station, a balloon, a pair of glasses, a clipboard, a computer monitor, a globe, a satellite dish, and a weather map. The title is centered in a large, bold, blue font. Below the title, it says "VOLUME I: METEOROLOGY". The editors' names are listed: "Editors: I. F. Drăghici, G. V. Necco, R. W. Riddaway, J. T. Snow, C. Billard, L. A. Ogallo". Below that, it states "Prepared under the guidance of the Executive Council Panel of Experts on Education and Training". The text "FOURTH EDITION" is on the right side. At the bottom center, there's the WMO logo (a globe with a laurel wreath) and the text "WMO-No. 258" and "Secretariat of the World Meteorological Organization Geneva - Switzerland".

oktatási tematika, 2001



WMO továbbképzések, ösztöndíjak

WMO oktatási központok (23)

- ALGERIA
- ALGERIA
- ANGOLA
- ARGENTINA
- BARBADOS
- BRAZIL
- CHINA
- EGYPT
- INDIA
- IRAQ
- IRELAND
- KENYA
- MADAGASCAR
- NIGER
- PHILIPPINES
- RUSSIAN FEDERATION
- TURKEY

témakörök

- Agriculture
- Agriculture
- Aviation
- Climate
- Disaster Prevention
- Environment
- Forecasting
- Hydrology
- Hydrometeorology
- Instruments
- Marine-Ocean
- Meteorological Infor
- Meteorology
- Multi-Hazard Early W
- Numerical Weather Pr
- Observations
- Operational
- Other - Management
- Other-Edu&Tra
- Other-Inf&Com Tech
- Other-Management
- Radar
- Satellite
- Tropical Meteorology

repülésmeteorológia

Course Title	Purpose	Class	Duration	Language	Educational Facility	URL Inst.
AERONAUTICAL METEOROLOGY	Specialization	MT-Meteorologic	12 weeks	English	EMA Cairo - RTC Egypt	Web site
Specialized Course in Aeronautical Meteorology (SCAeM)	Specialization	MT-Meteorologic	8 weeks	English	IMTR Nairobi - RTC Kenya	Web site
Aviation Met. For observer	Qualification	M-Meteorologist	one month	EngAra	IMO Baghdad - RTC Iraq	Web site
Aviation Met. For forecaster	Specialization	M-Meteorologist	one week	EngAra	IMO Baghdad - RTC Iraq	Web site
Meteorología Operativa Aeronáutica	Specialization	MT-Meteorologic	2 weeks	Spanish	SMN Buenos Aires - RTC Argentina	Web site
Organization of aviation meteorological service	Advanced Study	M-Meteorologist	2 weeks	Russian	ATI/PIK Moscow - RTC Russian Fed. Advanced Training Institute of Roshydromet	Web site
Meteorological forecasting for aviation service	Advanced Study	M-Meteorologist	2 weeks	Russian	ATI/PIK Moscow - RTC Russian Fed. Advanced Training Institute of Roshydromet	Web site
Air meteorology for meteorological technicians	Advanced Study	MT-Meteorologic	2 months	Russian	ATI/PIK Moscow - RTC Russian Fed. Advanced Training Institute of Roshydromet	Web site

szabályozások:

http://www.wmo.int/pages/prog/amp/aemp/AeM-pubs_en.html

WMO e-learning website:

<http://www.met-elearning.org/moodle/>

Prioritás-Fejlődő országok (LDCs, RA VI SEE)



EUMETNET/EUMETCa1

The European Virtual Organisation for Meteorological Training

<http://www.eumetcal.org/>

- E-learning
- Tanfolyamok
- Oktatási segédanyagok
- IntraLibrary

EUMETSAT



European Organisation for the Exploitation of Meteorological Satellites

www.eumetsat.int

- **Online Training Library**
- <http://www.eumetsat.int/Home/Main/DataProducts/HowtoUseOurProducts/OnlineTrainingLibrary/index.htm?l=en>

The screenshot shows the EUMETSAT website's Online Training Library. The header includes the EUMETSAT logo and navigation links: ABOUT EUMETSAT, SERVICE STATUS, DATA & PRODUCTS, DATA ACCESS, SATELLITES, IMAGE GALLERY, NEWS. A search bar is located in the top right. The left sidebar contains a 'DATA & PRODUCTS' menu with sub-items like Product Navigator, Satellite Data, Atmosphere, Marine, Land, Climate, Formats, Software Products, and Calibration. Below this is a 'How to Use Our Products' section with 'Online Training Library' selected. The main content area features an introductory text about training sessions and a list of filters for searching courses. The filters include Category (Atmosphere), Topic, Keywords, Language, Format, Author, Year, Duration, Course, Audio, Level, and Product. There are also buttons for 'Reset', 'Show Unfiltered Lists', and 'Show recent studies'. Below the filters, it indicates '52 results found' and shows a pagination control with pages 1, 2, and 3. Two course cards are visible, each with a thumbnail, title, author, last update, language, duration, difficulty, category, download information, and links.

Category	Topic	Keywords	Language	Format
Atmosphere [52]	--all--	--all--	--all--	--all--

Author	Year	Duration	Course	Audio	Level	Product
--all--	--all--	--all--	--all--	--all--	--all--	--all--

52 results found

Pages: 1 2 3

Title	Description	PDF
The Nowcasting SAF Dust Flag Product		

Title	Description	PDF
Dust Outbreaks - Synoptic Dust Outbreaks versus Mesoscale Dust Squalls		

ECMWF



European Centre for Medium-Range Weather Forecasts

<http://www.ecmwf.int/>

Tanfolyam előadások (NWP)
elérhetősége:
[http://www.ecmwf.int/newsevents/
training/meteorological_presentati
ons/index.html](http://www.ecmwf.int/newsevents/training/meteorological_presentations/index.html)

ECMWF Home Your Room Login Contact Feedback Site Map Search:

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Getting here Order Data Archive Reanalysis Manuals Employment
Committees Order Software PreIF5 Seasonal Library Open Tenders

Home > Newsevents > Training > Presentations > PR

Presentations of the NWP-PR Training Course

Back The table below provides links to pdf and ppt files containing lectures given in the module "Predictability, Diagnostics and Seasonal Forecasting" of the NWP Training Course lecture programme.

Presentations
[NWP-DA](#)
[NWP-NM](#)
[NWP-PA](#)
[NWP-PR](#)

N.B. Any use of information on this web site for lectures or written work must acknowledge ECMWF and the relevant author(s).

Title of Lecture	Name of Lecturer	PDF files	Powerpoint files
PREDICTABILITY, DIAGNOSTICS AND EXTENDED RANGE FORECASTING			
Monday 16 March 2009			
Operational and Research Activities at ECMWF	Renate Hagedorn		
Introduction to Chaos	Tim Palmer		
Sources of Uncertainty	Roberto Buizza		
Systematic Errors	Thomas Jung		
Tuesday 17 March 2009			
Ensemble Verification (I)	Renate Hagedorn		
Initial Uncertainties in the medium-range EPS (I)	Martin Leutbecher		
Using Stochastic Physics to Represent Model Error	Glenn Shutts		
Practice Session: Ensemble Verification	Renate Hagedorn		