



BADAN METEOROLOGI KLIMATOLOGI DAN GEOFISIKA

PUSAT PENDIDIKAN DAN PELATIHAN

Jl. Angkasa I No. 2, Kemayoran, Jakarta Pusat 10720
Telp. (021) 6586 7058, Fax. (021) 6586 7058, Website : <http://www.bmkg.go.id>

Nomor : KP.02.00/047/KDL/VIII/2020
Sifat : SEGERA
Lampiran : 1 (satu) berkas
Hal : Tawaran mengikuti *the Online Short Courses on Data Discovery for Weather, Oceanography, Air Quality And Climate* pada September sd Desember 2020

Jakarta, 19 Agustus 2020

Yth. 1. Para Kepala Pusat di lingkungan Kedepuitan Meteorologi
2. Para Kepala Pusat di lingkungan Kedepuitan Klimatologi
3. Kepala Pusat Penelitian dan Pengembangan
4. Ketua STMKG
5. Kepala Balai Besar MKG Wilayah I - V
Di-
Tempat

Berdasarkan informasi melalui email dari *The European Organization for the Exploitation of Meteorological Satellites (EUMETSAT)* melalui *World Meteorological Organization (WMO)* pada 18 Agustus 2020, dengan hormat bersama ini kami sampaikan bahwa EUMETSAT menawarkan rangkaian ***Online Short Courses on Data Discovery for Weather, Oceanography, Air Quality And Climate*** mulai September sd Desember 2020 secara daring/*online*. Pelatihan ditujukan bagi praktisi dan profesional, peneliti dan forecaster yang bekerja dalam bidang cuaca, iklim, oseanografi, kualitas udara.

Sehubungan dengan hal tersebut, dengan hormat kami mohon bantuannya untuk dapat menginformasikan kesempatan pelatihan ini kepada seluruh pegawai yang berada di unit kerja masing-masing, dengan **mempertimbangkan tugas pokok dan fungsinya**.

Peminat mendaftar secara langsung ke website Eumetsat di <https://training.eumetsat.int/course/index.php?categoryid=97>. Tata cara pendaftaran, ketentuan pelatihan dan kualifikasi peserta dapat dilihat pada **Lampiran 1**. Informasi lebih lanjut terkait pelatihan daring ini silahkan menghubungi Rr. Yuliana Purwanti, M.Si (HP. 0813 1722 8283/ email apply.rtcmbkg@bmkg.go.id).

Demikian disampaikan. Atas perhatian dan kerjasamanya, kami ucapkan terima kasih.



Kepala Pusat Pendidikan dan Pelatihan,

Maman Sudarisman

Tembusan:

1. Kepala BMKG;
2. Sestama BMKG;
3. Kepala Biro Hukum dan Organisasi.

Lampiran : 1

Nomor surat : KP.02.00/047/KDL/VIII/2020

Tanggal : 19 Agustus 2020

Registration open for new series of online short course starting September 2020



EUMETSAT NEW SERIES OF OPEN, ONLINE SHORT COURSES ON DATA DISCOVERY FOR WEATHER, OCEANOGRAPHY, AIR QUALITY AND CLIMATE

A new series of open, online short courses on data discovery for weather, oceanography, air quality and climate is starting this September.

The courses are open and address a wide range of attendees, from service providers to young (and less young) scientists and forecasters. We will do our best to keep the language and contents accessible to all even for those limited pre-existing know-how.

The format of each short course is a 1-2 hours webinar including a presentation and demonstration of data discovery and application. You will have the opportunity to interact with experts and ask questions. Some courses will include a follow-up self-paced phase where you are invited to explore the data and get feedback from experts.

The participants will have the opportunity to learn:

- which are the EUMETSAT and Copernicus free and open data.
- where to access the data and where to find information about the data.
- how to handle the data using the tools proposed

Course website and Registration : <https://training.eumetsat.int/course/index.php?categoryid=97>

Series of Online Short Courses

<p>How high is the sea? A discovery of altimetry data with Vinca Rosmorduc and Olly Clements</p> <p>16 September 2020, 12:00 UTC</p>	<p>Discover the sea level data from the SRAL sensor onboard the Sentinel-3 satellite. We will cover where to get data and how to interpret the data to answer scientific questions in Python through the Jupyter Notebooks interface. We will also introduce the upcoming altimetry sensor on the Sentinel-6 mission.</p>
<p>A light on heat: what radiation tells about soil, air and fire. with Josè Prieto</p> <p>30 September 2020, 12:00 UTC</p>	<p>A formula-free approach to remote sensing based on images from GOES and Meteosat satellites. How to twist radiance readings at the satellite into air temperatures and soil characteristics. Guided exercises on viewers will try to make you familiar with satellite data.</p>
<p>Satellite skills training online: a short introduction with Mark Higgins</p> <p>6 October 2020, 13:00 UTC</p>	<p>A framework for teaching skills (Merril, M. D (2002) for teaching satellite skills online. You will consider what activities may best suit your learning objectives drawing on examples from EUMETSAT training. The short course will consist of a webinar followed by a guided design process for those who have active courses to design.</p>
<p>A summer of fires: the 2019 wildfires in Australia with Federico Fierli, Julien Chimot and Julia Wagemann</p> <p>14 Oct 2020, 12:00 UTC</p> <p>Feedback session: 19 Oct 2020, 12:00 UTC</p>	<p>Download, plot and explore new fire products and aerosol data to characterize the fire plumes evolution and position during the 2019 wildfire season using Jupyter Notebooks.</p> <p>The activity is structured with a webinar, self-paced and wash-up session.</p>
<p>A climate data record of "sunshine", SARAH with Jörg Trentmann, Uwe Pfeifroth, Steffen Kothe and Christine Träger-Chatterjee</p> <p>28 October 2020, 12:00 UTC</p>	<p>Details on the CM SAF SARAH climate data record (available since 1983), focusing on sunshine duration and surface solar radiation, incl. current applications and future developments. In an interactive session you will be able to explore the SARAH data record using the CMSAF R Toolbox and discuss the results.</p>
<p>The monthly weather briefing of EUMeTrain with EUMeTrain trainer(s), NMHS forecasters</p> <p>November 2020, 12:00 UTC</p>	<p>Once a month EUMeTrain organizes a Weather Briefing open to everyone to present and discuss the present/recent weather situation/events. Discussions mostly rely on actual satellite imagery. Basics of satellite meteorology are often covered with these discussions.</p>
<p>The colour of the oceans with Lauren Biermann and Oliver Clements</p> <p>25 November 2020, 12:00 UTC</p>	<p>Discover Ocean and Land Colour data from the Instruments (OLCI) onboard the Sentinel-3 satellites, including data access, visualisation and processing. Tools will include Python, Jupyter Notebooks & SNAP.</p>

<p>What is a gridded dataset and how to create it? with Alessandra Cacciari and Julia Wagemann</p> <p>9 December 2020, 12:00 UTC</p>	<p>Download, plot and explore level 2 data and build a gridded dataset following robust methods using Jupyter Notebooks.</p> <p>The activity is structured with a webinar, self-paced and wash-up session.</p>
<p>Advanced applications of a toolbox to analyse climate data with Danny Parsons (IDEMS), Steffen Kothe and Christine Träger-Chatterjee</p> <p>December 2020, 12:00 UTC</p>	<p>R-Instat to compare/combine satellite based climate monitoring products with "your" station data (support from IDEMS on R-Instat)</p> <p>... to analyse climate phenomena / extremes in your ROI (ROI must be covered by the data).</p>