

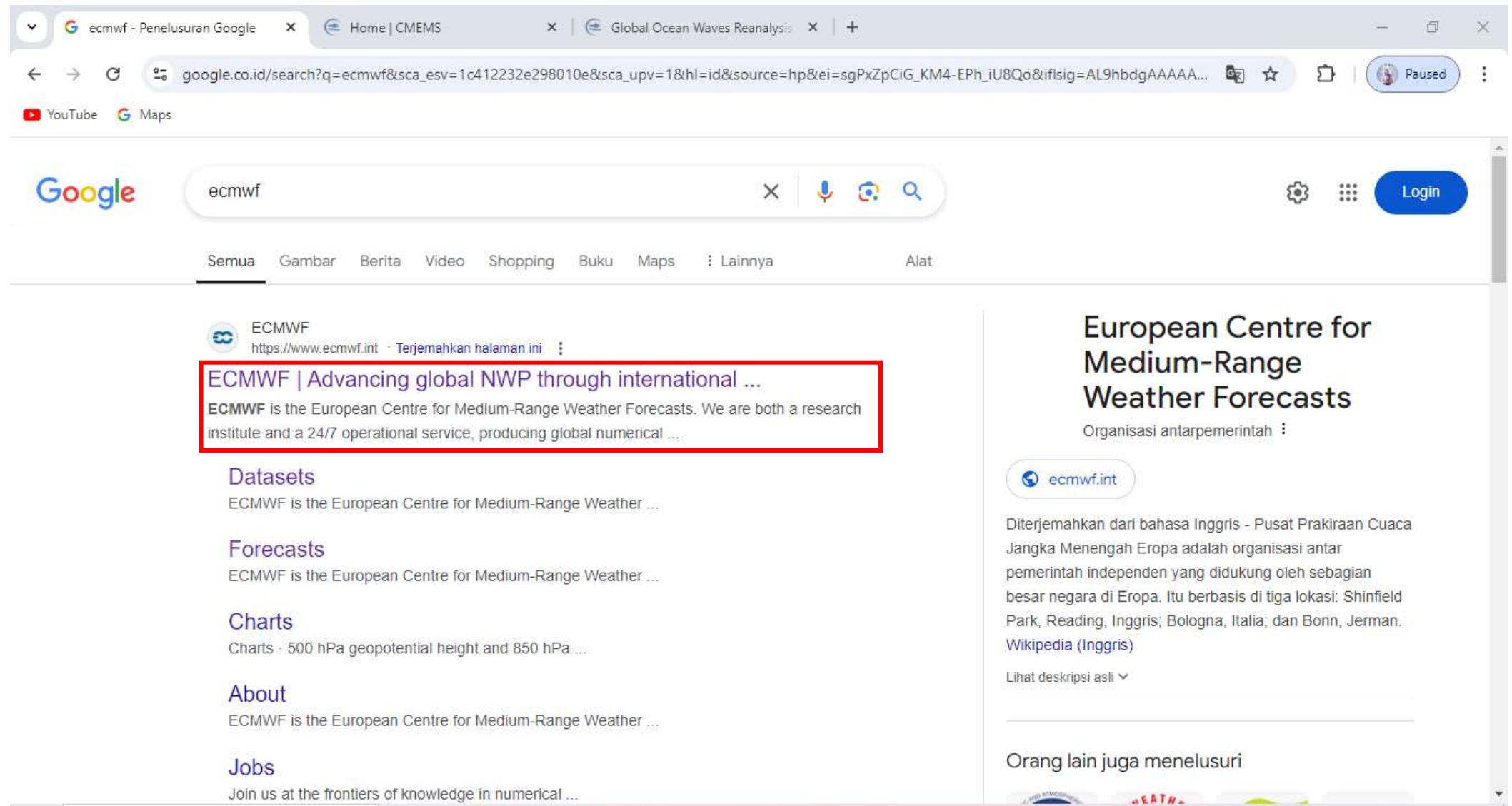


Pemetaan Ketinggian Gelombang

CARA MENDOWNLOAD DATA GELOMBANG DI ECMWF

Disusun oleh **Rusmiyanti, S.Kel**

Ketik ECMWF di laman browser, kemudian pilih hasil penelusuran yang sudah ditandai



The screenshot shows a Google search results page for the query "ecmwf". The first result, which is the official ECMWF website, is highlighted with a red box. The result title is "ECMWF | Advancing global NWP through international ...". Below the title is a snippet of text: "ECMWF is the European Centre for Medium-Range Weather Forecasts. We are both a research institute and a 24/7 operational service, producing global numerical ..." To the right of the search results, there is a detailed sidebar for the ECMWF website. It features the ECMWF logo, the full title "European Centre for Medium-Range Weather Forecasts", and a brief description: "Organisasi antarpemerintah". Below this, there is a link to "ecmwf.int" and a note that it is a translation from English. A "Lihat deskripsi asli" (View original description) link is also present. At the bottom of the sidebar, there is a section titled "Orang lain juga menelusuri" (People also searched for) with several small thumbnail images.

ecmwf - Penelusuran Google

Home | CMEMS

Global Ocean Waves Reanalysis

google.co.id/search?q=ecmwf&sca_esv=1c412232e298010e&sca_upv=1&hl=id&source=hp&ei=sgPxZpCiG_KM4-EPh_iU8Qo&iflsig=AL9hb9gAAAAA...

Paused

YouTube Maps

Google

ecmwf

Semua Gambar Berita Video Shopping Buku Maps Lainnya Alat

ECMWF

https://www.ecmwf.int Terjemahkan halaman ini

ECMWF | Advancing global NWP through international ...

ECMWF is the European Centre for Medium-Range Weather Forecasts. We are both a research institute and a 24/7 operational service, producing global numerical ...

Datasets

ECMWF is the European Centre for Medium-Range Weather ...

Forecasts

ECMWF is the European Centre for Medium-Range Weather ...

Charts

Charts - 500 hPa geopotential height and 850 hPa ...

About

ECMWF is the European Centre for Medium-Range Weather ...

Jobs

Join us at the frontiers of knowledge in numerical ...

European Centre for Medium-Range Weather Forecasts

Organisasi antarpemerintah

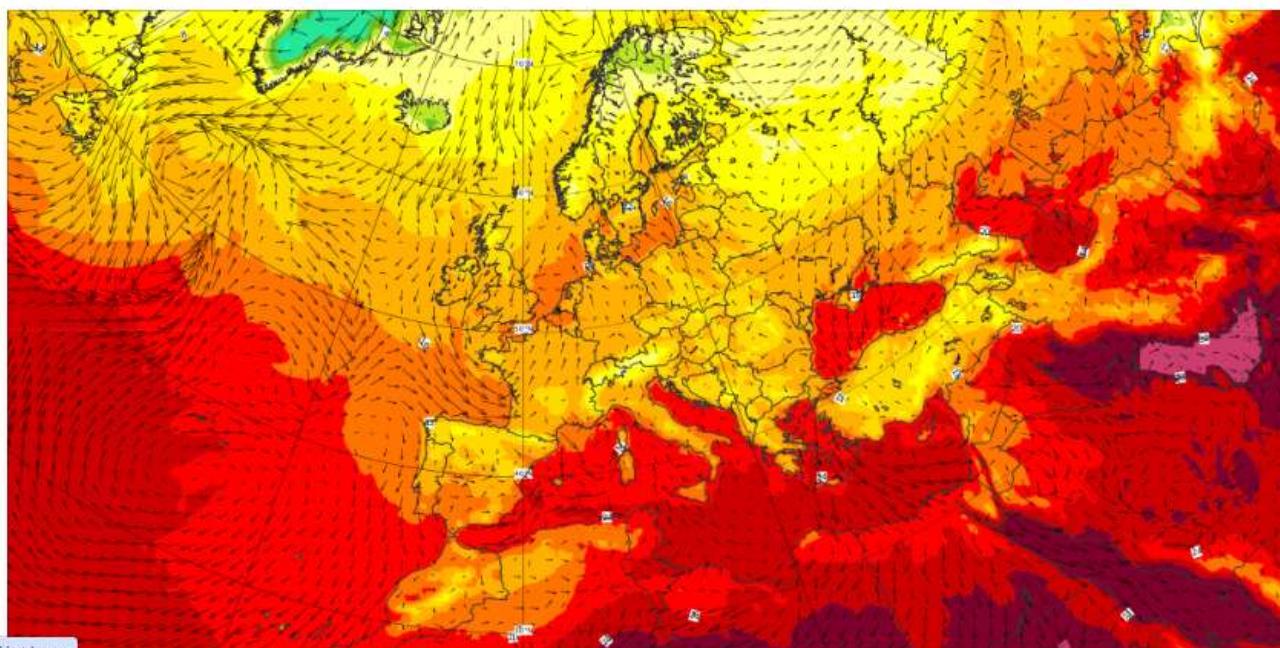
ecmwf.int

Diterjemahkan dari bahasa Inggris - Pusat Prakiraan Cuaca Jangka Menengah Eropa adalah organisasi antar pemerintah independen yang didukung oleh sebagian besar negara di Eropa. Itu berbasis di tiga lokasi: Shinfield Park, Reading, Inggris; Bologna, Italia; dan Bonn, Jerman. Wikipedia (Inggris)

Lihat deskripsi asli

Orang lain juga menelusuri

Lakukan login terlebih dahulu jika kalian sudah memiliki akun, jika belum maka buat akun terlebih dahulu



The screenshot shows the ECMWF homepage with a map of Europe displaying air temperature and surface wind. The map uses a color scale from purple (cold) to red (hot), with arrows indicating wind direction and speed. Below the map, there is descriptive text about 2 m temperature and wind.

ECMWF | Advancing global NWP through international collaboration

2 m temperature and

Base Time: Sun 22 Sep 2024 12 UTC T+12
Valid time: Mon 23 Sep 2024 00 UTC (T+12)

Air temperatures at 2 m above the earth's surface approximate most closely to the conditions a person would most likely experience. 2 m air temperatures are a post-processed product that is derived by non-linear interpolation between model air temperatures at the lowest model level (at about 10 m above the surface) and temperatures forecast at the model earth's surface.

Further information on the diagnosis of temperature and surface wind is available in the Forecast User Guide.

[View all charts >](https://www.ecmwf.int/user)

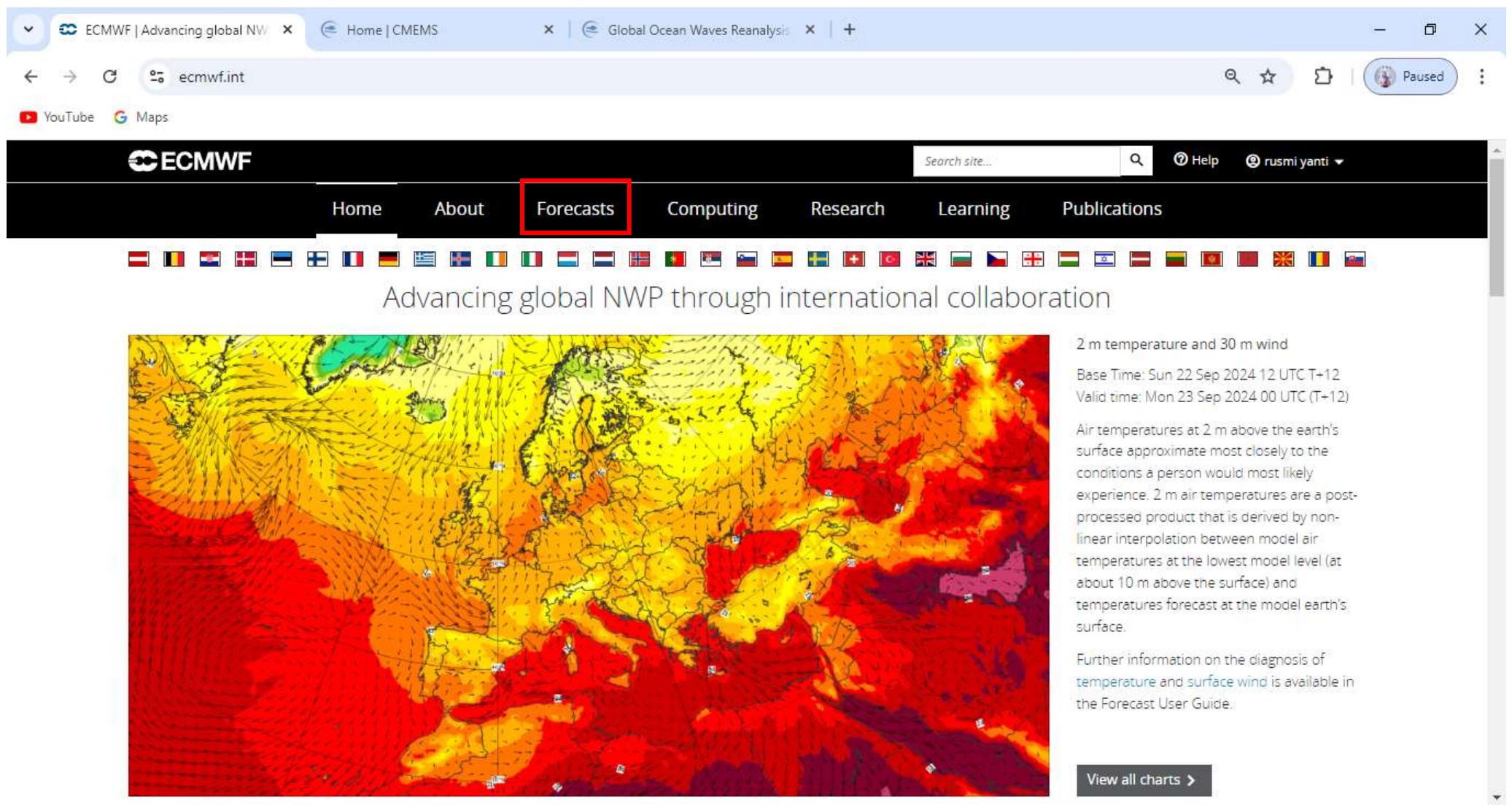
https://www.ecmwf.int/user

ECMWF | Advancing global NWP | Home | CMEMS | Global Ocean Waves Reanalysis

Search site... Help Account My support requests My chart dashboard My Web API activity My data orders Log out

rusmi yanti

Kemudian pilih menu **Forecast**



The screenshot shows a web browser window with the ECMWF homepage. The navigation bar includes links for Home, About, Forecasts (which is highlighted with a red box), Computing, Research, Learning, and Publications. Below the navigation bar is a row of national flags. The main content area features a large map of Europe with a color-coded temperature gradient and wind vectors. To the right of the map, there is descriptive text about the 2 m temperature and 30 m wind forecast, including base and valid times, a detailed explanation of the 2 m air temperature product, and a link to the Forecast User Guide. A 'View all charts' button is located at the bottom right of the map area.

ECMWF | Advancing global NWP

Home | CMEMS

Global Ocean Waves Reanalysis

Paused

YouTube Maps

Search site... Help rusmi yanti

ECMWF

Home About Forecasts Computing Research Learning Publications

Advancing global NWP through international collaboration

2 m temperature and 30 m wind

Base Time: Sun 22 Sep 2024 12 UTC T+12

Valid time: Mon 23 Sep 2024 00 UTC (T+12)

Air temperatures at 2 m above the earth's surface approximate most closely to the conditions a person would most likely experience. 2 m air temperatures are a post-processed product that is derived by non-linear interpolation between model air temperatures at the lowest model level (at about 10 m above the surface) and temperatures forecast at the model earth's surface.

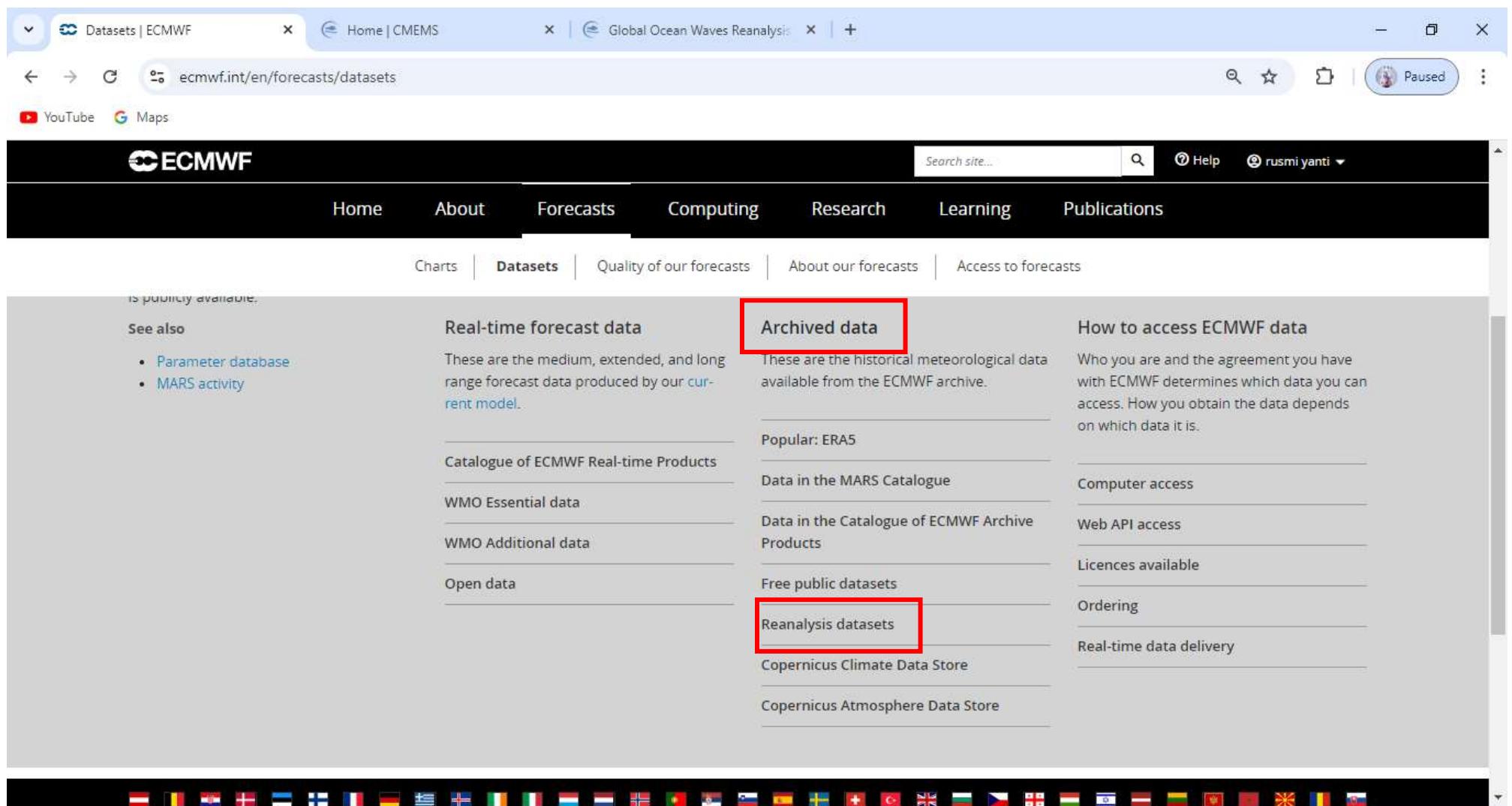
Further information on the diagnosis of temperature and surface wind is available in the Forecast User Guide.

View all charts >

Selanjutnya pilih Datasets

The screenshot shows a web browser window with three tabs open: 'Forecasts | ECMWF', 'Home | CMEMS', and 'Global Ocean Waves Reanalysis'. The main content area is the ECMWF homepage. At the top, there is a navigation bar with links to Home, About, Forecasts, Computing, Research, Learning, and Publications. Below this is a secondary navigation bar with links to Charts, Datasets (which is highlighted with a red box), Quality of our forecasts, About our forecasts, and Access to forecasts. The main content on the left side discusses forecast charts and data, mentioning global forecasts, climate reanalyses, and specific datasets. It also describes ECMWF's operational forecasts and their ensemble nature. On the right side, there is a large map of the Northern Hemisphere showing atmospheric pressure contours and wind vectors, with color-coded regions indicating different weather conditions. A legend on the right side of the map provides information about the pressure values.

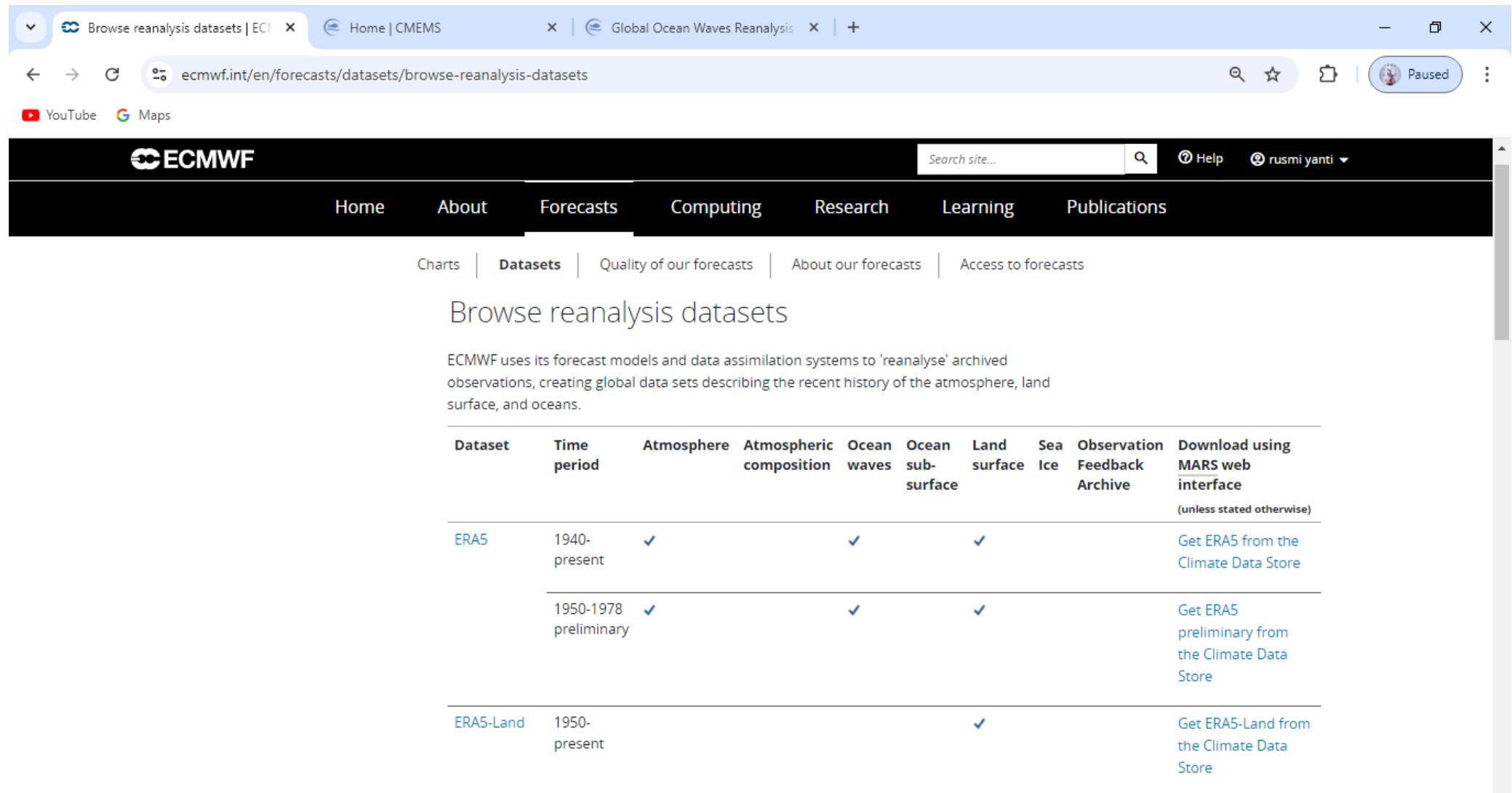
Scroll ke bawah sampai menemukan menu **Archived data >> Reanalysis datasets**



The screenshot shows the ECMWF Datasets page. At the top, there are tabs for Home, About, Forecasts, Computing, Research, Learning, and Publications. Below these, a navigation bar includes Charts, Datasets (which is currently selected), Quality of our forecasts, About our forecasts, and Access to forecasts. The main content area is divided into several sections:

- See also:** Parameter database, MARS activity
- Real-time forecast data:** These are the medium, extended, and long range forecast data produced by our current model.
- Archived data:** These are the historical meteorological data available from the ECMWF archive.
- How to access ECMWF data:** Who you are and the agreement you have with ECMWF determines which data you can access. How you obtain the data depends on which data it is.
- Catalogue of ECMWF Real-time Products**
- WMO Essential data**
- WMO Additional data**
- Open data**
- Popular: ERA5**
- Data in the MARS Catalogue**
- Data in the Catalogue of ECMWF Archive Products**
- Free public datasets**
- Reanalysis datasets**
- Copernicus Climate Data Store**
- Copernicus Atmosphere Data Store**

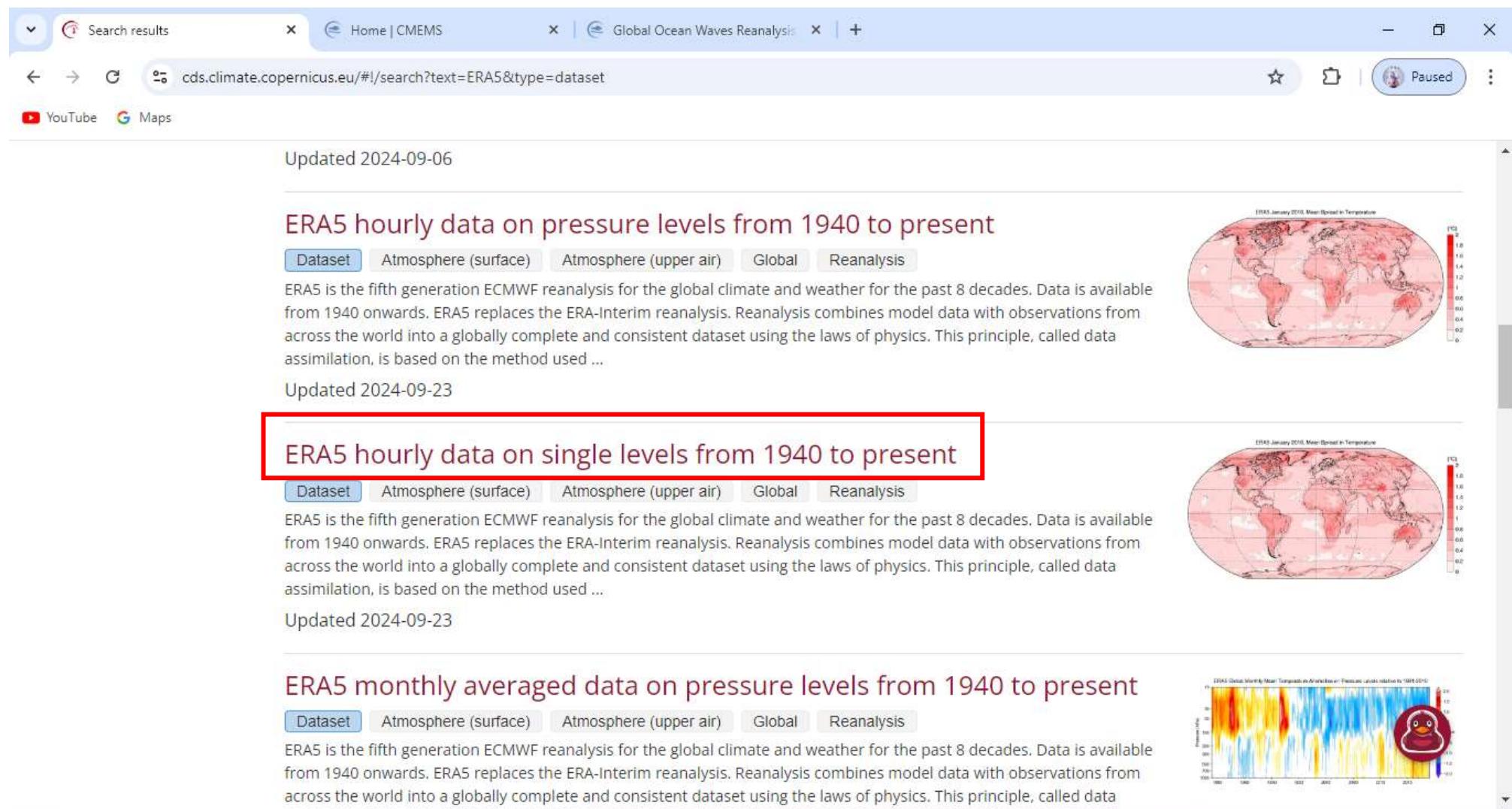
Untuk bagian Reanalysis datasets pilih **Download using MARS web interface**
yang **Get ERA5 form the Climate Data Store**



The screenshot shows the ECMWF website with the URL ecmwf.int/en/forecasts/datasets/browse-reanalysis-datasets. The page title is "Browse reanalysis datasets". It describes how ECMWF uses forecast models and data assimilation systems to 'reanalyse' archived observations, creating global data sets describing the recent history of the atmosphere, land surface, and oceans.

Dataset	Time period	Atmosphere	Atmospheric composition	Ocean waves	Ocean sub-surface	Land surface	Sea Ice	Observation Feedback Archive	Download using MARS web interface (unless stated otherwise)
ERA5	1940-present	✓		✓		✓			Get ERA5 from the Climate Data Store
	1950-1978 preliminary	✓		✓		✓			Get ERA5 preliminary from the Climate Data Store
ERA5-Land	1950-present				✓				Get ERA5-Land from the Climate Data Store

Akan muncul banyak pilihan data seperti ini, kemudian pilih **ERA5 hourly data on single levels from 1940 to present**



Search results | Home | CMEMS | Global Ocean Waves Reanalysis | Paused

cds.climate.copernicus.eu/#!/search?text=ERA5&type=dataset

YouTube Maps

Updated 2024-09-06

ERA5 hourly data on pressure levels from 1940 to present

Dataset Atmosphere (surface) Atmosphere (upper air) Global Reanalysis

ERA5 is the fifth generation ECMWF reanalysis for the global climate and weather for the past 8 decades. Data is available from 1940 onwards. ERA5 replaces the ERA-Interim reanalysis. Reanalysis combines model data with observations from across the world into a globally complete and consistent dataset using the laws of physics. This principle, called data assimilation, is based on the method used ...

Updated 2024-09-23

ERA5 hourly data on single levels from 1940 to present

Dataset Atmosphere (surface) Atmosphere (upper air) Global Reanalysis

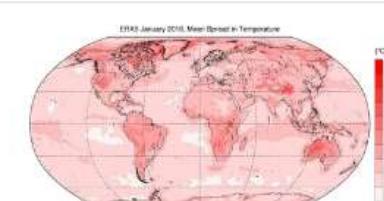
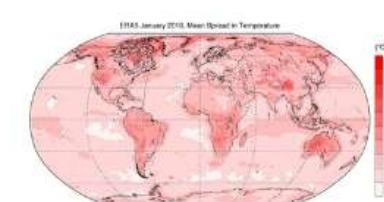
ERA5 is the fifth generation ECMWF reanalysis for the global climate and weather for the past 8 decades. Data is available from 1940 onwards. ERA5 replaces the ERA-Interim reanalysis. Reanalysis combines model data with observations from across the world into a globally complete and consistent dataset using the laws of physics. This principle, called data assimilation, is based on the method used ...

Updated 2024-09-23

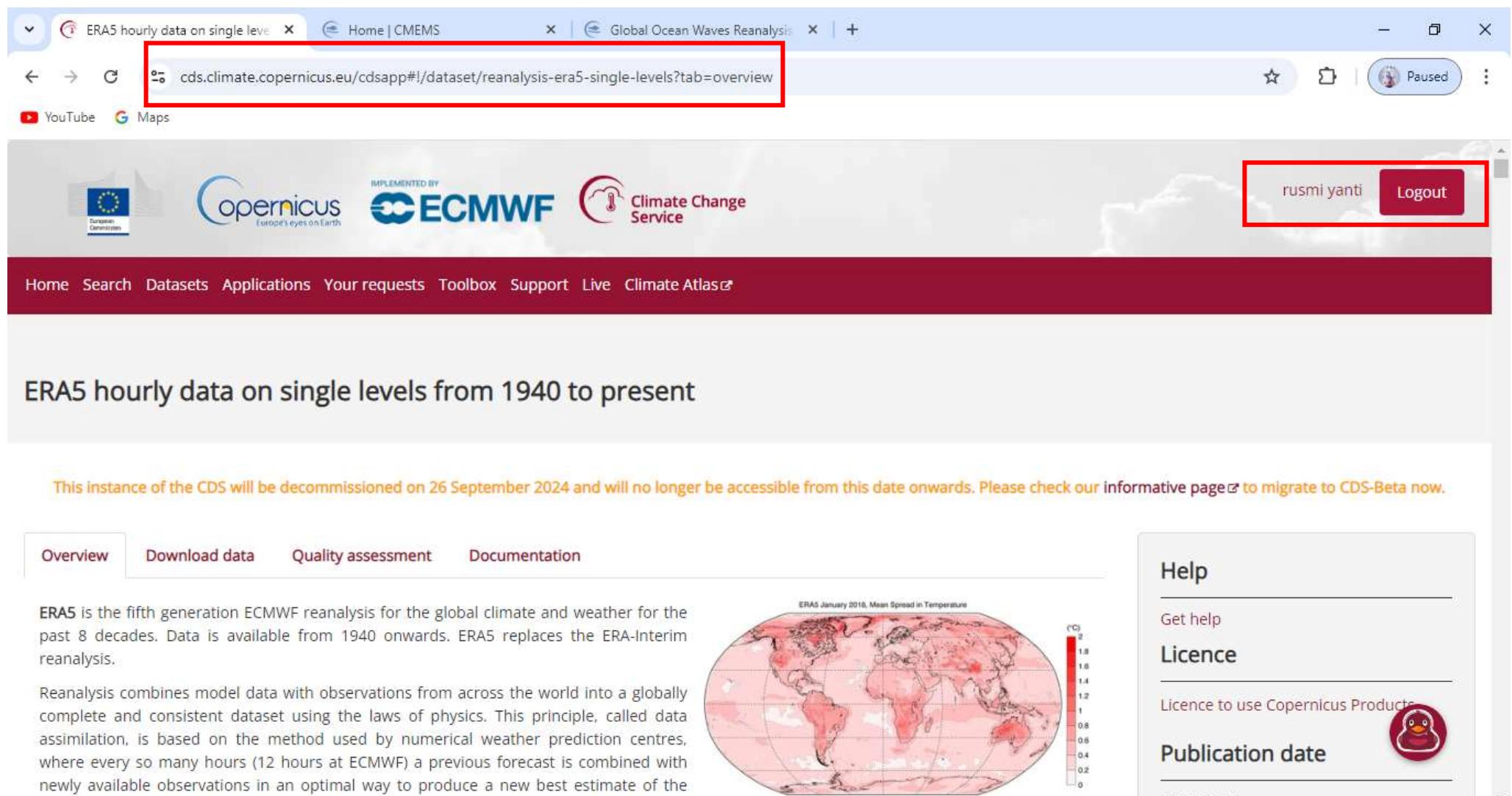
ERA5 monthly averaged data on pressure levels from 1940 to present

Dataset Atmosphere (surface) Atmosphere (upper air) Global Reanalysis

ERA5 is the fifth generation ECMWF reanalysis for the global climate and weather for the past 8 decades. Data is available from 1940 onwards. ERA5 replaces the ERA-Interim reanalysis. Reanalysis combines model data with observations from across the world into a globally complete and consistent dataset using the laws of physics. This principle, called data assimilation, is based on the method used ...



Selanjutnya akan diarahkan ke laman seperti ini, kemudian kalian diminta untuk
login terlebih dahulu



The screenshot shows a web browser window with the following details:

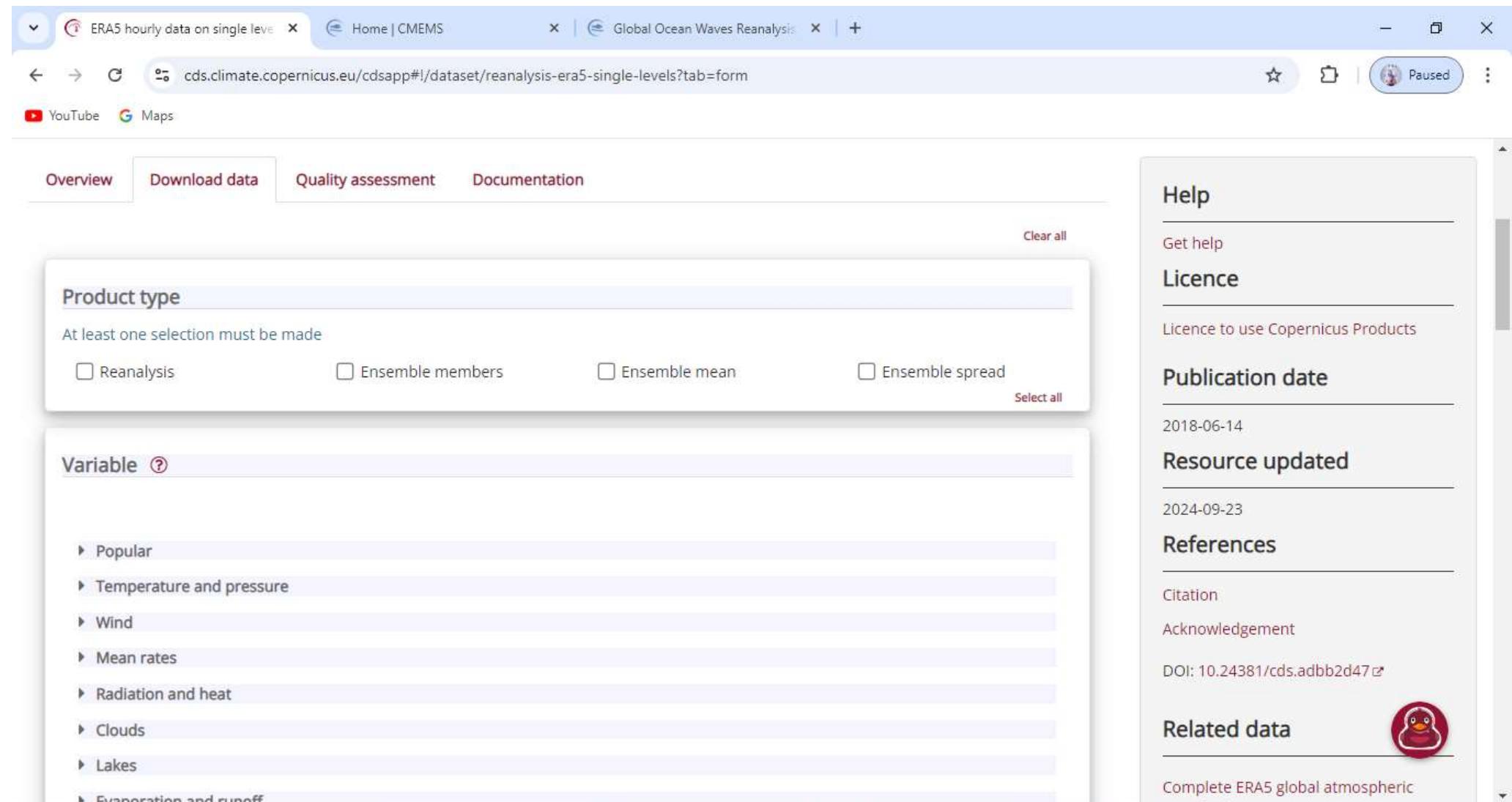
- Address Bar:** The URL cds.climate.copernicus.eu/cdsapp#!/dataset/reanalysis-era5-single-levels?tab=overview is highlighted with a red box.
- User Profile:** In the top right corner, there is a user profile with the name "rusmi yanti" and a "Logout" button, both highlighted with a red box.
- Logos:** The page features logos for the European Commission, Copernicus (Europe's eyes on Earth), ECMWF, and Climate Change Service.
- Navigation Bar:** A red navigation bar at the top includes links for Home, Search, Datasets, Applications, Your requests, Toolbox, Support, Live, and Climate Atlas.
- Main Content:** The main content area is titled "ERA5 hourly data on single levels from 1940 to present". It includes a warning message about decommissioning on September 26, 2024, and four tabs: Overview (selected), Download data, Quality assessment, and Documentation.
- Text Description:** A paragraph explains that ERA5 is the fifth generation ECMWF reanalysis for the global climate and weather for the past 8 decades, available from 1940 onwards, replacing ERA-Interim.
- Figure:** A world map titled "ERA5 January 2018, Mean Spread in Temperature" shows temperature spread across the globe. A vertical color scale on the right indicates values from 0 to 2 degrees Celsius.
- Help Section:** A sidebar titled "Help" contains links for "Get help", "Licence", and "Publication date", along with a small cartoon duck icon.

Setelah itu pilih menu **Download data**

The screenshot shows a web browser window with the following details:

- Address Bar:** cds.climate.copernicus.eu/cdsapp#!/dataset/reanalysis-era5-single-levels?tab=overview
- Log In:** A user is logged in as "rusmi yanti".
- Header Logos:** European Commission, Copernicus (Europe's eyes on Earth), Implemented by ECMWF, Climate Change Service.
- Header Navigation:** Home, Search, Datasets, Applications, Your requests, Toolbox, Support, Live, Climate Atlas.
- Title:** ERA5 hourly data on single levels from 1940 to present
- Message:** This instance of the CDS will be decommissioned on 26 September 2024 and will no longer be accessible from this date onwards. Please check our informative page to migrate to CDS-Beta now.
- Menu:** Overview (selected), Download data (highlighted with a red box), Quality assessment, Documentation.
- Text:** ERA5 is the fifth generation ECMWF reanalysis for the global climate and weather for the past 8 decades. Data is available from 1940 onwards. ERA5 replaces the ERA-Interim reanalysis.
- Text:** Reanalysis combines model data with observations from across the world into a globally complete and consistent dataset using the laws of physics. This principle, called data assimilation, is based on the method used by numerical weather prediction centres, where every so many hours (12 hours at ECMWF) a previous forecast is combined with newly available observations in an optimal way to produce a new best estimate of the
- Figure:** ERA5 January 2018, Mean Spread in Temperature. A world map showing temperature spread with a color scale from 0.2 to 2 degrees Celsius.
- Help:** Get help, Licence, Licence to use Copernicus Products, Publication date.

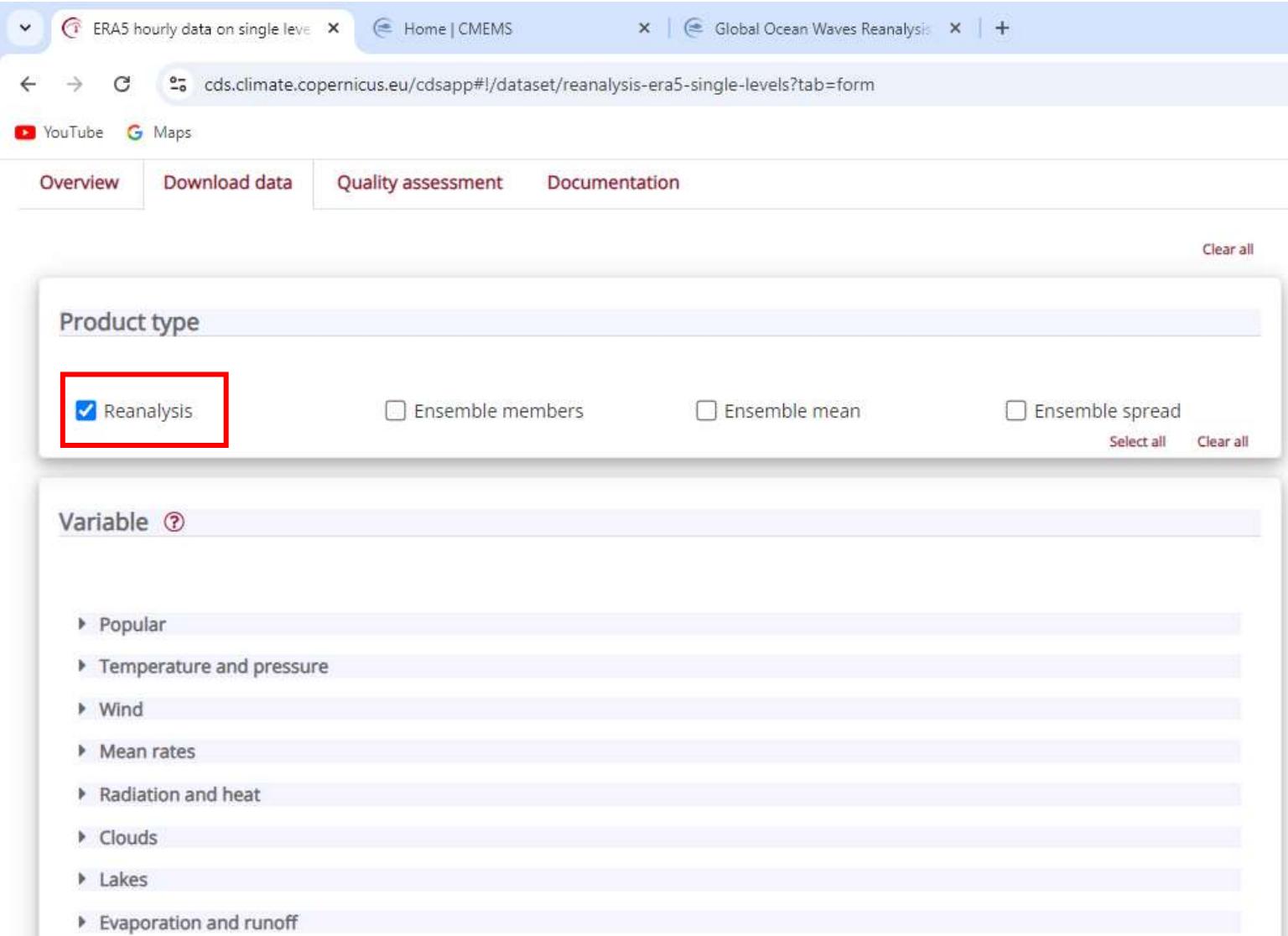
Akan muncul tampilan seperti, dan lakukan pengisian form untuk mendownload data yang dibutuhkan



The screenshot shows a web browser window with the following details:

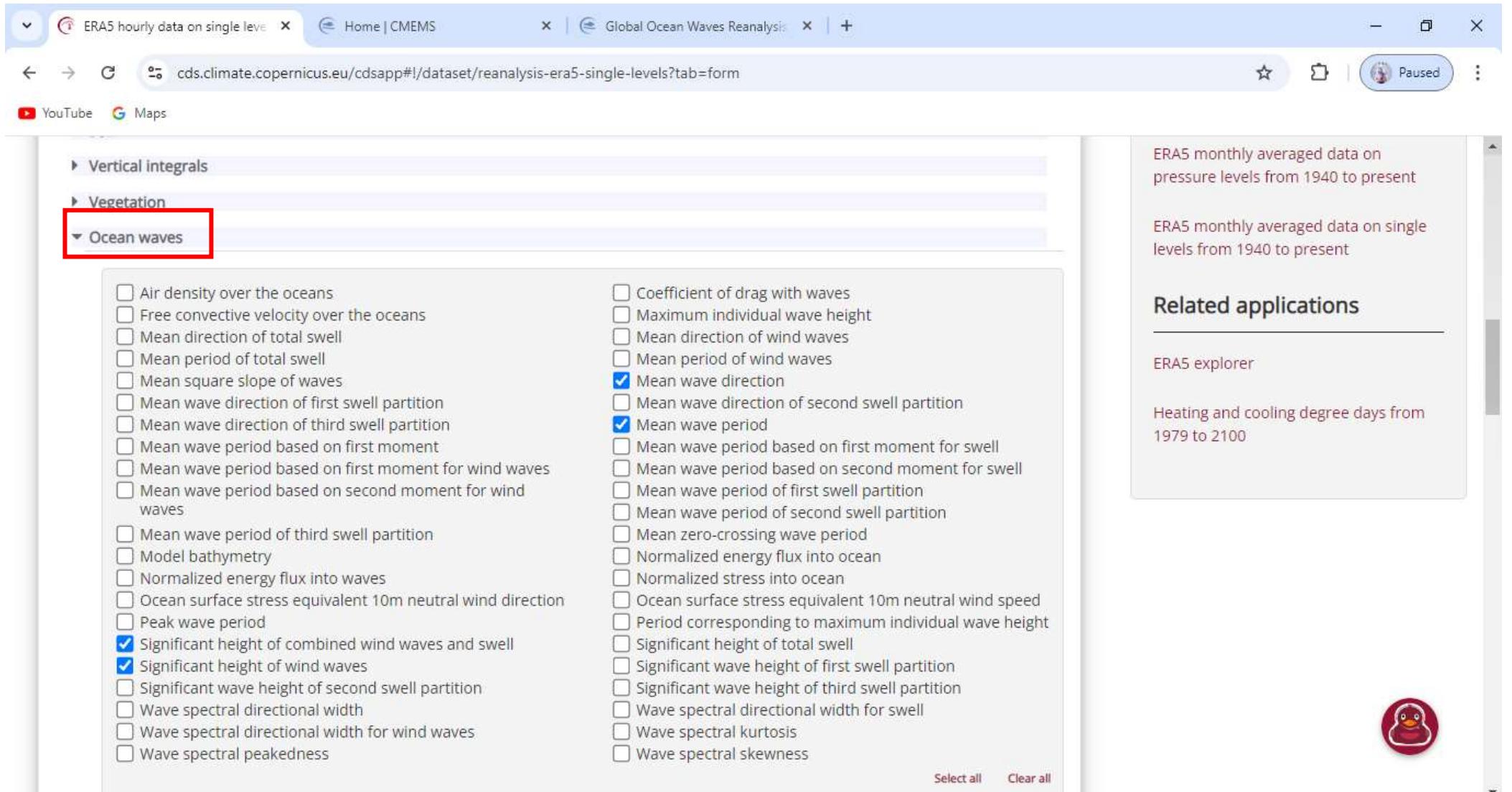
- Address Bar:** cds.climate.copernicus.eu/cdsapp#!/dataset/reanalysis-era5-single-levels?tab=form
- Tab Bar:** ERAS hourly data on single level, Home | CMEMS, Global Ocean Waves Reanalysis.
- Content Area:**
 - Product type:** At least one selection must be made. Options: Reanalysis, Ensemble members, Ensemble mean, Ensemble spread. A "Select all" button is also present.
 - Variable:** Popular, Temperature and pressure, Wind, Mean rates, Radiation and heat, Clouds, Lakes, Evaporation and runoff.
 - Help:** Get help, Licence, Licence to use Copernicus Products, Publication date (2018-06-14), Resource updated (2024-09-23), References, Citation, Acknowledgement, DOI: 10.24381/cds.adbb2d47, Related data (with a small orange icon).

Untuk bagian **Product type** pilih yang **Reanalysis**



The screenshot shows a web browser window with three tabs: 'ERA5 hourly data on single level', 'Home | CMEMS', and 'Global Ocean Waves Reanalysis'. The URL in the address bar is 'cds.climate.copernicus.eu/cdsapp#!/dataset/reanalysis-era5-single-levels?tab=form'. Below the tabs, there are four navigation links: 'Overview', 'Download data', 'Quality assessment', and 'Documentation'. The 'Overview' link is currently selected. On the left, there's a 'Product type' section with three checkboxes: 'Reanalysis' (checked and highlighted with a red box), 'Ensemble members', and 'Ensemble mean'. To the right of these checkboxes are 'Select all' and 'Clear all' buttons. Below this is a 'Variable' section with a 'Popular' category and a list of variables: Temperature and pressure, Wind, Mean rates, Radiation and heat, Clouds, Lakes, and Evaporation and runoff. On the right side of the page, there's a sidebar with sections for 'Help', 'Get help', 'Licence', 'Licence to use Copernicus Products', 'Publication date' (2018-06-14), 'Resource updated' (2024-09-23), 'References', 'Citation', 'Acknowledgement', 'DOI: 10.24381/cds.adbb2d47', and 'Related data' which includes a link to 'Complete ERA5 global atmospheric reanalysis' and a small orange rubber duck icon.

Untuk bagian **Variabale** pilih Ocean waves dan pilih data yang sudah di ceklis seperti ini



The screenshot shows a web-based application for selecting ocean wave parameters. On the left, there's a sidebar with categories: Vertical integrals, Vegetation, and Ocean waves. The 'Ocean waves' category is highlighted with a red box. Inside this box, two specific parameters are checked: 'Mean wave direction' and 'Significant height of wind waves'. Other options like 'Air density over the oceans' and 'Normalized energy flux into waves' are not checked.

Vertical integrals

Vegetation

Ocean waves

- Air density over the oceans
- Free convective velocity over the oceans
- Mean direction of total swell
- Mean period of total swell
- Mean square slope of waves
- Mean wave direction of first swell partition
- Mean wave direction of third swell partition
- Mean wave period based on first moment
- Mean wave period based on first moment for wind waves
- Mean wave period based on second moment for wind waves
- Mean wave period of third swell partition
- Model bathymetry
- Normalized energy flux into waves
- Ocean surface stress equivalent 10m neutral wind direction
- Peak wave period
- Significant height of combined wind waves and swell
- Significant height of wind waves
- Significant wave height of second swell partition
- Wave spectral directional width
- Wave spectral directional width for wind waves
- Wave spectral peakedness

- Coefficient of drag with waves
- Maximum individual wave height
- Mean direction of wind waves
- Mean period of wind waves
- Mean wave direction
- Mean wave direction of second swell partition
- Mean wave period
- Mean wave period based on first moment for swell
- Mean wave period based on second moment for swell
- Mean wave period of first swell partition
- Mean wave period of second swell partition
- Mean zero-crossing wave period
- Normalized energy flux into ocean
- Normalized stress into ocean
- Ocean surface stress equivalent 10m neutral wind speed
- Period corresponding to maximum individual wave height
- Significant height of total swell
- Significant wave height of first swell partition
- Significant wave height of third swell partition
- Wave spectral directional width for swell
- Wave spectral kurtosis
- Wave spectral skewness

Select all Clear all

ERA5 monthly averaged data on pressure levels from 1940 to present

ERA5 monthly averaged data on single levels from 1940 to present

Related applications

ERA5 explorer

Heating and cooling degree days from 1979 to 2100



Pilih waktu untuk data yang ingin di download sesuai yang kalian inginkan

Year

- 1940 1941 1942 1943 1944 1945
- 1946 1947 1948 1949 1950 1951
- 1952 1953 1954 1955 1956 1957
- 1958 1959 1960 1961 1962 1963
- 1964 1965 1966 1967 1968 1969
- 1970 1971 1972 1973 1974 1975
- 1976 1977 1978 1979 1980 1981
- 1982 1983 1984 1985 1986 1987
- 1988 1989 1990 1991 1992 1993
- 1994 1995 1996 1997 1998 1999
- 2000 2001 2002 2003 2004 2005
- 2006 2007 2008 2009 2010 2011
- 2012 2013 2014 2015 2016 2017
- 2018 2019 2020 2021 2022 2023

[Clear all](#)

Month

- | | | | | | |
|---|--|---|---|--|--|
| <input checked="" type="checkbox"/> January | <input checked="" type="checkbox"/> February | <input checked="" type="checkbox"/> March | <input checked="" type="checkbox"/> April | <input checked="" type="checkbox"/> May | <input checked="" type="checkbox"/> June |
| <input checked="" type="checkbox"/> July | <input checked="" type="checkbox"/> August | <input checked="" type="checkbox"/> September | <input checked="" type="checkbox"/> October | <input checked="" type="checkbox"/> November | <input checked="" type="checkbox"/> December |

[Clear all](#)

Day

- | | | | | | |
|--|--|--|--|--|--|
| <input checked="" type="checkbox"/> 01 | <input checked="" type="checkbox"/> 02 | <input checked="" type="checkbox"/> 03 | <input checked="" type="checkbox"/> 04 | <input checked="" type="checkbox"/> 05 | <input checked="" type="checkbox"/> 06 |
| <input checked="" type="checkbox"/> 07 | <input checked="" type="checkbox"/> 08 | <input checked="" type="checkbox"/> 09 | <input checked="" type="checkbox"/> 10 | <input checked="" type="checkbox"/> 11 | <input checked="" type="checkbox"/> 12 |
| <input checked="" type="checkbox"/> 13 | <input checked="" type="checkbox"/> 14 | <input checked="" type="checkbox"/> 15 | <input checked="" type="checkbox"/> 16 | <input checked="" type="checkbox"/> 17 | <input checked="" type="checkbox"/> 18 |
| <input checked="" type="checkbox"/> 19 | <input checked="" type="checkbox"/> 20 | <input checked="" type="checkbox"/> 21 | <input checked="" type="checkbox"/> 22 | <input checked="" type="checkbox"/> 23 | <input checked="" type="checkbox"/> 24 |
| <input checked="" type="checkbox"/> 25 | <input checked="" type="checkbox"/> 26 | <input checked="" type="checkbox"/> 27 | <input checked="" type="checkbox"/> 28 | <input checked="" type="checkbox"/> 29 | <input checked="" type="checkbox"/> 30 |
| <input checked="" type="checkbox"/> 31 | | | | | |

[Clear all](#)Time ?

- | | | | | | |
|---|---|---|---|---|---|
| <input checked="" type="checkbox"/> 00:00 | <input checked="" type="checkbox"/> 01:00 | <input checked="" type="checkbox"/> 02:00 | <input checked="" type="checkbox"/> 03:00 | <input checked="" type="checkbox"/> 04:00 | <input checked="" type="checkbox"/> 05:00 |
| <input checked="" type="checkbox"/> 06:00 | <input checked="" type="checkbox"/> 07:00 | <input checked="" type="checkbox"/> 08:00 | <input checked="" type="checkbox"/> 09:00 | <input checked="" type="checkbox"/> 10:00 | <input checked="" type="checkbox"/> 11:00 |
| <input checked="" type="checkbox"/> 12:00 | <input checked="" type="checkbox"/> 13:00 | <input checked="" type="checkbox"/> 14:00 | <input checked="" type="checkbox"/> 15:00 | <input checked="" type="checkbox"/> 16:00 | <input checked="" type="checkbox"/> 17:00 |
| <input checked="" type="checkbox"/> 18:00 | <input checked="" type="checkbox"/> 19:00 | <input checked="" type="checkbox"/> 20:00 | <input checked="" type="checkbox"/> 21:00 | <input checked="" type="checkbox"/> 22:00 | <input checked="" type="checkbox"/> 23:00 |

[Clear all](#)

Bagian Geographical area masukan latitude dan longitute atau koordinat wilayah
untuk data yang ingin di dowload

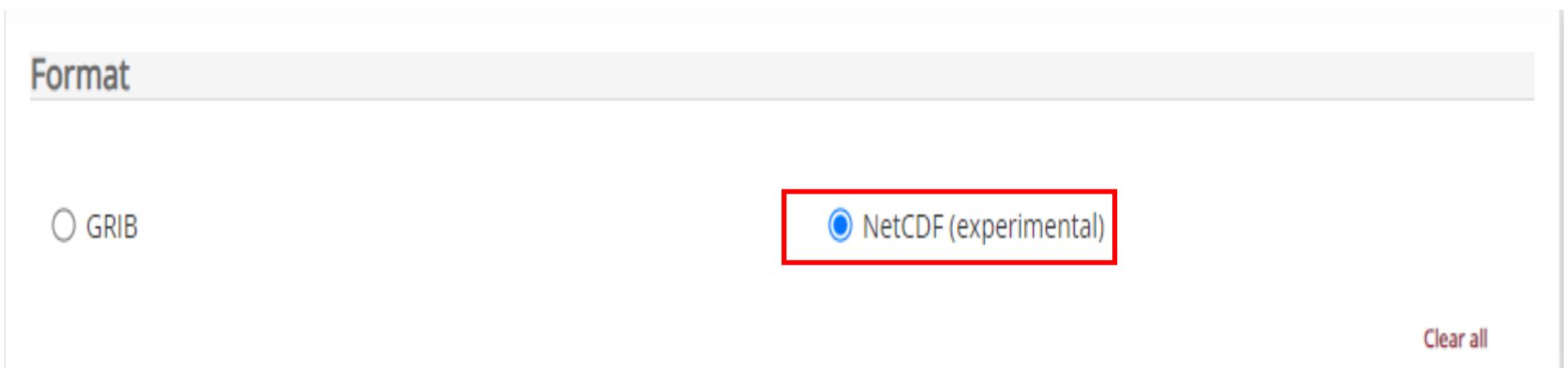
Geographical area ?

Whole available region
With this option selected the entire available area will be provided

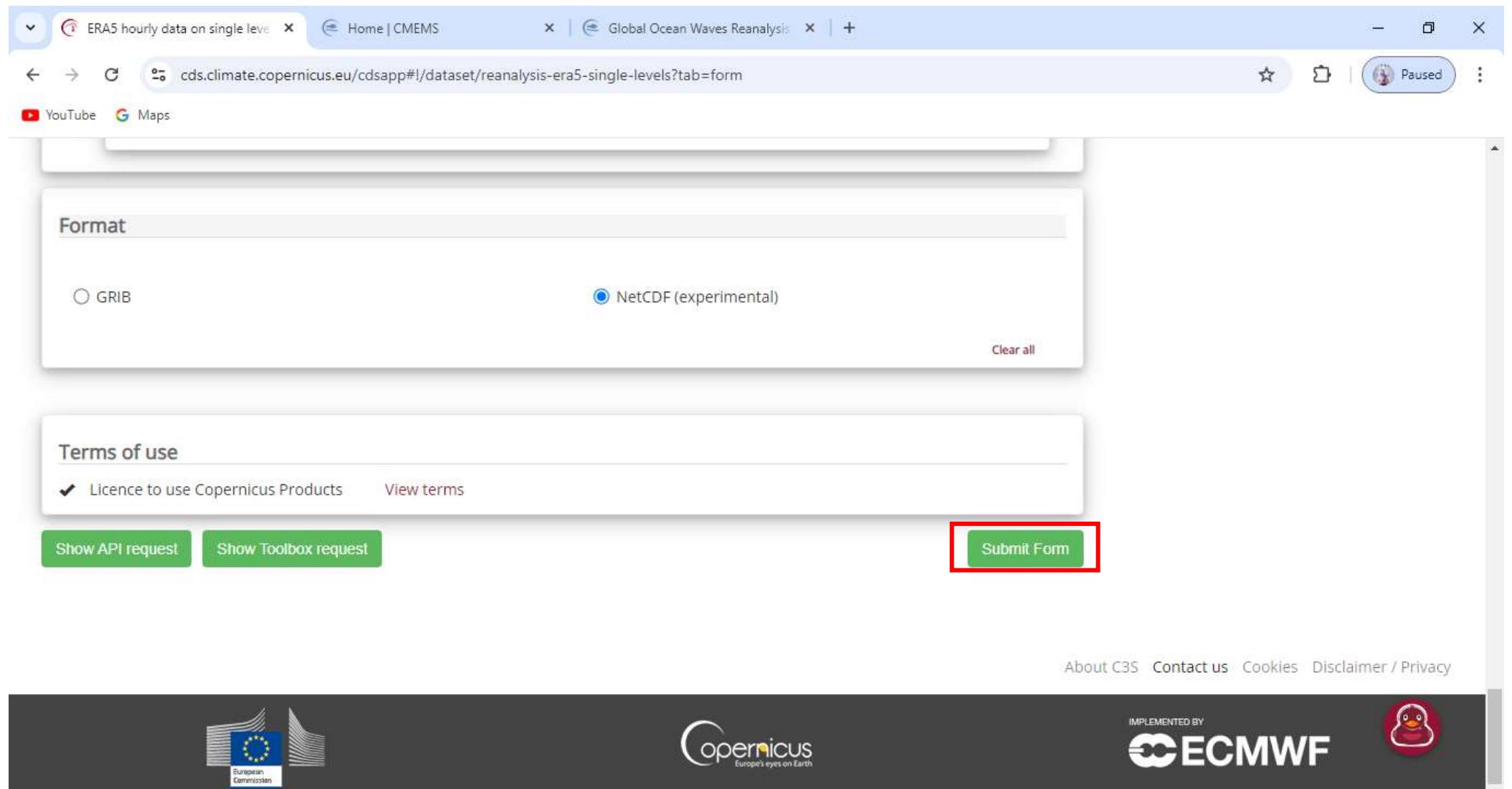
Sub-region extraction ?

North	<input type="text" value="-7.5"/>
West	<input type="text" value="113"/>
East	<input type="text" value="113.5"/>
South	<input type="text" value="-9"/>

Untuk bagian format pilih yang NetCDF



Setelah pengisian form data selanjutnya klik bagian **Submit form**



The screenshot shows a web browser window with two tabs open: 'ERA5 hourly data on single level' and 'Global Ocean Waves Reanalysis'. The main content is a form for selecting data format (GRIB or NetCDF experimental) and accepting terms of use. A red box highlights the 'Submit Form' button at the bottom right.

Format

GRIB NetCDF (experimental)

Clear all

Terms of use

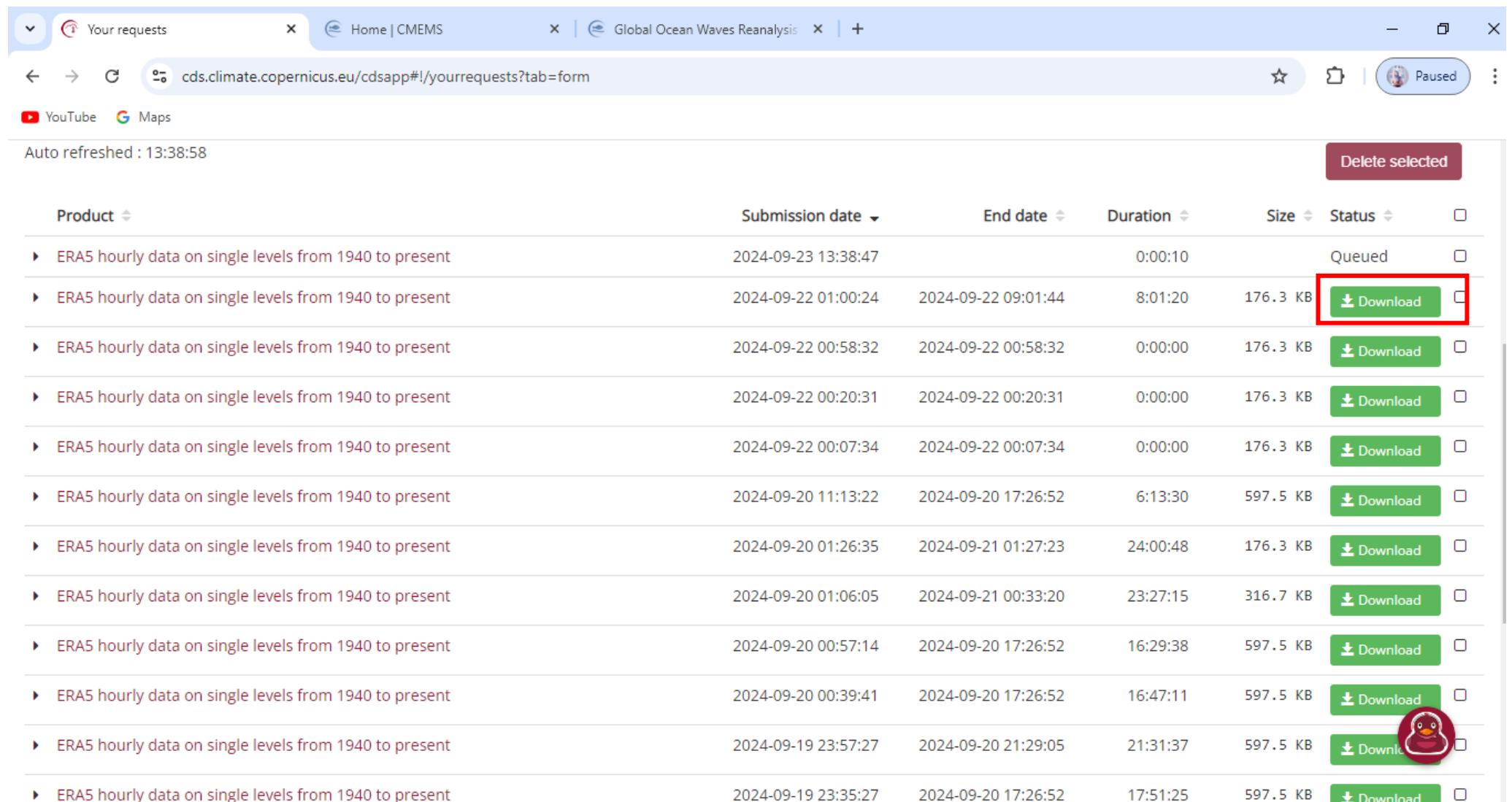
Licence to use Copernicus Products [View terms](#)

Show API request Show Toolbox request **Submit Form**

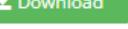
About C3S Contact us Cookies Disclaimer / Privacy

IMPLEMENTED BY   

Tunggu beberapa saat, dan setelah itu klik **Download** jika data sudah bisa di unduh



The screenshot shows a web browser window with three tabs: 'Your requests', 'Home | CMEMS', and 'Global Ocean Waves Reanalysis'. The 'Your requests' tab is active, displaying a table of download tasks. The table includes columns for Product, Submission date, End date, Duration, Size, Status, and a 'Delete selected' button. Each row represents a download task, with a 'Download' button in the last column. The second row's 'Download' button is highlighted with a red box. A small red circle with a white bird icon is overlaid on the bottom right corner of the table area.

Product	Submission date	End date	Duration	Size	Status	
▶ ERA5 hourly data on single levels from 1940 to present	2024-09-23 13:38:47		0:00:10		Queued	<input type="checkbox"/>
▶ ERA5 hourly data on single levels from 1940 to present	2024-09-22 01:00:24	2024-09-22 09:01:44	8:01:20	176.3 KB	 Download <input type="checkbox"/>	
▶ ERA5 hourly data on single levels from 1940 to present	2024-09-22 00:58:32	2024-09-22 00:58:32	0:00:00	176.3 KB	 Download <input type="checkbox"/>	
▶ ERA5 hourly data on single levels from 1940 to present	2024-09-22 00:20:31	2024-09-22 00:20:31	0:00:00	176.3 KB	 Download <input type="checkbox"/>	
▶ ERA5 hourly data on single levels from 1940 to present	2024-09-22 00:07:34	2024-09-22 00:07:34	0:00:00	176.3 KB	 Download <input type="checkbox"/>	
▶ ERA5 hourly data on single levels from 1940 to present	2024-09-20 11:13:22	2024-09-20 17:26:52	6:13:30	597.5 KB	 Download <input type="checkbox"/>	
▶ ERA5 hourly data on single levels from 1940 to present	2024-09-20 01:26:35	2024-09-21 01:27:23	24:00:48	176.3 KB	 Download <input type="checkbox"/>	
▶ ERA5 hourly data on single levels from 1940 to present	2024-09-20 01:06:05	2024-09-21 00:33:20	23:27:15	316.7 KB	 Download <input type="checkbox"/>	
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