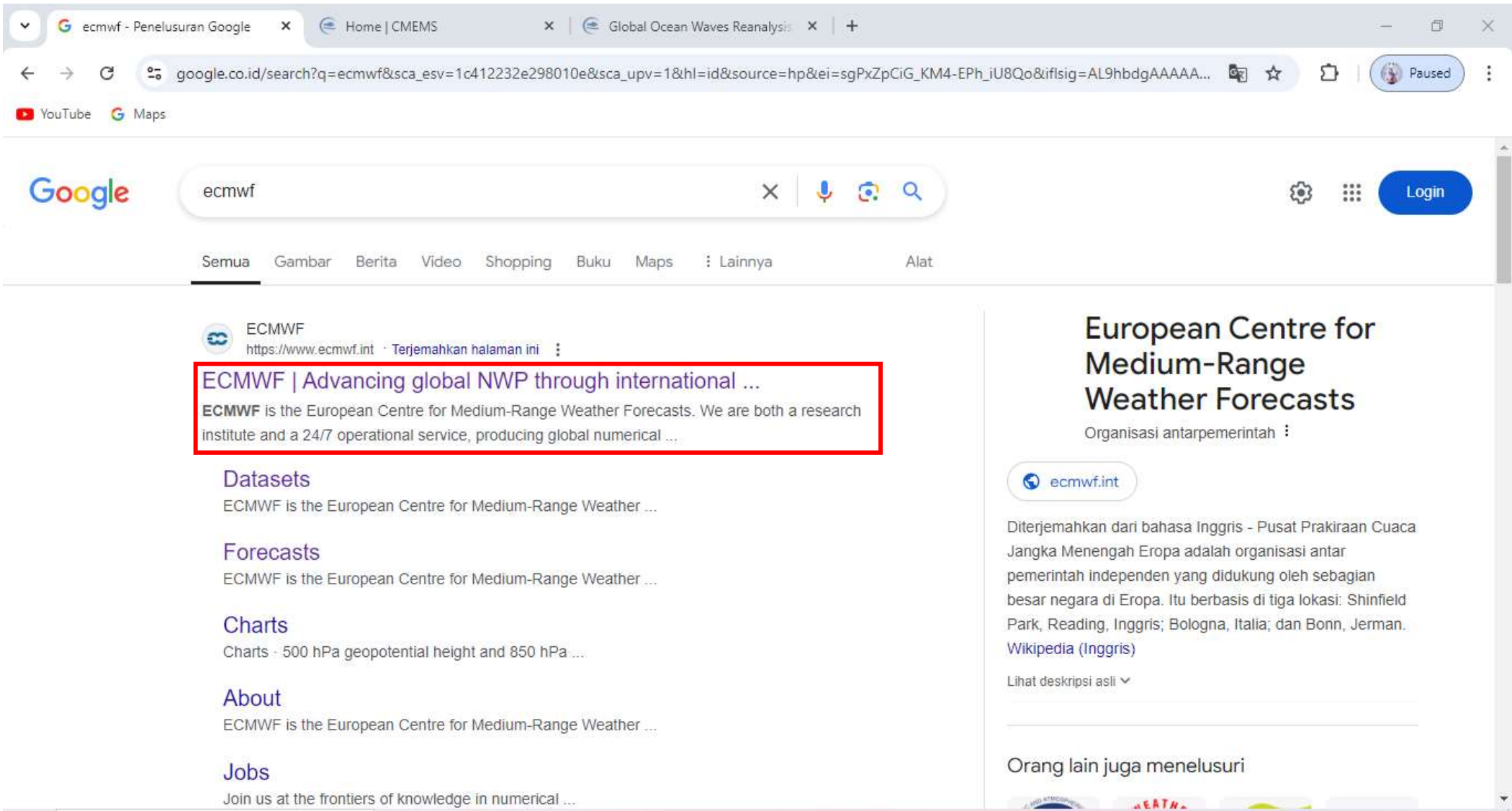


Pemetaan Ketinggian Gelombang

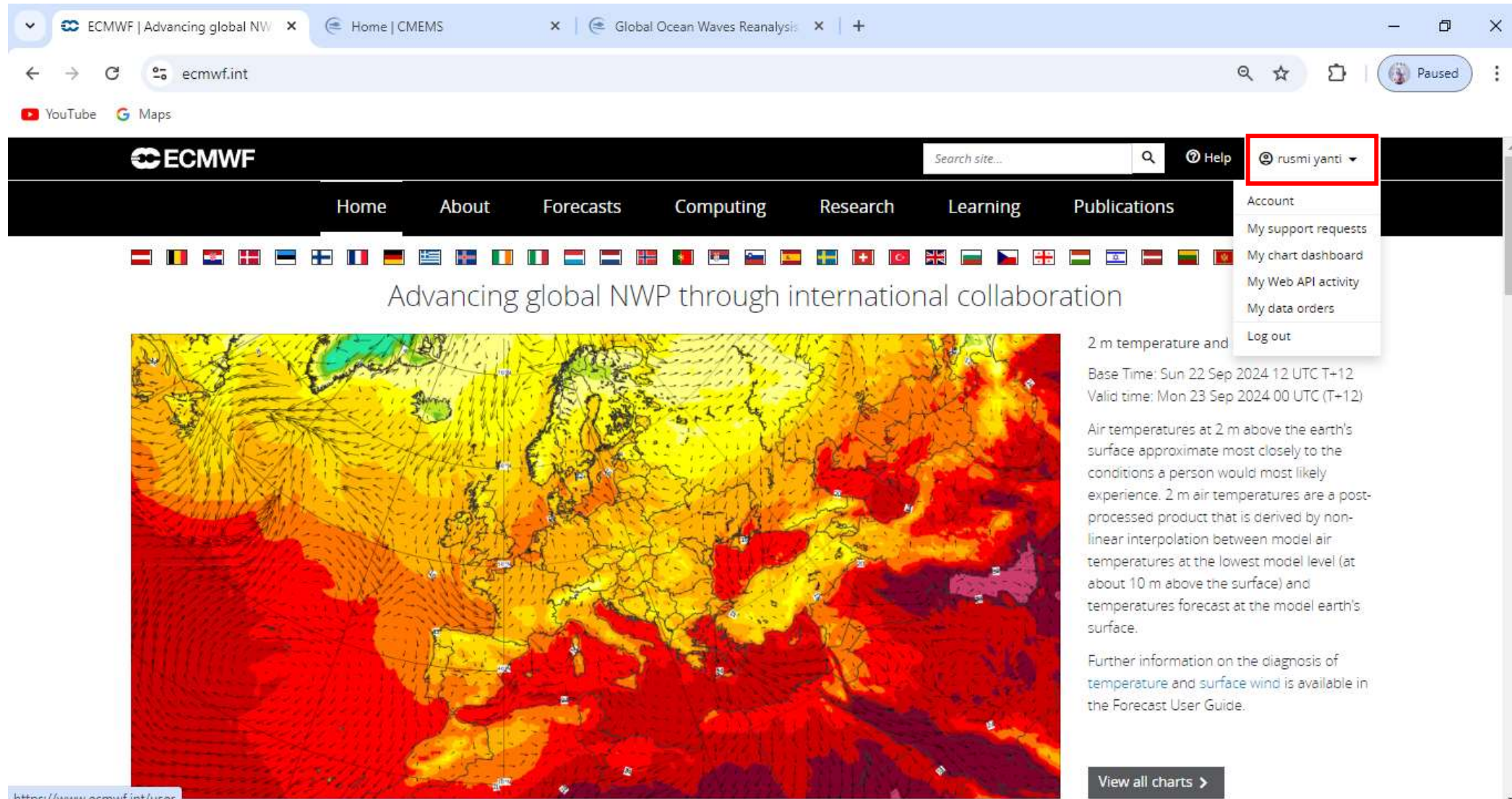
CARA MENDOWNLOAD DATA GELOMBANG DI ECMWF

Disusun oleh **Rusmiyanti, S.Kel**

Ketik ECMWFdi laman browser, kemudian pilih hasil penelusuran yang sudah ditandai

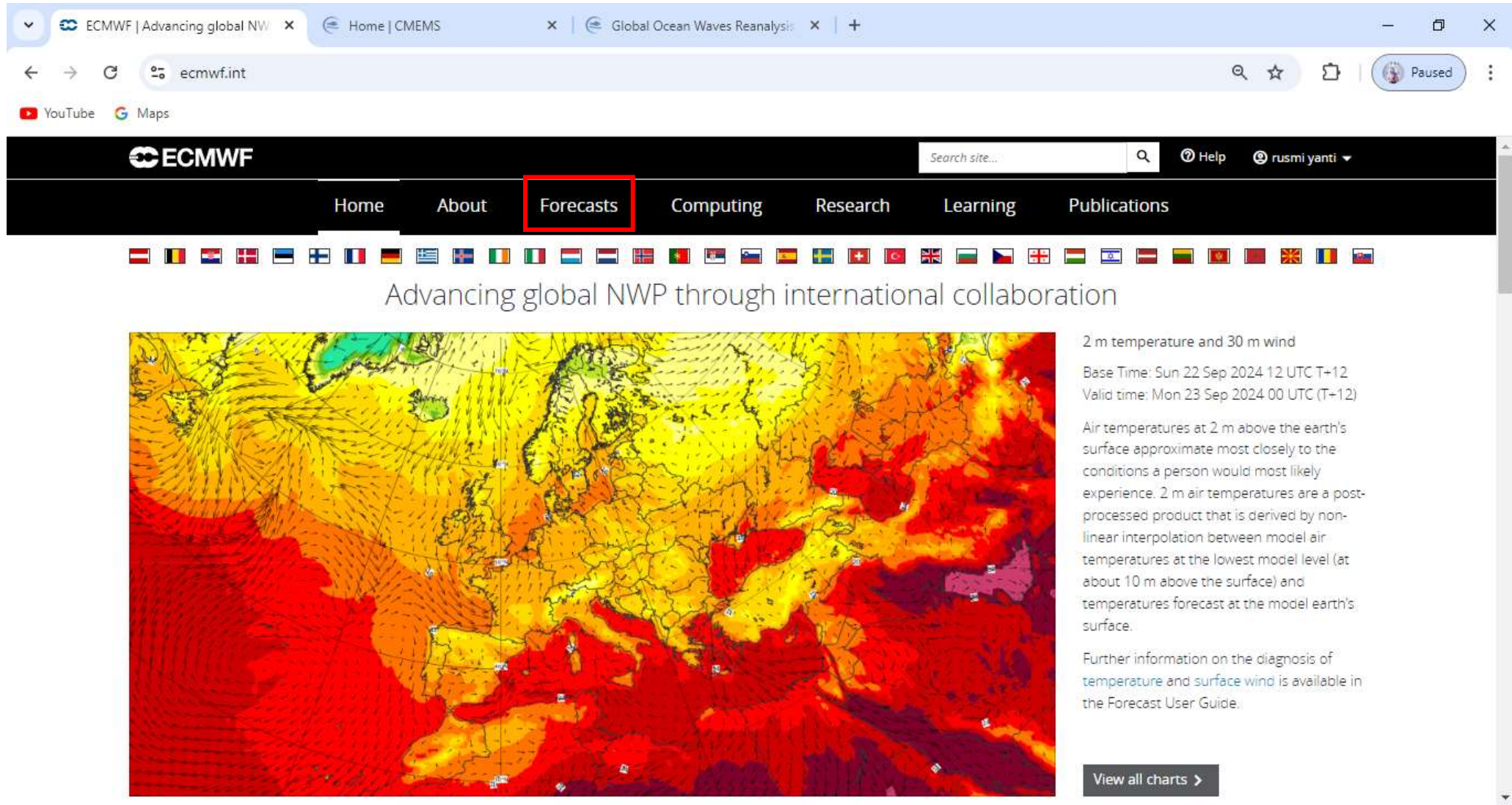


Lakukan login terlebih dahulu jika kalian sudah memiliki akun, jika belum maka
buat akun terlebih dahulu



The screenshot shows the ECMWF website interface. At the top, there are browser tabs for 'ECMWF | Advancing global NW...', 'Home | CMEMS', and 'Global Ocean Waves Reanalysis...'. The address bar shows 'ecmwf.int'. Below the browser window, the ECMWF logo is on the left, and a search bar and 'Help' link are on the right. A user profile dropdown menu is open, showing options: 'Account', 'My support requests', 'My chart dashboard', 'My Web API activity', 'My data orders', and 'Log out'. The user's name 'rusmi yanti' is visible in the dropdown. Below the navigation bar, there is a row of flags representing various countries. The main heading reads 'Advancing global NWP through international collaboration'. Below this is a large weather map of Europe and surrounding regions, showing temperature and wind patterns. To the right of the map, there is text describing the data: '2 m temperature and', 'Base Time: Sun 22 Sep 2024 12 UTC T+12', 'Valid time: Mon 23 Sep 2024 00 UTC (T+12)', and a paragraph explaining that the data is a post-processed product derived by non-linear interpolation. A 'View all charts >' button is at the bottom right of the map area.

Kemudian pilih menu **Forecast**



Selanjutnya pilih **Datasets**

The screenshot shows the ECMWF website interface. The browser tabs at the top include 'Forecasts | ECMWF', 'Home | CMEMS', and 'Global Ocean Waves Reanalysis'. The address bar shows 'ecmwf.int/en/forecasts'. The main navigation bar has links for 'Home', 'About', 'Forecasts', 'Computing', 'Research', 'Learning', and 'Publications'. Below this, a secondary navigation bar contains 'Charts', 'Datasets' (highlighted with a red box), 'Quality of our forecasts', 'About our forecasts', and 'Access to forecasts'. The main content area on the left is titled 'Forecast charts and data' and contains text about global forecasts and reanalyses. On the right, there is a large map of Europe and surrounding regions with a color-coded overlay (yellow, orange, red) and contour lines, likely representing a meteorological or oceanographic dataset.

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

The screenshot shows the ECMWF website's 'Datasets' page. The browser tabs include 'Datasets | ECMWF', 'Home | CMEMS', and 'Global Ocean Waves Reanalysis'. The address bar shows 'ecmwf.int/en/forecasts/datasets'. The ECMWF logo and navigation menu are at the top. The 'Datasets' sub-menu is active, showing options like 'Charts', 'Datasets', 'Quality of our forecasts', 'About our forecasts', and 'Access to forecasts'. The main content area is divided into three columns. The middle column, 'Archived data', is highlighted with a red box and contains a sub-link 'Reanalysis datasets', which is also highlighted with a red box. Other links in the 'Archived data' column include 'Popular: ERA5', 'Data in the MARS Catalogue', 'Data in the Catalogue of ECMWF Archive Products', 'Free public datasets', 'Copernicus Climate Data Store', and 'Copernicus Atmosphere Data Store'. The right column, 'How to access ECMWF data', includes links for 'Computer access', 'Web API access', 'Licences available', 'Ordering', and 'Real-time data delivery'.

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

▼

Browse reanalysis datasets | ECMWF

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Home | CMEMS

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Global Ocean Waves Reanalysis

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ecmwf.int/en/forecasts/datasets/browse-reanalysis-datasets

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Home

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Forecasts

Computing

Research

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Publications

Charts

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Access to forecasts

Browse reanalysis datasets

ECMWF uses its 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
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

Diterbitkan oleh Nusantara Geosains Institut. Apabila ditemukan kesalahan informasi dalam dokumen ini, harap menghubungi kami melalui email: ngi.geosains@gmail.com | HP: [+62 851-2102-9441](tel:+6285121029441) (Whatsapp).

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

←

→

↺

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

☆

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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

ERA5 January 2010, Mean Speed in Temperature

ERA5 January 2010, Mean Speed in Temperature

ERA5 Global Monthly Mean Temperature Anomalies - Pressure Levels relative to 1981-2010

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

ERA5 hourly data on single levels from 1940 to present

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.

Overview Download data Quality assessment Documentation

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 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

ERA5 January 2018, Mean Spread in Temperature

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Publication date

Setelah itu pilih menu **Download data**

ERA5 hourly data on single level

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Global Ocean Waves Reanalysis

cds.climate.copernicus.eu/cdsapp#!/dataset/reanalysis-era5-single-levels?tab=overview

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IMPLEMENTED BY





rusmi yanti

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Live

Climate Atlas

ERA5 hourly data on single levels from 1940 to present

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Overview

Download data

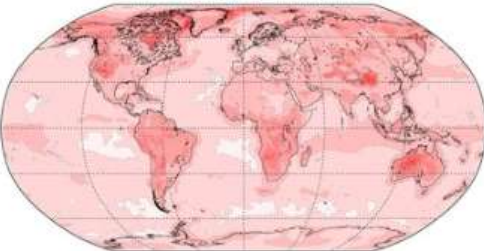
Quality assessment

Documentation

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 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

ERA5 January 2018, Mean Spread in Temperature



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

ERAS hourly data on single level

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Global Ocean Waves Reanalysis

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Product type

At least one selection must be made

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☐ Ensemble members

☐ Ensemble mean

☐ Ensemble spread

Select all

Variable ?

Popular

Temperature and pressure

Wind

Mean rates

Radiation and heat

Clouds

Lakes

Evaporation and runoff

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Publication date

2018-06-14

Resource updated

2024-09-23

References

Citation

Acknowledgement

DOI: 10.24381/cds.adbb2d47

Related data

Complete ERA5 global atmospheric

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

ERA5 hourly data on single level

Home | CMEMS

Global Ocean Waves Reanalysis

cds.climate.copernicus.eu/cdsapp#!/dataset/reanalysis-era5-single-levels?tab=form

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Product type

☒ Reanalysis

☐ Ensemble members

☐ Ensemble mean

☐ Ensemble spread

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Publication date

2018-06-14

Resource updated

2024-09-23

References

Citation

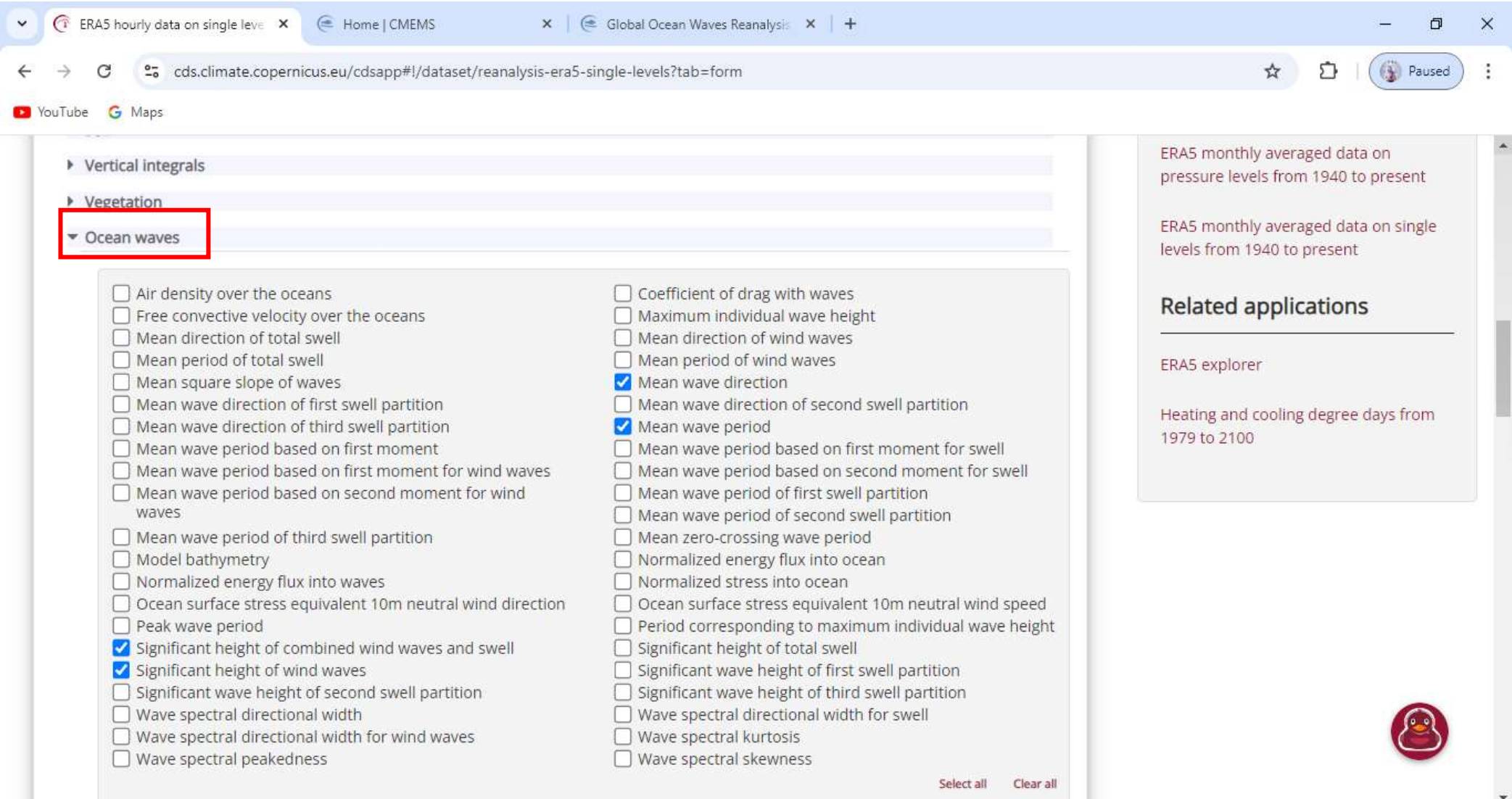
Acknowledgement

DOI: 10.24381/cds.adbb2d47

Related data

Complete ERA5 global atmospheric reanalysis

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



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

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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
-7.5

West
113

East
113.5

South
-9

Untuk bagian format pilih yang NetCDF

Format

☐ GRIB

☒ NetCDF (experimental)

Clear all

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

The screenshot shows a web browser window with the URL `cds.climate.copernicus.eu/cdsapp#!/dataset/reanalysis-era5-single-levels?tab=form`. The page contains two main sections:

- Format:** A section with two radio buttons: ☐ GRIB and ☒ NetCDF (experimental). A [Clear all](#) link is located at the bottom right of this section.
- Terms of use:** A section with a checked checkbox ☒ Licence to use Copernicus Products and a [View terms](#) link.

At the bottom of the form, there are three green buttons: [Show API request](#), [Show Toolbox request](#), and [Submit Form](#). The [Submit Form](#) button is highlighted with a red rectangular border.

Below the form, there is a footer with links: [About C3S](#), [Contact us](#), [Cookies](#), and [Disclaimer / Privacy](#). The footer also features logos for the European Commission, Copernicus (Europe's eyes on Earth), and ECMWF (Implemented by).

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

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Global Ocean Waves Reanalysis

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Auto refreshed : 13:38:58

Delete selected

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	☐
▶ 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	☐
▶ 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	☐
▶ 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	☐
▶ 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	☐
▶ 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	☐
▶ 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	☐
▶ 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	☐
▶ ERA5 hourly data on single levels from 1940 to present	2024-09-20 00:57:14	2024-09-20 17:26:52	16:29:38	597.5 KB	Download	☐
▶ ERA5 hourly data on single levels from 1940 to present	2024-09-20 00:39:41	2024-09-20 17:26:52	16:47:11	597.5 KB	Download	☐
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