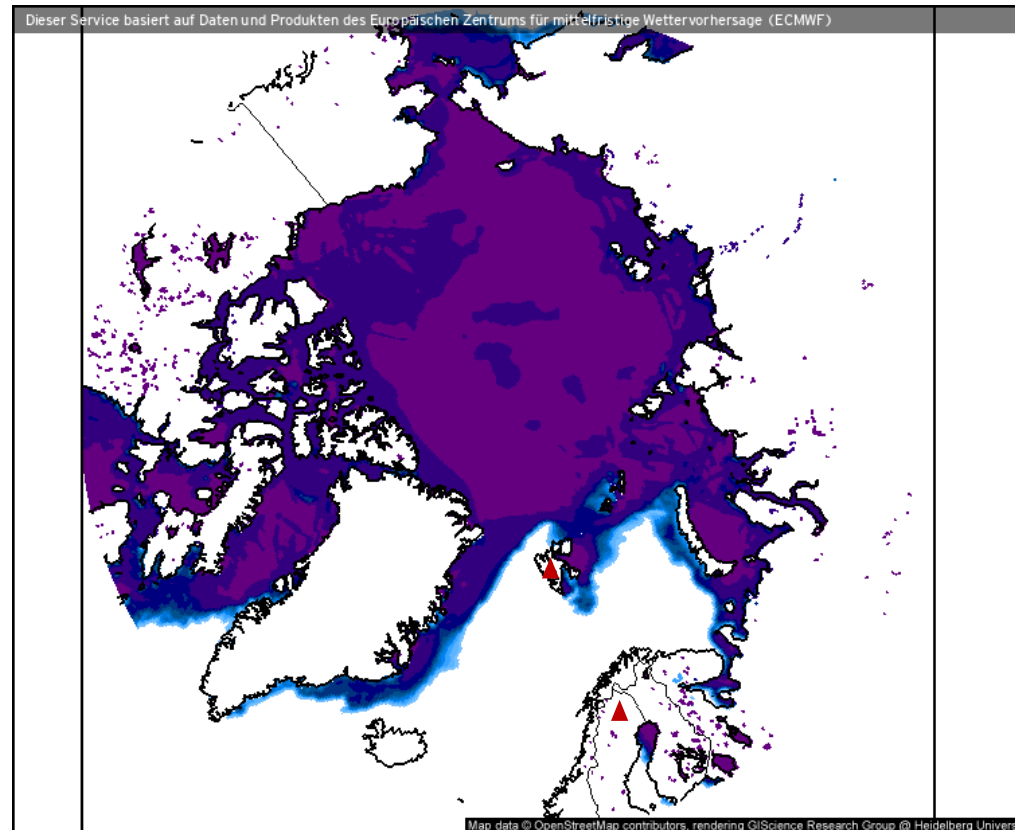


Weather observations  
31.03.2021

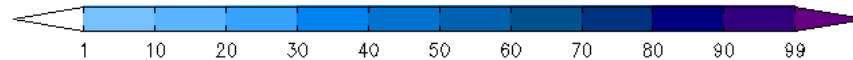
# 31.03.2021 00 UTC

## Sea ice fraction



Eisbedeckung (Meere und Seen) (%)

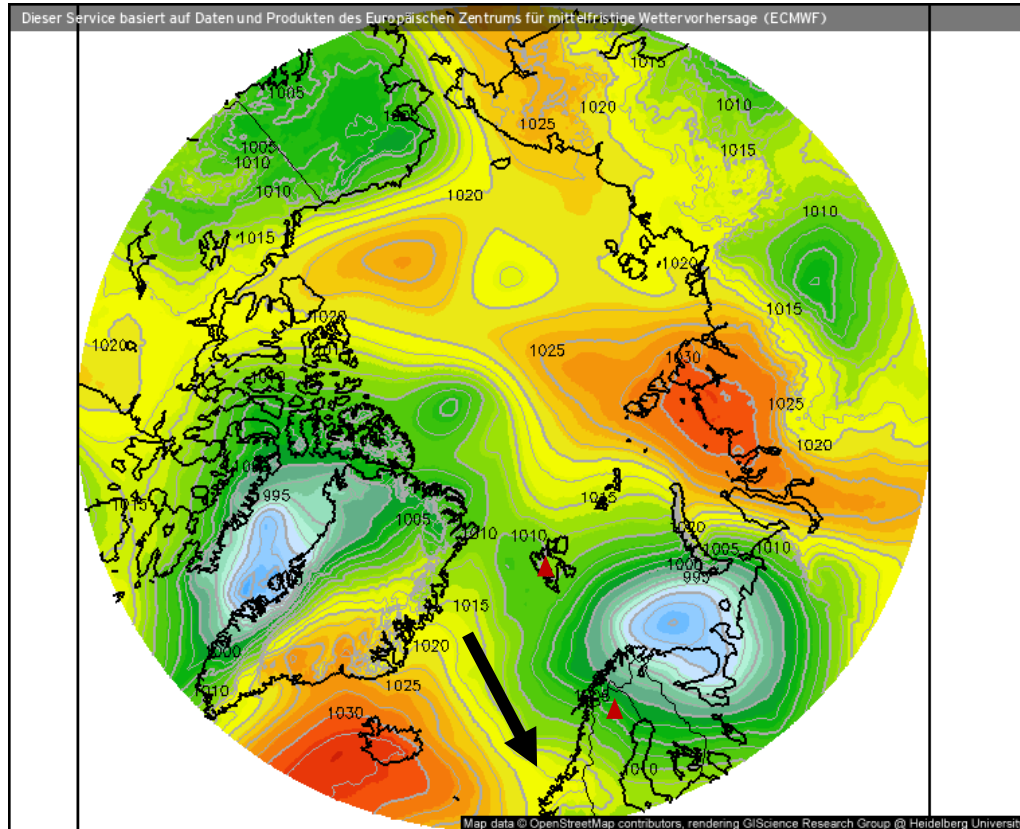
Prognose für  
Mi. 31.03.2021, 02:00 Uhr MESZ



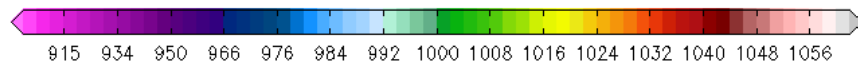
Nordpol  
ECMWF/Global Euro HD vom 31.03.2021/00z

# 31.03.2021 00 UTC

## Surface air pressure



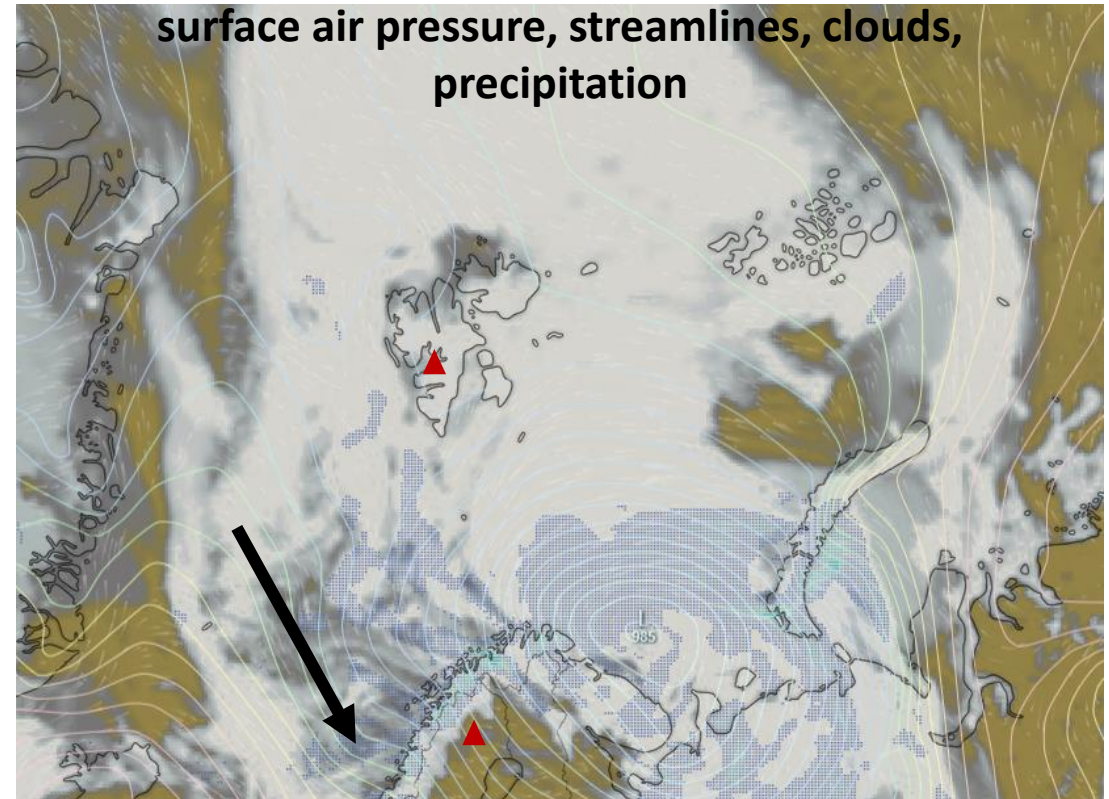
Luftdruck auf Meereshöhe (hPa)



Nordpol  
ECMWF/Global Euro HD vom 31.03.2021/00Z

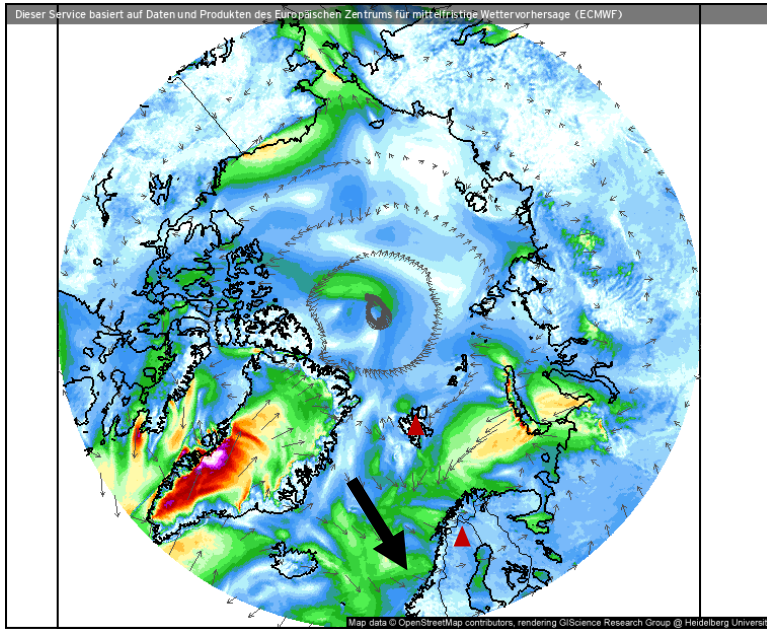
Prognose für  
Mi. 31.03.2021, 02:00 Uhr MESZ

- Low moved eastwards, now over Barents Sea, High southwest of Iceland
- northwesterly flow over North Atlantic

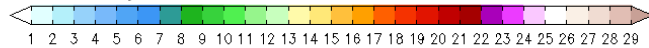


# 31.03.2021 00 UTC

## Wind speed and streamlines

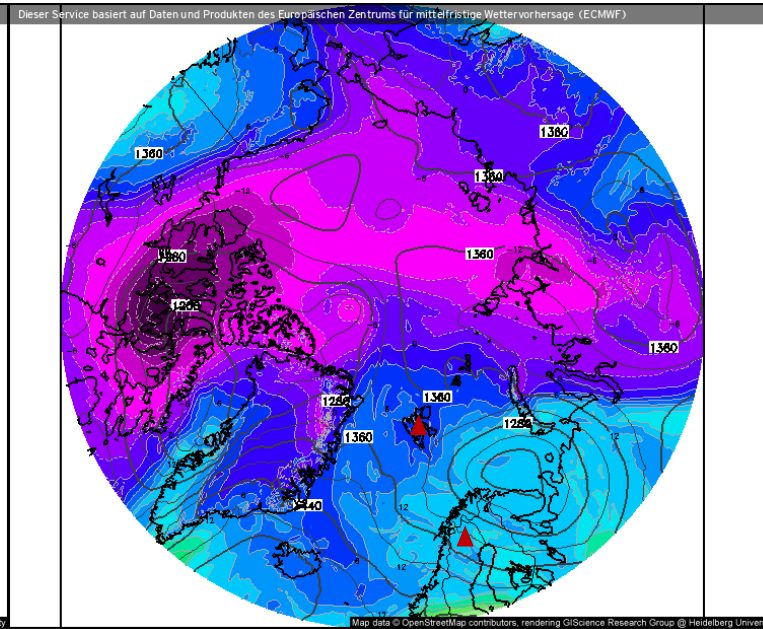


Windrichtung und Windmittel (m/s)



Prognose für  
Mi. 31.03.2021, 02:00 Uhr MESZ

## Theta-E and geopotential (850 hPa)

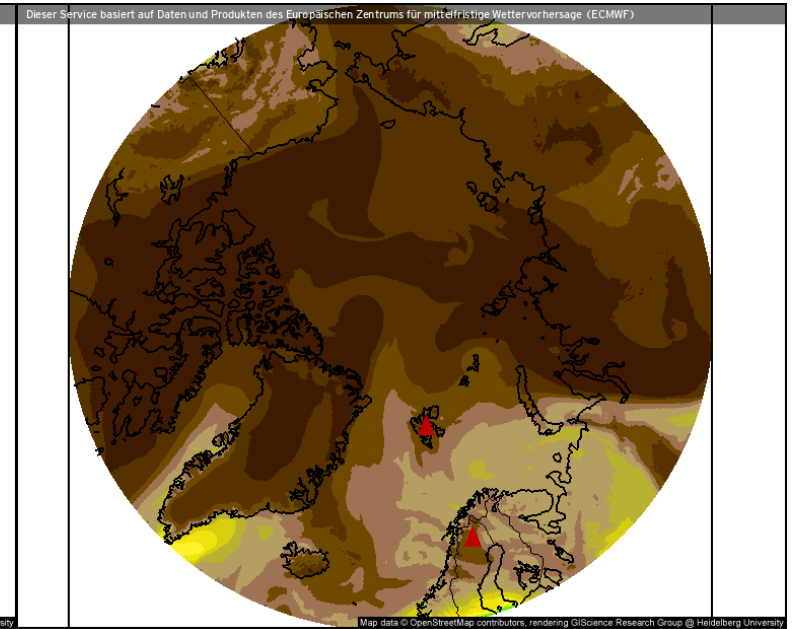


Theta-E und Geopot, 850hPa (°C)

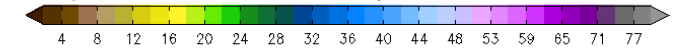


Prognose für  
Mi. 31.03.2021, 02:00 Uhr MESZ

## Precipitable water



Atmosphärisches Niederschlagswasser (mm)



Prognose für  
Mi. 31.03.2021, 02:00 Uhr MESZ

Nordpol  
ECMWF/Global Euro HD vom 31.03.2021/00z

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ECMWF/Global Euro HD vom 31.03.2021/00z

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WETTER HD

Nordpol  
ECMWF/Global Euro HD vom 31.03.2021/00z

ECMWF kachelmannwetter.com  
WETTER HD

- No strong winds around Svalbard
- No significant large scale flows around Svalbard





# 31.03.2021 – Situation at the airports

## Kiruna

### Kiruna Airport

Kiruna, Sweden

latitude: 67-49N, longitude: 020-20E,  
elevation: 452 m

Time: 09:15 (07:15 UTC)

#### Forecast

The report was made **1 hour and 45 minutes** ago, at **05:30 UTC**

Forecast valid from 31 at 06 UTC to 31 at 15 UTC

Wind **8 kt** from the **West**

Visibility **10 km** or more

no clouds below 1500 m and no cumulonimbus

*Becoming*  
from 31 at 07 UTC to 31 at 09 UTC

Wind **15 kt** from the **North/Northwest** with gusts up to **25 kt**

#### Current weather observation

The report was made **25 minutes** ago, at **06:50 UTC**

Wind **11 kt** from the **Northwest**

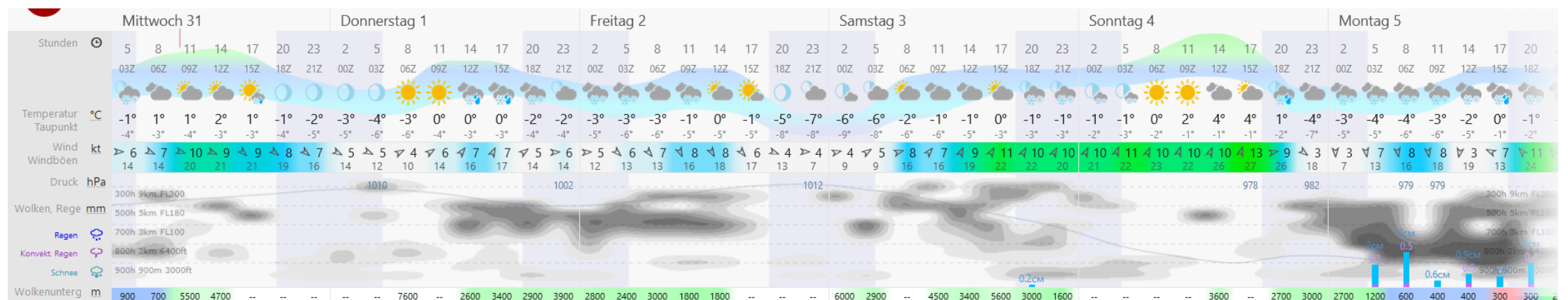
Temperature **2°C**

Humidity **69%**

Pressure **1002 hPa**

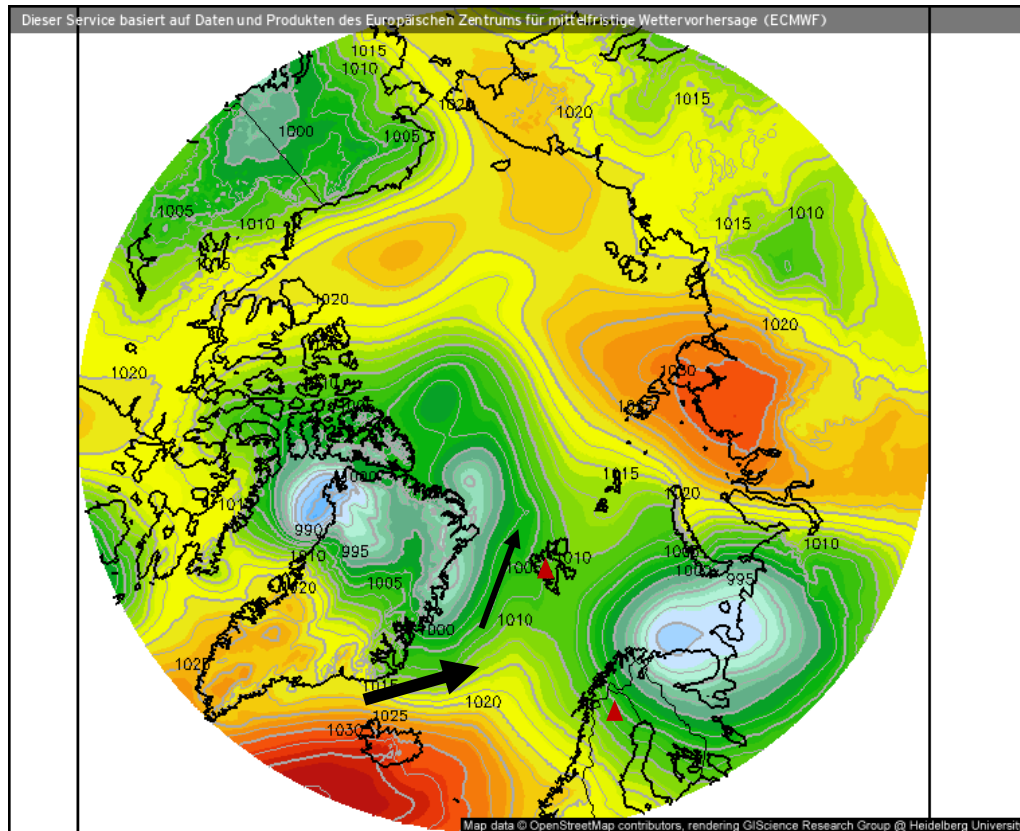
Visibility **10 km** or more

[Change units](#)



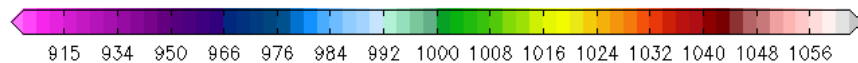
# 31.03.2021 12 UTC

## Surface air pressure



- Low over Barents Sea further weakens
- Formation of new Low over northeastern coast of Greenland
- High southeast of Iceland strengthens
- Southerly flow in the Fram Strait originating from Greenland → dry

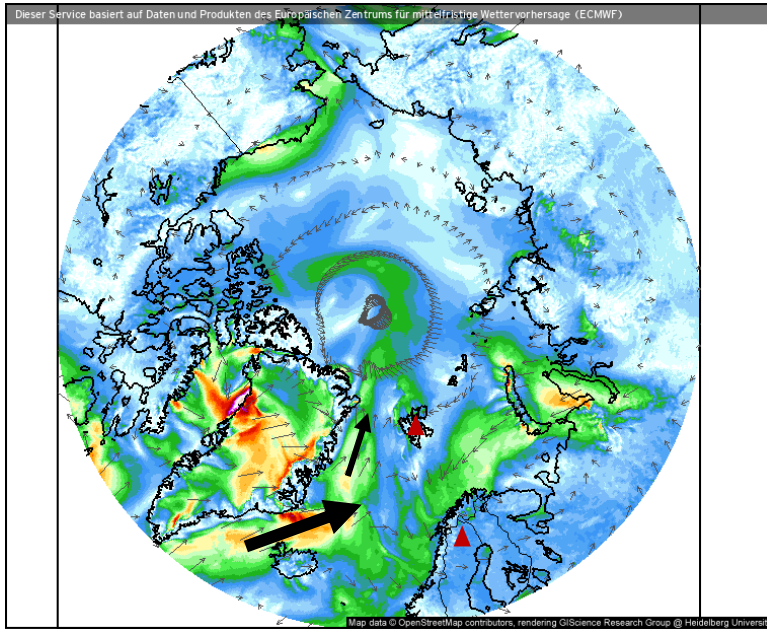
Luftdruck auf Meereshöhe (hPa)



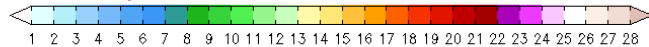
Prognose für  
Mi. 31.03.2021, 14:00 Uhr MESZ

# 31.03.2021 12 UTC

## Wind speed and streamlines



Windrichtung und Windmittel (m/s)

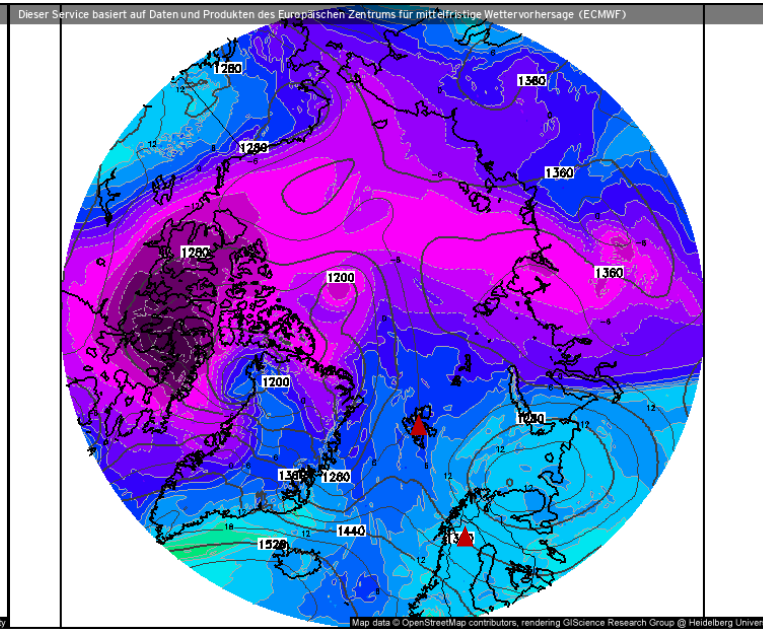


Prognose für  
Mi. 31.03.2021, 14:00 Uhr MESZ

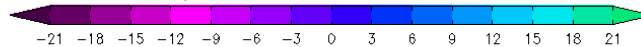
Nordpol  
ECMWF/Global Euro HD vom 31.03.2021/12z

ECMWF kachelmannwetter.com  
WETTER HD

## Theta-E and geopotential (850 hPa)



Theta-E und Geopot, 850hPa (°C)

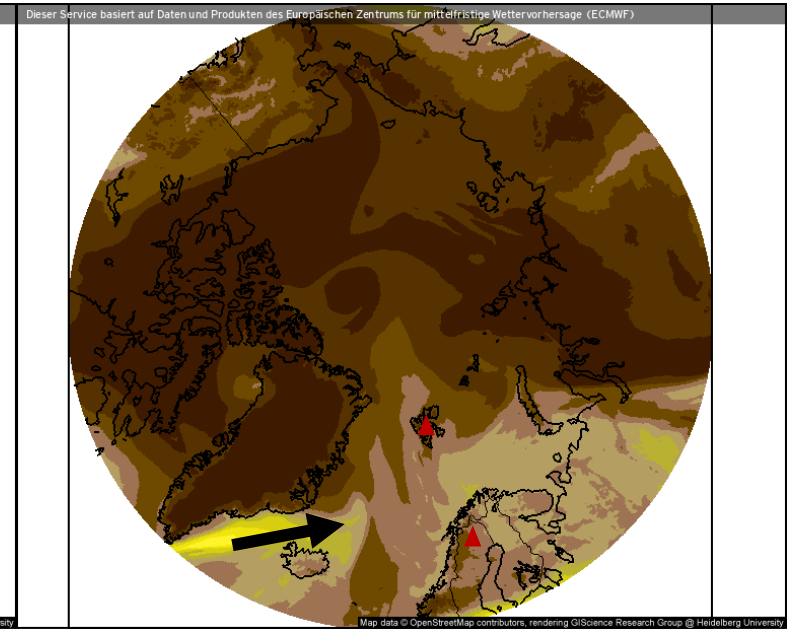


Prognose für  
Mi. 31.03.2021, 14:00 Uhr MESZ

Nordpol  
ECMWF/Global Euro HD vom 31.03.2021/12z

ECMWF kachelmannwetter.com  
WETTER HD

## Precipitable water



Atmosphärisches Niederschlagswasser (mm)



Prognose für  
31.03.2021, 14:00 Uhr MESZ

Nordpol  
ECMWF/Global Euro HD vom 31.03.2021/12z

ECMWF kachelmannwetter.com  
WETTER HD

- Southerly wind in the Fram Strait
- No significant intrusion of moisture into Fram Strait (dry air mass)

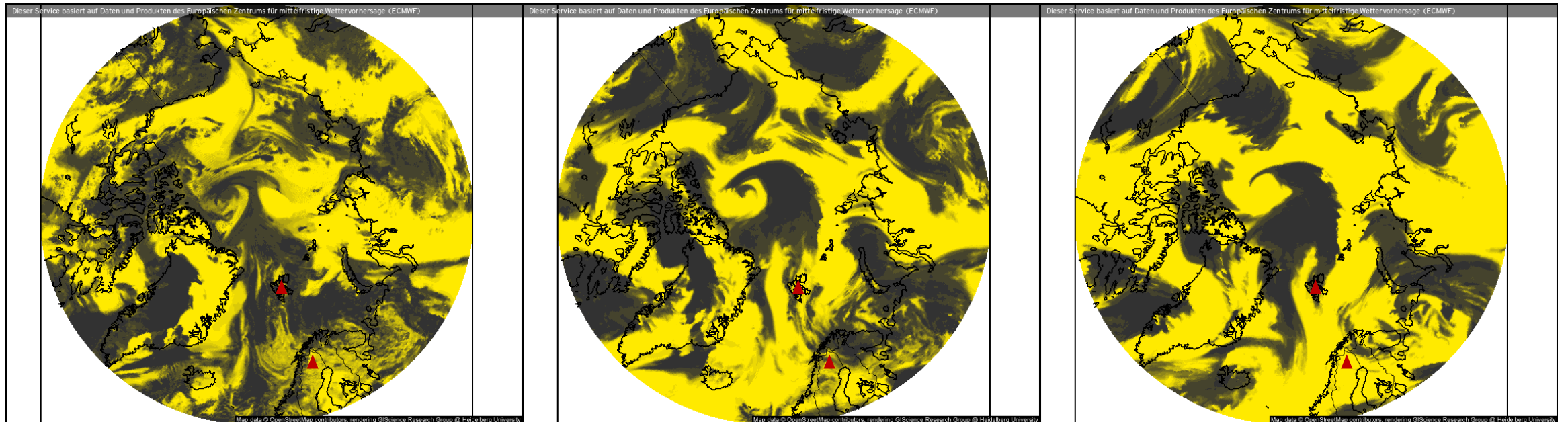


# 31.03.2021 13 UTC

## Low-level clouds

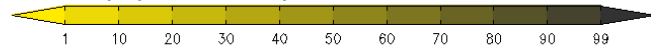
## Mid-level clouds

## High-level clouds



Bedeckungsgrad, niedrige Wolken (%)

Prognose für  
Mi. 31.03.2021, 15:00 Uhr MESZ

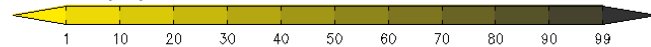


Nordpol  
ECMWF/Global Euro HD vom 31.03.2021/12z

ECMWF kachelmannwetter.com  
WETTER HD

Bedeckungsgrad, mittlere Wolken (%)

Prognose für  
Mi. 31.03.2021, 15:00 Uhr MESZ

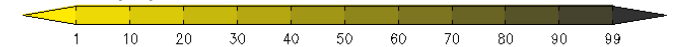


Nordpol  
ECMWF/Global Euro HD vom 31.03.2021/12z

ECMWF kachelmannwetter.com  
WETTER HD

Bedeckungsgrad, hohe Wolken (%)

Prognose für  
Mi. 31.03.2021, 15:00 Uhr MESZ



Nordpol  
ECMWF/Global Euro HD vom 31.03.2021/12z

ECMWF kachelmannwetter.com  
WETTER HD

- Lots of low-level clouds around Svalbard
- Mid-level cloud band over west coast of Svalbard

# 31.03.2021

