ecCharts – latest updates
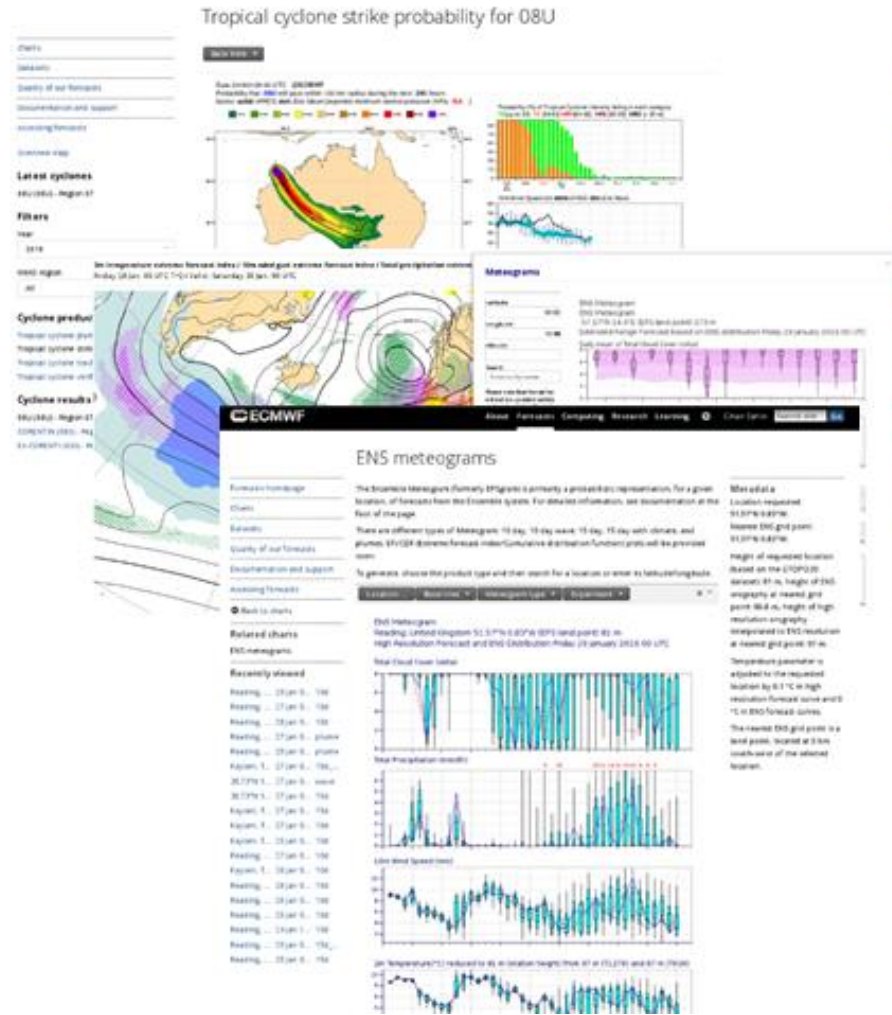
Please join me for a more detailed presentation on Friday
at 11:15 (BST)

Cihan Sahin
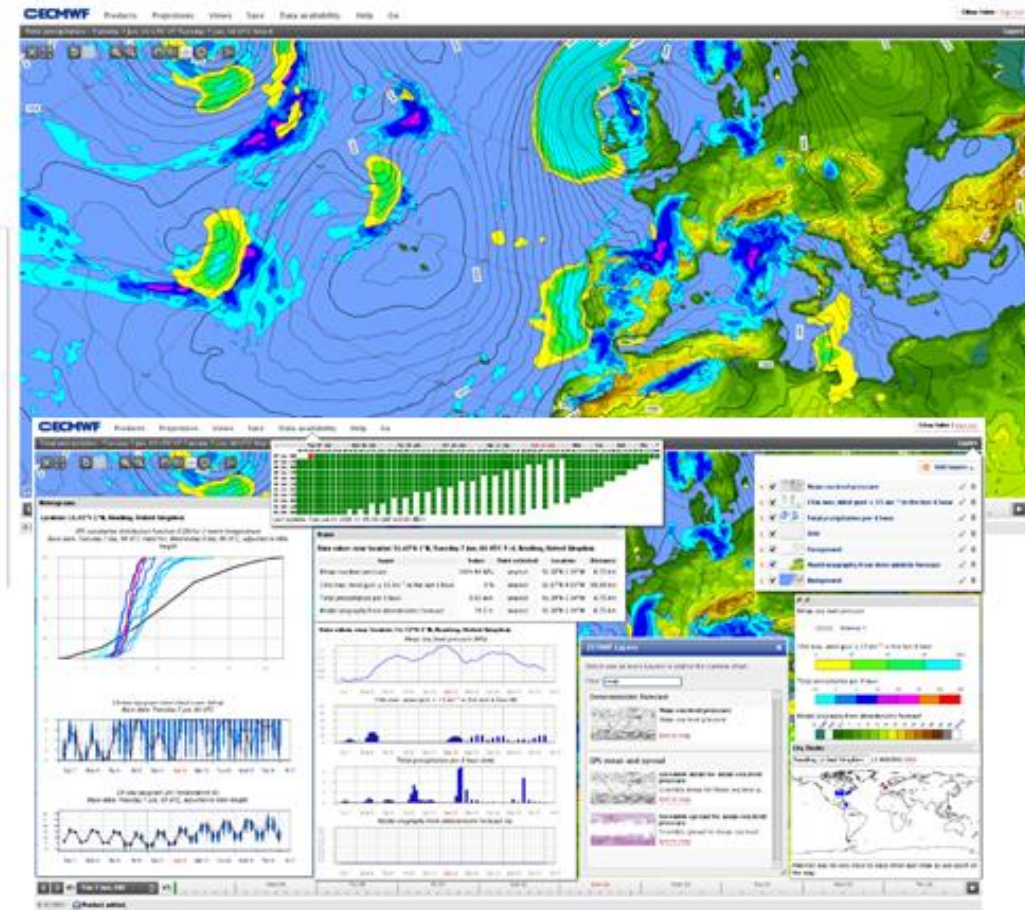
Cihan.sahin@ecmwf.int

ECMWF

ECMWF graphical products

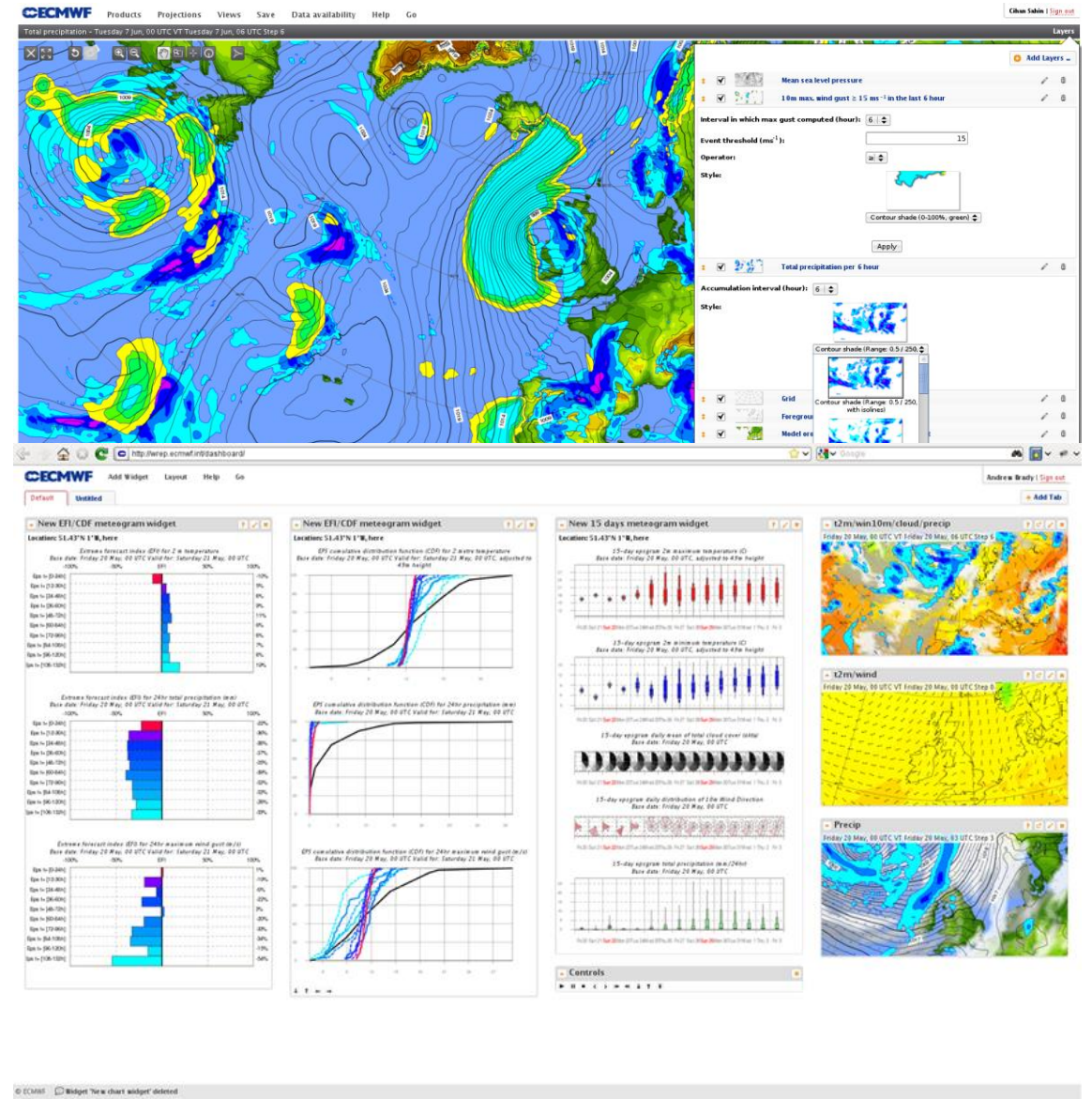Opencharts (Public access)

ecCharts (Restricted access)

ecCharts

Web based interactive application to inspect and visualize ECMWF medium-range and extended-range data.

- Rich and growing content
- Web based immediate access to charts
- Native data resolution
- Interactive features (overlay, zoom, pan, click, extract data information, …)
- User controlled visualization
- Customisable parameters
- Download charts (through WMS)

URL
https://www.ecmwf.int/en/forecasts/eccharts

Update procedure

- Product updates are done twice a year June and November.

- Requests are collected via meetings, requests coming to ECMWF documentation pages, e-mails, Training courses …

- ecCharts will contain only parameters that are in [The Catalogue of ECMWF Real-Time Products](#)

- Full information available in ecCharts documentation pages.
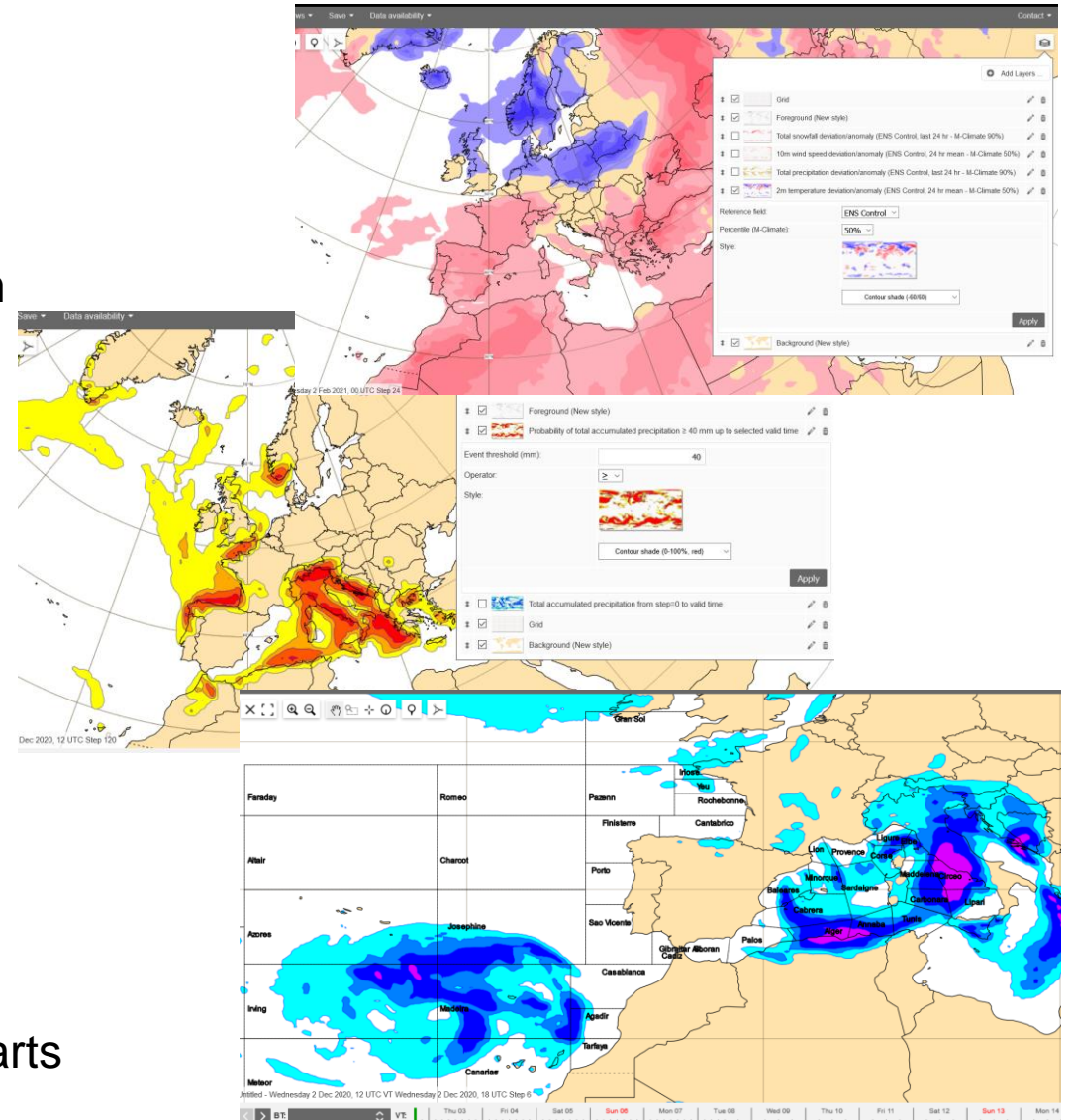

You can follow the updates here;

https://software.ecmwf.int/wiki/display/ECCHARTS/Updates

Please contact us if you wish to see additional parameters in ecCharts.

ECMWF

2020 updates

- Medium range deviation/anomalies (2mT, 10m wind speed, total precipitation, total snowfall)
- ENS probabilities (total accumulated precipitation, 10m wind speed)
- ENS mean/spread (10m wind, 2mT, 100m wind, total precipitation)
- 12 hourly steps are added to all Model climate layers
- 0-6 km shear
- Extended range CDF diagrams (Temperature, Precipitation)
- Maritime borders
- Sharing content between ecCharts users
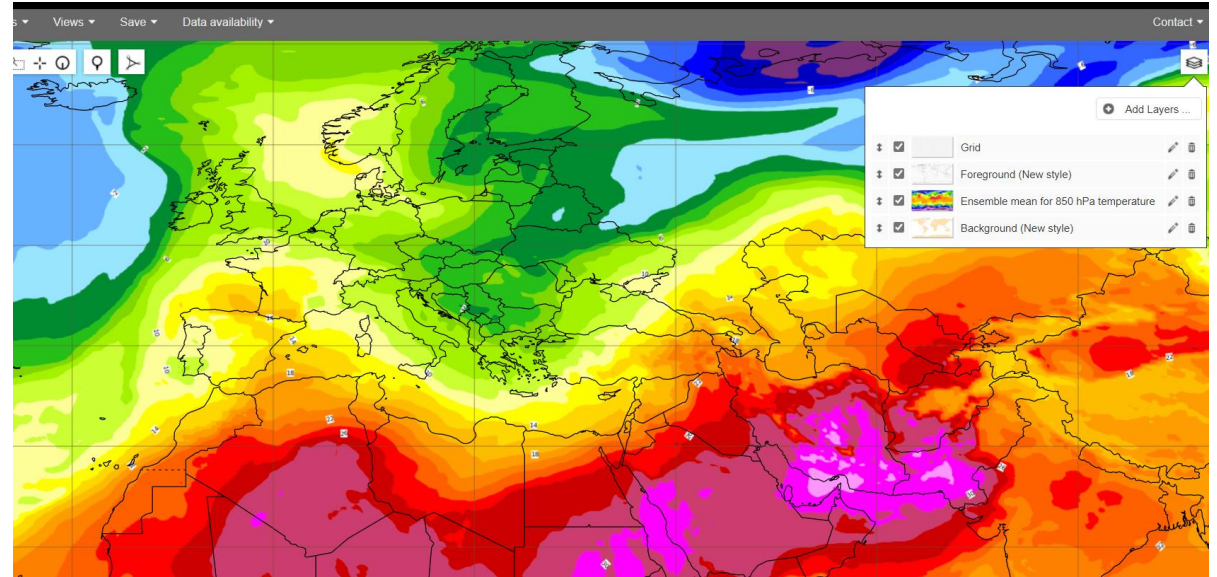 - Product, projection
  - Dashboard item or Dashboard tab

https://confluence.ecmwf.int/display/ECCHARTS/ecCharts +updates+-+2020

2021 updates

More Ensemble layers

- Total accumulated precipitation mean

- 850 hPa temperature mean

- 850 hPa temperature probability

- 850 hPa temperature percentile

Better identification of selected locations

- Height information on probe and time-series windows (Altitude and HRES/ENS/Extended range model orography)
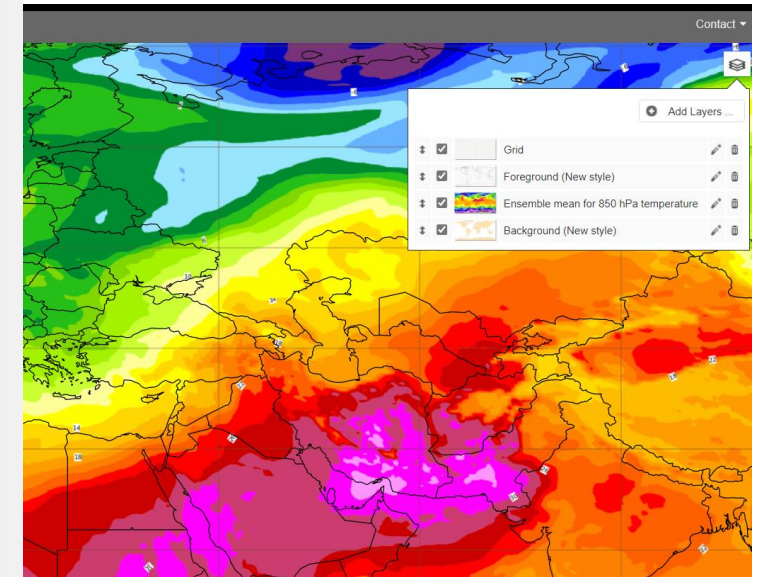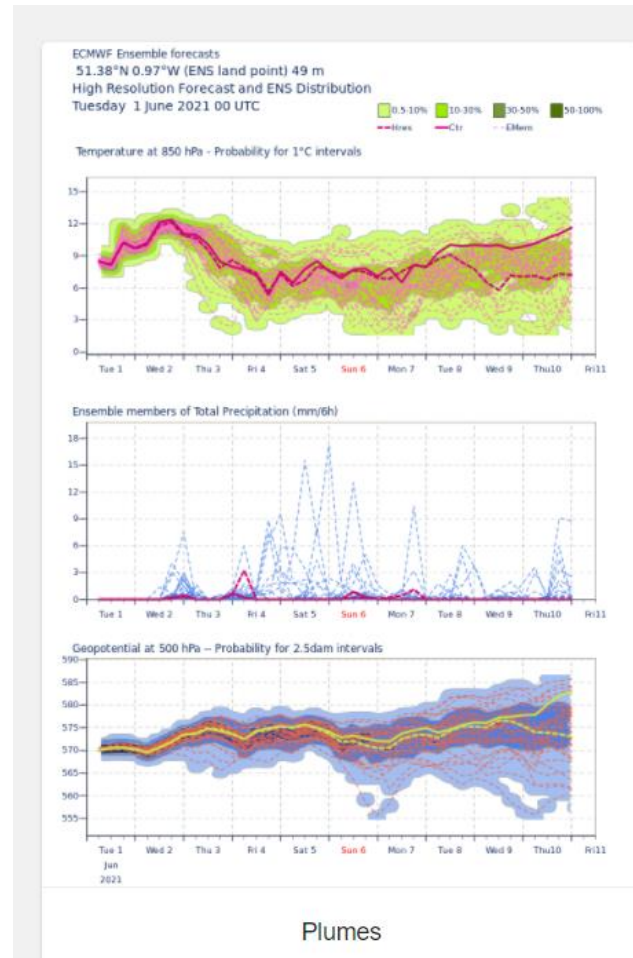
- Lots of new styles as requested

Altitude and Model orography

2021 updates (upcoming)

- Revision of point-based products, to respond requests
  - ENS Plumes extension to 15 days
  - Total accumulated precipitation
  - Storage and access improvements
- Infrastructure updates
  - Modern and future proof (Kubernetis)
- More content from ecCharts to Opencharts
- Any other content/functionality improvements requested by our users.

Plumes

Thanks !

- Please join me on Friday at 11:15 (BST) for details of;

    – How to share content with other users

    – Medium range deviation/anomaly layers

    – Extended range CDF diagrams

    – Upcoming changes & provide feedback

- Also please join us this afternoon at User Voice Corner (starting at 15:20 BST) at "Opencharts & ecCharts room"

    – Discussion & Feedback & Requests & Products

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