The Most Wanted Features

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16th Workshop on Meteorological Operational Systems

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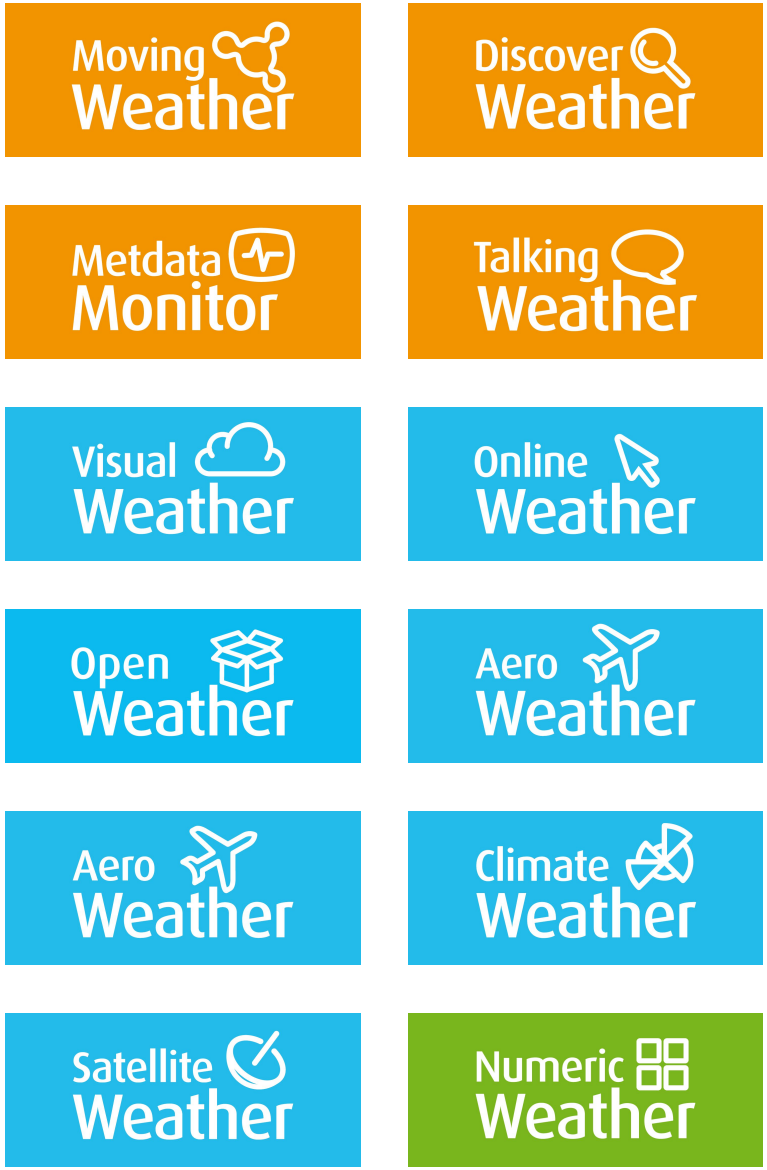
We develop different software products for daily operational needs of National Meteorological Services



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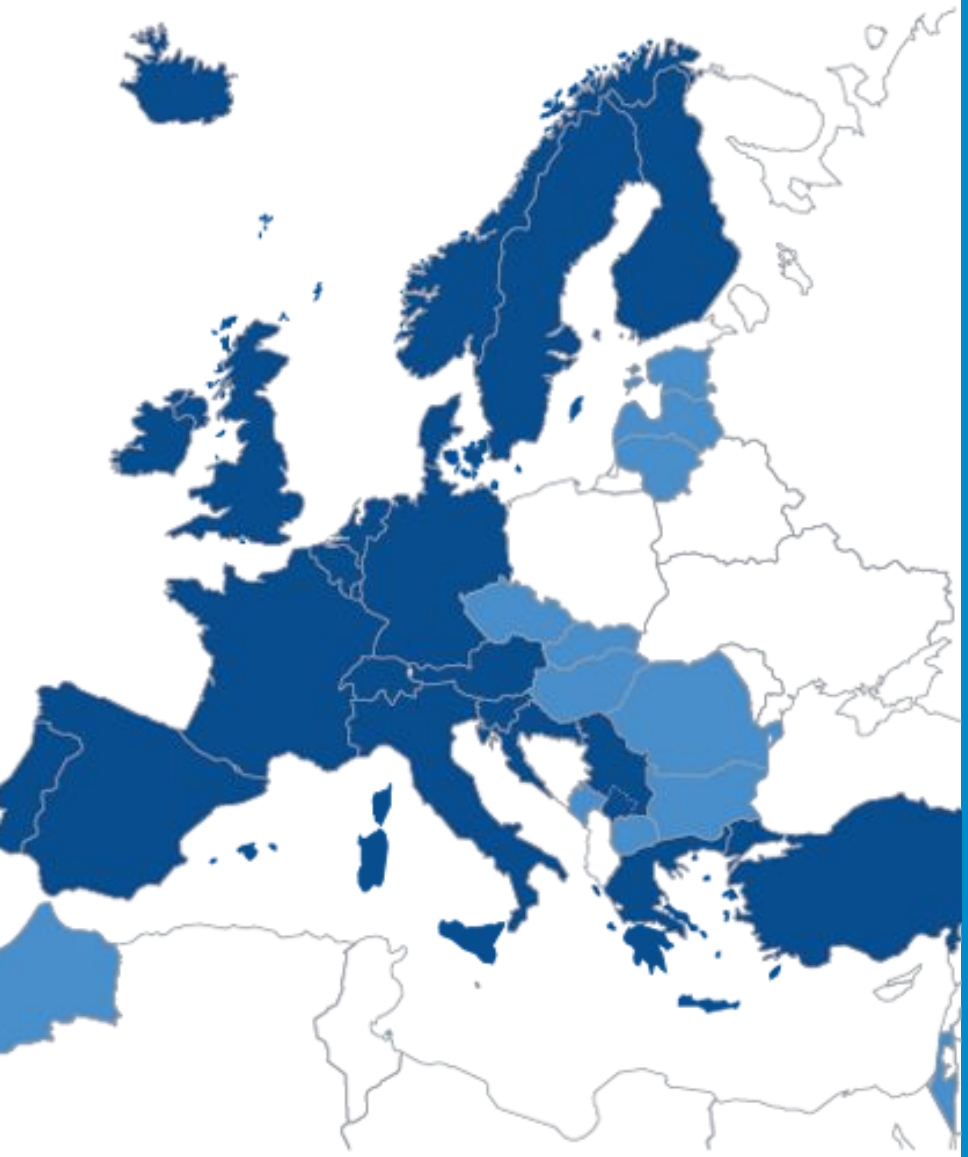

1/3rd

of ECMWF Member & Co-operating states use **Visual Weather** as operational forecasting platform

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Visual Weather is being developed for many years, constantly updating its technology so it is very “fresh & modern”.

Visual Weather internally has modular design, so only selected modules are operated.

… And there is a lot of different modules, satisfying different requirements.

To collect & manage requirements & ideas from user community, we annually conduct **User Group Meeting** to exchange know-how and to jointly collaborate on requirements.

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Visual Weather

And the winners are...

Questions?

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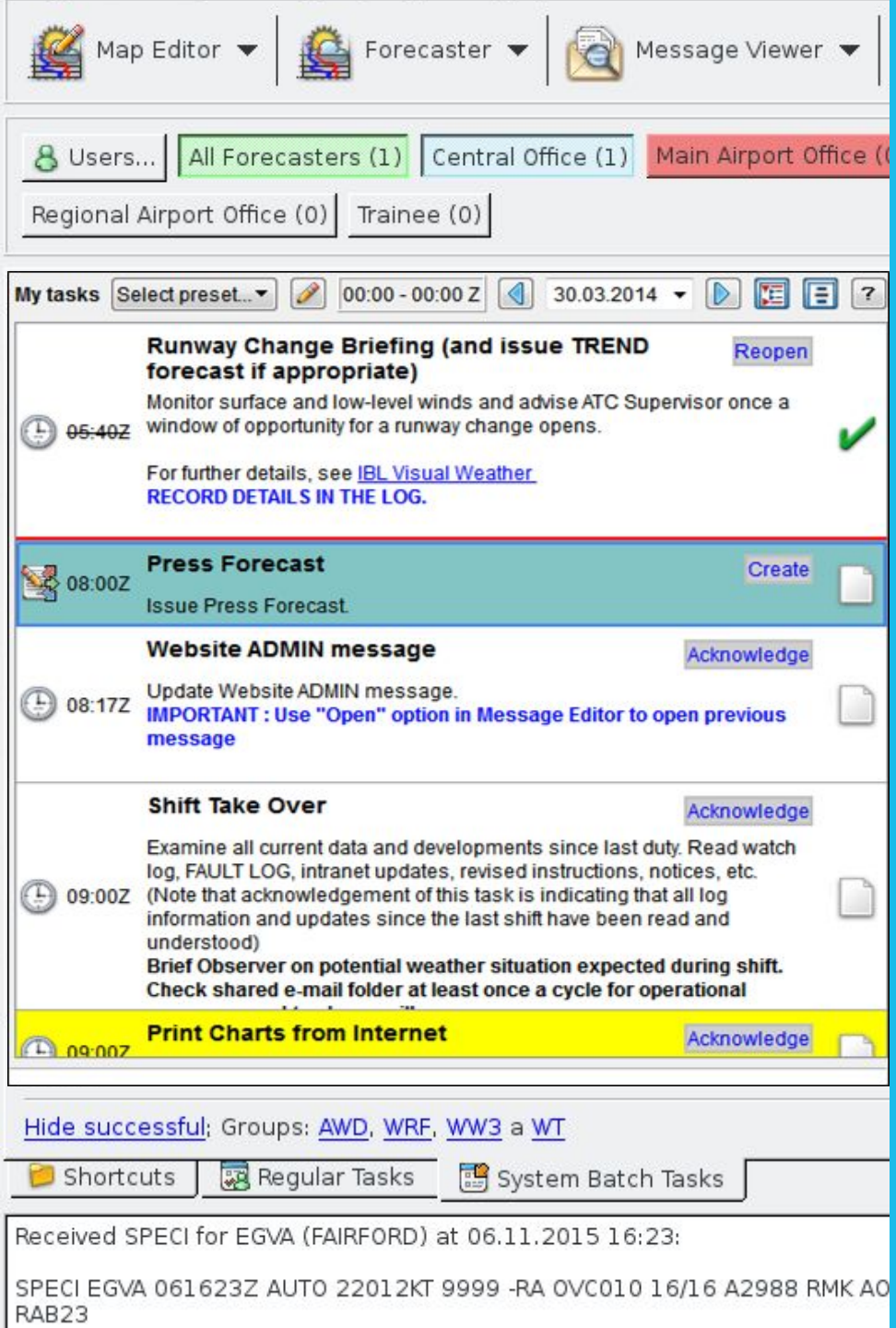

Main Panel Dashboard provides daily task list, weather monitoring and overview of situation, notifications

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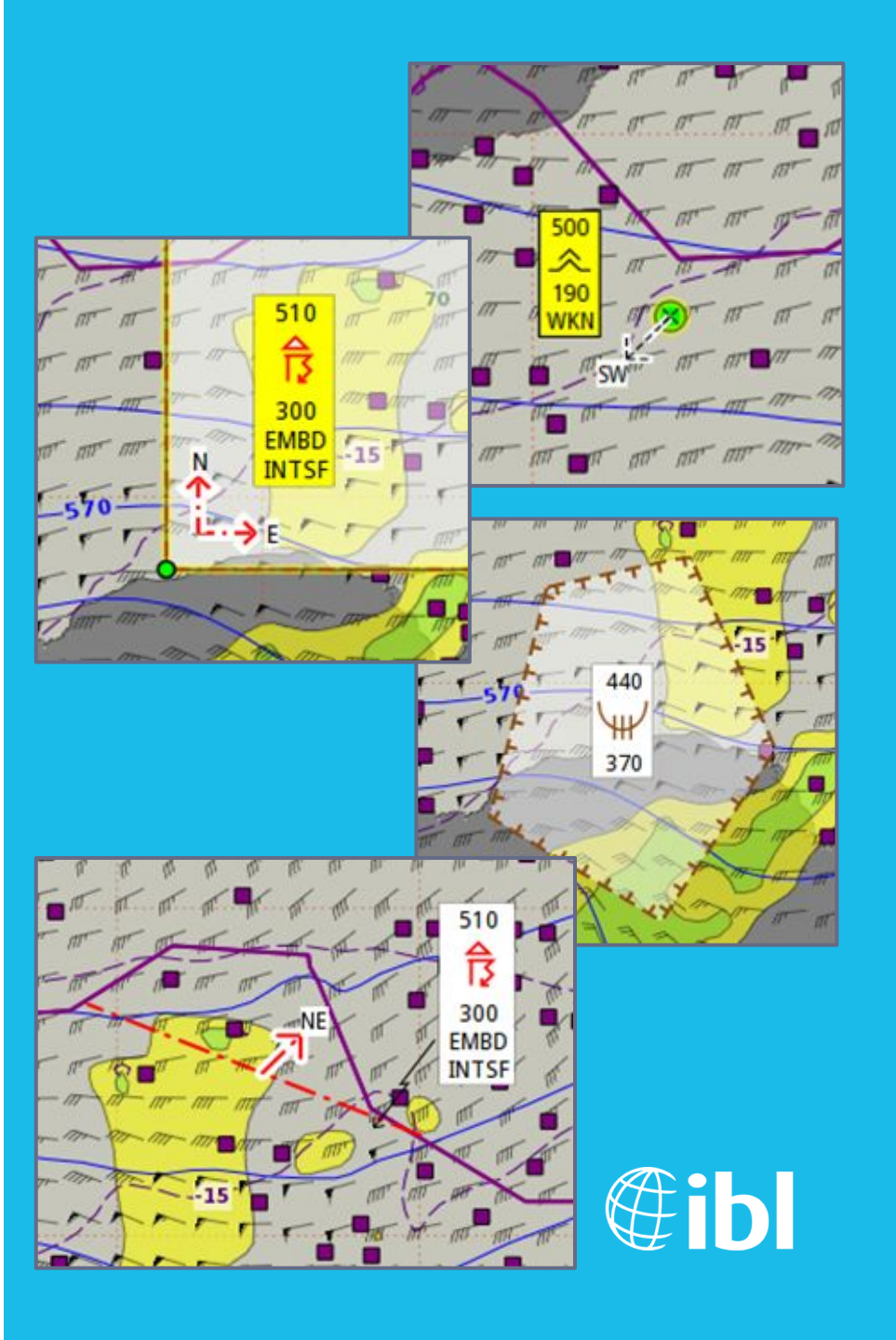
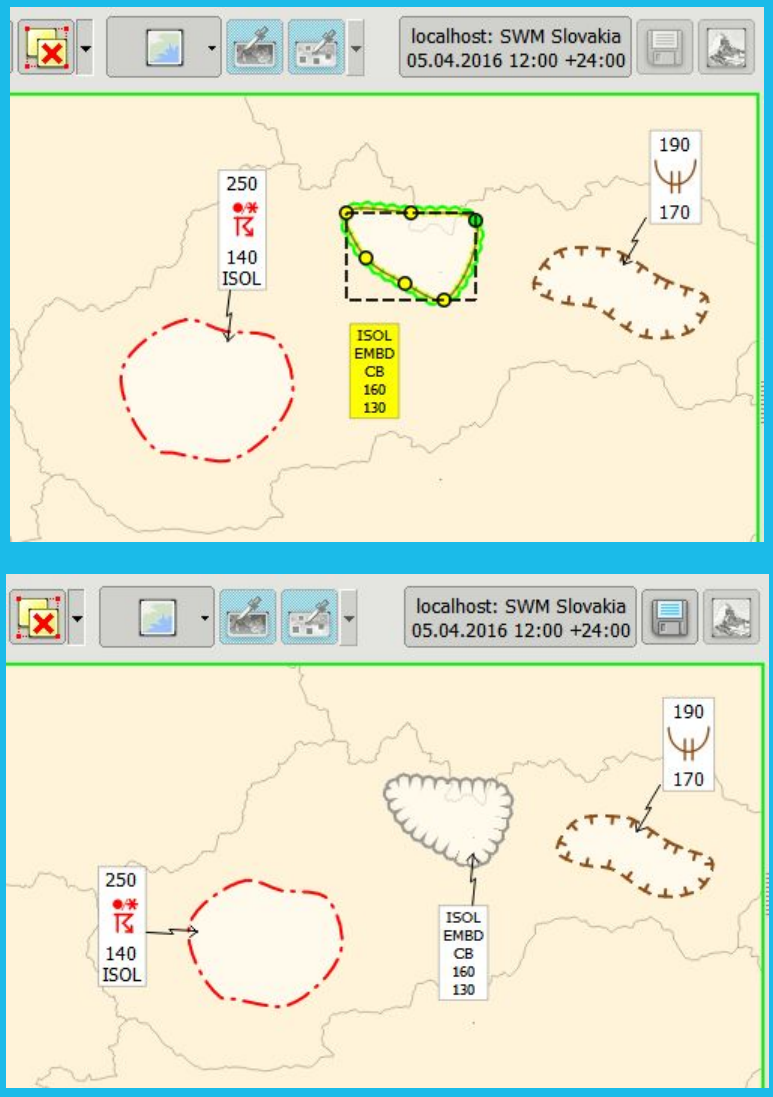
Graphical SIGMET Editing - polygon based editing with graphical depiction and consistent automatic encoding





Collaborative Feature Editing - to jointly create consistent forecast depiction over larger region by multiple meteorologists

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Native IWXXM 2.0 integration and ICAO Annex 3 Amendment 77 support

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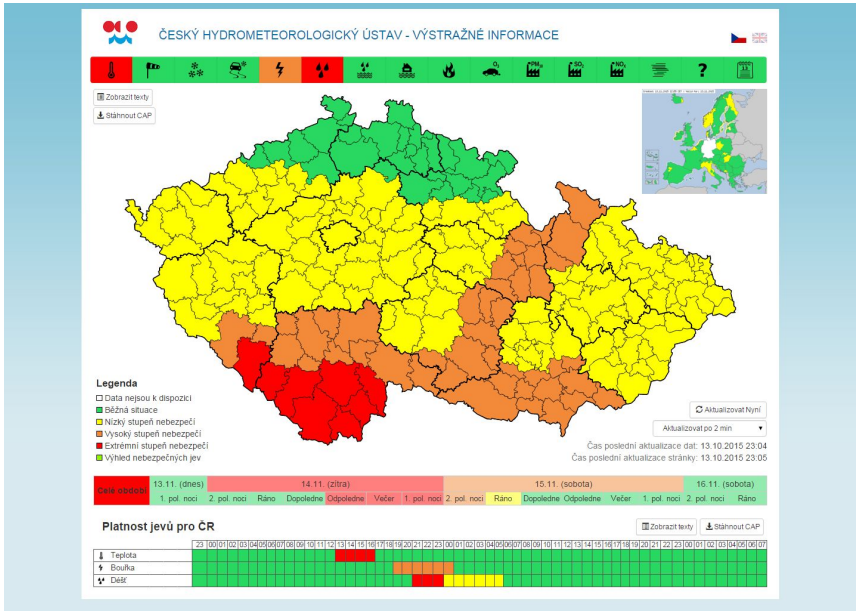
Alert Editor, first guess warning, issuing CAP alerts and integration to MeteoAlarm

	High Temperatures	Very High Temperatures	Extremely High Temperatures	Sharp Drop in Temperature	Heavy Frost	Very Heavy Frost	Extreme Frost	Numerous Ground Frost
Observation								
> 50%		X						
<= 50%								



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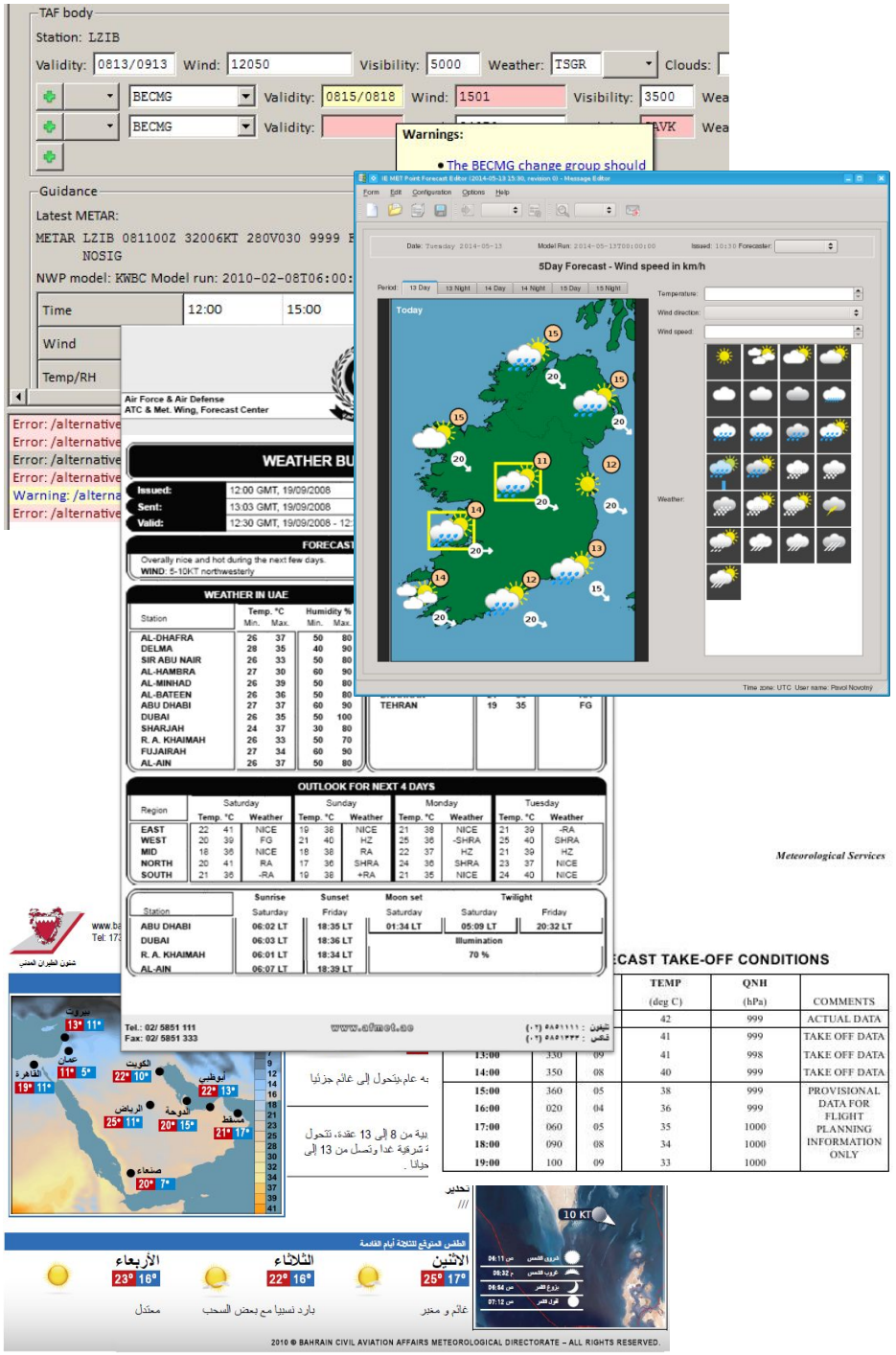

Forecast production platform - authoring of forecast and generating multiple outputs

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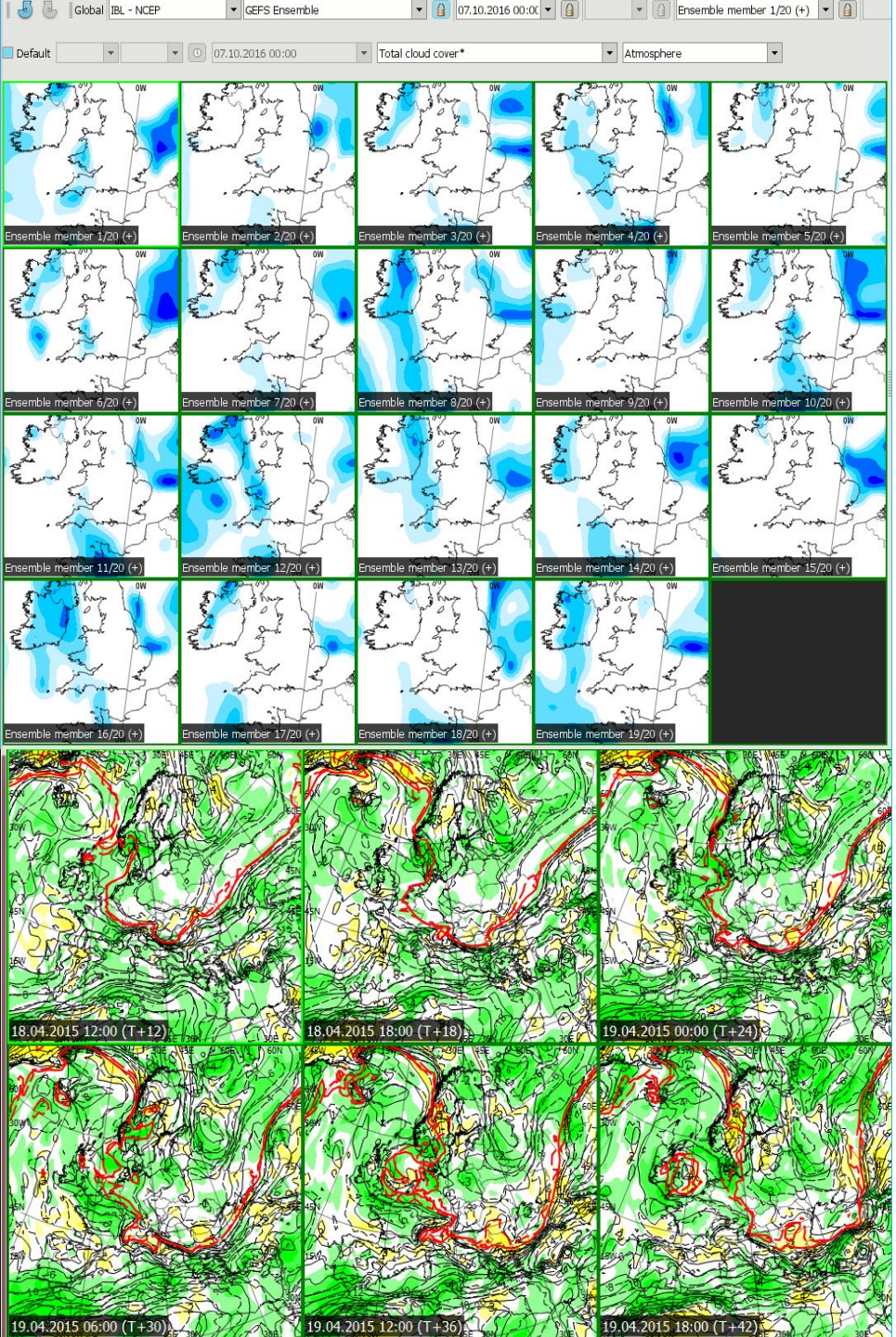

“Multi view” - interactive display of multiple synchronized windows differing by time, elevation, model, ensemble or parameter

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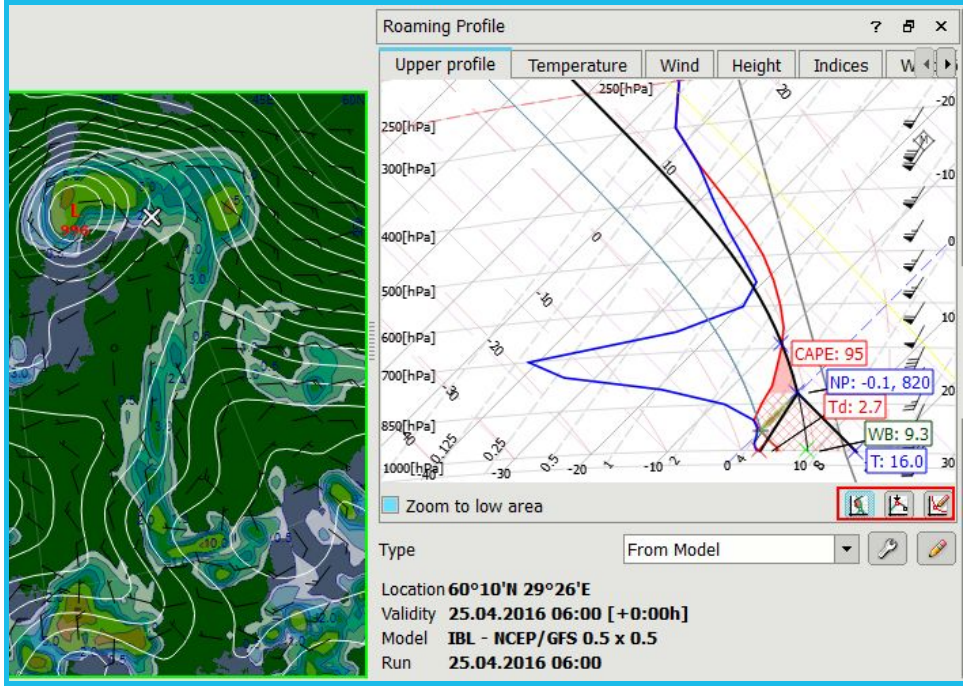
Roaming profile - tool to explore the atmosphere profile, its stability and other characteristics



Training Server - simulation of real-life cases for training purposes, competence assessment tool

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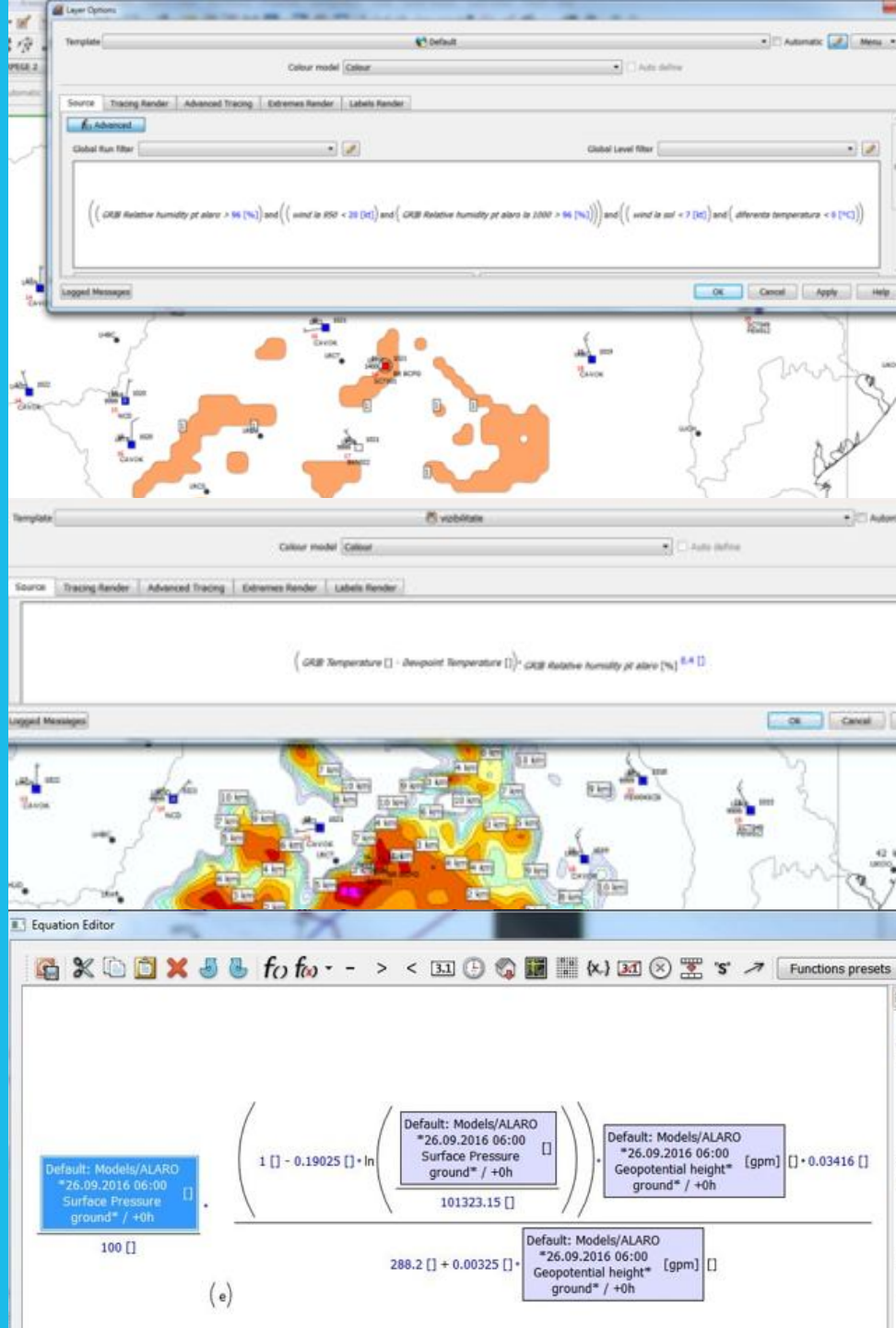
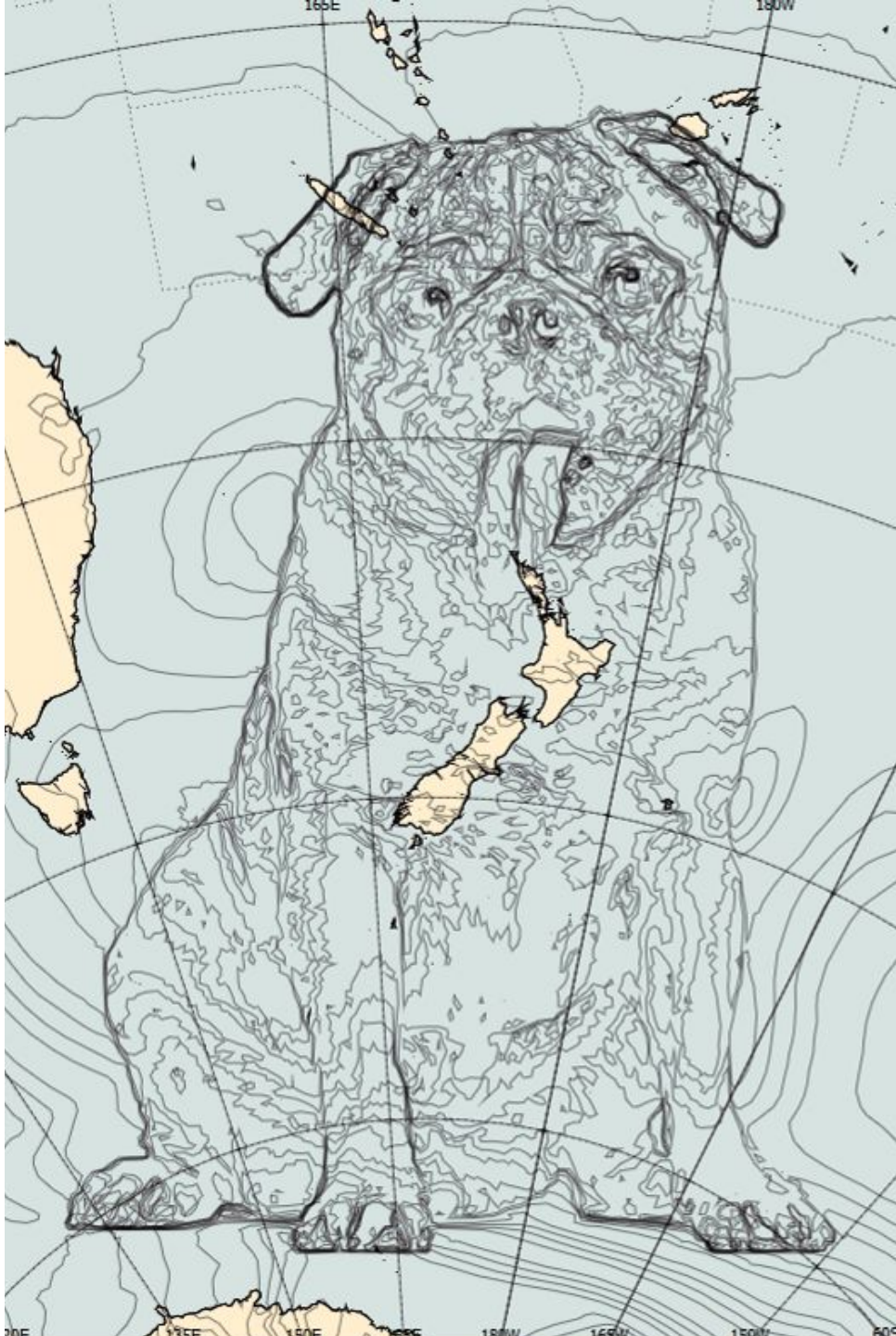
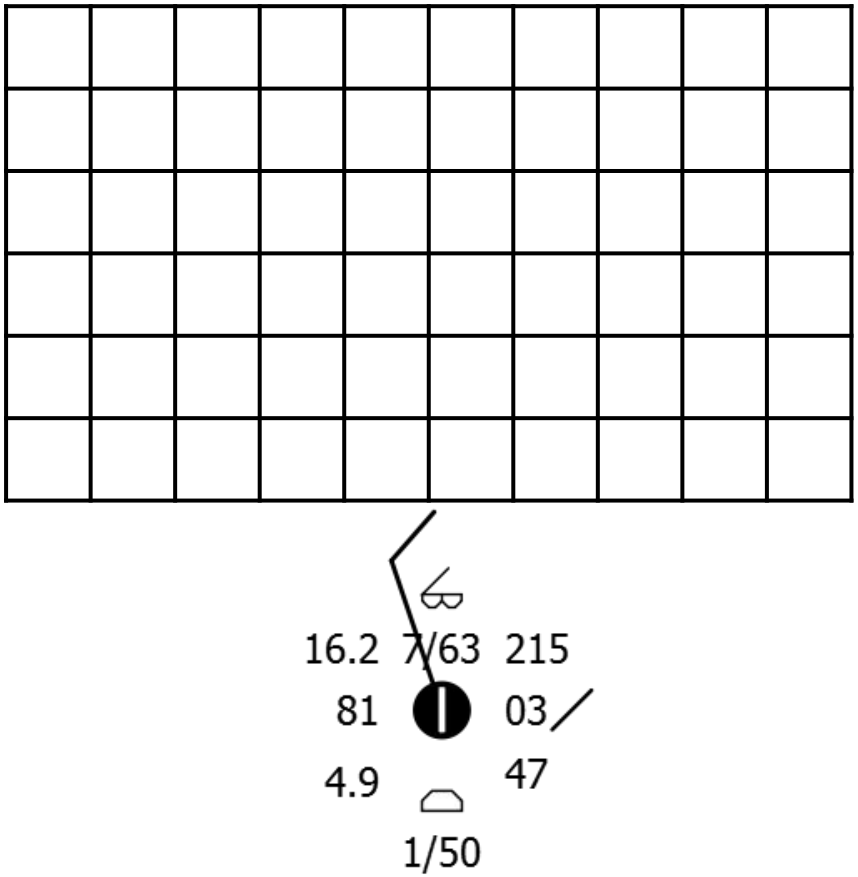
Internal math kernel, functional data processing by user equations



Expandability of Python API - custom functions, algorithms, integrations, processing





OpenGIS Web Services

Web Map Service 1.3.0 (Time & Elevation BP)

Web Coverage Service 2.1 (MetOcean Application Profile)

Web Feature Service +Transactional

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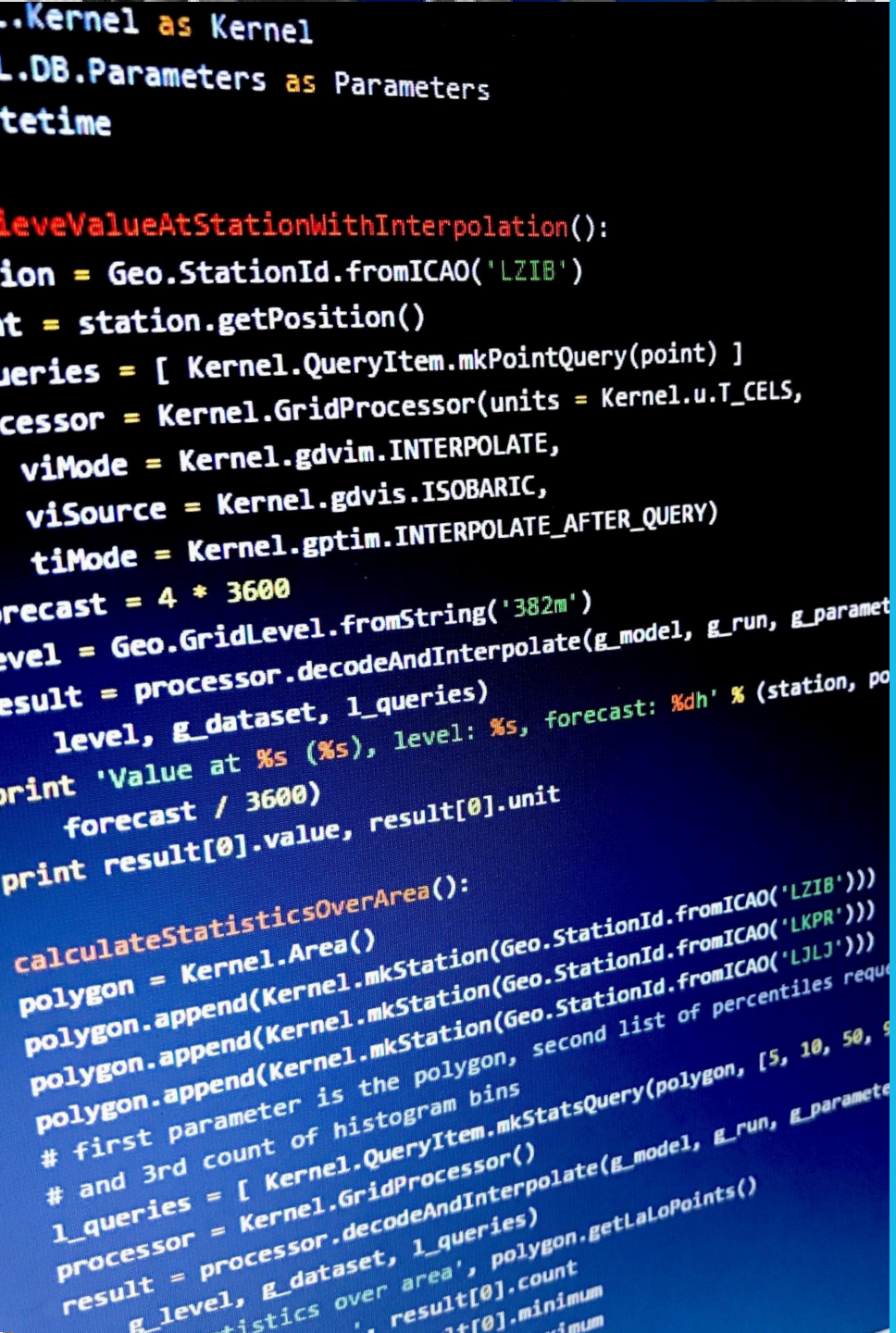

OpenGIS Web Processing Service - custom server-side value-added computations

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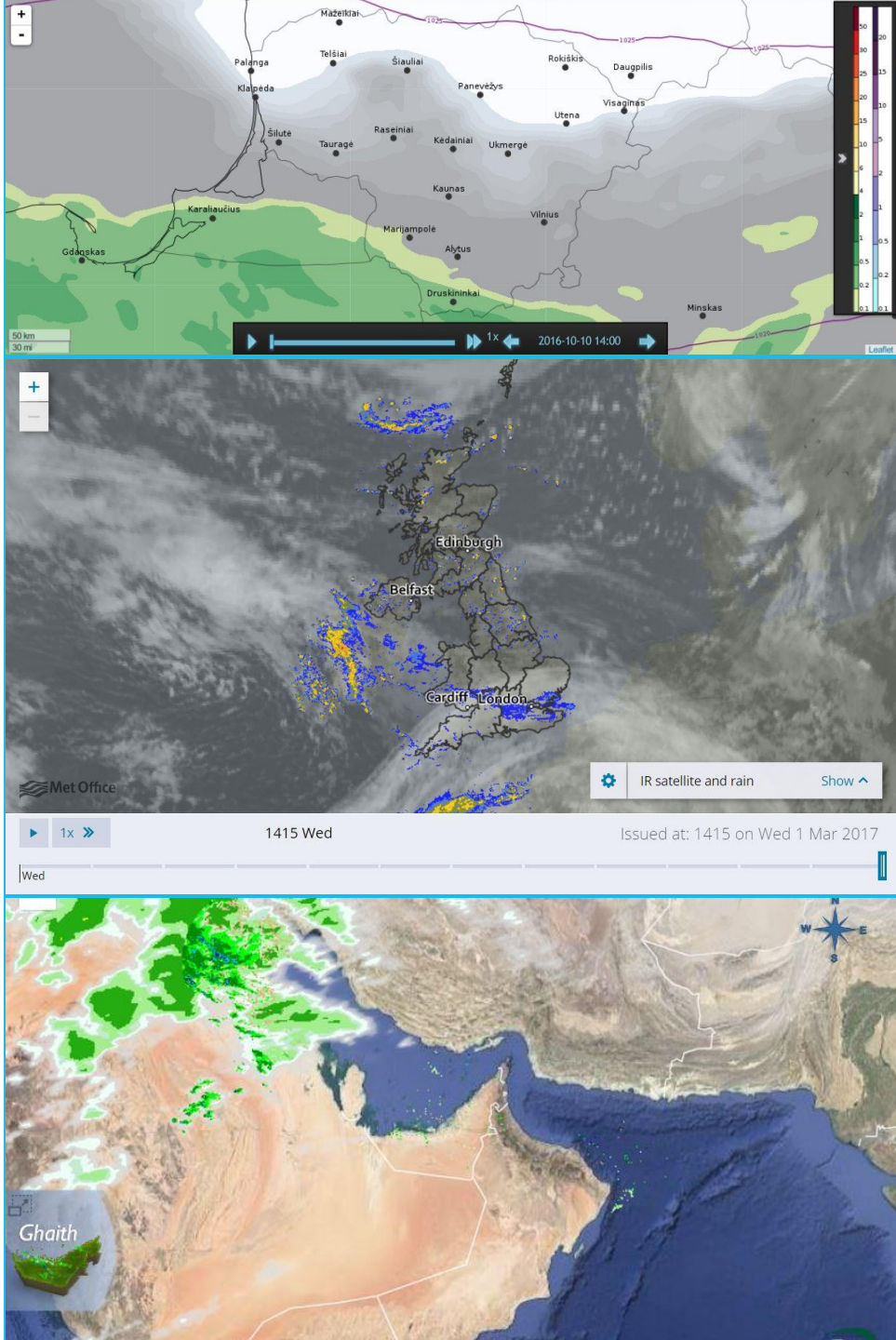
Interactive map widgets for web pages & mobile, alongside with underlying dynamic Tiles (WMS)



Questions?

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