



Norwegian
Meteorological
Institute

Where is diana?

MET Norway / Alexander Bürger

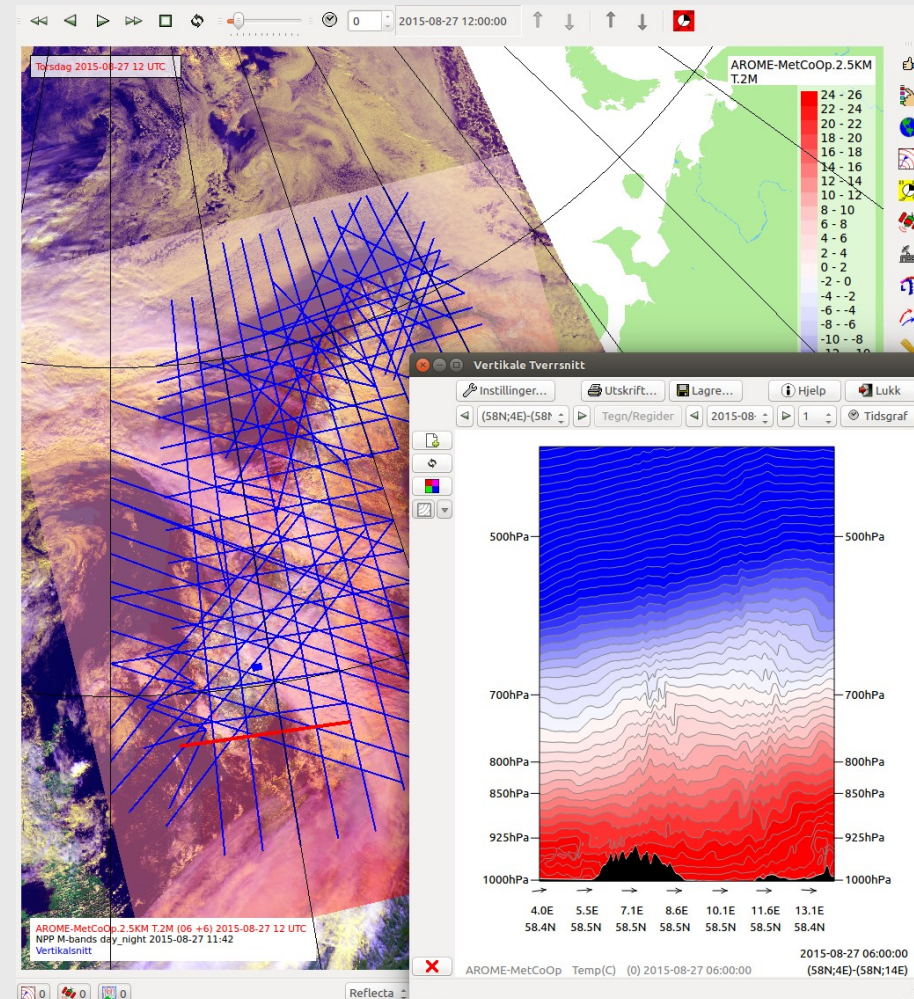
29/9-2015

What are you talking about?

- Who or what is diana?
- Where is diana geographically?
- Where is diana at MET Norway?
- How is diana doing?
- Where can I see diana?

Digital Analysis

- meteorological workstation software from MET Norway
- GUI and batch versions
 - perl and python interfaces
- implemented using C++ / Qt

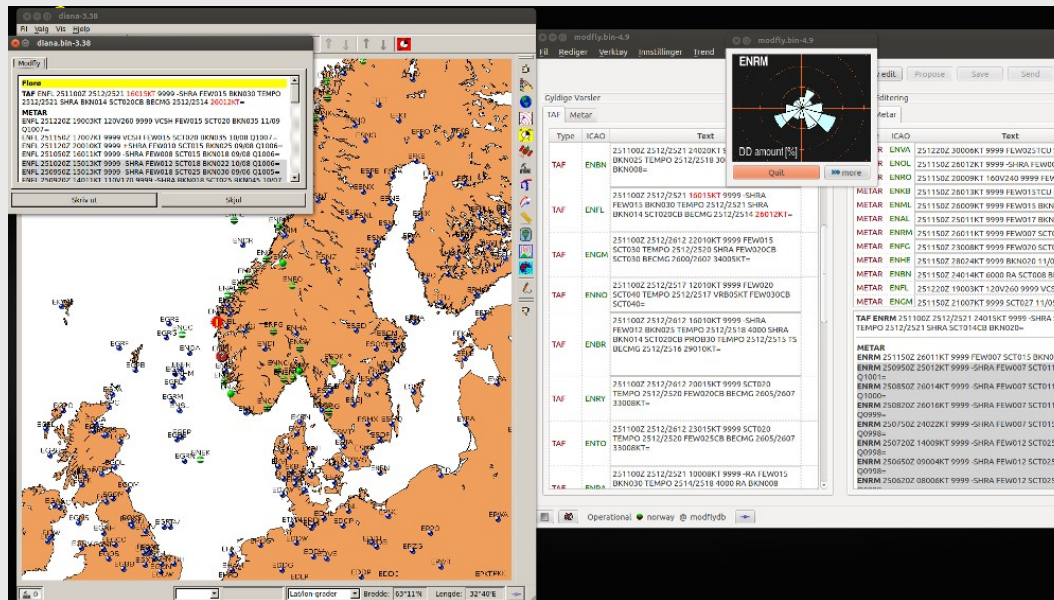


Geographical Distribution

- main users are MET Norway and SMHI
 - Oslo, Bergen, Tromsø, airports
 - Norrköping
- development aid
 - Bangladesh, Myanmar, Vietnam
- commercial users
 - StormGeo, ...
- other users in Russia, Netherlands, ...
 - we might not know all users

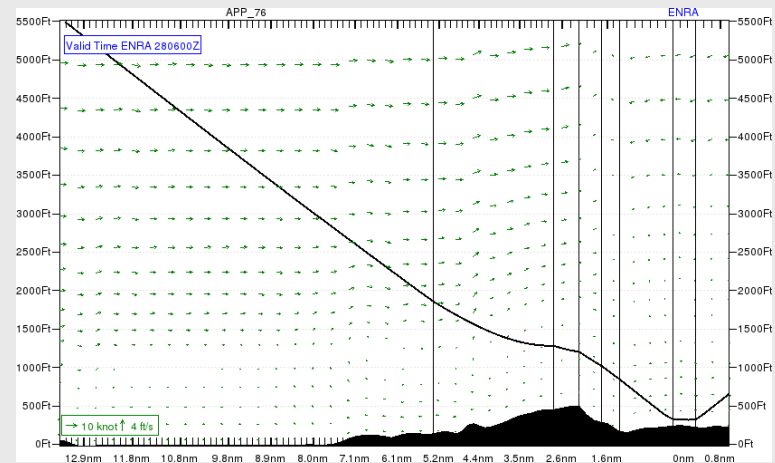
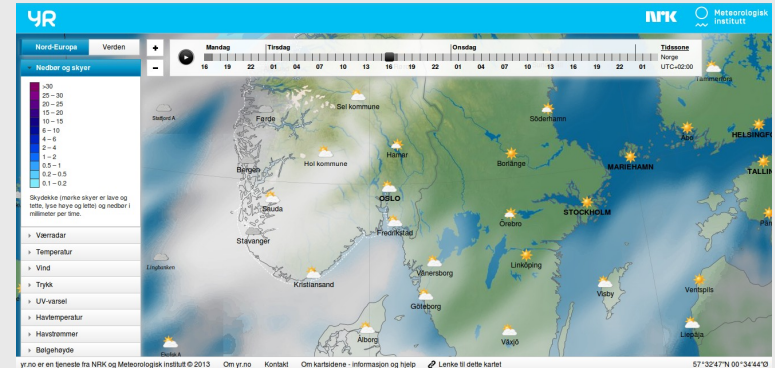
Interactive Use at MET Norway

- forecaster workstation
- connected to other MET software (ted, modfly, hqc, ...)
- visualisation for emission models (ash, radioactivity, ...)
- research at MET Norway and SMHI, product development



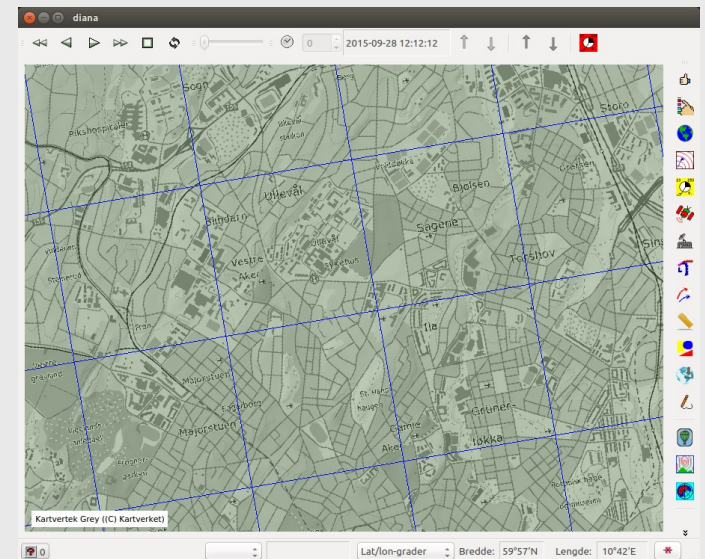
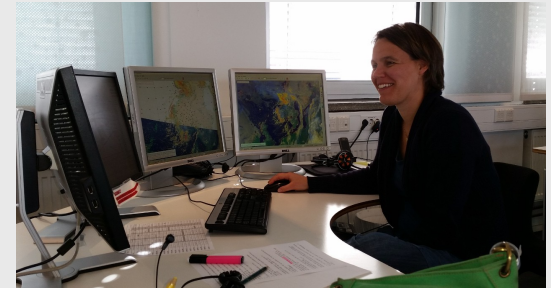
Batch Use at MET Norway

- WMS backend
 - yr.no/kart
 - cache miss
 - metapi frontend receives request
 - calls diana via perl
 - halo, BarentsWatch
- airport turbulence forecast distribution
 - IPPC.no / Briefings / Wind & Turbulence / Vertical View



Development Status

- continuous maintenance and extension
 - try to keep it operational
- development since 1999, open source since 2006
- recent extensions:
 - drawing tool
 - severe weather warnings
 - “dynamic” cross-sections and time graphs
 - WMS/WMTS/OSM client



Get and Contribute

- open source:
 - diana code: <https://github.com/metno/diana/>
 - some libraries from <http://svn.met.no/>
 - fimex for model file IO
- issue tracking:
 - <https://phab.met.no/tag/diana/>
 - registration open for everyone with an email address

Summary

- diana is used in many places around the world
- diana is used in various services at MET Norway
- diana is under continuous development
- diana is open source and available on github