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Announcing MetOWS: An Open Source Java OGC W*S Client Library with Met Focus

79th OGC Technical Committee

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MetOWS Library



- Client-side Java APIs for integrating OGC Web Services with Java desktop software.
- Initial focus in WMS & WMTS, WFS & WCS to follow later.
- Support high performance, concurrent data access implementations based on proven HTTP-based technologies.
- Implementations for INSPIRE & MetOcean DWG guidelines & best practices (time parameters, other DIMs etc.)
 - Aim: a “reference client” for testing the MetOcean best practices or profile for WMS (and other OGC Web Services)
- Initial code contributions from Météo-France and Finnish Meteorological Institute (FMI).

Why MetOWS?



- Need to access meteorological data from existing and future met desktop applications using OGC Web Services
 - Météo-France: Synergie Next project
 - FMI: Smartmet II project
- Not many WMS, WFS, WCS and SOS client libraries exist for Java desktop applications.
- Need to support MetOcean & INSPIRE special needs (profiles, extensions) for OGC Web Service data access.
- Opening up (a small part of) the Met software development to the OpenSource community
 - Save time in our met desktop app development cycles (code reuse).
 - enable the non-met community to access met data via OGC Web Services using their Java applications.

MetOWS is Open Source



- All MetOWS libraries and code will be published under GNU Lesser General Public License (LGPL) v3.0
 - To boldly go where the no met office has gone before (?)
 - Give something useful back to the OS community
- Open source policy: building and testing data access code together is highly beneficial for all.
 - Well-aligned with OGC MetOcean DWG openness policy
- The project tools provided and hosted by FMI
 - Confluence wiki, Subversion source code management, Jira issue management, Public Maven repository, Apache Jenkins continuous integration.
 - Public access details to be announced

MetOWS WMS Status (Nov 2011)



- Requirements for agreed for WMS & WMTS.
- Project tools set up and ready.
- Initial code contributions from Météo-France converted into Maven projects.
- Getting ready to convert requirements into tasks, and start working on the code.
- Roadmap & release schedule not finalized yet.
- MetOcean community interest in participating in MetOWS development?
 - Probably most fruitful after we get the first fully working versions released