

OpenMI Association Technical Committee meeting no 42

See also: [OATC Wiki Home](#)

Date: 3. March 2011
Time: 13:30 - 14:30 CET
Venue: Skype Conference Call
Topic: OATC SDK

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Participants

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1. Report from OGC Technical Committee meeting in Bonn

3 ways to become an OGC standard

- 2.1. Best practice: only a recommendation by the OGC
- 2.2. Fast track: an existing standard could be updated with only minor changes and little control by the OGC;
time horizon about half a year;
OpenMI 2.x could be a such a candidate.
- 2.3. Standard Working Group (SWG): a project with the aim of a balanced, improved standard;
intensive cooperation with OGC;
time horizon 3 to 4 years;
OpenMI 3.x could be the result of the OpenMI SWG

Suggestion: follow approaches 2.2. and 2.3.

Consequences:

- OATC would be transformed into the OpenMI SWG;
- OGC plenary and OAEC will have to decide
- OATC will wait for input from OAEC

2. Open SDK issues

Oatc SDK: Jesper and Stef started to work on the issues on the [Trac Wiki](#).

- Jesper focuses on the Element mapper issues like 'initialize performance', 'limiting mapsize', etc.
- Stef focuses on the time buffer, provider/consumer connectability tests and the usage of the missing value. Will also the input/output exchange items into a base and a time and space part in the near future.

Fluid Earth SDK:

Adrian is progressing. Will commit some parts today, to show how he as split the implemenation of the input/output exchange items into a base and a time and space part, so that Stef can have a look at before starting to split the Oatc.SDK's exchange items.

In about two weeks from now that will be a first version of the Fluid Earth SDK.

The Pipistrelle GUI is currently developed, and deviates slightly from the previous version.

3. Miscellaneous

Java / .Net bridging

Stef mentions that he has integrated OpenDA's (java) and C# models. This at least works for one example, many things yet to be tested / found out. It has been done by using [IKVM](#), which converts the *.jar files into .net-assemblies, including debug info if required.

Jesper suggest to bridge the languages by accessing linkable components through a webservice (see his [thoughts on this in the Trac wiki](#)). Anyone is invited to react to or extend the ideas.

Deltares is considering a comparable approach for the OpenDA integration. Stef will add thoughts on and experiences with this integration on the Trac wiki page mentioned above.

4. Next Skype meetings

- Regular meeting, Thursday, 17.2. at 9:30 CET (8:30 UTC)