

# OpenMI Association Technical Committee meeting no 34

See also: [OATC Wiki Home](#)

Date: 07. October 2010

Time: 14:00 - 15:30 CEST

Venue: Skype Conference Call

Topic: From OpenMI 2.0 Beta to OpenMI 2.0

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## Participants

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Apologies:

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## 1. Roadmap to OpenMI 2.0 as suggested by Standa

### 1.1. TimeLine

Suggested timeline

- Oktober/November: Release
- Spring 2011: GUI and SDK (Pipistrelle and Fluid Earth)
- skype meeting on sdk issues every first and third Thursday of a month 👍

### 1.2. Standard

have a look - if we found some possible problems in standard itself. (hopefully not)

### 1.3. Documentation

Updating of the Documentation

document	comment	task for	status
What's new in OpenMI 2.0		-	-
OpenMI 'in a nutshell		-	-
Scope document		-	-
OpenMI Standard2 interface specification		-	-

OpenMI Standard2 Reference manual	when source code will be stabilized	SV	-
"Migrating models		-	-

maybe change the names for *OpenMI Standard2 interface specification* and *OpenMI Standard2 Reference manual*

Add text from "Explanation of OpenMI Standard Extensions"" to some other document - or change its format to follow style of the other documents

Peter: I would integrate the explanations into the interface specifications as the central document.

## 1.4. How to

page	comment	task for	status
How to download the most recent source code	no changes???	Peter*	-
How to get started with OpenMI 2.x and Java	no changes???	no changes, Peter	-
How to link models with different grids (spatial mapping)	small changes	Peter*	-
How to turn an ASCII file reader into a Linkable Component 2.0	source code for latest version exist. Changes reflecting Time extensions need to be done in Howto page	-	-
Upgrading from 1.4 using the upwards compatible wrapper	Did it work now? Will be included to the official release? – or put it to the pages later?	-	-
How to upgrade from version 1.4 IEngine	Did it work now? Will be included to the official release? – or put it to the pages later?	-	-

\* only if starting at 12. November is ok

## 1.5. GUI

We will not release the GUI.

## 1.6. SDK

We will leave SDK like it is just now. New documentation will not be created.

There are memory problems with large element sets.

# 2. Issues raised in Rob's mail from 23.09.2010

## 2.1. Final agreement on the extensions

- not clear if OAEC agrees with it or not.

- proper definition of how to use them and what it means for OpenMI-compliance. Also when mixing OpenMI endorsed and 3rd party extensions.

[Meeting 32 discussion](#)

## 2.2. Request of US EPA

- how dimensionless data fits into OpenMI without losing the unit information (measures).

(Jesper)

The issue is that there is a difference between kg/kg and m<sup>3</sup>/m<sup>3</sup>? To solve the issue for dimensionless quantities, we could add a flag on the unit, saying it is dimensionless, i.e. to give a m/m unit, you would set an m unit and set the dimensionless flag. But should it also be possible to support units like m<sup>3</sup>/s /m (used in sewer models, discharge into the system per length unit of sewer)? I think not. If so, I guess we would need two times the base-unit exponent array.

From an OpenMI processing/adaptor point of view, the dimensionless unit is of little use (as I see it, unless I am missing something). It is not possible to do any automatic conversions from kg/kg to m<sup>3</sup>/m<sup>3</sup> anyway. It can have some use in validation, in order to check that you are linking items that have the same non-dimensionality. Otherwise the dimensionless information could also just be provided as information in the description of the quantity, and then leaving the standard as it is now.



A flag indicating dimensionlessness could be added to the dictionary extensions 👍

## 2.3. Mixing time-dependent and time-independent components

- Clarify what should happen when time-dependent and time-independent model components are mixed in a model chain.

- Is there enough "contextual" information available for processing?

### 3. Remaining issues from meeting no 33, top 2

Issue	Description	status	decision
OpenMI XSD files	The component and compliancy XSD files still are based on 1.4. Must be extended.	Done by: Rob	Ok (TimeSpace compliancy issued postponed)
TimeSpace compliancy in XSD file	Decide if TimeSpace compliancy needs to be included in the OpenMICompliancyInfo.xsd file and if so how to do it.	<b>Postponed</b>	Mark as deprecated in Beta1
Move interfaces to TimeSpace extension	ISpatialDefinition, IElementSet, ITime, ITimeSet could be moved from the base to the TimeSpace extension	<b>Postponed</b>	Leave as is for Beta1
Update copyright notice	Add year 2010 to the OpenMI copyright header in all source files	Java updates done: Rob. C# updates done: Stef (Standard2 only, <b>SDK to be done</b> )	Update headers
Distribution package	Distribute base and timespace extension in a single package or as two?	<b>Postponed</b>	Keep as 1 package for Beta1
Merge IValueDefinition and IDictionaryItem	IValueDefinition (with related classes) and IDictionaryItem should describe data semantics and could be unified; Peter Gijssbers' mail	<status: open>	
<new issue>	<description>	<status: open>	

Transcript of discussions (meeting no 33) on the above topics and a few other subjects:

- *Compliance XSD: Remaining issue: Do we want to include TimeSpace specific exchange item information in the compliance XSD? If so, what should be included and how?*
- *Release of the 2.0 Beta: Also notify people who participate in the review process about the new version and changes made according to their input.*

### 4. Next Meeting