



EasyWay



# DATEX WEBSITE

**Fabrizio Paoletti**

*DATEX TG*

*Italy: Autostrade // Tech*

**DATEX II Forum Berlin**

**March 16/17 2010**



<http://www.datex2.eu/>

**DATEX website has been disigned to provide Support for Software Developers and Traffic Engineers**

**Provides:**

- **Online documentation**
- **Host the DATEX community**
  - Discuss
  - Give feedbacks
  - Raise issues
  - Make people comfortable



# Web-site Features



HOME | DATEX II | NEWS | DOWNLOAD | DEPLOYMENTS | FORUM | ISSUES | CONTACTS

## LOGIN AREA

User login

Username: \*

Fabrizio.Paoletti

Password: \*

••••••••

Log in

[Create new account](#)

[Request new password](#)



## NEWSLETTER

DATEX II newsletter

Stay informed on our latest news!

User:

Fabrizio.Paoletti

Unsubscribe

[Previous issues](#)



Search

Search this site:

Search

Fabrizio.Paoletti

- [Create content](#)
- [Issues](#)
- [Administer](#)
- [My account](#)
- [LOG OUT](#)

DATEX II newsletter

Stay informed on our latest news!

User:

Fabrizio.Paoletti

Unsubscribe

[Previous issues](#)

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EASYWAY

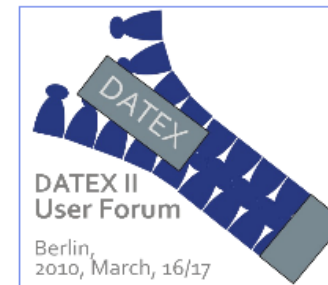
Home

View

Edit

Track

## DATEXII User Forum in Berlin



**Invitation and registration Form for the  
DATEX II user forum  
to be held in Berlin 16th-17th 2010**

Dear all

in the past years DATEX II has been developed into the leading standard for data exchange involving traffic centres and has been deployed in many countries.

- All the relevant DATEX II news are published in the website, to inform all users on, e.g., new DATEX releases, workshops and general DATEX II activity.



**Latest News are also displayed in home page**



**Unregistered users have access to main information and archive download**

- **News**
- **Forums**

**Visitors may register in order to get access to all functionalities:**

- **Download Current Version**
- **Post and comments Forums Items**
- **Issue access and upload**
- **Datex nodes and extension upload**

**User login**

**Username: \***

**Password: \***

**Log in**

[Create new account](#)  
[Request new password](#)

**Fabrizio.Paoletti**

- [Create content](#)
- [Issues](#)
- [Administer](#)
- [My account](#)
- [LOG OUT](#)

This section allows the **registered users** to gain access to a complete set of documentation, related to the latest and the previous DATEX II implementations.

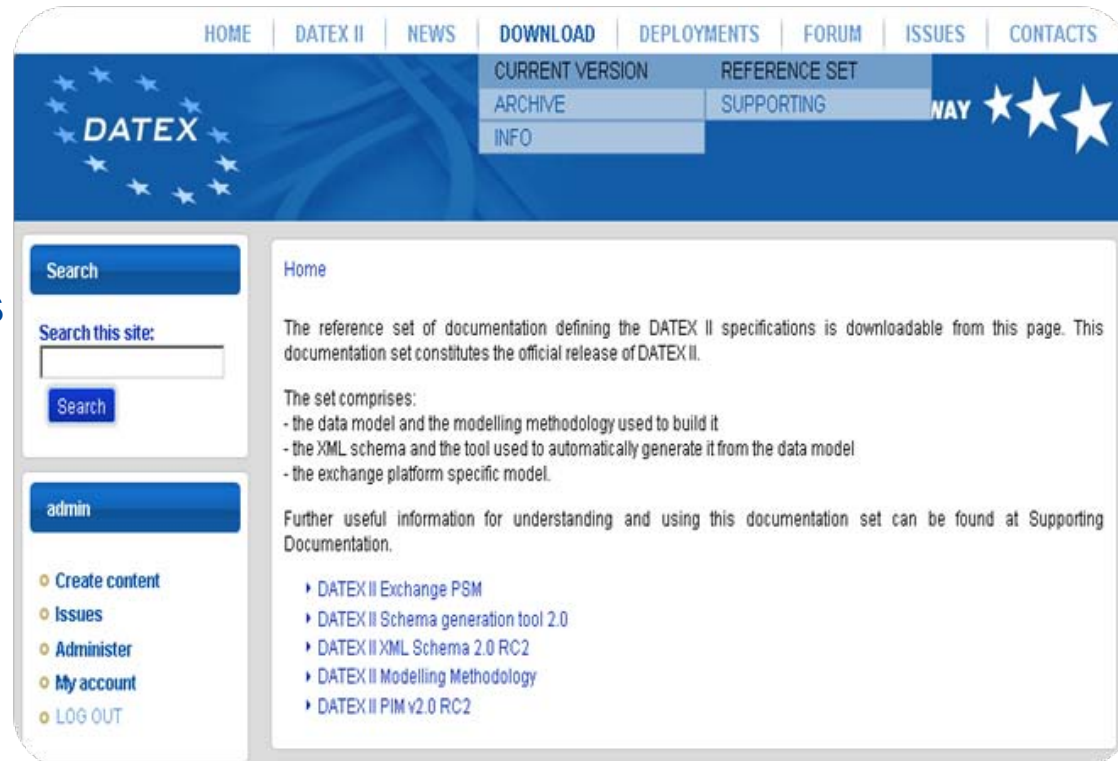
## Current Version

### 1. REFERENCE SET

This documentation set constitutes the official release of DATEX II.

### 1. SUPPORTING

Support documentation.



The screenshot shows the DATEX II website interface. At the top, there is a navigation menu with links for HOME, DATEX II, NEWS, DOWNLOAD, DEPLOYMENTS, FORUM, ISSUES, and CONTACTS. Below the navigation menu is a header area with the DATEX II logo and a table with the following structure:

CURRENT VERSION	REFERENCE SET
ARCHIVE	SUPPORTING
INFO	

Below the header, there is a search box and a list of links under the 'admin' section:

- admin
- Create content
- Issues
- Administer
- My account
- LOG OUT

The main content area is titled 'Home' and contains the following text:

Home

The reference set of documentation defining the DATEX II specifications is downloadable from this page. This documentation set constitutes the official release of DATEX II.

The set comprises:

- the data model and the modelling methodology used to build it
- the XML schema and the tool used to automatically generate it from the data model
- the exchange platform specific model.

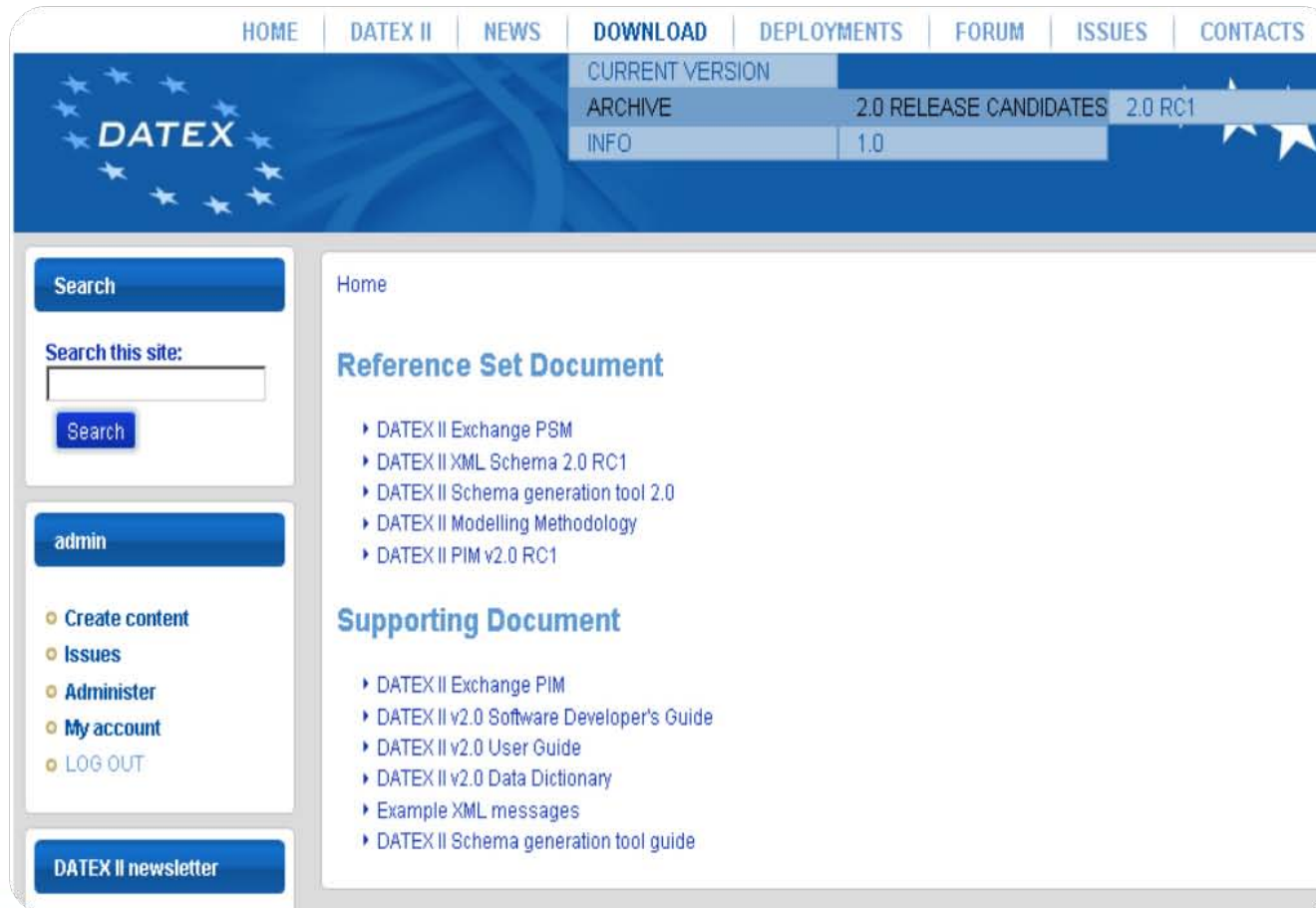
Further useful information for understanding and using this documentation set can be found at Supporting Documentation.

- ▶ DATEX II Exchange PSM
- ▶ DATEX II Schema generation tool 2.0
- ▶ DATEX II XML Schema 2.0 RC2
- ▶ DATEX II Modelling Methodology
- ▶ DATEX II PIM v2.0 RC2



The previous DATEX II versions are stored here.

Dynamic archive managed by TG to store previous final and intermediate (candidates) DATEX II releases.



The screenshot shows the DATEX II website interface. At the top, there is a navigation menu with links for HOME, DATEX II, NEWS, DOWNLOAD, DEPLOYMENTS, FORUM, ISSUES, and CONTACTS. Below the navigation menu is a blue header with the DATEX II logo and a table of download links. The table has three columns: 'CURRENT VERSION', '2.0 RELEASE CANDIDATES', and '2.0 RC1'. The 'CURRENT VERSION' column contains links for 'ARCHIVE' and 'INFO'. The '2.0 RELEASE CANDIDATES' column contains a link for '2.0 RC1'. The '2.0 RC1' column contains a link for '1.0'. Below the header is a search box with a 'Search' button. To the right of the search box is a 'Home' section with a 'Reference Set Document' and a 'Supporting Document' section. The 'Reference Set Document' section contains a list of links: DATEX II Exchange PSM, DATEX II XML Schema 2.0 RC1, DATEX II Schema generation tool 2.0, DATEX II Modelling Methodology, and DATEX II PIM v2.0 RC1. The 'Supporting Document' section contains a list of links: DATEX II Exchange PIM, DATEX II v2.0 Software Developer's Guide, DATEX II v2.0 User Guide, DATEX II v2.0 Data Dictionary, Example XML messages, and DATEX II Schema generation tool guide. Below the search box is an 'admin' section with links for 'Create content', 'Issues', 'Administer', 'My account', and 'LOG OUT'. At the bottom of the page is a 'DATEX II newsletter' button.

CURRENT VERSION	2.0 RELEASE CANDIDATES	2.0 RC1
<a href="#">ARCHIVE</a>	<a href="#">2.0 RC1</a>	
<a href="#">INFO</a>		<a href="#">1.0</a>

Home

### Reference Set Document

- ▶ DATEX II Exchange PSM
- ▶ DATEX II XML Schema 2.0 RC1
- ▶ DATEX II Schema generation tool 2.0
- ▶ DATEX II Modelling Methodology
- ▶ DATEX II PIM v2.0 RC1

### Supporting Document

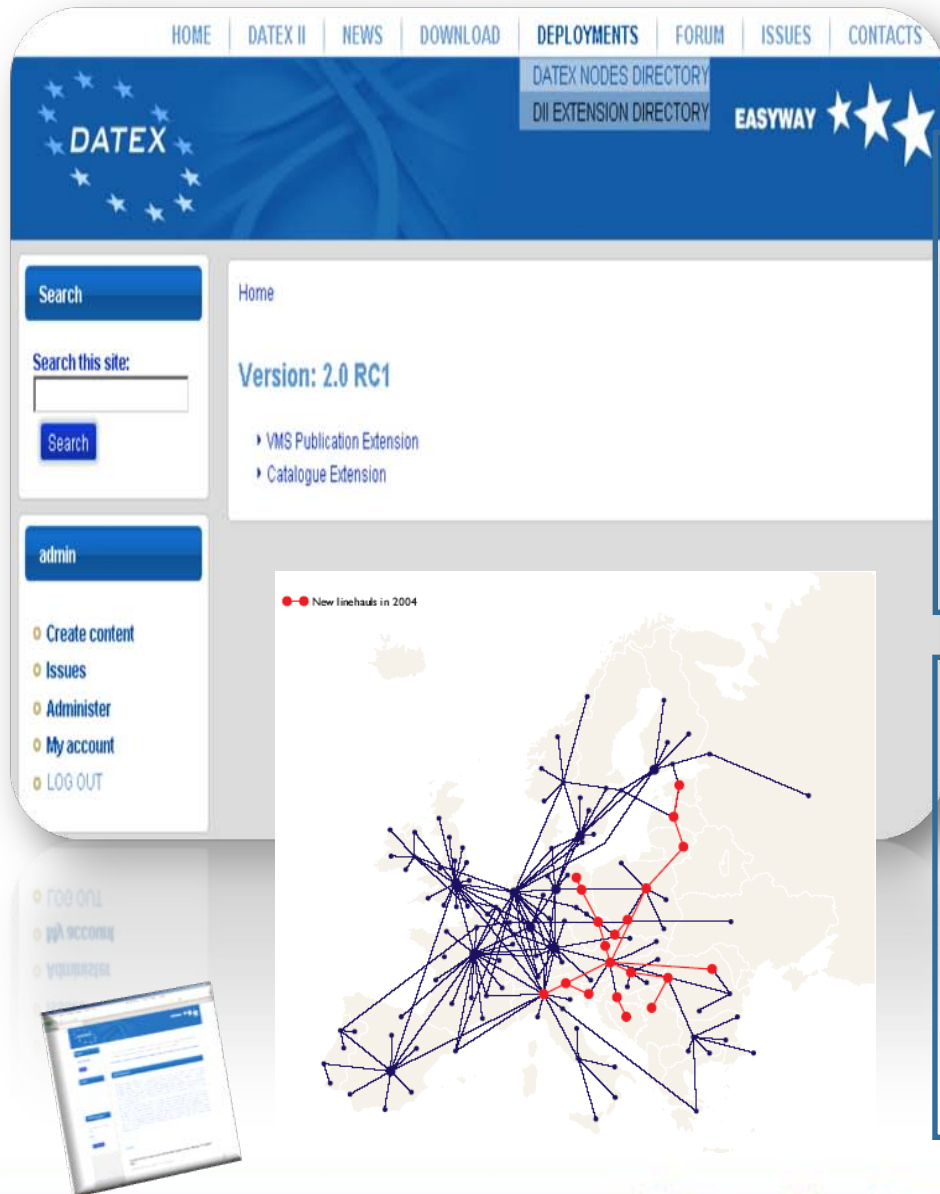
- ▶ DATEX II Exchange PIM
- ▶ DATEX II v2.0 Software Developer's Guide
- ▶ DATEX II v2.0 User Guide
- ▶ DATEX II v2.0 Data Dictionary
- ▶ Example XML messages
- ▶ DATEX II Schema generation tool guide

admin

- Create content
- Issues
- Administer
- My account
- LOG OUT

DATEX II newsletter





The screenshot shows the DATEX II website interface. At the top, there is a navigation menu with links for HOME, DATEX II, NEWS, DOWNLOAD, DEPLOYMENTS, FORUM, ISSUES, and CONTACTS. Below the menu, the DATEX II logo is displayed on the left, and the EASYWAY logo with three stars is on the right. The main content area is titled "Home" and includes a search bar, a version indicator "Version: 2.0 RC1", and a list of links: "VMS Publication Extension" and "Catalogue Extension". On the left side, there is an "admin" section with links for "Create content", "Issues", "Administer", "My account", and "LOG OUT". At the bottom left, there is a small inset image of a laptop displaying the website.

## **DATEX NODES DIRECTORY**

This user-fedded section holds a collection of the yet-developed DATEX II nodes through Europe, along with references to the State where they belong and the Organisation in charge of them.

## **DII EXTENSION DIRECTORY**

Being an user-oriented protocol, DATEX II makes available for users the possibility to extend the types and classes of exchanged data. This section contains the customised extensions uploaded by the implementers










This is the DATEX II Community forum, moderated by the Technical Group Members.

1. The forums are organized in different categories, as depicted beside (forum main page)

2. Each category is organized in topics .

Registered users, always under moderator's supervision, can create and maintain discussions.

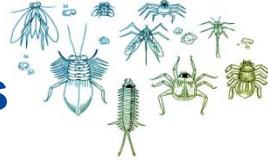


Forum		Topics
 <b>General</b>	General DATEX issues	1
 <b>Payload Publications</b>	Discussions on information managed in Payload Publications	1
 <b>Exchange</b>	Discussion on all staff that is related to DATEX Data Exchange, PIM, Webservices, related issues	2
 <b>Standardization Issue</b>	All topics that are related to Stadarization Issues	0
<b>Extensions</b> this will contain any forums related to Extentions proposed by Datex 2 nodes developers		
 <b>Catalogue</b>	This Forum is to Discuss the Catalogue extension proposed by GEVAS software GmbH at <a href="http://www.datex2.eu/content/catalogue-extension">http://www.datex2.eu/content/catalogue-extension</a>	1
 <b>VMS</b>	VMS Extension has been submitted by IT and UK at <a href="http://www.datex2.eu/content/vms-publication-extension">http://www.datex2.eu/content/vms-publication-extension</a>	2



This feature allows the registered users to submit:

- Bugs
- New features requests



for review, comment and approval by the DATEX II Technical Group.

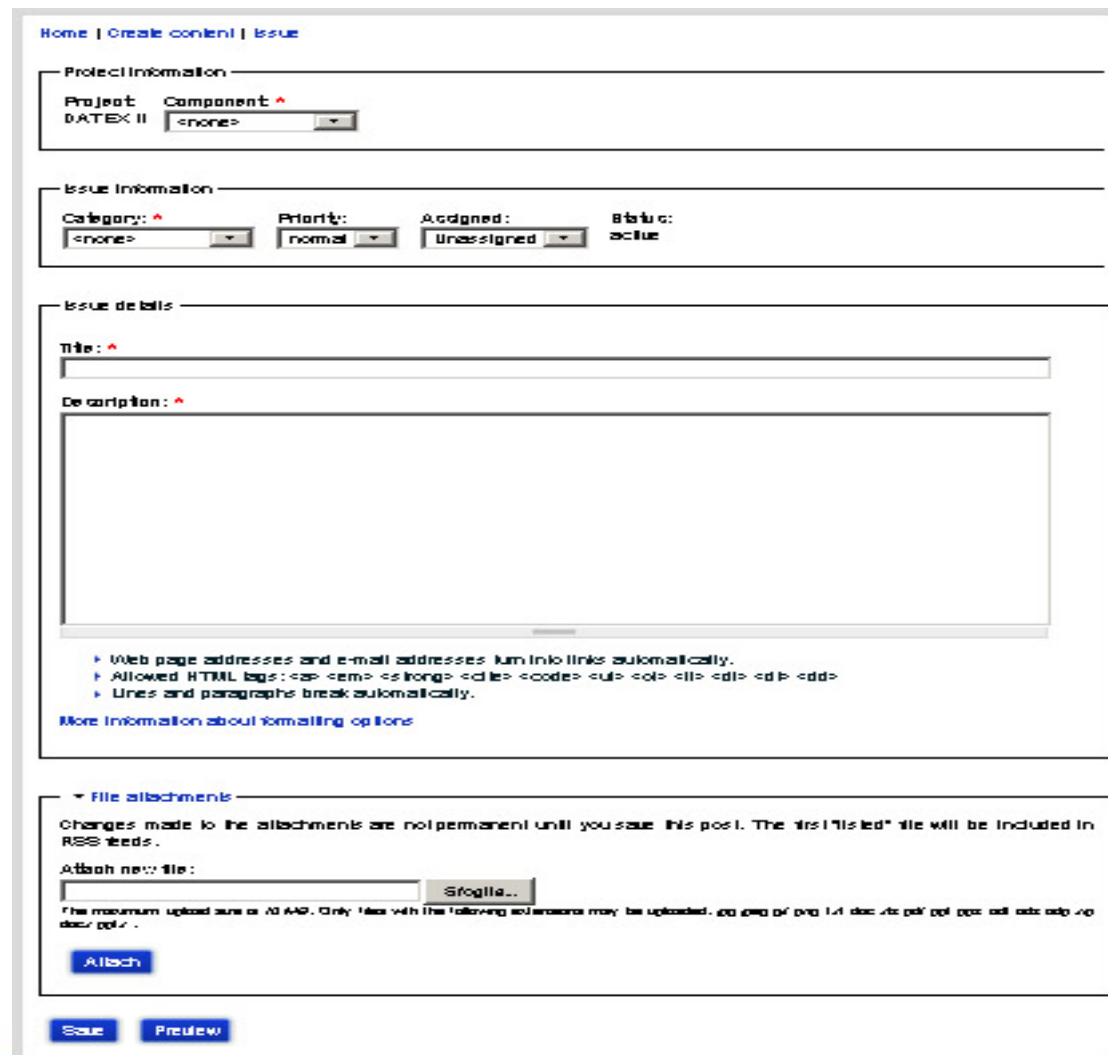


Project	Summary	ID	Status	Priority	Category	Replies	Last updated	Source
DATEX II Test	new	170	active	normal	feature requests		1 week 5 days	Website

A registered users, by create a new Issue, is able to raise an issue on an official Datex II releases or published Extensions.

Then they have to compile some other fields:

- Component
- Category
- Title and Description
- Attach a file as further documentation
- Preview / Save to publish the issue



Home | Create content | Issue

Protect information

Project: DATEX II Component: <none>

Issue information

Category: <none> Priority: normal Assigned: Unassigned Status: active

Issue details

Title: \*

Description: \*

Web page addresses and e-mail addresses turn into links automatically.  
Allowed HTML tags: <a> <em> <strong> <code> <ul> <ol> <li> <dl> <dd>  
Lines and paragraphs break automatically.

More information about formatting options

File attachments

Changes made to the attachments are not permanent until you save this post. The first listed file will be included in RSS feeds.

Attach new file: [input] [Browse...]

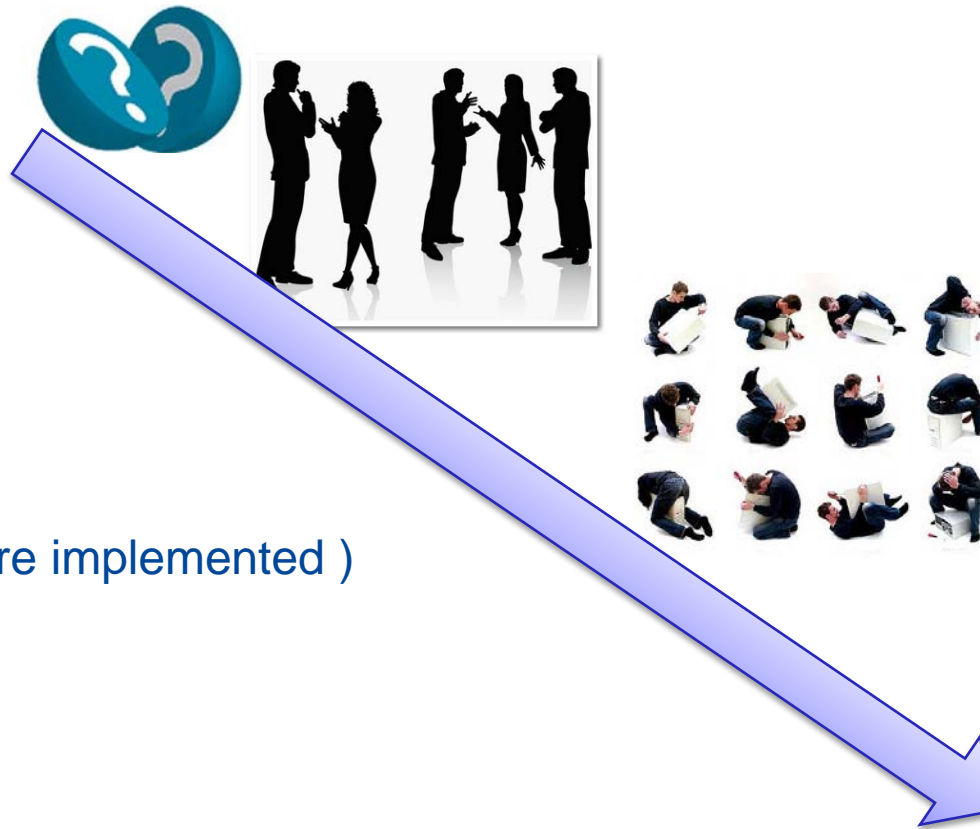
The maximum upload size is 10 MB. Only files with the following extensions may be uploaded: .doc .docx .png .pdf .ppt .pps .xls .xlsx .zip .docx .pptx

[Attach]

[Save] [Preview]

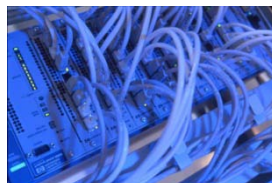
1. New Issue is Received
2. Issues are verified and validated by helpdesk
3. After Elaboration by TG members additional status information is set:

- *(active)*
- postponed
- needs work
- needs review
- ready to commit
- fixed ( bug )
- won't fix
- closed ( new feature implemented )
- duplicated
- by design



## Datex Node Information

- Node Name
- DATEX version
- Network coverage
- Organization details:
- Centre type (TIC, TCC, SP..)
- Extension used if any
- Attach documents for further information



TG to verify information and publish the DATEX node on website

### Autostrade per l'Italia - Italy

File: 27/11/2009 - 19:56 | [Fabrizio Paoletti](#)

#### Covered network:

The node is allowed to supply information from the whole motorway network managed by Autostrade per Italia group concessionaires described at the following link at [autostrade website](#). The node is not operational at the moment as there is no agreement signed but it may be used for testing purposes under certain limitations to be agreed.

#### Publication:

Situation  
other

#### Organization

##### Organization name:

Autostrade per l'Italia

##### Organization description:

Autostrade per l'Italia is the leading National and European Concessionaire for toll motorway construction and management, and for related transport services.

##### Organization logo:



##### Website:

[www.autostrade.it/en/index.html](http://www.autostrade.it/en/index.html)

##### Country/Region:

Italy

##### Centre type:

TIC

##### Location Referencing Format:

RDS-TMC

#### Extension

##### Extension:

Extension

##### Extension description:

A VMS extension model is under development and will be available for testing at beginning of 2010. The version under development is based on a 1.0 model version but enhancement to model 2.0 based extension or model is being considered.



## Information requested for DATEX Extensions:



- Extension Name
- Node implementing the Extension
- Datex version
  
- Extension object
- Extension information
- Files required to validate the extension
  - Extension PIM EA file
  - XMI file of model
  - XML Schema
  - Documentation of model

TG to verify information provided and publish the DATEX Extension

### VMS Publication Extension

Wed, 01/07/2009 - 11:26 | [timwright](#)

Extension object:

VmsPublication

Extension information:

This is an initial draft of a proposed level B extension for a new VMS publication. It allows current information relating to Variable Message Signs which are deployed across the road network to be published without having to be associated with a Situation.

It is intended that the structures used in this proposal are made reusable which will allow them to replace the SignSetting sub-model within the current SituationPublication.

Where enumerations overlap with existing enumerations in the current model a prefix of "VmsExt" has been added to the enumeration name. This prefix would of course be removed if/when this proposal is incorporated into the level A model and replaces the current SignSetting structure.

The full EA Model file and XML Schema which incorporate the proposed new VMS Publication into the Level A model are downloadable below. Also the separate xmi export file just containing the Extension package is made available for download.

#### Organization

Organization name:

Autostrada per l'Italia and The Highways Agency (England)

Organization description:

Autostrada per l'Italia is the lead Concessionaire for toll motorways in Italy.

The Highways Agency is responsible for the management and operation of the strategic road network in England comprising the motorway network and the non-urban trunk road network.

Website:

<http://www.autostrade.it/en/> and <http://www.highways.gov.uk/>

Country/Region:


Italy and England

Centre type:

TMC

#### Attachment

EA Model File:

 [VmsPublicationExtension\\_v0.1\\_based\\_on\\_PIMv2.0RC1.zip](#)

XMI file:

 [VmsPublication\\_Extension\\_package.xml](#)

XML schema:

 [DATEXII\\_VmsPublicationExt\\_Schema\\_2\\_0RC1\\_2\\_0.xsd](#)

PDF Documentation:

 [VMS model overview](#)



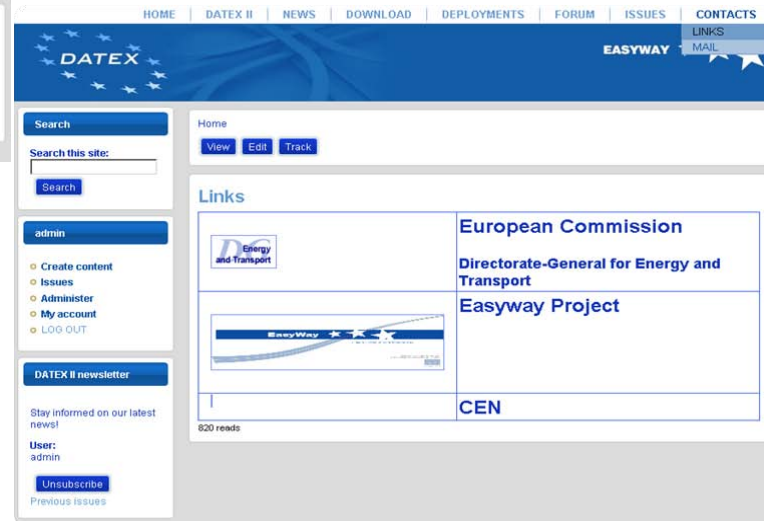
## Links:

### Institutional links

## Mail:

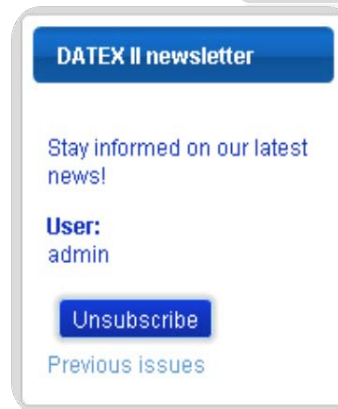
### Contacts the DATEX Technical Group

- Website problem: [webmaster@datex2.eu](mailto:webmaster@datex2.eu)
- DATEX II related: [helpdesk@datex2.eu](mailto:helpdesk@datex2.eu)

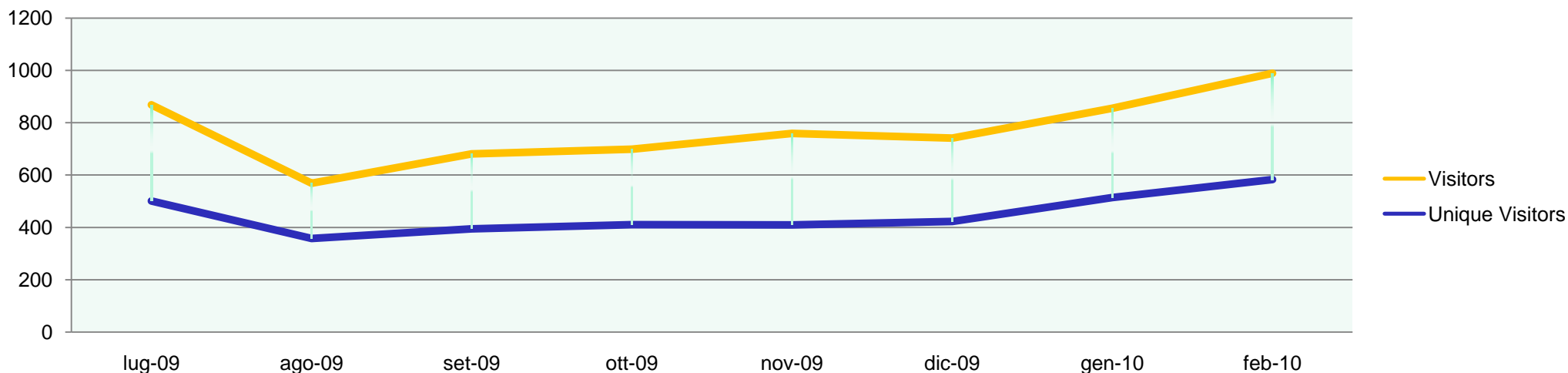


## Newsletter:

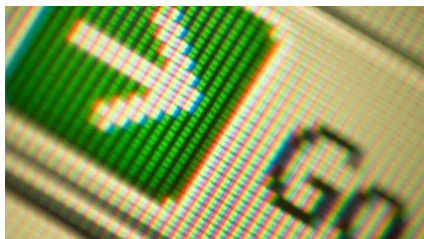
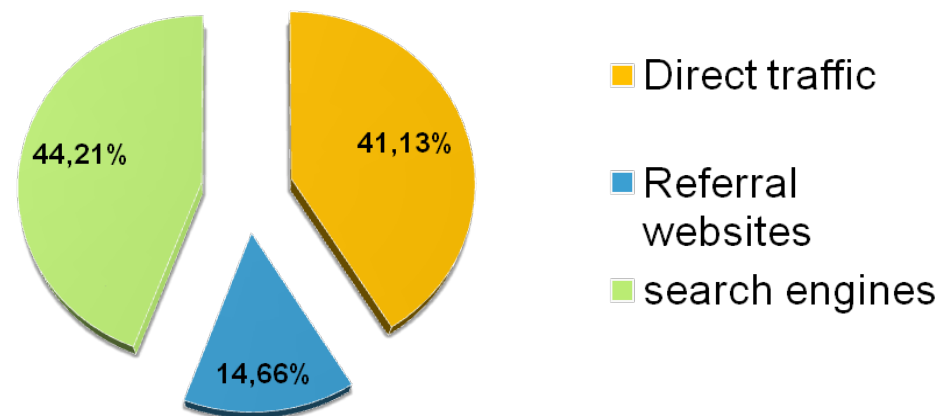
Stay informed on DATEX II upcoming !



## DATEX2.eu



**In 8 months, the subscriptions of the Datex II website are increased since the current number 306 registered users. The number of pages visited day by day is constantly increasing.**





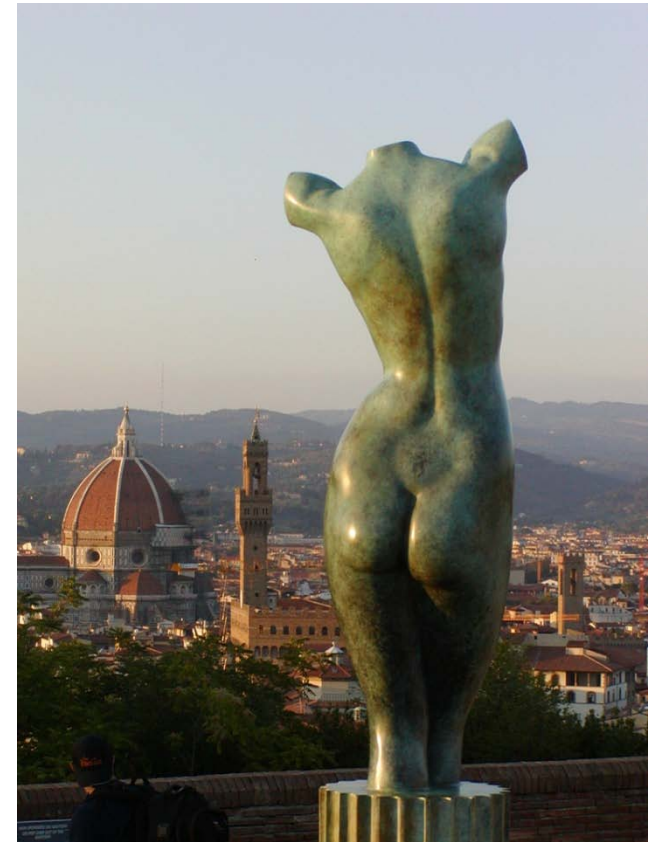
## Question is raised



## Problem is considered



## Elegant Solution Found



Images: courtesy of Fabrizio Paoletti © [www.flickr.com/classicdreamer](http://www.flickr.com/classicdreamer)



EasyWay

Thanks for your attention

Fabrizio Paoletti

DATEX TG

Italy: Autostrade // Tech

