PMT Database IATI Compatibility

Comprehensive documentation of how the PMT database is compatible with the **IATI (*International Aid Transparency Initiative*) Standards**.

What are the IATI Standards?

The IATI Standard provides a model for publishing aid information, enabling diverse and dispersed information to be compared for the benefit of the international community.

How is the PMT Database compatible with the IATI Standards?

- The data model (the tables and their relationships) was built using the IATI Standard as a guide.
- The PMT uses a taxonomy data model to classify data records or fields. Any IATI Codelist can be loaded into the PMT as a taxonomy using an import function.
- We have an import function to load a IATI formatted activities document into the PMT Database. Currently supporting IATI Activities schema version 2.01 & 1.04.

PMT Database Benefits

- Ability to compare any datasets within the IATI Registry that have a location or any other aid dataset that has the basic data elements (activity title, location) that can be manually loaded into the PMT Database.
- Ability to spatially visualize data within the PMT Database through the PMT Viewer, a web application specifically developed in tandem with the PMT Database to offer visualization, summarization and other data discovery tools allowing the international community to explore and compare.
- A wealth of database functions supporting a wide variety of data functionality. Functions support both common functions, such as CRUD, and application specific logic.
- The PMT Database is well documented and continually being improved upon through its increased usage.

Documentation Specifics

Core IATI Codelists

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Description

The PMT Database depends on a select number of IATI Codelists to be loaded in order to support core PMT Database logic. Any number of the IATI Codelists can be loaded into the PMT, however the following codelists **must** be loaded into the PMT Database **before any activity data**.

Codelists
- Activity Scope

- Activity Status

- Country

- Currency

- DAC 3 Digit Sector (Sector Category)

- DAC 5 Digit Sector

- Finance Type (category)

- Finance Type

- Gazetteer Agency

- Geographic Exactness

- Geographic Location Class

- Geographic Location Reach

- Geographic Vocabulary

- Geographical Precision

- Gazetteer Agency

- Language

- Location Type (category)

- Location Type

- Organisation Role

- Organisation Type

- Result Type

- Sector Vocabulary

- Transaction Type

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How to Load IATI Activities

The IATI Data Registry has a vast number of organizations publishing their data in the registry using the IATI Activities Standard. Any dataset using the IATI Activities schema version 2.01 & 1.04 in this registry can be loaded into the PMT, by following the below instructions:

1. Download a published activity dataset from the registry.

World Bank activity file for AFGHANISTAN   OPEN DATA

IATI data updated: 2015-06-12 17:07 · No. of Activities: 24

View Metadata · Download (479.7 KB) · Preview ☑

2. Open the downloaded xml file in a text viewer program (i.e. WordPad, NotePad, TextEdit) and retreive the document encoding type from the xml tag's encoding attribute:

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<iati-activities version="2.01" generated-datetime="2015-07-
28T16:32:34">
```

3. Match the encoding to one the listed Postgres encodings below:
- SQL_ASCII
- BIG5
- EUC_CN
- EUC_JP
- EUC_KR
- EUC_TW
- GB18030
- GBK
- LATIN6
- LATIN7
- LATIN8
- LATIN9
- LATIN10
- LATIN1
- LATIN2
- LATIN3
- LATIN4
- ISO_8859_5
- ISO_8859_6

- ISO_8859_7
- ISO_8859_8
- LATIN5
- JOHAB
- KOI8R
- KOI8U
- MULE_INTERNAL
- SJIS
- WIN1258
- UHC
- UTF8
- WIN1250
- WIN1251
- WIN1252
- WIN1256
- WIN866
- WIN874
- EUC_JIS_2004
- SHIFT_JIS_2004
4. Open and follow the instructions outlined in PMT IATI Activities in the /Documentation/Installation folder of the repo.

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IATI to PMT Field Mapping

Description

The pmt_iati_import function loads a IATI Activity formatted XML document into the PMT database. The following table documents the mapping of data from the XML document elements and attributes into the PMT table fields. Only the listed IATI

Activity schema elements listed are loaded into the PMT Database. Each development cycle of the database adds more elements and enriches the functionality of the system. The below documentation reflects version 2.01 of the Activity Standard.

XML Element	XML Attribute	PMT Table	PMT Field	Taxonomy	Description
iati-identifier	text()	activity	_iati_identifier		The unique identifier for the activity. This is the source's identifier, not the PMT primary key.
title/narrative	xml:lang	activity	_title	Language	The language of the activity title.
title/narrative	text()	activity	_title		The activity title.
description/narrative	xml:lang	activity	_description, _objective, _content	Language	The language of the activity field.
description/narrative	text()	activity	_description, _objective, _content		The activity description, objective or content.
description	type				The type determines the placement of the text into the activity table. 1: _description, 2: _objective, 3/other: _content
activity-date	type				The type determines the placement of the date into the activity table: 1: _plan_start_date, 2: _start_date, 3: _plan_end_date, 4/other: _end_date
activity-date	iso-date	activity	_plan_start_date, _start_date,		The activity description, objective or content.

			_plan_end_date, _end_date		
activity-scope	code	activity		Activity Scope	The Activity Scope taxonomy classification is assigned to the activity record according to the IATI code.
activity-status	code	activity		Activity Status	The Activity Status taxonomy classification is assigned to the activity record according to the IATI code.
sector	vocabulary	activity			Determines which Sector taxonomy to use when assigning the sector@code: 1: Sector, 2: Sector Category
sector	code	activity		Sector OR Sector Category	The Sector OR Sector Category taxonomy classification is assigned to the activity record according to the IATI code.
participating-org/narrative	xml:lang	organization	_name	Language	The language of the organization field.
participating-org/narrative	text()	organization	_name		The organization's name.
participating-org	type	organization		Organisation Type	The Organisation Type taxonomy is assigned to the above organisation record according to the iati code.
participating-org	role	participation		Organisation Role	A participation record is created between the above organization and the activity and the Organisation Role taxonomy is assigned to the

					participation record according to the IATI code.
contact-info/person-name/narrative	text()	contact	_first_name		The contact's name. IATI doesn't split up the name into first and last, so all is stored in _first_name.
contact-info/job-title/narrative	text()	contact	_title		The contact's title.
contact-info/telephone/narrative	text()	contact	_direct_phone		The contact's phone.
contact-info/email/narrative	text()	contact	_email		The contact's email.
contact-info/website/narrative	text()	contact	_url		The contact's website/url.
contact-info/organization/narrative	text()	contact	organization_id		The organization record is created if it does not exist. The organization_id is added to the contact (foreign key).
location/point/pos	text()	location	_point		The location point is created using the latitude and longitude values.
location/location-id	vocabulary	location		GeographicVocabulary	The Geographic Vocabulary taxonomy classification is assigned to the location record according to the IATI code.
location/location-id	code	location	_geographic_id		The geographic feature id of the boundary specified by the location/location-id@vocabulary code.
location/name/narrative	xml:lang	location	_title	Language	The language of the location

title.

location/name/narrative	text()	location	_title		The lcoation title.
location/description/narrative	xml:lang	location	_description	Language	The language of the location field.
location/description/narrative	text()	location	_description		The location description.
location/administrative	vocabulary	location		GeographicVocabulary	The Geographic Vocabulary taxonomy classification is assigned to the location record according to the IATI code.
location/administrative	code	location	_geographic_id		The geographic feature id of the boundary specified by the location/administative@vocabulary code.
location/administrative	level	location	_geographic_level		The geographic level of the boundary specified by the location/administative@vocabulary code.
location/location-reach	code	location		Geographic Location Reach	The Geographic Location Reach taxonomy classification is assigned to the location record according to the IATI code.
location/exactness	code	location		Geographic Exactness	The Geographic Exactness taxonomy classification is assigned to the location record according to the IATI code.
location/location-class	code	location		Geographic Location Class	The Geographic Location Class taxonomy classification is assigned to the location record according to the IATI code.

location/feature-designation	code	location		Location Type	The Location Type taxonomy classification is assigned to the location record according to the IATI code.
budget/value	text()	financial	_amount		The financial amount.
budget/value	currency	financial		Currency	If the currency is NOT USD then the Currency taxonomy classification is assigned to the financial record according to the IATI code. PMT assumes all amounts are USD unless otherwise flagged by a taxonomy.
budget/period-start	iso-date	financial	_start_date		The financial start date.
budget/period-end	iso-date	financial	_end_date		The financial end date.
planned-disbursement/value	text()	financial	_amount		The financial amount.
planned-disbursement/value	currency	financial		Currency	If the currency is NOT USD then the Currency taxonomy classification is assigned to the financial record according to the IATI code. PMT assumes all amounts are USD unless otherwise flagged by a taxonomy.
planned-disbursement/period-start	iso-date	financial	_start_date		The financial start date.
planned-disbursement/period-end	iso-date	financial	_end_date		The financial end date.

transaction/value	text()	financial	_amount		The financial amount.
transaction/value	currency	financial		Currency	If the currency is NOT USD then the Currency taxonomy classification is assigned to the financial record according to the IATI code. PMT assumes all amounts are USD unless otherwise flagged by a taxonomy.
transaction/transaction-date	iso-date	financial	_start_date		The financial start date.
transaction/finance-type	code	financial		Finance Type	The Finance Type taxonomy classification is assigned to the financial record according to the IATI code.
transaction/transaction-type	code	financial		Transaction Type	The Transaction Type taxonomy classification is assigned to the financial record according to the IATI code.
transaction/sector	vocabulary	activity			Determines which Sector taxonomy to use when assigning the sector@code: 1: Sector, 2: Sector Category
transaction/sector	code	activity		Sector OR Sector Category	The Sector OR Sector Category taxonomy classification is assigned to the activity record according to the IATI code.