

# EPA Metadata Editor (EME) v4



4/9/2014

# EME 4x Goals

- Support for OMB's Open Data Policy (Common Core Metadata/DCAT)
- Update User Interface and Remove dependency on MS Access for stored content (xml based instead)
- Utilize the enhanced capabilities of the ISO 19115 series (URLs and Services)



# EME 4x Goals

- Support for OMB's Open Data Policy (Common Core Metadata/DCAT)

## "Common Core" Required Fields

The following "common core" fields are required, to be used to describe each entry:

*(Consult the 'Further Metadata Field Guidance' section lower in the page to learn more about the use of each element, including the range of valid entries where appropriate. Consult the [schema maps](#) to find the equivalent DCAT, Schema.org, and CKAN fields.)*

Field	Label	Definition
title	Title	Human-readable name of the asset. Should be in plain English and include sufficient detail to facilitate search and discovery.
description	Description	Human-readable description (e.g., an abstract) with sufficient detail to enable a user to quickly understand whether the asset is of interest.
keyword	Tags	Tags (or keywords) help users discover your dataset; please include terms that would be used by technical and non-technical users.
modified	Last Update	Most recent date on which the dataset was changed, updated or modified.
publisher	Publisher	The publishing entity.
contactPoint	Contact Name	Contact person's name for the asset.
mbox	Contact Email	Contact person's email address.
identifier	Unique Identifier	A unique identifier for the dataset or API as maintained within an Agency catalog or database.
accessLevel	Public Access Level	The degree to which this dataset <b>could</b> be made publicly-available, <i>regardless of whether it has been made available</i> . Choices: public (Data asset is or could be made publicly available to all without restrictions), restricted public (Data asset is available under certain use restrictions), or non-public (Data asset is not available to members of the public)



# EME 4x Goals

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- **Update User Interface and Remove dependency on MS Access for stored content (xml based instead)**

MS Access

Table Tools

Contact\_Information - Microsoft Access

File Home Create External Data Database Tools Fields Table

View Paste Copy Format Painter Filter Filter Ascending Selection Descending Advanced Refresh All Delete More Find Select Size to Fit Form Windows Switch Text Formatting

All Access Objects

2g\_CoordSystem 2b\_GeographicParams 2b\_StatePlaneParams 2b\_UTMParams 2b\_WebMercatorParams 2c\_Horizontal\_Accuracy\_Report 2c\_Units 2d\_Datum 2e\_Citation 2f\_Definition 2f\_DefinitionSource 2g\_spdo 2g\_spdo\_sdt 2g\_spdo\_vpf 2h\_srcinfo 3a\_ResourceType 3b\_DistributionLiability 3c\_MetadataStandard Contact\_Information conv CSDGM\_Elements CSDGM\_Elements2 EME EME\_GUI HorizCoordSys\_cluster Params\_LambertConformal27 Params\_LambertConformalB3 Params\_ObliqueMercator Params\_Polyconic

Ord	cntorg	cntper	cntpos	add	address1	address2	city	sta	postal	city
32	U.S. Environme	Tom Giffen	Chief, Information T	mailing	5 Post Office Square, Suite 100		Boston	MA	02109	617
33	U.S. Environme	Bob Simpson	GIS Analyst	mailing	290 Broadway		New York	NY	10007	(21
34	U.S. Environme	Grace Smith	GIS Analyst	mailing	290 Broadway		New York	NY	10007	212
35	U.S. Environme	Harvey Simon	EPA Geospatial Inf	mailing	2810A, Room 5312C EPA Ariel Rios North		Washington	DC	20460	(20
36	U.S. Environme	Linda Timander	GIS Analyst	mailing	290 Broadway		New York	NY	10007-1866	(21
38	U.S. Environme	Robert Eckman	GIS Database Adm	mailing	290 Broadway		New York	NY	10007-1866	(21
39	U.S. Environme	Suk-Yee Tang	GIS Analyst	mailing	290 Broadway		New York	NY	10007-1866	(21
41	U.S. Environme	Don Evans	GIS Analyst	mailing	1650 Arch Street		Philadelphia	PA	19103-2029	(21
42	U.S. Environme	John Graves	GIS Analyst	mailing	1650 Arch Street	Mail Code: 3EA	Philadelphia	PA	19103-2029	215
43	U.S. Environme	Matthew Mellon	GIS Analyst	mailing	1650 Arch Street		Philadelphia	PA	19103-2029	215
48	U.S. Environme	David Parrish	EDG Project Manag	mailing	1445 Ross Avenue, Suite 1200		Dallas	TX	75202-2733	214
49	U.S. Environme	Jeff Danielson	GIS Analyst	mailing	1445 Ross Avenue, Suite 1200		Dallas	TX	75202-2733	214
50	U.S. Environme	Melody Lister	GIS Analyst	mailing	1445 Ross Avenue, Suite 1200		Dallas	TX	75202-2733	214

# MS Access

EmeDatabase

Contact\_Information Enable Edit Mode

Publisher	OnlineLinkage	KeywordsEPA	KeywordsISO	KeywordsUser	KeywordsPlace	cntper	cntpos	addtype	a
		Agency, Region 1				Tom Giffen	Chief, Information Technology Section	mailing and physical address	5
		Agency, Region 2, GIS Team				Bob Simpson	GIS Analyst	mailing and physical address	2
		Agency, Region 2, GIS Team				Grace Smith	GIS Analyst	mailing and physical address	2
		U.S. Environmental Protection Agency, Office of Environmental Information				Harvey Simon	EPA Geospatial Information Officer	mailing and physical address	2
		U.S. Environmental Protection Agency, Region 2, GIS Team				Linda Timander	GIS Analyst	mailing and physical address	2
		U.S. Environmental Protection Agency, Region 2, GIS Team				Robert Eckman	GIS Database Administrator	mailing and physical address	2
		U.S. Environmental Protection Agency, Region 2, GIS Team				Suk-Yee Tang	GIS Analyst	mailing and physical address	2
		U.S. Environmental Protection Agency, Region 3				Don Evans	GIS Analyst	mailing and physical address	1
		U.S. Environmental Protection Agency, Region 3				John Graves	GIS Analyst	mailing and physical address	1
		U.S. Environmental Protection Agency, Region 3				Matthew Mellon	GIS Analyst	mailing and physical address	1
		U.S. Environmental Protection Agency, Region 6				David Parrish	EDG Project Manager	mailing and physical address	1
		U.S. Environmental Protection Agency, Region 6				Jeff Danielson	GIS Analyst	mailing and physical address	1
		U.S. Environmental Protection Agency, Region 6				Melody Lister	GIS Analyst	mailing and physical address	1
		U.S. Environmental Protection Agency, Region 7				Holly Mehl	GIS Analyst	mailing and physical address	9
		U.S. Environmental Protection Agency, Region 8				Tony Selle	GIS Technical Coordinator	mailing and physical address	1
		U.S. Environmental Protection Agency, Region 9				Cheryl Henley	GIS Coordinator	mailing and physical address	7
		U.S. Environmental Protection Agency, Region 10				Scott Augustine	GIS Technical Coordinator	mailing and physical address	1
		U.S. Environmental Protection Agency, Research Triangle Park				EPA GIS Agency Central Support	OEI RTP NCC GIS	mailing and physical address	U
		U.S. Environmental Protection Agency, Office of Environmental Information...				Ana Greene	Environmental Protection Specialist	mailing and physical address	1
		U.S. Environmental Protection Agency, Office of Air and Radiation-Office o...				Brian Stitt	EDG Steward	mailing and physical address	1
		U.S. Environmental Protection Agency, Office of Environmental Information				Kim Balassiano	EDG Steward	mailing and physical address	1
		U.S. Environmental Protection Agency, Office of Environmental Information				David Smith	EDG Steward	mailing and physical address	1
		U.S. Environmental Protection Agency, Office of Environmental Information				Lee Kyle	Geospatial Data Owner	mailing and physical address	1
		U.S. Environmental Protection Agency, Office of Environmental Information				Tim Richards	Geospatial Data Owner	mailing address	1
		U.S. Environmental Protection Agency, Office of Research and Developm...				Phillio Morefield	EDG Steward	mailing and physical address	1

# Win Form

EPA Metadata Editor v3.2

File Edit Tools Help

Basic Data Set Information | Quality, Coordinate System, and Attribute Information | Distribution & Metadata Information

**Distribution Information**

\* **Distribution Contact**

Primary Person  Primary Organization

| (from metadata record)

**Data Resource Type**

\* **Type of data set?**

\* **Distribution Liability**

**Metadata Information**

\* **Metadata Date:**

\* **Metadata Future Review Date:**

\* **Metadata Contact**

Primary Person  Primary Organization

| (from metadata record)

**Metadata Standard**

\* **Standard Name:**

\* **Standard Version:**



## Expandable Content

Metadata Information

Identifier

Language

Type of Resource

Last Modified

+ Metadata Author 1 of 1

Metadata Standard

Standard Name

Standard Version

Metadata Author 1 of 1

Role

Individual  Cheryl Henley | U.S.

Organization

Position

CI\_Contact

Address

City  State/Province  Zip

Country

Phone

Fax

E-Mail

Linkage

Linkage Type

Hours of Service

Contact Instructions

# EME 4x Goals

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- **Utilize the enhanced capabilities of the ISO 19115 series (URLs: Services, FTP & Web sites)**

# URLs: Service & Distribution Info

EPA Metadata Editor v3.2

File Edit Tools Help

Basic Data Set Information Quality, Coordinate System, and Attribute Information Distribution & Metadata Information

**Citation**

\* Origin: US Environmental Protection Agency [D]

\* Title: USEPA Geospatial Metadata Sample Title [D]

**Publisher**

\* Published by: U.S. EPA Office of Environmental Information (OEI) [D]

Published at: Washington, DC [D] Date: 2007 [D] today

**Online Linkage**

\*\* Primary Linkage: https://edg.epa.gov [D] ✓

\*\* Secondary Linkage: http://www.epa.gov/geospatial/ [D] ✓

\*\* Linkage 3: http://www.epa.gov/geospatial/ [D] ✓

\*\* Linkage 4: http://www.epa.gov/geospatial/ [D] ✓

\*\* Linkage 5: http://www.epa.gov/geospatial/ [D] ✓

\*\* Linkage 6: http://www.epa.gov/geospatial/ [D] ✓

\*\* Linkage 7: http://www.epa.gov/geospatial/ [D] ✓

\*\* Linkage 8: http://www.epa.gov/geospatial/ [D] ✓

\*\* Linkage 9: http://www.epa.gov/geospatial/ [D] ✓

\*\* Linkage 10: http://www.epa.gov/geospatial/ [D] ✓

YELLOW \* mandatory GREEN \*\* mandatory if applicable BLUE optional Click on text to link to element description Save Save & Close

**Bounding Box**

USA [D]

\* N: 61.7110157 \* E: -12.68151645

\* S: 6.65223303 \* W: -138.21454852

**Keywords**

ISO EPA User Place

biota  
boundaries  
imagery/Meteorology/Atmosphere  
elevation  
classification  
farming  
geoscientificInformation  
health  
imagery/BaseMaps/EarthCover  
land/Waters  
intelligence/Military

**Data Set Constraints**

Access: None.

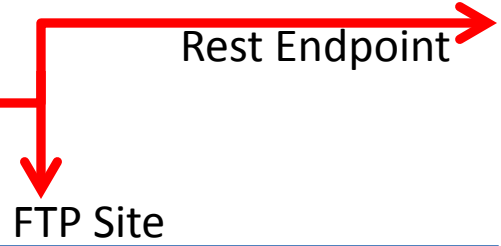
Use: None. Please check sources, scale, and projection.

Security Classification: No Confidentiality

**Contact**

Primary Person Primary Organization

U.S. Environmental Protection Agency, Region 9



**Distribution Information**

Distributor < 2 of 2 > + -

+ Contact 1 of 1 + -

+ Standard Order Process 0 of 0 + -

+ Distribution Format 0 of 0 + -

+ Digital Transfer Options 1 of 2 + -

Units of Distribution: Region 9

Transfer Size: 80 mb

- Online < 1 of 1 > + -

Linkage: http://www.epa.gov/geospatial/

Protocol: [ ]

Name: [ ]

Description: EDG

Function: download

SV_ServiceIdentification		
1	citation	1
2	abstract	1
3	purpose	0..1
4	credit	0..*
5	status	0..*
6	pointOfContact	0..*
7	resourceMaintenance	0..*
8	graphicOverview	0..*
9	resourceFormat	0..*
10	descriptiveKeywords	0..*
11	resourceSpecificUsage	0..*
12	resourceConstraints	0..*
13	aggregationInfo	0..*
14	serviceType	1
15	serviceTypeVersion	0..*
16	accessProperties	0..1
17	restrictions	0..*
18	keywords	0..*
19	extent	0..*
20	couplingType	1
21	coupledResource	0..*
22	containsOperations	1..*
23	operatesOn	0..*

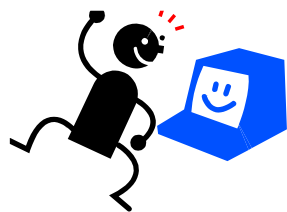






# EME 4x Goals

- Support OMB's Open Data Policy
- Update User Interface
- ISO Capabilities & User Friendly



# Thank You!

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