

# Adoption of RDA-DFT Terminology and Data Model to the Description and Structuring of Atmospheric Data

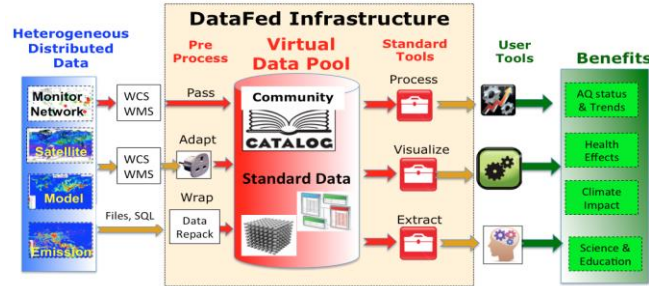
Aaron Addison, Rudolf Husar, Cynthia Hudson-Vitale

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# Background

- DataFed & the Air Quality Community Catalog



# Problem Addressed

- Facilitate data interoperability
- Extend data discovery to non-domain researchers

Air Quality Community Catalog

Help EIP NASA

**SELECT Data**

Home Browse Data

Dataset Platform Parameter

All	<none>	All	2
INTX-8	---- Emissions ----	AbsorbingAOD_blue	AbsorbingAOD_green
MODIS_FIRE	---- GS ----	AbsorbingAOD_infrared	AbsorbingAOD_red
CIESIN_POP_IMC	---- Model ----	Aerosol_aerosol_bext	AG7
NGDC_WMS	AI	ALF	ALT
ATADV	EMERG_CONUS	ammNO3f_bext	ammSO4f_bext
NAAPS_sigma	---- Network ----	ammNO3f_bext	ammSO4f_bext
NOGAPS_sigma			
AERONET_D			
AirBase_D			
AirBase_I1			
AIRNOW			
AQS_D			
AQS_H			
AQS_S			
CSOD			
CSur/Met			
NADP_W			
NAMP			
SURF_MET			
SURF_MET_WIND			
ThaiAQ			
VIEWS	---- Satellite ----	AOD550	AOT_1020
AIRX3STD		AOT_16A	
AVHRR_AOT			
MISR			

Green Datasets are Near-Real-Time.

Export CSV Embed Page Show Table

**FIND Data**

Distributor	Domain	Timeres	Timedomain	Originator
All	All	All	All	All
CIESIN	Aerosol	Day	Frozen	BAMS
Datfed	Demographic	Hour	HalfYear	CIESIN
NASA_ACDISC	Emissions	Month	NRT	CIRA
NGDC	Fire	Year		CPIC-India
	Gas			EPA_AirBase
	GIS			EPA_AIRNOW
				EPA_AQS
				NASA
				NASA_ACDISC
				NASA_AERONET
				NASA_EOSDIS
				NASA_GSFC
				NASA_INTEK-B
				NASA_MISR
				NASA_MODIS

Datatype	Platform	Method	Instrument
All	All	All	All
Grid	Emissions	CMQA	Aerosol Sampler
Image	GIS	FilterSmp	MODIS
Point	Model	Model	NAAPS
Trajectory	Network	Point	Satellite
	Satellite	Polar	TOMS
		Remotesens	Unknown

Map Display Originators :

Originators


Lat:






Lon:

Time: 1980-01-01 to 2015-03-03

# RDA Data Foundation and Terminology (DFT)

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## Data Foundation and Terminology (DFT) WG Recommendations

 Submitted by Peter Wittenburg on Mon, 19/01/2015 - 18:46

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**Analysis and Synthesis of Data Management Terms**

Based on 21 data models presented by experts coming from different disciplines and 120 interviews and interactions with different scientists and scientific departments, the DFT group has produced 5 inter-related reports and defined a number of simple definitions for digital data in a registered domain based on an agreed conceptualization.


**Reference:** <https://rd-alliance.org/groups/data-foundation-and-terminology-wg.html>

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Please download the full **Data Foundation and Terminology (DFT) WG Recommendations** package below, either as a complete zip file *DFT Outcomes* or as individual sections.




-  [Group Wiki](#)
-  [File Repository](#)
-  [Group Mailing list Archive](#)

### Case Statement

-  [Create new Case Statement](#)

### File Repository

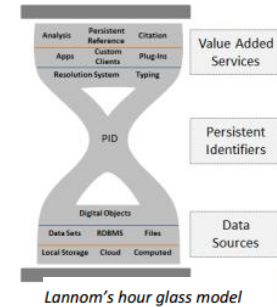
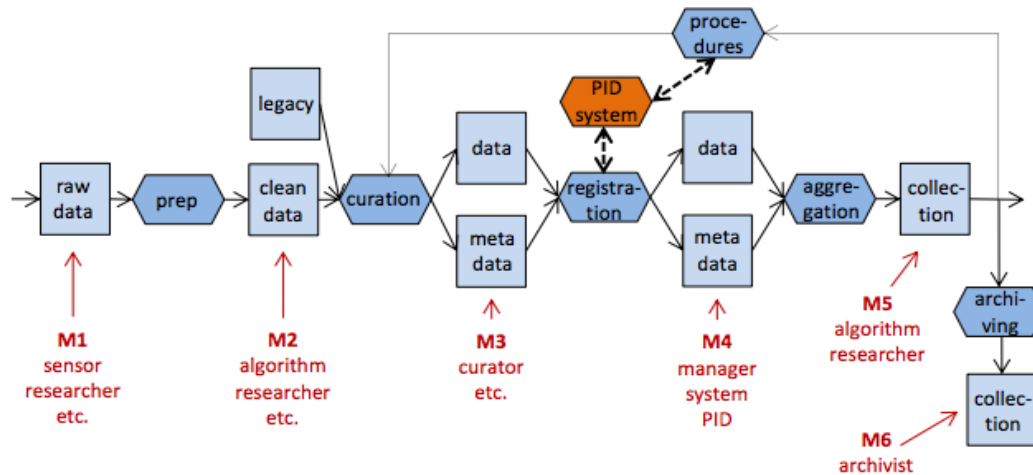
latest files uploaded

-  [First year report on RDA Europe analysis programme](#)
-  [Discussion of Larger Scope DFT Concepts & Terminological Issues](#)
-  [Data Architecture survey report](#)



# RDA Data Foundation and Terminology (DFT) Adoption plan

- Map DFT model to DataFed/AQ Com Cat data model
- Assess potential RDA/DFT compliance
- Real-world evaluation of outcome



## RDA Data Foundation and Terminology (DFT) Adoption Activities & Timeline:

Training	Ongoing
Draft DataFed data model and inventory terms and evaluate existence of PID's	March
Virtual Server	March
Mirror site of AQComCat	March
User testing	March
Compare DFT model to DataFed data model	March/April
Create/assign PID's to AQComCat	April
Reboot AQCom Cat	May
Add new datasource to AQComCat - test understandability of terms with data suppliers.	June
Conduct post-DFT implementation usability of AQComCat	July
Publish paper/report on findings	August

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## RDA Data Foundation and Terminology (DFT) Adoption Outcomes

- Report on usability of RDA DFT model
- Assess fit of the RDA DFT model to DataFed data model
- Evaluate improved discoverability/reuse
- Engage with Data Foundation and Terminology Working Group



Thank you!



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& GIS  
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