

A panoramic view on Metadata Application Profiles of the last decade - Matrix I Application Profiles

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1 Introduction

These are the results (first set of dimensions) of a study reported in the paper “A panoramic view on Metadata Application Profiles of the last decade“. Please refer to this the paper for more information concerning the aim of the study and the work methodology.

2 List of Application Profiles per Domain

Table 1: Application Profile Categorisation

Domain	Table
Agriculture	2
Cross-Domain	8
Cultural Heritage	15
E-Government	23
Learning Objects	30
Libraries/Repositories	61
Science	72
Other	77

2.1 Domain: Agriculture

Table 2: List of analysed Application Profiles in the domain of Agriculture

Agriculture			
Acronym	Name	Table	Singapore
Year: 2005			
AGRIS	AGRIS Network	3	No
Year: 2008			
Organization AP	Organization Application Profile	4	No
Year: 2011			
FiMES	Fisheries Metadata Element Set	5	No
Year: n/a			
Ag-Event AP	Agriculture Events Application Profile	6	No
Ag-Job AP	Agriculture Jobs Application Profile	7	No

Table 3: Application Profile AGRIS

Acronym	AGRIS AP
Year	2005
Name	AGRIS Network
Institution Type	International organization
Domain	Agriculture
Sub Domain	Information Management
Version	V1.1
Singapore	0
Based in	dc, dcterms, agmes
New terms	0
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://www.fao.org/docrep/008/ae909e/ae909e00.htm
URI	n/a

Table 4: Application Profile Organization AP

Acronym	Organization AP
Year	2008
Name	Organization Application Profile
Institution Type	International Organisation/Company
Domain	Agriculture
Sub-Domain	—
Version	n/a
Singapore	
Based in	dc, agmes
New terms	0
Binding	XML
Methodology	1
FR	0
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	ftp://ftp.fao.org/gi/gil/gilws/aims/metadata/docs/organizationap.pdf
URI	n/a

Table 5: Application Profile FiMES

Acronym	FiMES
Year	2011
Name	Fisheries Metadata Element Set
Institution Type	International Organisation/Company
Domain	Agriculture
Sub-Domain	Ficheries
Version	n/a
Singapore	0
Based in	n/a
New terms	n/a
Binding	XML
Methodology	0
FR	0
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://www.fao.org/fishery/topic/166231/en
URI	n/a

Table 6: Application Profile Ag-Event

Acronym	Ag-Event AP
Year	n/a
Name	Agriculture Events Application Profile
Institution Type	International Organisation/Company
Domain	Agriculture
Sub-Domain	events
Version	n/a
Singapore	0
Based in	dc, RSS 1.1, agmes
New terms	1
Binding	XML
Methodology	0
FR	1
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	ftp://ftp.fao.org/docrep/fao/010/ai255e/ai255e00.pdf
URI	n/a

Table 7: Application Profile Ag-Job AP

Acronym	ag-job-AP
Year	n/a
Name	Agriculture Jobs Application Profile
Institution Type	International Organisation/Company
Domain	Agriculture
Sub-Domain	jobs
Version	n/a
Singapore	0
Based in	Dcterms, RSS1.1, agmes
New terms	1
Binding	XML
Methodology	0
FR	0
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://aims.fao.org/sites/default/files/uploadsfiles/ag-job-AP.pdf
URI	n/a

2.2 Domain: Cross-Domain

Table 8: List of analysed Application Profiles Cross-domain

Cross-Domain			
Acronym	Name	Table	Singapore
Year: 2002			
NZGLS	New Zealand Government Locator Service Metadata Element Set	9	No
Year: 2006			
DC-EM AP	Dublin Core E-Markets Application Profile	10	No
Year: 2008			
Audiovisual AP	Audiovisual Application Profile	11	No
Year: 2009			
TBM-AP	Time-based Media Application Profile	12	Yes
VMAP	Variazioni Musical Dublin Core Application Profile	13	Yes
Year: 2010			
AGLS MS	Australian Government Locator Service Metadata Standard	14	No

Table 9: Application Profile NZGLS

Acronym	NZGLS
Year	2002
Name	New Zealand Government Locator Service Metadata Element Set
Institution Type	Country Government
Domain	Cross-Domain
Sub-Domain	---
Version	V2.1
Singapore	0
Based in	dc,dcterms,AGLS
New terms	1
Binding	n/a
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://www.nzgls.govt.nz/
URI	n/a

Table 10: Application Profile DC-EM

Acronym	DC-EM
Year	2006
Name	Dublin Core E-Markets Application Profile
Institution Type	Scientific Community
Domain	Cross-Domain
Sub-Domain	E-markets
Version	n/a
Singapore	0
Based in	dc, IEEE LOM
New terms	1
Binding	XML
Methodology	0
FR	0
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	0
URL	n/a
URI	n/a

Table 11: Application Profile Audiovisual AP

Acronym	Audiovisual AP
Year	2008
Name	Audiovisual Application Profile
Institution Type	Scientific Community
Domain	Cross-Domain
Sub-Domain	—
Version	In development
Singapore	0
Based in	dc, PBCore
New terms	1
Binding	0
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	n/a
URI	n/a

Table 12: Application Profile TBM-AP

Acronym	TBM-AP
Year	2009
Name	Time-based Media Application Profile
Institution Type	Scientific Community
Domain	Cross-Domain
Sub-Domain	Education
Version	n/a
Singapore	0
Based in	dc, dcterms, foaf, frbr, eprint, marcrel, tbn
New terms	1
Binding	n/a
Methodology	0
FR	1
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://wiki.manchester.ac.uk/tbmap
URI	n/a

Table 13: Application Profile VMAP

Acronym	VMAP
Year	2009
Name	Variazioni Musical Dublin Core Application Profile
Institution Type	Scientific Community
Domain	Cross-Domain
Sub-Domain	Music
Version	D23
Singapore	1
Based in	dc, dcterms, foaf
New terms	1
Binding	RDF
Methodology	1
FR	1
DM	1
DSP	1
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://www.variazioniproject.org/vmap
URI	http://purl.org/NET/vmap/ Purl working but URL to where it is redirected is down. Responsible contacted informed us that there was no money to pay the URL.

Table 14: Application Profile AGLS MS

Acronym	AGLS MS
Year	2010
Name	Australian Government Locator Service Metadata Standard
Institution Type	Country Government
Domain	Cross-domain
Sub-Domain	—
Version	AS 5044
Singapore	0
Based in	dc, dcterms, Agent MT, Availability MT
New terms	1
Binding	RDF
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://www.agls.gov.au/documents/aglsterms/
URI	http://www.agls.gov.au/agls/terms/

2.3 Domain: Cultural Heritage

Table 15: List of analysed Application Profiles in the Cultural Heritage domain

Cultural Heritage			
Acronym	Name	Table	Singapore
Year: 2001			
MAG	Comitato Metadati Amministrativi Gestionali	16	No
Year: 2004			
QuinkMap	Quinkan Metadata Application Profile	17	No
Folklore Description AP	Folklore Description Application Profile	18	No
Year: 2007			
PICO	PICO	19	No
Year: 2010			
EMAP	EIAH Metadata Application Profile	20	No
Year: 2012			
ESE	Europeana Semantic Elements	21	No
EDM	Europeana Data Model	22	No

Table 16: Application Profile MAG

Acronym	MAG
Year	2001
Name	Comitato Metadati Amministrativi Gestionali
Institution Type	Country Organisation/Company
Domain	Cultural heritage
Sub-Domain	Cultural Digital Objects
Version	V2.0.1
Singapore	0
Based in	dc, NISO
New terms	1
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	http://www.iccu.sbn.it/opencms/export/sites/iccu/documenti/MAG-Reference-201-en.pdf
URI	n/a

Table 17: Application Profile QuinkanMap

Acronym	Quinkan MAP
Year	2004
Name	Quinkan Metadata AP
Institution Type	Scientific Community
Domain	Cultural Heritage
Sub-Domain	—
Version	n/a
Singapore	0
Based in	dc,dcterms, agls
New terms	1
Binding	0
Methodology	1
FR	0
DM	0
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	n/a
URI	n/a

Table 18: Application Profile Folklore Description AP

Acronym	Folklore description AP
Year	2004
Name	Folklore Description Application Profile
Institution Type	Scientific Community
Domain	Cultural Heritage
Sub-Domain	Collections
Version	n/a
Singapore	0
Based in	dc, dcterms, dc collections, RSLP, MARC, ADL, IEEE LOM
New terms	0
Binding	RDF
Methodology	0
FR	1
DM	0
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	n/a
URI	n/a

Table 19: Application Profile PICO

Acronym	PICO
Year	2007
Name	PICO
Institution Type	Country Organisation/Company
Domain	Other
Sub-Domain	Web Resources
Version	n/a
Singapore	0
Based in	dc,dcterms
New terms	1
Binding	0
Methodology	1
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	n/a
URI	n/a

Table 20: Application Profile EMAP

Acronym	EMAP
Year	2010
Name	EIAH Metadata Application Profile
Institution Type	Scientific Community
Domain	Cultural Heritage
Sub-Domain	—
Version	n/a
Singapore	0
Based in	Dc-lib, MODS
New terms	0
Binding	0
Methodology	1
FR	1
DM	0
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	n/a
URI	n/a

Table 21: Application Profile ESE

Acronym	ESE
Year	2012
Name	Europeana Semantic Elements
Institution Type	International Government
Domain	Cultural Heritage
Sub-Domain	—
Version	V3.4
Singapore	0
Based in	dc,dcterms
New terms	1
Binding	XML
Methodology	0
FR	0
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://pro.europeana.eu/technical-requirements
URI	n/a

Table 22: Application Profile EDM

Acronym	EDM
Year	2012
Name	Europeana Data Model
Institution Type	International Organisation/Company
Domain	Cultural Heritage
Sub-Domain	—
Version	V5.2.3
Singapore	0
Based in	dc, dcterms
New terms	1
Binding	RDF
Methodology	0
FR	0
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://pro.europeana.eu/web/guest/edm-documentation
URI	http://www.europeana.eu/schemas/edm/

2.4 Domain: E-Government

Table 23: List of analysed Application Profiles in the E-Government

E-Government			
Acronym	Name Table	Singapore	
Year: 2005			
GO-WMES	Government of Ontario Web Metadata Element Set	24	No
Year: 2006			
DC-Gov AP	Dublin Core Government Application Profile	25	No
Year: 2008			
e-GMS	e-Government Metadata Standard	26	No
PSI AP	Public Service Information Application Profile	27	No
Year: 2010			
OWMS	Overheid.nl Web Metadata Standaard	28	No
Year: 2012			
ADMS	Asset Description Metadata Schema	29	No

Table 24: Application Profile GO-WMES

Acronym	GO-WMES
Year	2005
Name	Government of Ontario Web Metadata Element Set
Institution Type	Country Government
Domain	E-Government
Sub-Domain	---
Version	V1.0
Singapore	0
Based in	dc, dcterms
New terms	1
Binding	n/a
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://www.mgs.gov.on.ca/en/IAndIT/STEL02-047444.html
URI	n/a

Table 25: Application Profile DC-Gov

Acronym	DC-Gov AP
Year	2006
Name	Dublin Core Government Application Profile
Institution Type	International Organisation/Company
Domain	E-Government
Sub Domain	—
Version	working draft
Singapore	0
Based in	dc, GO-ITS, GOVTALK, NZGLS, JHS143, OWMS
New terms	0
Binding	0
Methodology	1
FR	0
DM	0
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	http://dublincore.org/dcgapwiki/
URI	n/a

Table 26: Application Profile e-GMF

Acronym	e-GMS
Year	2008
Name	e-Government Metadata Standard
Institution Type	Country Government
Domain	E-Government
Sub-Domain	—
Version	V2.0
Singapore	0
Based in	n/a
New terms	1
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://purl.oclc.org/NET/e-GMS_v2
URI	n/a

Table 27: Application Profile PSI AP

Acronym	PSI AP
Year	2008
Name	Public Service Information Application Profile
Institution Type	Scientific Community
Domain	E-Government
Sub Domain	—
Version	n/a
Singapore	0
Based in	dc, dcterms, agls, eGMS, GILS, GovML
New terms	0
Binding	0
Methodology	1
FR	0
DM	0
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	n/a
URI	n/a

Table 28: Application Profile OWMS

Acronym	OWMS
Year	2010
Name	Overheid.nl Web Metadata Standaard
Institution Type	Country Government
Domain	E-Government
Sub-Domain	—
Version	V4.0
Singapore	0
Based in	dc, dcterms
New terms	1
Binding	RDF
Methodology	0
FR	1
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://standaarden.overheid.nl/owms/4.0/doc/
URI	http://standaarden.overheid.nl/owms/terms/

Table 29: Application Profile ADMS

Acronym	ADMS
Year	2012
Name	Asset Description Metadata Schema
Institution Type	Regional Group of People
Domain	E-Government
Sub-Domain	—
Version	V1.0
Singapore	0
Based in	dcterms, foaf, vcard
New terms	0
Binding	RDF
Methodology	1
FR	0
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	https://joinup.ec.europa.eu/asset/adms/home
URI	http://www.w3.org/ns/adms

2.5 Domain: Learning Objects

Table 30: List of analysed Application Profiles in the Learning Objects domain

Learning Objects			
Acronym	Name	Table	Singapore
Year: 2002			
ANZ LOM	ANZ LOM	31	No
FAILTE	Facilitating Access to Information on Learning Technology for Engineers Metadata Set	32	No
Year:2003			
Celebrate AP	Celebrate Application Profile	33	No
CanCore AP	CanCore Application Profile	34	No
FERL	n/a	35	No
HLSI	High Level Skills for Industry Application Profile	36	No
Year:2004			
LOMAP	Learning Objects Metadata Application Profile	37	No
ManUel	Métadonnées pour les Applications Numériques de l'Université en Ligne	38	No
OpenCartable	OpenCartable	39	No
UK LOM Core	United Kingdom Learning Objects Metadata Core	40	No
SCORM	Sharable Content Object Reference Model	41	No
Year:2005			
Ag-LR	Agricultural Learning Resource Application Profile	42	No
AraCore	AraCore	43	No
NORMLOM	Norwegian LOM Application Profile	44	No
TLF AP	The Learning Federation Application Profile	45	No
Year:2006			
MIMETA	Modelo IACORIE de Metadatos	46	No
Edna	Edna	47	No
Year:2007			
DC-Edu	Dublin Core Education Application Profile	48	No
Vedata	VET Metadata Application Profile	49	No
MELT	Metadata Ecology for Learning and Teaching	50	No
ReGov	Rural-eGov Learning Objects Metadata Application Profile	51	No
Year:2008			
Normetic	Normetic	52	No
Year:2009			
Organic Edu.net	Organic Edunet	53	No
CG LOM	Consultative Group on International Agricultural Research	54	No
RLLOMAP	RDN/LTSN Learning Objects Metadata Application Profile	55	No
Year:2010			
CerOrganic AP	Application Profile for Describing CerOrganic DTOs	56	No
LORELOM	LORELOM	57	No
scoLOMFR	scoLOMFR	58	No
Year:2011			
LREAP	Learning Resource Exchange Metadata Application Profile	59	No
BEN	Biosci Education Network Metadata Description	60	No

Table 31: Application Profile ANZ-LOM

Acronym	ANZ LOM
Year	2002
Name	ANZ LOM
Institution Type	Country Organisation
Domain	Learning Objects
Sub-Domain	
Version	V1.02
Singapore	0
Based in	dc, dcterms, SCORM, IEEE LOM
New terms	1
Binding	0
Methodology	0
FR	1
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	n/a
URI	n/a

Table 32: Application Profile FAILTE

Acronym	FAILTE
Year	2002
Name	Facilitating Access to Information on Learning Technology for Engineers Metadata Set
Institution Type	Regional Group of People
Domain	Learning Objects
Sub-Domain	Engineering
Version	V1.2
Singapore	0
Based in	dc, IMS
New terms	1
Binding	0
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://www.failte.ac.uk/documents/guidelines/index.html
URI	n/a

Table 33: Application Profile Celebrate AP

Acronym	Celebrate AP
Year	2003
Name	Celebrate Application Profile
Institution Type	International Group of People
Domain	Learning Objects
Sub-Domain	—
Version	V1.0
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	n/a
URI	n/a

Table 34: Application Profile CanCore AP

Acronym	CanCore AP
Year	2003
Name	CanCore Application Profile
Institution Type	Country Group of People
Domain	Learning Objects
Sub-Domain	—
Version	V2.0
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	XML
Methodology	
FR	1
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://cancore.athabascau.ca/en/
URI	n/a

Table 35: Application Profile FERL

Acronimo	FERL
Year	2003
Name	n/a
Tipo de instituição	Country Government
Domain	Learning Objects
Ub-domínio	—
Version	V1.0
Singapore	0
Based in	dc, IMS
New terms	1
Binding	n/a
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	n/a
URI	n/a

Table 36: Application Profile HLSI

Acronimo	HLSI
Year	2003
Name	High Level Skills for Industry AP
Tipo de instituição	National Group of People
Domain	Learning Objects
Ub-domínio	Engineering
Version	V1.0
Singapore	0
Based in	IEEE LOM
New terms	1
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	0
URL	n/a
URI	n/a

Table 37: Application Profile LOMAP

Acronym	LOMAP
Year	2004
Name	Learning Objects Metadata Application Profile
Institution Type	Scientific Community
Domain	Learning Objects
Sub-Domain	—
Version	n/a
Singapore	0
Based in	IEEE LOM
New terms	1
Binding	n/a
Methodology	1
FR	0
DM	0
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	n/a
URI	n/a

Table 38: Application Profile ManUel

Acronym	ManUel
Year	2004
Name	Métadonnées pour les Applications Numériques de l'Université en Ligne
Institution Type	Scientific Community
Domain	Learning Objects
Sub-Domain	Computer Science
Version	n/a
Singapore	0
Based in	IEEE LOM
New terms	1
Binding	0
Methodology	1
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	0
URL	n/a
URI	n/a

Table 39: Application Profile OpenCartable

Acronym	OpenCartable
Year	2004
Name	OpenCartable
Institution Type	n/a
Domain	Learning Objects
Sub Domain	—
Version	V1.1
Singapore	0
Based in	IEEE LOM, dc
New terms	0
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	https://adullact.net/projects/opencartable/
URI	n/a

Table 40: Application Profile UK LOM Core

Acronym	UK LOM Core
Year	2004
Name	United Kingdom Learning Objects Metadata Core
Institution Type	Country community
Domain	Learning Objects
Sub-Domain	—
Version	Draft V 03_124
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://zope.cetis.ac.uk/profiles/uklomcore/
URI	n/a

Table 41: Application Profile SCORM

Acronym	SCORM
Year	2004
Name	Sharable Content Object Reference Model
Institution Type	Country Organisation/Company
Domain	Learning Objects
Sub Domain	—
Version	V4
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://www.adlnet.gov/capabilities/scorm
URI	n/a

Table 42: Application Profile Ag-LR

Acronym	Ag-LR AP
Year	2005
Name	Agricultural Learning Resource Application Profile
Institution Type	International Group of People
Domain	Learning Objects
Sub Domain	Agriculture
Version	n/a
Singapore	0
Based in	dc, dcterms, AgMES, IEEE LOM
New terms	1
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	0
URL	http://aims.fao.org/metadata/sets/ag-lr-application-profile
URI	n/a

Table 43: Application Profile AraCore

Acronym	AraCore
Year	2005
Name	Aracore
Institution Type	Scientific Community
Domain	Learning Objects
Sub Domain	—
Version	n/a
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	n/a
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	n/a
URI	n/a

Table 44: Application Profile NORMLOM

Acronym	NORMLOm
Year	2005
Name	Norwegian LOM Application Profile
Institution Type	Country Government
Domain	Learning Objects
Sub-Domain	—
Version	V1.0
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://www.estandard.no/norlom/v1.0/
URI	n/a

Table 45: Application Profile TLF AP

Acronym	TLF AP
Year	2005
Name	The Learning Federation Application Profile
Institution Type	Country Government
Domain	Learning Objects
Sub Domain	—
Version	final
Singapore	0
Based in	dc,dcterms, edna, IEEE LOM
New terms	1
Binding	n/a
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://education.au
URI	n/a

Table 46: Application Profile MIMETA

Acronym	MIMETA
Year	2006
Name	Modelo IACORIE de Metadatos
Institution Type	n/a
Domain	Learning Objects
Sub Domain	—
Version	n/a
Singapore	0
Based in	IEEE LOM, dc
New terms	1
Binding	0
Methodology	1
FR	0
DM	0
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	n/a
URI	n/a

Table 47: Application Profile Edna

Acronym	Edna
Year	2006
Name	Edna
Institution Type	Country Government
Domain	Learning Objects
Sub Domain	—
Version	V1.0
Singapore	0
Based in	dc, agls
New terms	1
Binding	0
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://edna.wikispaces.com/Elements+EdNA+Metadata+Standard+1.1
URI	n/a

Table 48: Application Profile DC-Edu

Acronym	DC-Edu
Year	2007
Name	Dublin Core Education Application Profile
Institution Type	International organization
Domain	Learning Objects
Sub-Domain	—
Version	Working draft V0.4
Singapore	0
Based in	dc.dcterms,IEEE LOM
New terms	0
Binding	0
Methodology	1
FR	1
DM	1
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	https://docs.google.com/Doc?id=dn8z3gs-38cgwkvv
URI	n/a

Table 49: Application Profile Vetadata

Acronym	Vetadata
Year	2007
Name	VET Metadata Application Profile
Institution Type	Country Government
Domain	Learning Objects
Sub-Domain	—
Version	V1.0
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	XML
Methodology	0
FR	0
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://e-standards.flexiblelearning.net.au/technical-standards/metadata.php
URI	n/a

Table 50: Application Profile MELT

Acronym	MELT
Year	2007
Name	Metadata Ecology for Learning and Teaching
Institution Type	International Group of People
Domain	Learning Objects
Sub-Domain	—
Version	V1.0
Singapore	0
Based in	LRE AP
New terms	0
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://info.melt-project.eu/ww/en/pub/melt-project/project-deliverables.htm
URI	n/a

Table 51: Application Profile ReGov

Acronym	ReGov LOM
Year	2007
Name	Rural-eGov Learning Objects Metadata Application Profile
Institution Type	International Organisation/Company
Domain	Learning Objects
Sub-Domain	Agriculture (Rural Areas)
Version	n/a
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	n/a
Methodology	0
FR	0
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	n/a
URI	n/a

Table 52: Application Profile Normetic

Acronym	Normetic
Year	2008
Name	Normetic
Institution Type	Country Group of People
Domain	Learning Objects
Sub-Domain	—
Version	V 1.2
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://www.normetic.org/
URI	n/a

Table 53: Application Profile Organic Edu.net

Acronym	Organic Edu.net
Year	2009
Name	Organic Edunet
Institution Type	International Group of People
Domain	Learning Objects
Sub-Domain	Agriculture
Version	V2.0
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	OWL
Methodology	1
FR	0
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://wiki.agroknow.gr/organic-edunet/index.php/Organic.Edunet-Metadata-Application-Profile
URI	n/a

Table 54: Application Profile CG LOM

Acronym	CG LOM
Year	2009
Name	Consultative Group on International Agricultural Research
Institution Type	International Organisation/Company
Domain	Learning Objects
Sub-Domain	Agriculture
Version	n/a
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	XML and RDF
Methodology	1
FR	0
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	https://lirias.kuleuven.be/bitstream/123456789/295784/1/IJMS0%2B41202%2BZschocke%2Bet%2Bal..pdf+&hl=en
URI	n/a

Table 55: Application Profile RLLOMAP

Acronym	RLLOMAP
Year	2009
Name	RDN/LTSN Learning Objects Metadata Application Profile
Institution Type	Scientific Community
Domain	Learning Objects
Sub-Domain	
Version	V1.0
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	XML
Methodology	0
FR	1
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://www.intute.ac.uk/publications/rdn-ltsn/ap/
URI	n/a

Table 56: Application Profile CerOrganic AP

Acronym	CerOrganic AP
Year	2010
Name	Application Profile for Describing CerOrganic DTOs
Institution Type	International Group of People
Domain	Learning Objects
Sub-Domain	Agriculture
Version	V0.2
Singapore	0
Based in	IEEE LOM, LRE AP
New terms	0
Binding	0
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	http://wiki.agroknow.gr/cerorganic/index.php/Main-Page
URI	n/a

Table 57: Application Profile LORE LOM

Acronym	LORELOM
Year	2010
Name	LORELOM
Institution Type	Scientific Community
Domain	Learning Objects
Sub Domain	Higher Education and University
Version	1
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage Guidelines	1
Encoding Syntax Guidelines	0
URL	http://wiki.surf.nl/display/standards/LORElom
URI	n/d

Table 58: Application Profile scoLOMFR

Acronym	scoLOMFR
Year	2010
Name	scoLOMFR
Institution Type	Country Government
Domain	Learning Objects
Sub-Domain	—
Version	V1.1
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	0
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	n/a
URI	n/a

Table 59: Application Profile LREAP

Acronym	LRE AP
Year	2011
Name	Learning Resource Exchange Metadata Application Profile
Institution Type	International Government
Domain	Learning Objects
Sub-Domain	—
Version	V4.5
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://lreforschools.eun.org/web/guest/metadata
URI	n/a

Table 60: Application Profile BEN

Acronym	B E N
Year	2011
Name	Biosci Education Network Metadata Description
Institution Type	National Group of People
Domain	Learning Objects
Sub-Domain	Biological Sciences
Version	V1.3.1
Singapore	0
Based in	IEEE LOM
New terms	0
Binding	0
Methodology	1
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://saas.aaas.org/ben-wiki/doku.php
URI	n/a

2.6 Domain: Libraries/repositories

Table 61: List of analysed Application Profiles in the Libraries/Repositories domain

Libraries/Repositories			
Acronym	Name	Table	Singapore
Year: 2002			
RENAP	Renardus Application Profile	62	No
Year: 2004			
DC-LIB	Dublin Core Library Application Profile	63	No
NLM MS	NLM Metadata Schema	64	No
Year: 2006			
Michael-eu	Michael-eu DCAP	65	No
Year: 2007			
DC-CDAP	Dublin Core Collections Description Application Profile	66	Yes
MAP	State Library of New South Wales Metadata Application Profile	67	No
Year: 2008			
OAI-DC	OAI-DC	68	No
TDL ETD MOS	Texas Diligital Library Electronic Tesis Dissertation	69	No
Year: 2009			
MPEG-21 DIDL	MPEG21 DIDL Application Profile for Institutional Repositories	70	No
Year: 2010			
DRC AP	Digital Resources Commons Application Profile	71	No

Table 62: Application Profile RENAP

Acronym	RENAP
Year	2002
Name	Renardus Application Profile
Institution Type	Scientific Community
Domain	Libraries/Repositories
Sub-Domain	Academic Subject Gateway
Version	Draft
Singapore	0
Based in	dc,dcterms, rmes, rmesq
New terms	1
Binding	n/a
Methodology	0
FR	1
DM	1
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	http://renardus.sub.uni-goettingen.de/renap/
URI	n/a

Table 63: Application Profile DC-LIB

Acronym	DC-LIB
Year	2004
Name	Dublin Core Library Application Profile
Institution Type	International organization
Domain	Libraries/Repositories
Sub-Domain	—
Version	draft version
Singapore	0
Based in	dcterms, mods
New terms	0
Binding	0
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://dublincore.org/documents/library-application-profile/
URI	n/a

Table 64: Application Profile NLM MS

Acronym	NLM MS
Year	2004
Name	NLM Metadata Schema
Institution Type	Country Organisation/Company
Domain	Libraries/Repositories
Sub Domain	Medicine
Version	n/d
Singapore	0
Based in	dc
New terms	1
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage Guidelines	0
Encoding Syntax Guidelines	0
URL	http://www.nlm.nih.gov/tsd/cataloging/metafilenew.html
URI	n/d

Table 65: Application Profile Michael-eu DCAP

Acronym	Michael-eu
Year	2006
Name	Michael-eu DCAP
Institution Type	Scientific Community
Domain	Libraries/Repositories
Sub-Domain	—
Version	Draft
Singapore	0
Based in	dc,dcterms, MARC, rslp, michael
New terms	1
Binding	n/a
Methodology	0
FR	0
DM	1
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	http://www.ukoln.ac.uk/metadata/michael/michael-eu/dcap/
URI	n/a

Table 66: Application Profile DC-CDAP

Acronym	DC-CDAP
Year	2007
Name	Dublin Core Collections Description Application Profile
Institution Type	International organization
Domain	Libraries/Repositories
Sub-Domain	—
Version	n/a
Singapore	0
Based in	dc, dcterms, cld, marcrel
New terms	0
Binding	0
Methodology	0
FR	1
DM	1
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://dublincore.org/groups/collections/collection-application-profile
URI	n/a

Table 67: Application Profile MAP

Acronym	MAP
Year	2007
Name	State Library of New South Wales Metadata Application Profile
Institution Type	Regional Organisation/Company
Domain	Libraries/Repositories
Sub-Domain	Digital Objects, Web Content, Archival Content
Version	V2.3
Singapore	0
Based in	Dc, METS, MODS,MIX, TextMD, MET-SRights, agls
New terms	0
Binding	0
Methodology	1
FR	1
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	n/a
URI	n/a

Table 68: Application Profile OAI-DC

Acronym	OAI-DC
Year	2008
Name	OAI-DC
Institution Type	Scientific Community
Domain	Libraries/Repositories
Sub Domain	Scholarly Communication
Version	2.0
Singapore	0
Based in	dc
New terms	1
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage Guidelines	1
Encoding Syntax Guidelines	1
URL	http://www.driver-support.eu/
URI	n/d

Table 69: Application Profile TDL ETD MOS

Acronym	TDL ETD MODS
Year	2008
Name	Texas Diligital Library Electronic Tesis Dis- sertation
Institution Type	Regional Group of People
Domain	Libraries/Repositories
Sub-Domain	—
Version	V1.0
Singapore	0
Based in	mods
New terms	1
Binding	XML
Methodology	1
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	1
URL	n/a
URI	n/a

Table 70: Application Profile MPEG-21 DIDL

Acronym	MPEG-21 DIDL
Year	2009
Name	MPEG21 DIDL Application Profile for Institutional Repositories
Institution Type	n/d
Domain	Libraries/Repositories
Sub Domain	
Version	3.0
Singapore	0
Based in	dc,dcterms, didl,dii
New terms	1
Binding	XML
Methodology	0
FR	0
DM	1
DSP	0
Usage Guidelines	1
Encoding Syntax Guidelines	0
URL	http://wiki.surf.nl/display/standards/MPEG21+DIDL+Application+Profile+for+Institutional+Repositories
URI	n/d

Table 71: Application Profile DRC AP

Acronym	DRC AP
Year	2010
Name	Digital Resources Commons Application Profile
Institution Type	Regional Group of People
Domain	Libraries/Repositories
Sub-Domain	—
Version	V1.2
Singapore	0
Based in	dc
New terms	0
Binding	0
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	1
Encoding syntax guidelines	0
URL	n/a
URI	n/a

2.7 Domain: Science

Table 72: List of analysed Application Profiles in the Science domain

Science			
Acronym	Name	Table	Singapore
Year: 2006			
SWAP	Scholarly Works Application Profile	73	Yes
Year: 2010			
APIARY	Apiary Schema	74	No
DRYAD	DRYAD	75	Yes
MLAP	Mathematical Library Application Profile	76	No

Table 73: Application Profile SWAP

Acronym	SWAP
Year	2006
Name	Scholarly Works Application Profile
Institution Type	Scientific Community
Domain	Science
Sub Domain	Scholarly Communication
Version	n/a
Singapore	1
Based in	dc, determs, MARC, foaf
New terms	1
Binding	XML
Methodology	0
FR	1
DM	1
DSP	1
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://www.ukoln.ac.uk/repositories/digirep/index/SWAP
URI	http://purl.org/eprint/terms/

Table 74: Application Profile APIARY AP

Acronym	Apiary
Year	2010
Name	Apiary Schema
Institution Type	Scientific Community
Domain	Science
Sub-Domain	Biology
Version	draft V3.2
Singapore	1
Based in	Darwin Core, dc
New terms	1
Binding	XML and RDF
Methodology	1
FR	1
DM	1
DSP	1
Usage guidelines	0
Encoding syntax guidelines	0
URL	http://www.apiaryproject.org/metadata-schema
URI	n/a

Table 75: Application Profile DRYAD

Acronym	DRYAD
Year	2010
Name	DRYAD
Institution Type	Regional Group of People
Domain	Science
Sub-Domain	Data Stores
Version	V3.0
Singapore	1
Based in	dc, dcterms, SM, Darwin Core, Bibio
New terms	1
Binding	XML
Methodology	0
FR	1
DM	1
DSP	1
Usage guidelines	1
Encoding syntax guidelines	0
URL	http://wiki.datadryad.org/Metadata-Profile
URI	n/a

Table 76: Application Profile MLAP

Acronym	MLAP
Year	2010
Name	Mathematical Library Application Profile
Institution Type	n/a
Domain	Science
Sub-Domain	Mathematics
Version	Draft
Singapore	0
Based in	dcterms, DC collections, PRISM
New terms	0
Binding	XML
Methodology	0
FR	0
DM	0
DSP	1
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://projecteuclid.org/documents/metadata/mlap/
URI	n/a

2.8 Domain: Other

Table 77: List of analysed Application Profiles in the Other domain

Other			
Acronym	Name	Table	Singapore
Year: 2001			
IOAP	On Line Journal	78	No
Year: 2008			
OAI-ORE	Open Archives Initiative - Object Reuse and Exchange	79	No
Year: 2009			
CRAP	Application Profile for Ceramic Resources	80	No
Year: 2010			
IAP	Image Application Profile	81	Yes
Year: 2012			
DCAP2AP	Dublin Core Application Profile to Analysis Patterns	82	No

Table 78: Application Profile IOAP

Acronym	IOAP
Year	2001
Name	On Line Journal
Institution Type	Scientific Community
Domain	Other
Sub-Domain	On Line Journal
Version	n/a
Singapore	0
Based in	dcterms, Vcard
New terms	1
Binding	XML
Methodology	0
FR	0
DM	0
DSP	0
Usage guidelines	0
Encoding syntax guidelines	0
URL	http://www.dsi.uminho.pt/io/schemas/io-schema
URI	n/a

Table 79: Application Profile OAI-ORE

Acronym	OAI-ORE
Year	2008
Name	Open Archives Initiative - Object Reuse and Exchange
Institution Type	Scientific Community
Domain	Other
Sub Domain	aggregations of Web resources
Version	1.0
Singapore	0
Based in	dc, dcterms, foaf, ore
New terms	1
Binding	RDF/XML
Methodology	0
FR	0
DM	1
DSP	0
Usage Guidelines	1
Encoding Syntax Guidelines	0
URL	http://www.openarchives.org/ore/
URI	http://www.openarchives.org/ore/terms/

Table 80: Application Profile CRAP

Acronym	CRAP
Year	2009
Name	Application Profile for Ceramic Resources
Institution Type	Scientific Community
Domain	Other
Sub Domain	
Version	n/d
Singapore	0
Based in	CDWA Lite
New terms	1
Binding	RDF
Methodology	0
FR	0
DM	0
DSP	0
Usage Guidelines	0
Encoding Syntax Guidelines	0
URL	http://metadataregistry.org/schema/show/id/19.html
URI	http://metadataregistry.org/uri/schema/crap.rdf

Table 81: Application Profile IAP

Acronym	IAP
Year	2008
Name	Image Application Profile
Institution Type	Scientific Community
Domain	Other
Sub-Domain	Images
Version	final/work in progress
Singapore	1
Based in	FRBR, dc, mix
New terms	1
Binding	0
Methodology	1
FR	1
DM	1
DSP	1
Usage guidelines	1
Encoding syntax guidelines	1
URL	http://www.ukoln.ac.uk/repositories/digirep/index/The-Images-Application-Profile
URI	n/a

Table 82: Application Profile DCAP2AP

Acronym	DC2AP
Year	2012
Name	Dublin Core Application Profile to Analysis Patterns
Institution Type	Scientific Community
Domain	Other
Sub Domain	Software development
Version	n/d
Singapore	0
Based in	dc, dcterms
New terms	1
Binding	RDF
Methodology	0
FR	0
DM	0
DSP	0
Usage Guidelines	1
Encoding Syntax Guidelines	1
URL	http://www.dpi.ufv.br/projetos/apri/?page_id=193
URI	http://dpi.ufv.br/projetos/apri/dc2ap/elements/DC2APElements.rdf

2.9 Application Profiles not used in the study

In the searches process we selected a total of 83 AP. However, 9 of them were excluded because after being analysed we concluded that they were not suitable for our study. Nevertheless we think that it is interesting to show the information gathered together with the reasons why they were not included in the study (see table 83). These reasons are

- No information on the metadata schemes: There was no information concerning the metadata schemes used to describe the metadata registers of the AP;
- No information: Despite all efforts it was not possible to find consistent information about the AP;
- Lack of elements: No answer to the email sent to the scientific articles' authors;
- Private: The definitions of the AP are not public;
- URL down: The only source of information on the AP was not available;
- Conceptual scheme: It was not in fact an AP since it only presented a conceptual scheme.

The reference to the fact that PA MERLOT is not in public domain was found in Godby (2004) .

The MODDEC AP was referred by Moura et al. (2002) . The TragLor AP is referred by Godby (2004) and described in Cebeci et al. (2008) .

Table 83: Application Profiles selected but not studied

Acronym	Name	URL	Reason
ABCD	Access to Biological Collections Data - Schema	http://wiki.tdwg.org/twiki/bin/view/ABCD/	No information on the metadata element schemes.
GEM	metadata element set for the Gateway to Educational Materials	http://www.thegateway.org/	Lack of information. Contacted through Web site. No answer.
Geospatial DCAP	Geospatial DCAP	n/a	Lack of information
MCPD	FAO/IPGRI Multi-Crop Passport Descriptors	http://genbank.vurv.cz/ewdb/asp/multicrp.htm	No information on the metadata schemes
MERLOT	—	http://www.merlot.org/merlot/index.htm	Closed.
MODDEC	—	n/a	Conceptual Model.
SPATL	Spatial Standards and Norms	http://aims.fao.org/metadata/sets/spatial-standard-and-norms	No information on the metadata element schemes.
The Curriculum On-Line	The Curriculum On-Line	n/a	URL down.
TrAgLor	The Turkish Agricultural Learning Objects	n/a	Lack of information.

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- [Moura et al., 2002] Moura, A., Pereira, G., and Campos, M. (2002). A meta-data approach to manage and organize electronic documents and collections on the web. *Journal of the Brazilian Computer Society*, 8(1):16–31.