

European Media Wrapper Round Table

AXIS

Acquisition, eXchange, Indexation and Structuration based on OAIS





SkemA assists early indexing and industrial production

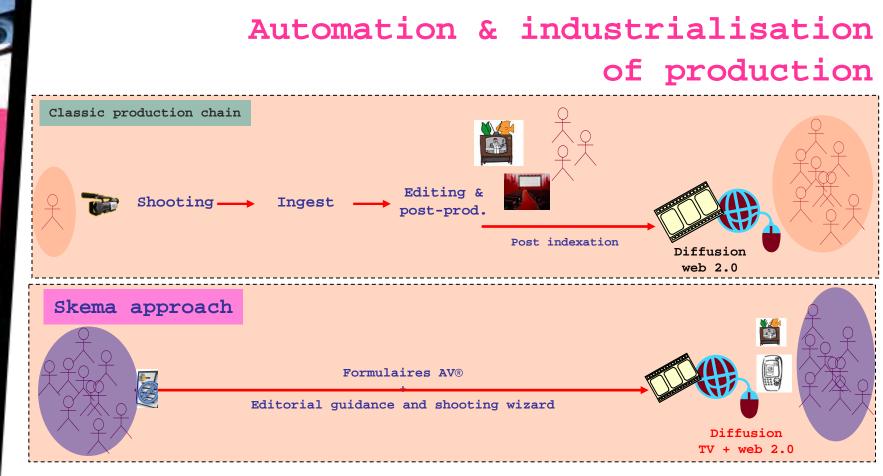


Founded in 2003 after 3 years and €2M of R&D with the UTC, France Telecom and the Institut National de l'Audiovisuel, present in France and Brazil

• 3 patents, many prizes and a continuous programme of innovations

The only offer on the market that covers the whole audiovisual production chain, from design to the broadcasting of content

Leader in self-production, Skema has been chosen by many media companies for their participative TV and UGC video systems



Production of structured and quality audiovisual contents at less cost, in volume and by just-in-time methods

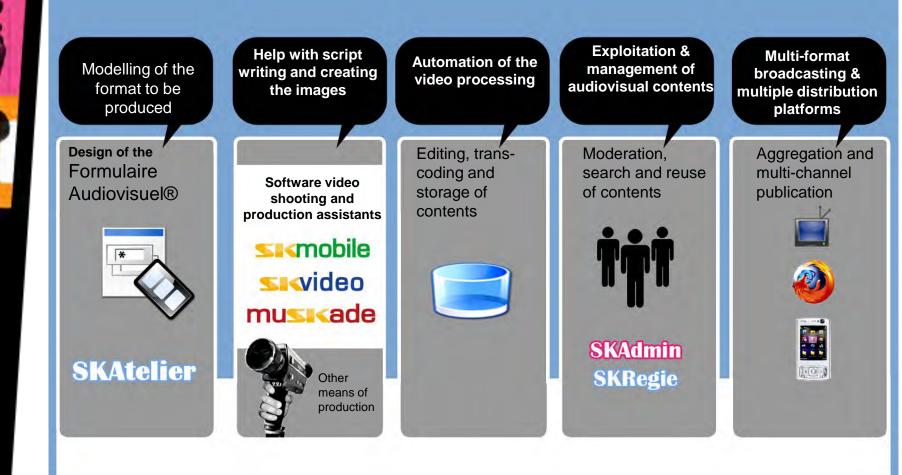
→ **Modelling of production formats**, help with script development and editorial writing (*formulaire audiovisuel*[®])

- → Automation of editing and post-production according to predefined parameters
- ightarrow Rich indexing of contents at source

→ Multi-platform broadcasting for distribution (TV, Web, IPTV, Mobile)



The SkemA platform

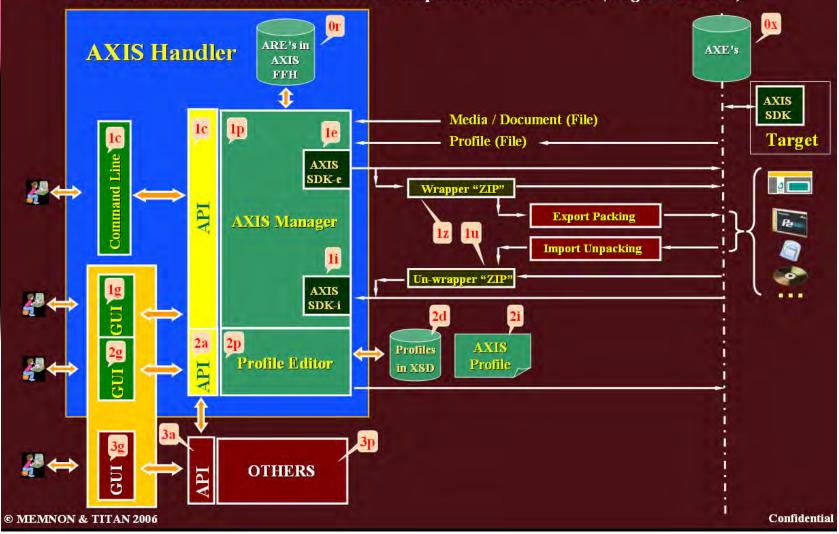




AXIS

(Acquisition, eXchange, Indexation and Structuration based on OAIS) memories

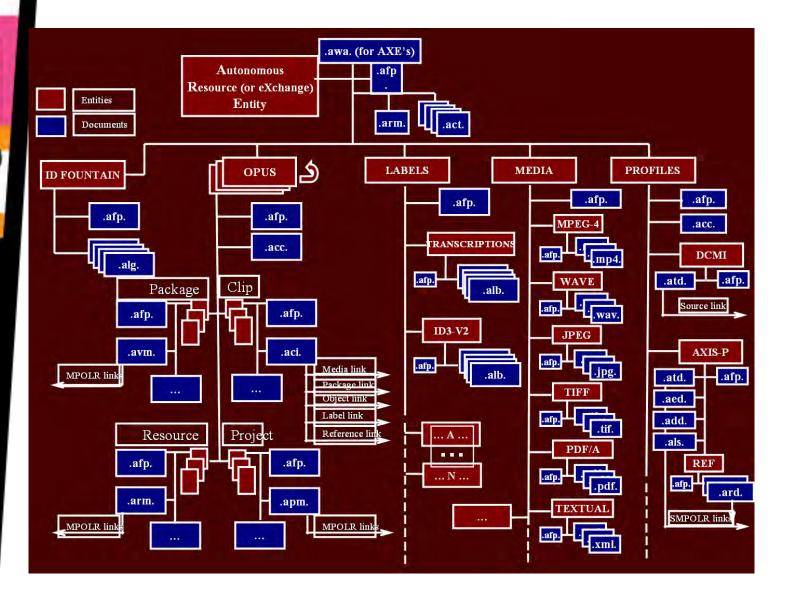
The demonstrator for the X-AXIS compliant ARE / AXE's (target version 1)

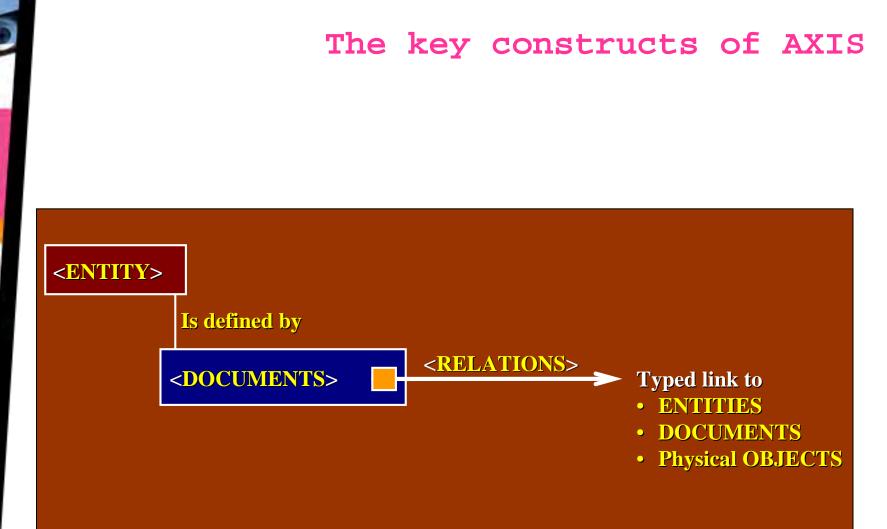




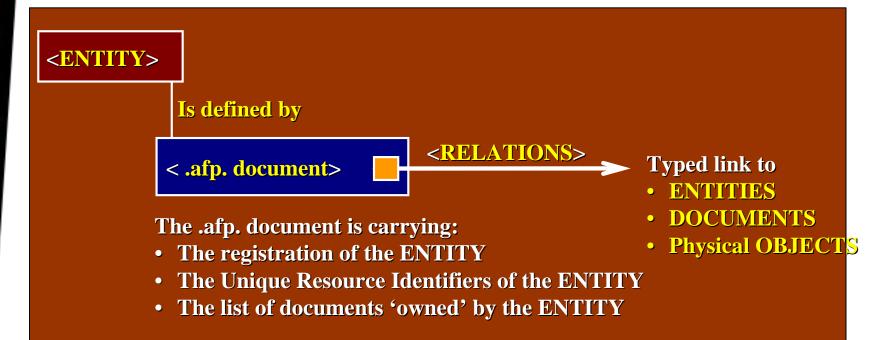
DATA MODEL

Axis Framework

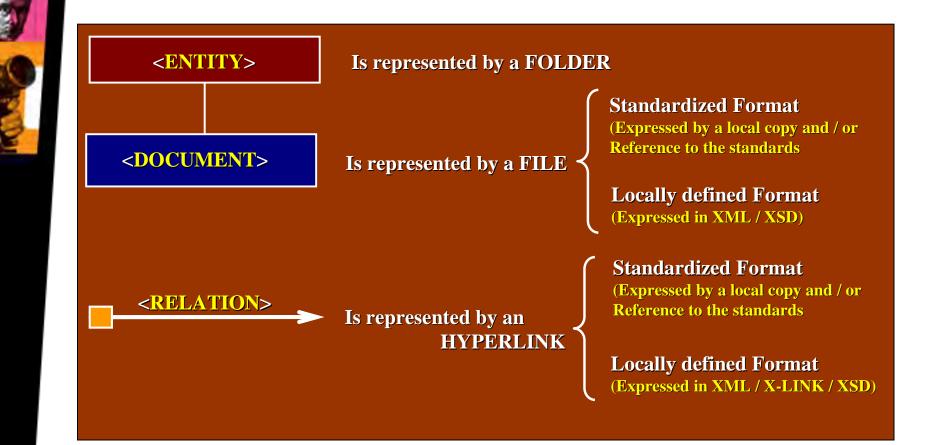




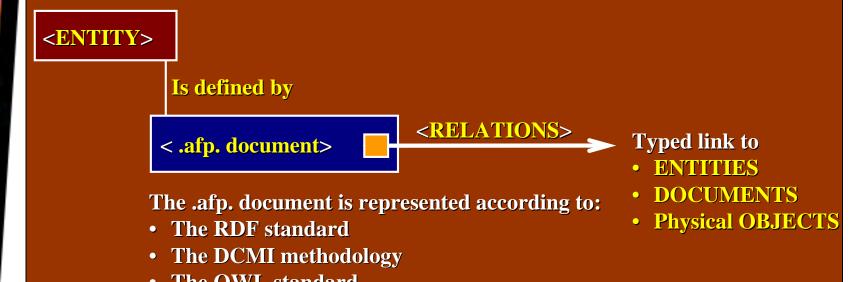
The key constructs of AXIS The AXIS-Foot-Print document



The key constructs of AXIS Their representation in X-AXIS



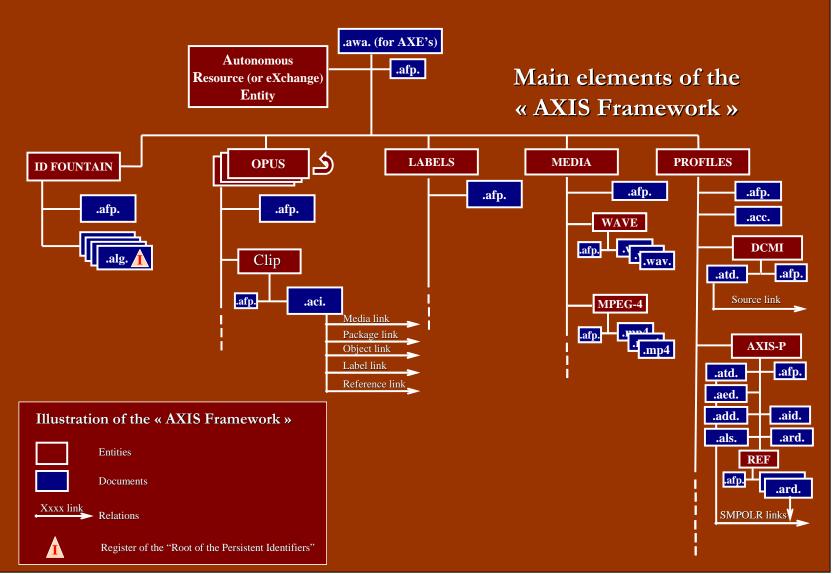
The key constructs of AXIS Their representation in X-AXIS



• The OWL standard

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Framework



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The Profile

ining profiles: (using the DCMI terminology)

Namespace: One specific to the profile or no profile [only reference(s) to existing namespace(s)]

erms

- → Types of terms: A{[Property] + [Value]} pair declares the existence of a [resource]
- → Concepts
- → Elements
- → Entities
- → Sets
- Set of terms A {[Terms] + list of [Values]} pair declares the existence of a [Set]
- Terms in a Name-Space (Data / Control/ Naming)
 - \rightarrow Basic (class of a term)
 - → Refinement (sub-class of a term) the "qualification" of classes defines a 'refinement'
 - \rightarrow Alias
 - Encoding schemes the "qualification" of a scheme defines the 'encoding'
 - \rightarrow Standards
 - → Lists
 - \rightarrow Thesaurus
 - \rightarrow Free text

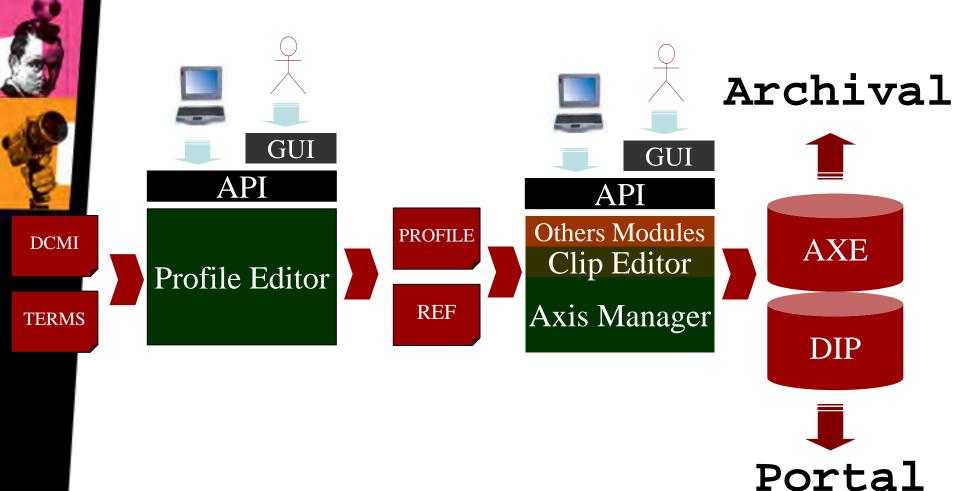
Entities A complex [Resource] defined by a set of [Documents] and one (or no) [Namespace]

Documents

- \rightarrow Defined by "Standards"
- © 2007 | SkemA All rights reserved associated semantic

Usually in a profile, by set terms and rules with its

Axis Handler principle





Profile Editor objective

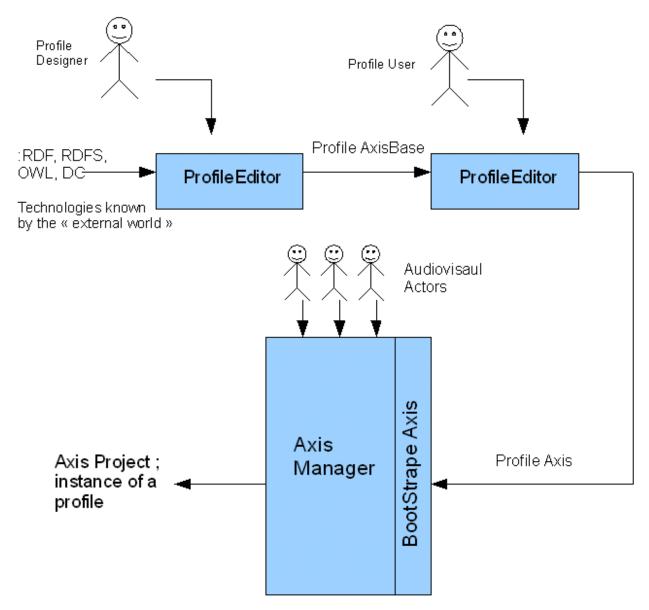
• Create a **backbone** for the Axis Manager

- Define vocabulary
- Define metadata
- Define entities
- Define relation between entities
- Specify semantic refinements on the vocabulary
- Enable open profile
 - Specialization of profile
 - Extension of profile
- Allow context to be associated to content

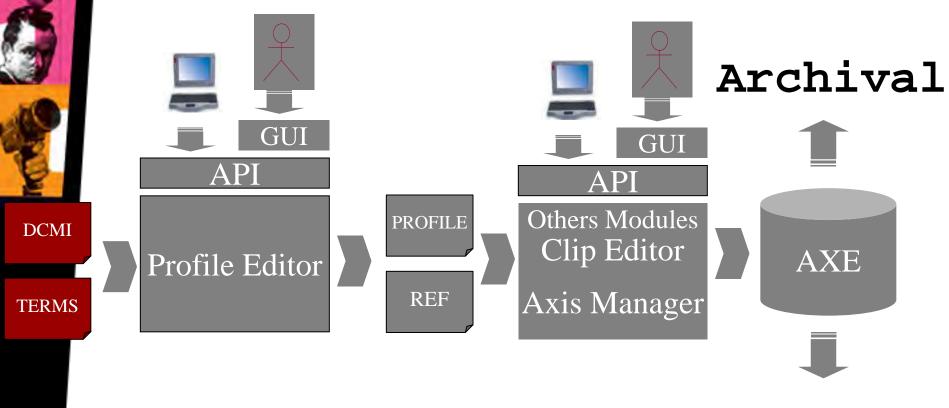
Axis Manager objective

- Axis Manager is the heart of a Audiovisual OAIS
 - Create AAE
 - → Autonomous as self describe content (profile, link , content)
 - → Structural, Semantic and administrative description
 - \rightarrow Define entities
 - \rightarrow Define relation between entities
 - \rightarrow Specify semantic refinements on the vocabulary
 - Create AXE
 - \rightarrow Enable exchange
 - \rightarrow Enable traceability

Profile Editor process flow



Axis Handler principle



Portal

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Dublin Core Metadata Initiative: RDF encapsulate the Dublin Cores

ne 15 'elements' of the Dublin Core

- Title
- Creator (or Author)
- Subject (and Keywords)
- Description
- Publisher
- Contributors (other)
- Date
- Type (The category of the resource)
- Format (The data representation of the resource)
- Identifier
- Source
- Language
- Relation



rrical Term URI NameSpace Label Defined by Type of term Refines Refined by Encoding type Encoding scheme Example of contents Obligation Occurrence Definition date

Natural language

10.

23.

Label H
 Source definition language
 Source definition
 Source comment
 Profile definition
 Profile comment
 Encoding scheme
 Obligation H
 Occurrence H

Contents H

http://purl.org/dc/elements/1.1/date dc date http://www.w3.org/TR/NOTE-datetime Element -Created, Valid, Available, Issued, Modified, ... External Standard http://purl.org/dc/terms/W3CDTF 2006-08-06 OPT

XML / XSD

NR

1999-07-02

English Date + A date associated with an event in the life cycle of the resource YYYY-MM-DD where YYYY represents the ISO Year; MM, the ... Optional Not repeatable unless in refinements < Mapping >

Français

Date

...

Une date associée à un évènement du cycle de vie de la ressource

... AAAA-MM-JJ où AAAA représente l'année AAAA ← السنى ISO ; MM, le ... Optionnel Non répétable si ce n'est en affinage ... < <u>Mapping</u> > ...

العربية الناريخ

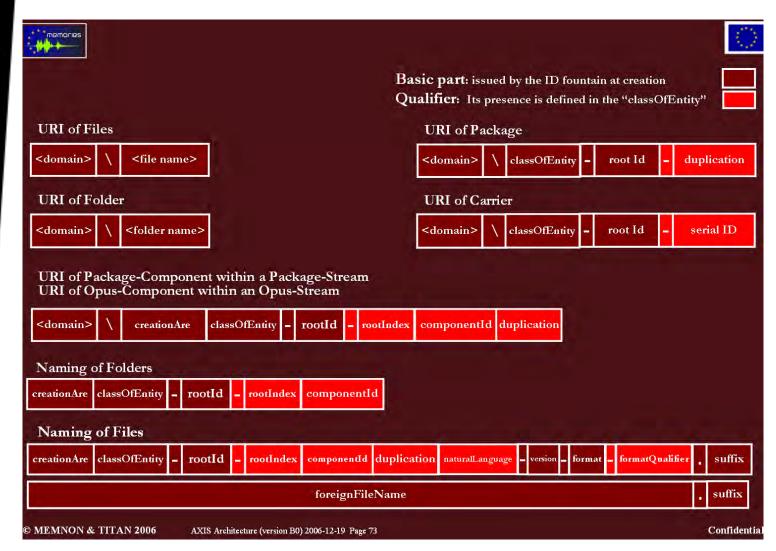
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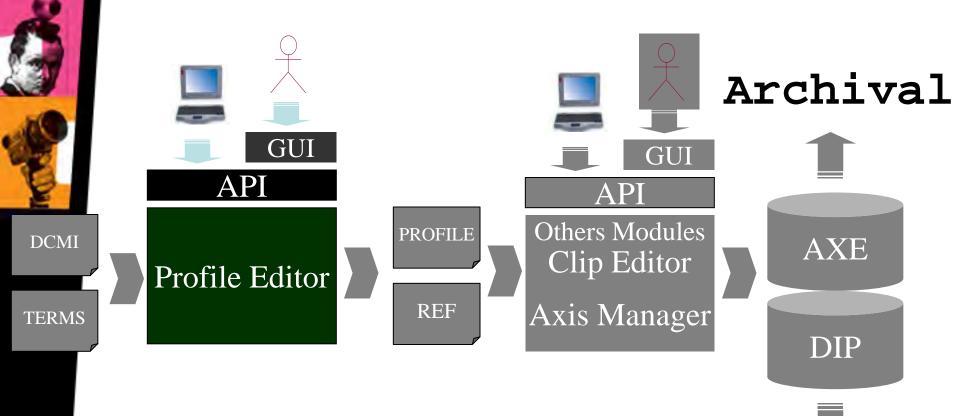
. . .

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Profile Editor: Unique Resource Identifiers



Axis Handler principle



Portal

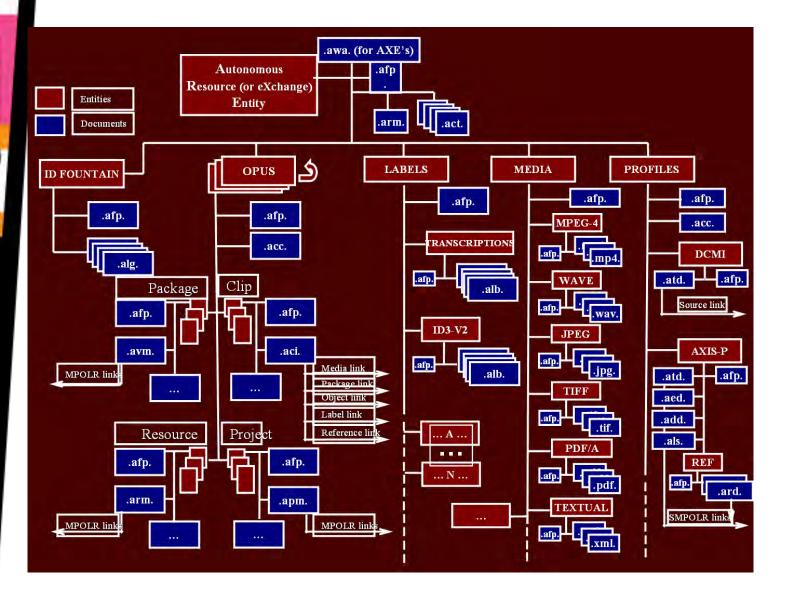
Entities of AXIS Profile

tructure of the "Entities" of the AXIS profile is represented in the "AXIS ramework".

XIS "Entities" are:

ARE	Autonomous Resource Entity (The dynamic resource)
AXE	Autonomous eXchange Entity (The static resource issued from an EXPORT)
ID FOUNTAI	N The resource ensuring uniqueness of identification
OPUS	The bundling entity
CLIP	The key entity for annotations and structuration of the MEDIA
PROJECT	The managing resource for the OPUS
RESOURCE	The resource required for the OPUS
PACKAGE	The embodiment of the OPUS and AXEs
LABELS	The repository of the labels (like associated with clips, segments and
points)	
MEDIA	The repository of the representations of the media contents
PROFILES	The repository of the Profiles (in particular the AXIS profile)
REF .	The repository of the References required for a specific IT tool (such as
'speech to	
TRANSCRIPT	
spoken sou ID3-V2	
	The repository of the labels, expressed in the format ID3-V2
MPEG-4	The repository of the full-media represented in the .mp4 format
WAVE	The repository of the audio-media represented in the .wav format
JPEG	The repository of the pictures represented in the .jpg format
TIFF	The repository of the pictures represented in the .tif format
PDF/A	The repository of the textual documents represented in the ISO 19 0005
format	
TEXTUAL	The repository of the textual documents expressed in the .xml format

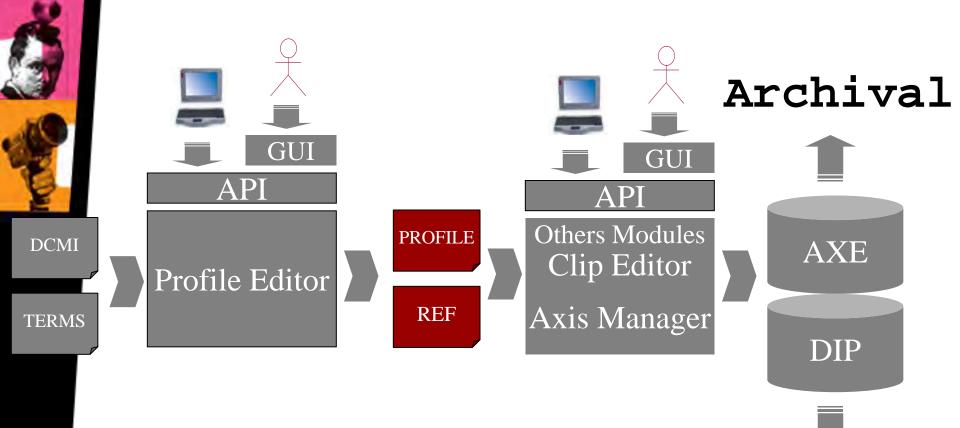
Axis Framework



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Axis Handler principle

Portal



Axis Documents

AXIS "Documents" are:

AXIS Foot Print .afp. Mandatory use for each Entity AXIS Certificate of traceability AXE (Export / Import) .act. and acquisition of Media .alq. Logging of the management of the AXIS LOG IDs AXIS Configuration Control Control of all the .acc. versions of the Entities, Documents and Hyper links of the OPUS and of the **PROFILES** .aci. AXIS Configuration & Indexing The key document for defining the clips and their links .alb. AXIS Label The document giving the annotations attached to a point, a segment or an entity .avm. AXIS Volume Management .arm. AXIS Resource Management AXIS Project Management .apm. .atd. AXIS Terms Definition <Definition> / <Link to a *definition>* AXIS Document type Definition <Definition> / <Link to a .add. definition> AXIS Entity Type Definition <Definition> / .aed. <Link to a definition> .als. AXIS List Set <List of Terms> / <Link to a list of Terms or Thesaurus> <Definition> / <Link to a</pre> .ard. AXIS Reference Data definition> AXIS Wrapped Assembly .awa To be used for the Export and Imports 2007 | SkemA - All rights reserved Wrapped (f.1, ZIPed)

Profile Editor Output

Axis Ferm Definition

	nins	RDF xmlns:axisCap="http://www.skema.fr/axisCap/" xmlns:terms="http://www.skema.fr/terms/" :rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#">	Resource	
	<	rdf:Description rdf:about="http://www.skema.fr/axisCap/rootID">>		
		<terms:naturallanguage></terms:naturallanguage>		
ert	v	<terms:definitiondate></terms:definitiondate>		
_		<terms:exampleofcontents></terms:exampleofcontents> Valu	ie	
		<terms:refines>b.g://burl.org/dc/elements/1.1/identities>/terms:refines></terms:refines>		
		<terms:typeofterm>Element</terms:typeofterm>		
		<terms:definedby></terms:definedby>		
		<terms:label>rootID</terms:label>		
		<terms:namespace>axisCap</terms:namespace>		
		<terms:termuri>http://www.skema.fr/axisCap/rootID</terms:termuri>	TERMS	2
	<	/rdf:Description>		
	<	rdf:Description rdf:about="http://www.skema.fr/axisCap/classOfEntity">		
		<terms:termuri>http://www.skema.fr/axisCap/classOfEntity</terms:termuri>		
		<terms:namespace>axisCap</terms:namespace>		
		<terms:label>classOfEntity</terms:label>		
		<terms:definedby></terms:definedby>		
		<terms:typeofterm>Element</terms:typeofterm>		
		<terms:refines>http://purl.org/dc/elements/1.1.ftype</terms:refines>		
		<terms:exampleofcontents></terms:exampleofcontents>		
		<terms:definitiondate></terms:definitiondate>		
		<terms:naturallanguage></terms:naturallanguage>		
	<	/rdf:Description>		
</td <td></td> <td>RDF></td> <td></td> <td></td>		RDF>		

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Profile Editor Output

Entity Type Definitions

xis

xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"> <rdf:Description rdf:about="http://www.skema.fr/axisCap/entity8"> <axisCaptrootID/> <axisCap:classOfEntity>timeCodeOut</axisCap:classOfEntity> </rdf:Description> <rdf:Description rdf:about="http://www.skema.fr/axisCap/entity1"> <axisCap:classOfEntity>opus</axisCap:classOfEntity> <axisCaptrootID/> </rdf:Description> <rdf:Description rdf:about="http://www.skema.fr/axisCap/entity5"> <axisCap:rootID/> <axisCap:classOfEntity>project</axisCap:classOfEntity> </rdf:Description> <rdf:Description rdf:about="http://www.skema.fr/axisCap/entity3"> <axisCaptrootID/> <axisCap:classOfEntity>clip</axisCap:classOfEntity> </rdf:Description> <rdf:Description rdf:about="http://www.skema.fr/axisCap/entity2"> <axisCaptrootID/> <axisCap:classOfEntity>opusComponent</axisCap:classOfEntity> </rdf:Description> <rdf:Description rdf:about="http://www.skema.fr/axisCap/entity4"> <axisCaptrootID/> <axisCap:classOfEntity>clip</axisCap:classOfEntity> </rdf:Description> </rdf:RDF>

<rdf:RDF xmlns:axisCap="http://www.skema.fr/axisCap/" xmlns:terms="http://www.skema.fr/terms/"



Profile Editor Output

Axis Manager Bootstrap

Jf:RDF xmlns:axisCap="http://www.skema.fr/axisCap/" xmlns:terms="http://www.skema.fr/terms/" xmlns: ilns:rdfs="http://www.w3.org/2000/01/rdf-schema#">

- <rdf:Description rdf:about="http://www.skema.fr/axisCap/segment">
- <rdf:type rdf:resource="http://www.w3.org/1999/02/22-rdf-syntax-ns#Property"/>
- <rdfs:subPropertyOf rdf:resource="http://www.skema.fr/axisCap/Choose you refinement"/> <rdfs:domain rdf:resource="http://www.skema.fr"/> <rdfs:label>segment</rdfs:label>

</rdf:Description>

<rdf:Description rdf:about="http://www.skema.fr/axisCap/Objectlink"> <rdf:type rdf:resource="http://www.w3.org/1999/02/22-rdf-syntax-ns#Property"/> <rdfs:subPropertyOf rdf:resource="http://purl.org/dc/elements/1.1/source"/> <rdfs:domain rdf:resource="http://www.skema.fr/axisCap"/>

<rdfs:label>opusComponent</rdfs:label> </rdf:Description>

- <rdf:Description rdf:about="http://www.skema.fr/axisCap/classOfEntity"> <rdf:type rdf:resource="http://www.w3.org/1999/02/22-rdf-syntax-ns#Property"/> <rdfs:subPropertyOf rdf:resource="http://purl.org/dc/elements/1.1/type"/>
- <rdfs:domain rdf:resource="http://www.skema.fr/axisCap"/> <rdfs:label>classOfEntity</rdfs:label>

</rdf:Description>

- <rdf:Description rdf:about="http://www.skema.fr/axisCap/mediaName"> <rdf:type rdf:resource="http://www.w3.org/1999/02/22-rdf-syntax-ns#Property"/> <rdfs:subPropertyOf rdf:resource="http://purl.org/dc/elements/1.1/title"/> <rdfs:domain rdf:resource="http://www.skema.fr/axisCap"/>
- <rdfs:label>mediaName</rdfs:label>

</rdf:Description>

- <rdf:Description rdf:about="http://www.skema.fr/axisCap/point">
- <rdf:type rdf:resource="http://www.w3.org/1999/02/22-rdf-syntax-ns#Property"/>
- <rdfs:subPropertyOf rdf:resource="http://www.skema.fr/axisCap/Choose you refinement"/> <rdfs:domain rdf:resource="http://www.skema.fr"/>
- <rdfs:label>point</rdfs:label>

</rdf:Description>

- <rdf:Description rdf:about="http://www.skema.fr/axisCap/timeCodeln">
- <rdf:type rdf:resource="http://www.w3.org/1999/02/22-rdf-syntax-ns#Property"/>
- <rdfs:subPropertyOf rdf:resource="http://www.skema.fr/axisCap/Choose you refinement"/> <rdfs:domain rdf:resource="http://www.skema.fr"/>
- <rdfs:label>timeCodeln</rdfs:label>
- </rdf:Description>
- <rdf:Description rdf:about="http://www.skema.fr/axisCap/physicalSupport">
- <rdf:type rdf:resource="http://www.w3.org/1999/02/22-rdf-syntax-ns#Property"/>
- <rdfs:subPropertyOf rdf:resource="http://purl.org/dc/elements/1.1/type"/> <rdfs:domain.rdf:resource="http://www.skema.fr/axisCan"/b
- <rdfs:label>physicalSupport</rdfs:label>
- </rdf:Description>
- <rdf:Description rdf:about="http://www.skema.fr">
- <rdf:type rdf:resource="http://www.w3.org/2002/07/owl#Class"/>
- </rdf:Description>
- <rdf:Description rdf:about="http://www.skema.fr/axisCap">
- <rdf:type rdf:resource="http://www.w3.org/2002/07/owl#Class"/>
- </rdf:Description>
- <rdf:Description rdf:about="http://www.skema.fr/axisCap/project">
- <rdf:type rdf:resource="http://www.w3.org/1999/02/22-rdf-syntax-ns#Property"/>
- <rdfs:subPropertyOf rdf:resource="http://www.skema.fr/axisCap/Choose you refinement"/> <rdfs:domain rdf:resource="http://www.skema.fr"/>
- <rdfs:label>project</rdfs:label>
- </rdf:Description>
- df:RDF>





PROFILE



Axis Profile layers cake

AXIS SEMANTIC LAYER Web Ontology Language

AXIS Entities & Hierarchies RDF Schema

> AXIS TERMS DCMI/RDF

DCMI/TERMS

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Profile Editor Main interface Creating classes

ProfileEditor								
ile Option Profile ?								
CLASSES AND PROPERTIE						PROFILE GRAPH VIEWS		
RELATION CREATION -	IS CREATION					Class Graph view Property Graph view	14	
TECHNICAL		TECHNICAL		TECHNICAL		crass & aburtion [Lipherch grabil view	**	Legend
nameOfTerm		nameOfTerm		nameOfTerm	idfountain			OWL class
termURI		termURI		termURI			(labels)	OWL individual Selected node
typeOfTerm	-	typeOfTerm		typeOfTerm		(at	pus	Neighbour of selected node
termStatus		termStatus		termStatus			subClassOf	Node in search result set Default color
termDateIssued		termDateIssued		termDateIssued			(entity) (idfountain	Hops control
Refines	no refinement 唑	Refines	no refinement 👻	Refines	no refinement 😪		(Constant)	Number of hops: a 🛫
-SPECIFIC PROPERTY DEFINITION				CLASS SPECIFIC DEFINITION			media	
Property Domain	no domain 😪	Property Domain	no domain 👻	equivalentClass	no equivalent 👻		(Thing)	
Property Range	no range 谢							
InverseOf	no inverse 😒	Property Range (XSD ty.	no 💌			http://www.skema.fr/myProfile#0	opus	search >>S
transitive			-	disjointCLass		PRECISE TERMS INFORMATIONS		
symmetric		functionnal			no disjoint 👻	PROPERTY VIEW	View	
functionnal								
inverse functionnal		inverse functionnal						
Create		Create		(Create	-CLASS VIEW		
						entity		
						Infos		

Profile Editor Main interface Creating Properties

ProfileEditor File Option Profile ?	_						
						Record and	
CLASSES AND PROPERT	TIES CREATION					PROFILE GRAPH VIEWS	
-RELATION CREATION -		PROPERTY CREATION		CLASS CREATION		Class Graph view Property Graph view	and service a
nameOfTerm		nameOfTerm	rootID	nameOfTerm			Legend RDFS property
termURI		termURI		termURI			Selected node Neighbour of selected nod
typeOfTerm	-	typeOfTerm		typeOfTerm	100.00		Node in search result set
termStatus		termStatus		termStatus			Hops control Number of hops: a 🗢
termDateIssued		termDateIssued		termDateIssued	1		(rootID)
Refines	no refinement 🐱	Refines	no refinement 👻	Refines	no refinement 👻	PropertyBase	
SPECIFIC PROPERTY D	EFINITION	SPECIFIC PROPERTY	DEFINITION	-CLASS SPECIFIC DEFI	INITION		
Property Domain	no domain 💌	Property Domain	no domain 😽	equivalentClass	no equivalent 👻		
Property Range	no range 💌	Property Range (XSD)	int 💌				search >>
transitive				disjointCLass	ne disjoint 😽	PRECISE TERMS INFORMATIONS	Precise Graph view
symmetric		functionnal				rootID 🛩	
functionnal		inverse functionnal	V				-
inverse functionnal							entity
	Create	L	Create	L	Create	CLASS VIEW entity Y View	domain
							rootiD
							range
						Infos	(integer
						Name rootID URI	
						Type DateIssued	http://www.skema.fr/myProfile#rootID

Profile Editor Main interface Defining relations

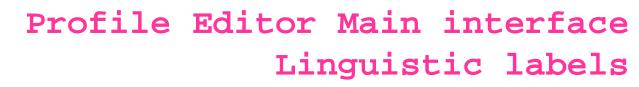
ProfileEditor							
le Option Profile ?							
LASSES AND PROPER	TIES CREATION					PROFILE GRAPH VIEWS	
RELATION CREATION		CLASS CREATION		Class Graph view Property Graph view			
TECHNICAL		TECHNICAL		TECHNICAL			Legend
nameOfTerm	isBiggerThan	nameOfTerm		nameOfTerm	entityEx		RDFS property
termURI		termURI		termURI			Selected node Neighbour of selected nod
typeOfTerm		typeOfTerm	·	typeOfTerm	1		Node in search result set
termStatus		termStatus		termStatus		BiggerThan	Hops control Number of hops: 4 🗘
termDateIssued		termDateIssued		termDateIssued			
Refines	no refinement 唑	Refines	no refinement 👻	Refines	no refinement 😪	PropertyBase	
						Fropertybase	
SPECIFIC PROPERTY DEFINITION		SPECIFIC PROPERTY DEFINITION		CLASS SPECIFIC DEFINITION equivalentClass			
Property Domain		Property Domain			no equivalent	rootID	
Property Range	no range 👻		int 💌				
InverseOf	no inverse 💌	Property Range (XSD ty					search >>
transitive				disjointCLass	no disjoint 😽	PRECISE TERMS INFORMATIONS PROPERTY VIEW Precise Graph	1 view
symmetric		functionnal				isBiggerThan 🗸 View	
functionnal							
inverse functionnal		inverse functionnal					
	Create	Crea	ite	C	Create	CLASS VIEW	
						entity view (entity	/Ex
							domain (isBiggerThan) range
							range
						Infos	entity
						Infos Name isBiggerThan	
						URI	

Profile Editor Main interface Defining relations

File Option Profile ?						
CLASSES AND PROPER	TIES CREATION					I PROFILE GRAPH VIEWS
RELATION CREATION	-	PROPERTY CREATION		CLASS CREATION		Class Graph view Property Graph view
-TECHNICAL nameOfTerm	isSmallerThan	-TECHNICAL nameOfTerm		TECHNICAL nameOfTerm	entityEx	Legend RDFS property
termURI		termURI		termURI		(isBiggerThan) Selected node Neighbour of selected node
typeOfTerm	-	typeOfTerm		typeOfTerm		Node in search result set
termStatus		termStatus		termStatus		Hops control Number of hops: a the
termDateIssued		termDateIssued		termDateIssued		(isSmallerThan)
Refines	no refinement 🐱	Refines	no refinement 👻	Refines	no refinement 😪	PropertyBase
SPECIFIC PROPERTY I	DEFINITION	SPECIFIC PROPERTY I	DEFINITION	CLASS SPECIFIC DEF	INTION	
Property Domain	no domain 👻	Property Domain	no domain 😽	equivalentClass	no equivalent 💙	
Property Range	no range 👻					
InverseOf	no inverse 💌	Property Range (XSD t	ý			search >> 8
transitive				disjointCLass	no disjoint 😽	PRECISE TERMS INFORMATIONS PROPERTY VIEW Precise Graph view
symmetric		functionnal				isSmallerThan 🗹 View
functionnal						
inverse functionnal		inverse functionnal				
E	Create	C	Create	[Create	CLASS VEW entity
						domain isSmallerThan range
						Infos
						Infos Name isSmallerThan
						URI
						Type DateIssued http://www.skema.fr/myProfile#IsSmallerThan

... and its inverse property. Domain and range display are switched.

Profile Edit



We can add linguistic informations...

ProfileEditor File Option Profile ?			
CLASSES AND PROPERTIES CREATION		PROFILE GRAPH VIEWS	
LANGUAGE SPECIFIC termToModify Natural Language termLabel	sBiggerThan 💽	entity media	Legend OWL class OWL individual Selected node Neighbour of selected no Node in search result set
termDefinition	Designe le fait d'être plus grand que		Default color Hops control Number of hops:
		PRECISE TERMS INFORMATIONS PROPERTY VIEW IsSmallerThan	search >>
			isSmallerThan
		Infos Infos Name isSmallerThan URI Type Datelssued	(entityEx

Profile Editor Main interface Persistent document

OWL file to wrapp the profile

<pre></pre>	Fichier	Édition A	fichage	Historique	Marque-pages	<u>O</u> utils <u>?</u>		
<pre>Hotmal Personnalser les les [Windows Media] Windows Win</pre>	4							
<pre>crdf:RDF xmlns:ddterms="http://purl.org/dc/terms/" xmlns:rdfs="http://www.s3.org/2000/01/rdf=chema#" xmlns:rdfs="http://www.s3.org/2002/07/vul#" xmlns:rdfs="http://www.s3.org/2002/07/vul#" xmlns:rdfs="http://www.skema.fr/myProfile#" xmlns:rdfs="http://www.skema.fr/myProfile#" xmlns:rdfs="http://www.skema.fr/myProfile#" xmlns:rdfs="http://www.skema.fr/myProfile#" xmlns:rdfs="http://www.skema.fr/myProfile#" xmlns:rdfs="http://www.skema.fr/myProfile#entity"> </pre>			, 🔊		file:///C:/Program%	%20Files/memnor	n/profileEditor/myProfile.owl	
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Profile Editor Main interface Persistent document

And each class and property created has its persistent document

Fichier Édition Affichage Historique Marque-pages Outils ?	
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Profile Editor Main interface Persistent document

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;	mlns:dcterms="http://purl.org/dc/terms/"
	mlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
	mlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
	mlns:owl="http://www.w3.org/2002/07/owl#"
;	mlns:myProfile="http://www.skema.fr/myProfile#"
;	mlns:daml="http://www.daml.org/2001/03/daml+oil#"
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And verify it in the persistent document.

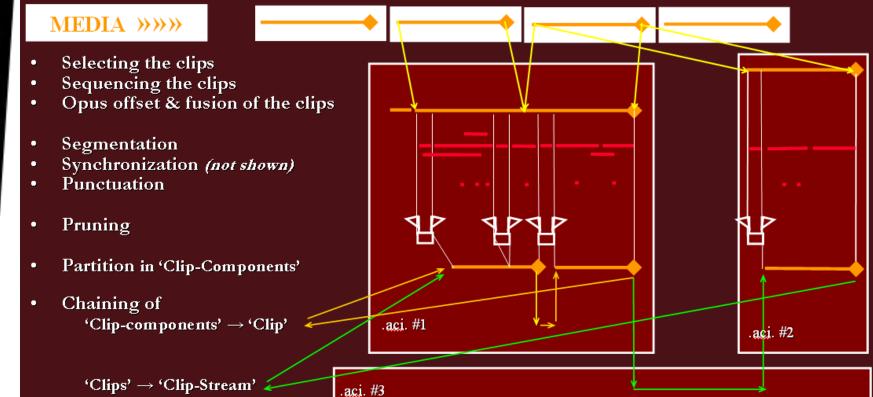
Axis Documents

The	AXIS "Documents	″are:	
	.afp.	AXIS ^F PEOE ⁱ Print	Mandatory for each
	.act.	AXIS Certificate of traceability	AXE (Export / Import)
	:afs: management of the IDs	AXIS Coctificate of traceability	A&GgifapofttheImport) and acquisition of Media
	:add: management of the IDs	AXIS 009figuration Control	වුමත්ත්වී ම£් කි⊉ී the versions of the
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	.avm.	AXIS Volume Management	annotations attached to
	.arm.	AXIS Resource Management	a point, a segment or an entity
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•	.awa	AXIS Wrapped Assembly	To be used for the
© 2007	SkemA – All rights reserved	tatran	Export and Imports



Clip & Axis Configuration and Indexing

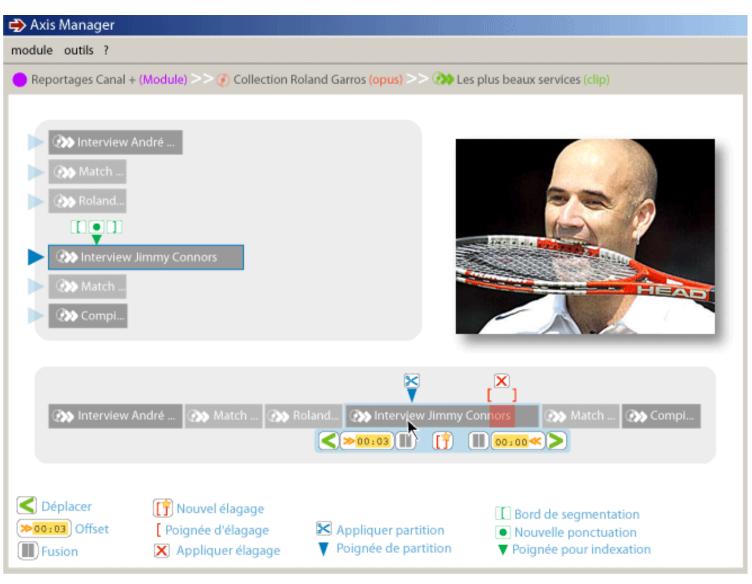
« Axis Configuration & Indexing » for the audio and/or video streams



Labeling of 'Clip-Stream', 'Clip', 'Clip-Component', 'Segment', 'Point.



Clip & Axis Configuration and Indexing

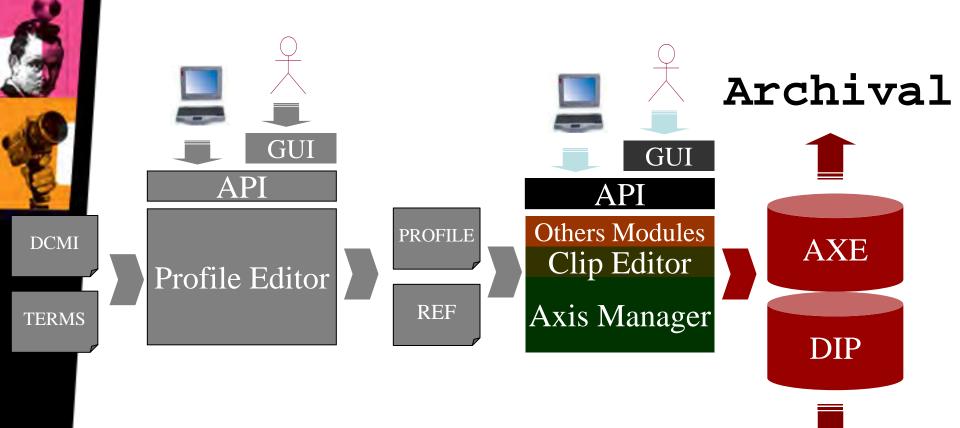




DEMONSTRATION

Axis Handler principle

Portal





AXIS Manager principle

• Associate profile to content

- AIP, SIP, DIP wrap both content and profile
- Create, save, handle content according to its profile
- Enable Knowledge layer rendering
 - Semantic, logic and structural segmentation of content
 - Enable semantics links between AAE



The end

module outils ?

Reportages Canal + (Module) >> 🕐 Collection Roland Garros (opus)

Clip

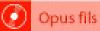


Toutes les balles de matchs
 Les plus beaux services
 Prises de tête avec l'arbitre
 Finale de l'édition 2000

46 Go occupés 87% de clips validés *Titre* : Les plus beaux services *Profil* : axis core *Résume* : Reportage sur les services légendaires dans tous les tournois de Roland Garros de 1974 à 2005 *Statistiques* : 18 segments et 44 points









Axis Manager module outils ? Reportages Canal + (Module) >> ? Collection Roland Garros (opus) Project 45 % des taches engagées 65 % d'avancement Editer le formulaire processus Editer le planning Titre : planning de tournage du reportage sur les plus beaux services de Roland Garros Profil : axis core Résume : Planning de gestion de projet des plus beaux services de Roland Garros

N°.		Nom de la tâche		Nov 05 D	éc 05	Jan 06	Fév 06	Mar 06	Avr 06
	0		24	31 07 14 21 28	05 12 19 26	02 09 16 23	30 06	13 20 27 06 13	3 20 27 03 1
1		AXIS PROFILE		Sector					27%
2	۰.	Finalisation du schema AXIS		••••••		26%			
3		Schema statique AXIS				▲12/01			
4		Spécifications fonctionnelles				allegite free	50%		8
5		Spécifications techniques					50%		
6		Conférence ACE/TITAN		14/11					
7	%	Spécifications dynamiques (API)					4 01/0	2	
8	-	Démonstateur RIMES				2	9%		
9		Architecture Axis manager core					I	i 70%	
10		Implémentation							0%

Clip

module outils ?

Reportages Canal + (Module) >> (I) Collection Roland Garros (opus)

Package



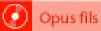
Toutes les balles de matchs 3
 Les plus beaux services 3

🕐 Prises de tête avec l'arbitre 🍐

Finale de l'édition 2000

3 packages importés 1 package défini pour l'export *Titre* : Les plus beaux services *Profil* : axis core *Résume* : package dvd pour la distribution commerciale du sujet « Les plus beaux services de Roland Garros »











module outils ?

Reportages Canal + (Module) >> (Collection Roland Garros (opus)

Package



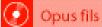
🕐 Prises de tête avec l'arbitre 🍐

🕐 Finale de l'édition 2000

3 packages importés 1 package défini pour l'export Titre : Prises de tête avec l'arbitre Profil : axis core Résume : 52 minues pour diffusion antenne de « Les plus grosses prises de tête avec l'arbitre de l'histoire du tennis »



80











module outils ?

Reportages Canal + (Module) >> (7) Collection Roland Garros (opus)

🔥 Resource

х

X



Cameraman badge 4767
 Cameraman badge 2865
 Producteur badge 2424
 Documentaliste badge 123
 Documentaliste badge 5985
 Panasonic P2 badge 34
 PD150 sony badge 545
 Betacam badge 980

Au 24 03 2006 taux d'occupation des ressources humaines : 87%

30% des ressources matérielles non vérouillées Titre : Cameraman Badge 4767 Profil : axis core Résume : Jean-Pierre Courot, spécialiste steadycam et sport Statistiques : mobilisé sur 8 projets

