



Webinar on CPSV-AP

intercerable europe

innovation ∞ govtech ∞ community



Workshop practicalities



Introduction

SEMIC Focus Areas





SEMIC specifications





Objectives of CPSV-AP



CPSV-AP is a model for describing public services related to business and life events, to facilitate the set-up of catalogues of services oriented to businesses and citizens.

CPSV-AP use cases:



finding information of generic and specialised public services



the execution of a public service, i.e.; when a public service is performed and produces a physical object



facilitating the access to public service information



managing portfolios of public services



building user-centric catalogues of public services at all levels from regional to a European federated catalogue



CPSV-AP update



CPSV-AP 3.2.0



The following changes were applied from version 3.1.1 to version 3.2.0:

- The ReSpec Styling was applied to CPSV-AP v3.2.0 specification.
- Changes in classes, relationships, and properties were made to comply with authoritative sources, provide additional clarification, and move properties to different classes.
- Updates were made to the introduction and usage notes of the specification to explicitly add the "execution" use case, update the language definition, and make certain usage notes more generic.

The full changelog can be found on <u>GitHub</u>.

The specification can be found under: <u>https://semiceu.github.io/CPSV-AP/releases/3.2.0/</u>

Survey on the adoption of CPSV-AP

Survey results

Questions

- 1. Do you currently use CPSV-AP?
 - What is the current status/level of implementation?
 - Which version are you using?
 - Have you extended the version of CPSV-AP as provided by SEMIC?
- 2. Did you consider using CPSV-AP?
- 3. What barriers do you face for adopting/implementing CPSV-AP, which constraints are holding you back?
- 4. Are you currently using tools to describe and publish public services?
 - Which tools do you use and for what purpose?
- 5. Are you using other SEMIC specification in the context of describing public services (next to CPSV-AP)?
- 6. Would you be interested in receiving support from SEMIC on using and implementing CPSV-AP in your Catalogue of Services (CoS)?
- 7. How can SEMIC best support the development of your organisation's Catalogue of Services in the future?

Result overview

In total **11 responses** from NO, PT, GR, NL, CH, MT, DK and ES.





Click here for a link to the survey

The Finnish Service Catalogue



Suomi.fi Finnish Service Catalogue

20.6.2024

Finnish Digital Agency

Business Owner, Chief Specialist Terhi Tuokkola

Chief Specialist Marko Latvanen

The Suomi.fi Finnish Service Catalogue

- The Suomi.fi Finnish Service Catalogue (FSC) is a national centralised data repository in which organisations describe their services and service channels in a customer-oriented manner.
- The Act on Central Government's Joint e-Service Support Services (571/2016) obligates public administration organisations to describe their services in the FSC.
 - municipalities
 - wellbeing regions (public health care services)
 - central government
- FSC contains open data: it can be accessed across a public API.
 - Organisations can utilize data for their online services.
- More information about Finnish Service Catalogue

E Concept of the Finnish Service Catalogue



PTV = FSC



FSC key figures

- 26 500 services
- 63 700 service channels

- 1500 organisations
- 7800 users (public service officials) that update the data

- 358 million API requests in a year
- 139 web services that use data

- FSC is based on Core Public Service Vocabulary Application Profile (CPSV-AP) with some modifications.
- FSC's data model was created in 2015–2016
 - At first (in 2014-2015), data model was attempted in cooperation with the city of Helsinki, but the Helsinki's model was strongly based on service locations and a strict hierarchy.
 - FSC has a modular model, not a hierarchical one > this attempt didn't succeed.
- When CPSV-AP's version 2 was made, Finland was asked to participate.
 - > So FSC's data model has also had an impact on CPSV-AP.
- FSC's data model

- There are no big differences with FSC and CPSV-AP, but in FSC we haven't used all the parts of CPSV-AP.
 - Basic parts are quite similar: services, channels
 - FSC contains only services, not events = temporary real-world events such as campaigns, cultural events, etc.
- FSC has parts that are not in CPSV-AP
 - general descriptions (text template) for services that every municipality and wellbeing region offers
 - accessibility information = physical accessibility in service locations
 - service collection

FSC and CPSV-AP: challenges

- CPSV-AP was only in its initial stage and the FSC model had already been under development for longer.
- In FSC, more of the end user's point of view has been included. In CPSV-AP EU-level Interoperability is the focus.
- Making changes to FSC's data model is challenging because so many organisations use FSC's data, and it would be a big job (and expensive) for them if we made big changes to the data model.
 - FSC's data model has remained the same in recent years: the goal is not to make major changes to it.

Interoperability

- FSC promotes interoperability in a broad sense:
 - uniform model for describing services: structure, data elements, metadata
 - all public administration service data in one place
- FSC uses the Finnish interoperability platform:
 - Code lists FSC uses
 - FSC's data model
 - <u>Finnish Service Catalogue Glossary</u>

Examples: How FSC data is used in different webservices

- Over 66 municipalities use FSC's data in their websites.
 - Example: City of Tampere, tampere.fi
- Public health care services (wellbeing regions): 17/21 organisations use FSC's data in their websites.
 - Example: wellbeing region of Central Uusimaa, keusote.fi



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Example: Suomi.fi's Permitswizard

- Suomi.fi is a public web service that brings together all the data from FSC.
- FSC's data helps to answer requirements that come from The SDG regulation, Services Directive and Professional Qualifications Directive.
- For example, in Permitswizard a starting entrepreneur can find out what permits are needed.
- The wizard uses the FSC data: the user receives direct links and phone numbers to use the service, but the actual service use takes place in the authorities' own services.

Suomi.fi Search in S	Suomi.fi Q In English (EN) ~	-뒨 Identification MENU	
Home Information and services ~	Messages e-Authorizations Your data	Instructions and support	
Home > Companies and organisations > Permits Permits			
Stages Find out your company's permits Industry Area Results	Stage 1/4 Find out your company's permits Are you about to launch business activities or a new project? Tell us activities and we will help you find out what permits you need. Does your company have any employees? Yes No Does your company import or export any raw materials, goods or Yes	Stage 4/4 Results Click the name of the permit to see more detailed inf responsible for the permits that the permits are suffit You should also check that you or your employees had Industry: Cafés and coffee bars Area: Oulu If you don't find all required permits on your mun muncipal permits. There you will find general info from your company's muncipality.	ormation about it. Verify from the authorities :ient for your operations. .ve the required professional qualifications. cipal permits, check the basic information on rrmation from permits which you have to apply
	○ No	Restaurants and accommodation Cafés and coffee bars	Open all
		Permits applied from agencies Professional qualifications	2 pcs 🗸
		Municipal permits: Oulu	1 pcs 🗸
		Basic information on municipal permits	2 pcs 🗸
		Other permits	Open all
		Employer's permits	9 pcs 💙



- Because FSC's data is used in many web services, it sets requirements for data quality.
- Tools that help users to create quality data:
 - Text checking tool that gives correction suggestions for spelling mistakes, grammar mistakes and text that do not follow data model.
 - Automatic email notifications once a month, so that users remember to update the data.
 - General descriptions about those services that every municipalities and public health care services (wellbeing regions) offer.
 - Reports about data's quantity and quality.



Thank you!

Business Owner, Chief Specialist Terhi Tuokkola, <u>terhi.tuokkola@dvv.fi</u> Chief Specialist Marko Latvanen, <u>marko.latvanen@dvv.fi</u> Finnish Digital Agency MITOS: the Greek National Registry of Procedures





The Greek National Registry of Procedures Iraklis Varlamis^{1,2}

¹Directorate of Digital Transformation and Digital Competencies, GRNET S.A. – National Infrastructures for Research and Technology, Ministry of Digital Governance ²Harokopio University of Athens (HUA), Athens, Greece varlamis@admin.grnet.gr





A holistic approach to Public Services, Procedures and Life Events







Work plan





National Registry of Public Procedures mitos.gov.gr

Register

National Framework for Simplification of Procedures

National Procedure Portals gov.gr/eugo.gov.gr











The (EU) citizen journey









Search Life and travel v Doing business v Contact assistance services Report an obstacle

Questions on your rights in the EU? Or your obligations?

Your Europe guides you to the most relevant EU and national websites. Browse our pages for <u>citizens</u> and <u>businesses</u>, or try our **search form**:

Are you a citizen/consumer or a business? *



What country are you interested in? *
What topic are you interested in? *
What specific information are you looking for? *
Education systems in other EU countries
Volunteering in another EU country
Traineeships in another EU country

Citizen/consumer

Greece

Education or traineeship in another EU country

EN English

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Legislation

Categories Show Procedure

Steps

National **Registry of** Administrative **Public Services**

Search National Registry of Administrative Publ Q EL

Print

Receive Notifications

Login 刘

Feedback

EN



Recognition of third-cycle foreign academic degrees (doctorate) 814359



At a Glance	At a glance				
Basic information	Points of service		Digital provision	points	
Application	Directorate for Academic Recognitic	Directorate for Academic Recognition, HELLENIC		National Single Digital Gateway – gov.gr Access via	
What you will need	CENTER (HELLENIC N.A.R.I.C.)	NATIONAL RECOGNITION AND INFORMATION CENTER (HELLENIC N.A.R.I.C.)			
Requirements	Number of required documents	Fees		Deadline of completion	
Fees	4 to 13	133.12 €		3 months	
Related	Description				
Output	The procedure concerns the recogni	ition of foreign aca	demic degrees of thir	d-cycle education. The interested	
Steps	parties submit their applications ele	ctronically using th	e platform: https://e-	doatap.doatap.gr. Following the ent	
Other information	into the platform, interested parties	may apply for the	necessary supporting ition procedure is add	documents and be informed of the leased to PhD holders of foreign	

evolution and history of their applications. The recognition procedure is addressed to PhD holders of foreign academic institutions and consists of the equivalence of qualifications in relation to the doctoral degrees awarded by Greek higher educational institutions.

Basic information

Competent body

MINISTRY OF EDUCATION, SPORTS AND RELIGIOUS AFFAIRS

Related links

Forms and instructions

Authority responsible for the provision of the procedure

HELLENIC NATIONAL RECOGNITION AND INFORMATION CENTER (HELLENIC N.A.R.I.C.)

Provided to

Service / organizational unit of a authority entity

Directorate for Academic Recognition

Related links



Citizens



🕕 govgr

500.000+ CONVERSATIONS mAigov The digital assistant for **gov.gr** \checkmark ō BETA

Home > Education > Recognition of academic qualification > Recognise your academic degree

<

Recognise your academic degree

You can apply online for the recognition of your degree (basic degree, master's or doctorate).

You will need:

- your personal Taxisnet credentials, if you are a Greek citizen
- a valid passport or residence permit, if you are a foreigner

Then you can:

- submit supporting documents
- be informed by e-mail about the progress of your application
- view your application history



Service Information

Last updated:	Tuesday 01 August, 2023
Competent authority:	Hellenic National Academic Recognition and Information Center
Created and maintained by:	Hellenic National Academic Recognition and Information Center

Search here ...

Useful links

Contact

> Instructions and forms



description of the process.

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How all this has been achieved?





The governance model

- <u>Project Supervisors</u>: *Prioritize tasks and activities*
- <u>Administrative Officer</u>: *Resolves high-level issues (including regulatory, legislative issues)*
- <u>Executive Officer</u>: *Select the Admins*
- <u>Administrators</u>: Define and supervise the editors, Compile the catalog of procedures , Finalize changes/updates
- <u>Editor</u>: *Register and update a small number* of procedures
- <u>Special Editors</u>: Quickly register procedures





The collaborative platform - MediaWiki

- MediaWiki is the platform used by Wikipedia.
- It is open source, it supports version and update control
- It is written in PHP so any extensions/customizations have to be in PHP
- For supporting the non techexpert editors we use the Page Forms extension of MediaWiki
- For querying the data within MediaWiki, we use the Semantic MediaWiki extension

Επεξεργασία Διαδικασίας: ΔΔ:Δήλωση Προσωρινής και Περιστασιακής Παροχής Υπηρεσιών του Επαγγέλματος Τεχνολόγου Ακτινοβολίας Ακτινοθεραπείας

Γενικές Πληροφορίες	Καταχωρήστε τις βασ	πκές πληροφορίες της διαδικασίας. Οι διάφοροι εναλλακτικοί τίτλοι που	
Κατηγορίες	συμπληρώνετε βοηθο είτε τον εκτιμώμενο χ	ούν στην αναζήτηση από τον πολίτη. Συμπληρώστε είτε την προθεσμία υλοποίησης (ρόνο (όταν δεν προβλέπει ο νόμος προθεσμία υλοποίησης). Δείτε στο howto την	
Έννομα μέσα	αντιστοιχη ενστητά.		
Ειδικά πεδία	*Επίσημος Τίτλος: 🥹	Δήλωση Προσωρινής και Περιστασιακής Παροχής Υπηρεσιών του Επαγγέλματος Τε	יאי
NACE	Τίτλοι:		
SDG			11
Προϋποθέσεις	*Περιγραφή: 🥹	Η διαδικασία αφορά στην δήλωση προσωρινής και περιστασιακής παροχής υπηρεσιών του επαγγέλματος τεχνολόγου ακτινοβολίας ακτινοθεραπείας.	
Παράβολα-Τέλη			
Δικαιολογητικά	Ο αρμόδιος		_//
Νομοθεσία	φορέας είναι 🕜 ιδιωτικός:		
Βήματα	Αρμόδιος ιδιωτικός φορέας:		~





The advantages of MediaWiki and PageForms

MediaWiki

- A procedure can be changed as many times as we want, before it gets published
- At any moment we can get back to a previous version of a procedure
- We can change the status of a procedure (edited, published, revised etc) and this affects its visibility

PageForms

- Certain fields use vocabularies instead of free text⇒ fewer typos and controlled values
- Validation rules are applied to certain fields (consistency)
- We can run software bots that correct or homogenise values in a bulk wave

arnet



MediaWiki - For rendering the MediaWiki content, we employ custom CSS

Declaration of Temporary and Occasional Provision of Services of Mechanical 435858 **Engineer and Aircraft Builder Engineer**

🔄 Προβολή στα Ελληνικά	At a Glance			
At a Glance	Points of Service		Digital Provision Points	
Basic Information	Reported Body, Points of Single Contact (KEII – EKE), Digital Portals Directorate of Professional Activities Locally Competent Department of T.C.G Technical Chamber of Greece		Points of Single Contact - EUGO portal TCG - MyTEE portal	
Documents				
Requirements				
Fees	- MINISTRY OF INFRASTRUCTURE AND TRANSPORTATION			
Legislation	Number of Denvired Denvirente - Free			Deadline of completion
Steps	Number of Required Documents Fees 11 76.00 €			2 Months
Output	Description	Description		
Other Information	The procedure concerns the granting	The procedure concerns the granting of a license to practice the profession of Mechanical Engineer and		
Related	Aircraft Builder Engineer based on Directive 2005/36 / EC. (Issuance of a license to practice a profession based on Directive 2005/36 / EC)			
Categories				
Show Procedure	Basic Information			
Manual	Related Links			

🕒 Προβολή στα Ελληνικά	Output & Results			
At a Glance Basic Information	Output Administrative Act, Registry update	Usage Supporting document		
Documents Requirements Fees Legislation	Other Information Official Title Declaration of Temporary and Occasional Provision of Services of Mechanical Engineer and Aircraft Builder Engineer			
Steps Output Other Information Related	Authorities/Public bodies responsible for the procedure < TECHNICAL CHAMBER OF GREECE Languages supporte English	Deadline of Implementation 2 Months Ways of provision Cross-border		
Categories Show Procedure Manual	Related NACE • 71.1 Architectural and engineering activities and related technical consultancy			
	Categories Type Outgoing Type of procedure Permits	Provided to Citizens Trigger Applied for		





The data quality control

- Mitos interoperates with several external registries to retrieve values for:
 - Organizations (National registry of public organizations apografi.gov.gr)
 - Fees (National registry of state fees)
 - Life-events (Vocabulary from gov.gr)
- Mitos maintains several side registries for:
 - Evidences
 - Service delivery points
 - Third party registries
 - Procedure steps
- We have developed a set of scripts that run on the background to check for errors and inconsistencies





The adoption of CPSV-AP by Mitos





Mitos contents

- More than 3400 published procedures in Greek, more than 500 procedures in English
- Around 500 procedures before (as is) and after (to be) simplification
- For each procedure:
 - Information on the input, output, costs, points of service, legislation etc. 0 following the CPSV-AP standard
 - Information about the execution steps, and a visualisation of the procedure 0 in BPMN 2.0 (auto-generated) format



Procedures that any interested person may seek in the Registry based on type or on life events.



Procedures, that are at the initial stage of registration by the competent authorities.









At an abstraction level







How we describe the procedure steps

Using Business Process Model and Notation (BPMN) v.2.0

- BPMN: Graphical notation depicting the steps of a business process
- BPMN can be employed to describe the workflow of a procedure, with all the conditions, alternative actions, actors etc. from start to finish.
 - *Simple and static BPMN* can depict the flow of a service both for citizens and the public administration employees
 - *Executable BPMN* workflows
 - can be fed to BPMN simulation engines with several workload parameters and provide an estimation for the execution cost of a service
 - can be fed to BPMN execution engines and allow the full execution of the service



We replace drawing...

with simple forms that describe each step

Βήμα:	0
1	
Αποτελεί βήμα διακλάδωσης:	0
Προηγούμενο βήμα διακλάδωσης:	0
Περιγραφή:	0
Υποβολή αίτησης	
Αρμόδιος διεκπεραίωσης:	0
Αρμόδιος Υπάλληλος	~
Συναρμόδιος Φορέας:	0
Απαιτούμενος χρόνος διεκπεραίωσης (min):	0
23	
Απαιτούμενος χρόνος διεκπεραίωσης (max):	0
234	
Απαιτούμενος χρόνος διεκπεραίωσης (μονάδα):	0
Λεπτά 🗸	
	0



and *automatically generate* the XML file of the BPMN







227120 European Health Insurance Card

At a Glance	At a glance
Basic information	Points of service
Application	Single Social Security
What you will need	olingie obeidi oceani,
Requirements	
Output	
Steps	Number of required
Digital steps	(1)
Other information	
Legislation	
Categories	Description
Show Procedure	The procedure conce
Steps	those who are active temporary stay in or
Digital Steps	conditions and at the

At a glance				
Points of service		Digital provision points		
Single Social Security Entity (EFKA), K	ΈΡ (ΚΕΠ)	National Single D	igital Gateway – gov.gr	
		Remote Points of	fservice	
		myEFKAlive, myK	EPlive	
Number of required documents	Fees		Estimated Time	
(1)	Provided without cost		10 days	
			Estimated Time (digitally) 21 minutes	

The procedure concerns the issuing of a European Health Insurance Card (EHIC), a free card, which is provided to hose who are actively insured by e-EFKA, in order to have access to medically necessary state care during their emporary stay in one of the 27 EU countries, Iceland, Liechtenstein, Norway and Switzerland, with the same conditions and at the same cost (in some countries, free of charge) as insured persons in that country.





Data sharing and interoperability







How we share data - Mitos API

- <u>https://api.mitos.gov.gr/info/</u>
- Certain API endpoints also allow to populate or update the registry in a batch manner
- The result of an API call for a service is JSON formatted





Interoperability

https://api.mitos.gov.gr/info/

Γενικές Πληροφορίες

όσβαση - Αυθι API BASE URL τοσδείνματα CU

Στο παρον κειμενο γινεται αναφορά σε ένα υποσυνολο των λειτουργιών που οιατιθένται από το ΑΡΙ του Εθνικού Μητρώου Διαδικάσιών του Ελληνικού Δημοσίου.	
Πρόσβαση - Αυθεντικοποίηση	
Το Mitos ΑΡΙ προσφέρει μια μορφή ελέγχου ταυτότητας:	
Api Key Authentication	
Για να αποκτήσετε πρόσβαση, θα πρέπει να αποστείλετε e-mail στο api@mitos.gov.gr	
API BASE URL	
Σε κάθε ανάλυση λειτουργίας του συστήματος θα παρέχεται η μέθοδος ανάκτησης εντός δύο σηκυλών, ακολουθούμενη από το url στο οποίο πρέπει να σταλεί το αίτημα HTTP.	
[GET] APJ_BASE_SBL/v1	bash
Όπου αναφέρεται το API_BASE_URL αυτό είναι το https://api.digigov.grnet.gr/emd για την παραγωγική έκδοση της εφαρμογής.	
Παραδείγματα CURL	
Εμφάνιση όλων των διαδικασιών	
curl -X GET "API_BASE_URL/v1/services"	

Mitos is the *single point of truth* for CSSs, EUGO, YourEurope, gov.gr as well as for the Document/Case Management Systems of Public Administration





Αλλαγή διεύθυνσης αποστολής λογαριασμού

27 Σεπτεμβρίου 2023

KE ουσιοδότηση - Εξουσιοδότηση ή συμβολαιονοαφικό πληρεξούσιο τρίτου προσώ **MAIGOV** Ρωτήστε τον ψηφιακό βοηθό του gov.gr προδιαγραφές, την ιδιοκτησία ή μίσθωση οικήματος και την δήλωση του προγραμματιζόμενου χρόνου ίδρυσης του Κέντρου. Θα χρειαστεί επίσης να παράσχετε διάφορα δικαιολογητικά, όπως υπεύθυνες δηλώσεις, κατάσταση

προσωπικού/συνεργατών, οικονομική μελέτη, άδεια δόμησης, σχέδιο δράσης/υλοποίησης και νομιμοποιητικά έγγραφα νομικών προσώπων. Περισσότερες πληροφορίες μπορείτε να βρείτε στην αντίστοιχη ενότητα της ιστοσελίδας της Ελληνικής Κυβέρνησης: Σύνδεσμος. Ανανέωση χρόνου



Publish Mitos data in RDF format

....in a moment





Thank you for your attention

varlamis@admin.grnet.gr







The Mitos Linked Open Data (Mitos LOD) project

Prof. Efthimios Tambouris University of Macedonia







MITOS LOD project objectives

- MITOS LOD is a joint RTD project of grnet and UoM supported by BDTI
- Its aim is to publish public service descriptions of MITOS as Linked Open Data aligned with CPSV-AP
 - MITOS: is the official National Registry of Administrative Procedures in Greece including ~3500 public services
 - CPSV-AP is used to transform the data of MITOS to Linked Open Data
 - The project used free cloud-based resources and tools provided by the Big Data Test Infrastructure (BDTI) framework, which are essential for the data transformation pipeline







MITOS LOD Architecture



Subset of CPSV-AP for LOD transformation

Subset of



cpsv:produces <https://mitos.gov.gr:8890/PublicServices/id/praxis/praxis814359>.

SPARQL Queries

prefix cv: <http://data.europa.eu/m8g/>
select ?name, (count(*) as ?total) where {
 ?x cv:isGroupedBy ?event.
 ?event cv:name ?name }
GROUP BY ?name
ORDER BY DESC (?total)

Get the number of Public Services per life event (e.g., child birth).

name	total
"Απασχόληση στο δημόσιο τομέα"	1427
"Αδειοδοτήσεις και συμμόρφωση"	1179
"Οικοδομικές άδειες / μηχανικοί"	973
"Διαθέσιμη παραγωγή"	806
"Νομοθεσία και αποφάσεις"	773
"Πολίτης και καθημερινότητα"	768
"Τουρισμός"	739
"Εξ αποστάσεως εξυπηρέτηση πολιτών"	688
"Ναυτιλία"	688
"Επιχειρηματική δραστηριότητα"	682

Most used Evidences by Public Services

name	tota
"Η διαδικασία αφορά στην έκδοση ηλεκτρονικής υπεύθυνης δήλωσης από τον ενδιαφερόμενο, χωρί	1787
"Εξουσιοδότηση από τον/την άμεσα ενδιαφερόμενο/η προς το πρόσωπο που εξουσιοδοτεί για να ε	887
"Η διαδικασία αφορά στην έκδοση ηλεκτρονικής υπεύθυνης δήλωσης από τον ενδιαφερόμενο, χωρί	795
"Εξουσιοδότηση ή συμβολαιογραφικό πληρεξούσιο τρίτου προσώπου από τον άμεσα ενδιαφερόμενο.	750
"Αποδεικτικό πληρωμής/ ηλεκτρονικό παράβολο κωδικός \"2033\" αξίας 2€"	748
"Έγγραφο εννόμου συμφέροντος, σε περίπτωση που ο/η αιτών/ούσα δεν είναι διάδικος."	742
"Η διαδικασία αφορά την έκδοση πιστοποιητικού οικογενειακής κατάστασης από το Δημοτολόγιο	655
"Η διαδικασία αφορά στην έκδοση εξουσιοδότησης από τον άμεσα ενδιαφερόμενο προς το πρόσωπο	589
"Η διαδικασία αφορά στη χορήγηση αποσπάσματος Ληξιαρχικής Πράξης Θανάτου, η οποία χορηγείτ	538
"Πιστοποιητικό οικογενειακής κατάστασης"	482

Thank you for your attention!!

More info: tambouris@uom.edu.gr

We will be at EGOV conference:

Using the EU Big Data Test Infrastructure to Publish MITOS Public Service Descriptions as Linked Open Data by E. Tambouris1, D. Zeginis G. Matziaras, N. Stefanidis, R. Promikyridis, K. Tarabanis, K. Doutsos Oikonomou, I. Varlamis and M. C. Bodino



Survey on the adoption of CPSV-AP



The survey aimed at analysing **who** of the Member States **is using CPSV**-**AP** to describe their Catalogue of Services, **how** they are doing it, what **barriers** they face, and which **support** of SEMIC they might need.

Questions

- 1. Do you currently use CPSV-AP?
 - What is the current status/level of implementation?
 - Which version are you using?
 - Have you extended the version of CPSV-AP as provided by SEMIC?
- 2. Did you consider using CPSV-AP?
- 3. What barriers do you face for adopting/implementing CPSV-AP, which constraints are holding you back?
- 4. Are you currently using tools to describe and publish public services?
 - Which tools do you use and for what purpose?
- 5. Are you using other SEMIC specification in the context of describing public services (next to CPSV-AP)?
- 6. Would you be interested in receiving support from SEMIC on using and implementing CPSV-AP in your Catalogue of Services (CoS)?
- 7. How can SEMIC best support the development of your organisation's Catalogue of Services in the future?



Results (1)

Did you extend CPSV-AP? Did you consider CPSV-AP? Are you currently using CPSV-AP? 4 3 6 2 2 5 Yes No Yes No Yes No

Results (2)

What barriers do you face for adopting/implementing CPSV-AP, which constraints are holding you back?

Would you be interested in receiving support from SEMIC on using and implementing CPSV-AP in your Catalogue of Services (CoS)?



Results (3)

Are you currently using tools to describe and publish public services?

- 6 out 11 respondents use tooling
- In every case the tooling is custom

How can SEMIC best support the development of your organisation's Catalogue of Services in the future?

- Tools and guidelines for describing and publishing the (extended) model
- Promote local adoption by showing local use cases
- Centralised portal for European Public Services
- Compatibility between specifications
- Mapping of CPSV-AP to schema.org

Use of other SEMIC assets:





Thank you



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