

SHARING AND RE-USE (2016.31)

IDENTIFICATION OF THE ACTION

Type of Activity	Common Frameworks
Service in charge	DIGIT.B6
Associated Services	

EXECUTIVE SUMMARY

The economic crisis requires EU public administrations to do the same or even more with much less. In this context, sharing and reuse of the IT solutions used for the provision of digital public services has the potential to bring the much needed savings.

At the same time, reuse of solutions will contribute to a greater harmonisation and improved coherence of services across EU and will make it easier for public administrations to interact and interoperate.

Member States and the Commission have already taken various steps towards this direction. Under the ISA programme, the "Sharing and re-use" action has already produced a number of tools which can help public administrations to develop common and reusable solutions.

Under the 2016 ISA² work-programme, the following activities took place:

- Publish a re-use and sharing framework: The common framework on cross-border sharing and re-use of solutions (developed under ISA) were put in public review so as to become a core reference for EU and national sharing and re-use initiatives; The framework will be published in december 2016.
- Development of training materials to be used in the context of the Sharing and reuse framework.

In 2017, the following activities are planned:

- Conference about sharing and re-use of IT solutions in the public sector focusing on best practices (cases, solutions, governance and business models) – Q1 2017;
- Support to national and regional projects bearing chances for a cross-border re-use;
- Award successful IT projects having a potential for cross-border expansion. The aim is to use the prizes as financial incentives and communication tools to have a positive effect on the cross-border re-use of IT solutions (e.g. open source software solutions or services). Q1 2017
- Open.PM² is an initiative taken by the Commission to bring the PM² Methodology and its benefits closer to stakeholders and user-groups beyond the original target group of European Commission Project Managers. These user groups include all European Institutions, Public Administrations of Member States, Contractors and EU Citizens.
- Facilitating the use of open source solutions in the public sector (taking over the OSS community building activity from ISA² action 2016.22.)

OBJECTIVES

The action shall support public administrations in sharing and re-using IT solutions and best practices in order to facilitate the development of interoperable, high-quality and efficient public services.

SCOPE

All EU public administration providing public services are in scope of the action, which aims to develop and promote instruments to help administrations share and re-use their IT solutions. Within this scope, the action has already developed and will publish in 2016 a common Sharing and Re-use Framework, has already developed a set of guidelines and templates and will organise a conference to disseminate these instruments and information on best practices in Europe.

In 2017, it will also take over the managing of the OSOR (Open Source Observatory) community on joinup. In addition the action will support the Open.PM² initiative is to provide open access to the PM² Project Management Methodology to all European Union Institutions, Contractors and the broader EU stakeholder groups. This will enable increased effectiveness in the management and communication of project work serving the objectives of the European Union and needs of Member States and EU citizens.

ACTION PRIORITY

Contribution to the interoperability landscape

The contribution of the action to the interoperability landscape, measured by the importance and necessity of the action to complete the interoperability landscape across the Union

Question	Answer
<i>Does the proposal directly contribute to implementing the European Interoperability Strategy, the European Interoperability Framework, or other EU policies with interoperability requirements, or needed cross-border or cross-sector interoperability initiatives? If yes, please indicate the EU initiative / policy and the nature of contribution.</i>	Regulation (EC) No 1049/2001 of the European Parliament and of the Council of 30 May 2001 regarding public access to European Parliament, Council and Commission documents (OJ L 145 of 31.5.2001). Aligned with European Commission decision of 12 December 2011 (2011/833/EU) on the "reuse of Commission documents to promote accessibility and reuse."
<i>Does the proposal fulfil an interoperability need for which no other alternative solution is available?</i>	There are currently no common (EU wide) processes, governance structures, and document templates to manage IT/IS or/and Business Projects/Programmes. PM ² is a proven methodology, accepted by the PM

	<p>Community and external contractors.</p> <p>Making PM² available to the broader community will help establish the desired common framework for managing Projects within the EU.</p>
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Cross-sector

The scope of the action, measured by its horizontal impact, once completed, across the sectors concerned

Question	Answer
<i>Will the proposal, once completed be useful, from the interoperability point of view, and utilised in two (2) or more EU policy areas? If yes, which are those?</i>	<ul style="list-style-type: none"> • EU Grants Management • Member States Grants Management • Management of the development of Information Systems
<i>For proposals or their parts already in operational phase: have they been utilised in two (2) or more EU policy areas? Which are they?</i>	

Cross-border

The geographical reach of the action, measured by the number of Member States and of European public administrations involved.

Question	Answer
<i>Will the proposal, once completed be useful, from the interoperability point of view, and used by public administrations of three (3) or more EU Members States?</i>	Yes.
<i>For proposals or their parts already in operational phase: have they been utilised by public administrations of three (3) or more EU Members States?</i>	

Urgency

The urgency of the action, measured by its potential impact, taking into account the lack of other funding sources

Question	Answer
<i>Is your action urgent? Is its implementation foreseen in an EU policy as priority, or in EU legislation?</i>	Regulation (EC) No 1049/2001 of the European Parliament and of the Council of 30 May 2001 regarding public access to European Parliament, Council and Commission documents (OJ L 145 of 31.5.2001). Aligned with the promotion of projected organisational structure (announced by the President of the European Commission (IP/14/984 and SPEECH/14/585)).
<i>Does the ISA² scope and financial capacity better fit for the implementation of the proposal as opposed to other identified and currently available sources?</i>	yes

Reusability of action outputs

The re-usability of the action, measured by the extent to which its results can be re-used

Name of reusable solution	Sharing and reuse of IT solutions Framework
Description	The framework provides a set of recommendations for public administrations in Europe to support them in sharing their IT solutions with each other. It also describes supporting measures which can be taken on board by 'central bodies' to support their administrations in better sharing and reusing each others' solutions. Finally, it describes a number of supporting instruments, i.e. services, guidelines, and best practices in the area of sharing and reuse.
Reference	
Target release date / Status	December 2016
Critical part of target user base	<ul style="list-style-type: none">• European Institutions• Public Administrations of Member States

	<ul style="list-style-type: none"> Contractors
For solutions already in operational phase - actual reuse level (as compared to the defined critical part)	

Name of reusable solution	Sharing and reuse of IT solutions Framework – training materials
Description	The training materials will provide practical guidance to using the recommendations of the Framework.
Reference	
Target release date / Status	December 2016
Critical part of target user base	<ul style="list-style-type: none"> European Institutions Public Administrations of Member States Contractors
For solutions already in operational phase - actual reuse level (as compared to the defined critical part)	

Name of reusable solution	Open PM ² - Open Project Management Methodology
Description	<p>PM² is a Project Management Methodology developed and sponsored by the European Commission. PM² is a light and easy to implement methodology suitable for any type of project. It incorporates elements from a wide range of globally accepted best practices as well as operational experience from various EU Institutions.</p> <p>It provides:</p> <ul style="list-style-type: none"> a project governance model a lifecycle a set of management processes a set of templates and a set of effective mindsets.
Reference	
Target release date / Status	December 2016
Critical part of target user base	<ul style="list-style-type: none"> European Institutions Public Administrations of Member States Contractors and EU Citizens

For solutions already in operational phase - actual reuse level (as compared to the defined critical part)

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Level of reuse by the proposal

The re-use by the action of existing common frameworks and elements of interoperability solutions.

Question	Answer
Does the proposal intend to make use of any ISA ² , ISA or other relevant interoperability solution(s)? Which ones?	
For proposals or their parts already in operational phase: has the action reused existing interoperability solutions? If yes, which ones?	

Interlinked

The link of the action with Union initiatives to be measured by the collaboration and contribution level of the action to Union initiatives such as the DSM.

Question	Answer
Does the proposal directly contribute to at least one of the Union's high political priorities such as the DSM? If yes, which ones? What is the level of contribution?	<ul style="list-style-type: none"> • Regulation (EC) No 1049/2001 of the European Parliament and of the Council of 30 May 2001 regarding public access to European Parliament, Council and Commission documents (OJ L 145 of 31.5.2001). • Aligned with European Commission decision of 12 December 2011 (2011/833/EU) on the "reuse of Commission documents to promote accessibility and reuse." • Aligned with the promotion of projectised organisational structure (announced by the President of the European Commission (IP/14/984 and SPEECH/14/585)).

PROBLEM STATEMENT

The problem of	budget limitation although there is a need for better public services at national level and more cross-borders cooperation
affects	the EU public administrations (at all levels, national, regional and local), their users (other administrations, citizens and businesses) as well as the EU bodies responsible for cross-border and/or cross-sector policies
the impact of which is	digital isolation within the national borders, moderate ICT implementation quality, at higher cost, lack of interoperability and lack of coherence in the implementation of EU law.
a successful solution would be	to design a framework on sharing and re-use accompanied by measures (communication, awards, support to sharing and re-use initiatives, etc.) that can support its implementation in Europe.

EXPECTED BENEFICIARIES AND ANTICIPATED BENEFITS

Beneficiaries	Anticipated benefits
EU public administrations	Savings as well as indirect facilitation of interoperability through the reuse of existing public services solutions all over Europe
EU bodies	EU initiatives can be better implemented and their impact is maximised if digital services in Europe are developed on the basis of sharing and re-use of existing solutions
Citizens and businesses	Being the end-users of digital public services, they benefit from services of better quality, more interoperable and accessible. Reusability often entails less time for the end-users to engage themselves in using the service due to previous knowledge and makes the concerned service more attractive.

RELATED EU ACTIONS / POLICIES

Action / Policy	Description of relation, inputs / outputs
ISA Action 1.3 – Catalogue of services	The criteria developed by the action will be used by the Catalogue of services.
ISA Action 1.17 – Reusable Inspire	ARE3NA will benefit from the sharing and reuse strategy for the better organisation of assets and work related to open data initiatives, in line with the

Reference Platform	ARE3NA's objectives.
ISA Action 2.1 – European Interoperability Architecture	Sharing and re-use criteria will be considered within EIRA's endeavour to define interoperability specifications.
ISA Action 2.14 – Assessment of Trans-European networks supporting EU policies	The action will provide input to the EU cartography, by defining reusability criteria upon which the TES will be classified. Further on, it will also be used by the European Interoperability Cartography (EIC) as the necessary "sharing and re-use" for the introduction of an interoperable solution.
ISA Action 4.2.1 – Integrated Collaborative platform (Joinup)	Sharing and re-use criteria are used by Joinup for the federation and the registration of new solutions.

REUSE OF SOLUTIONS DEVELOPED BY ISA, ISA² OR OTHER EU / NATIONAL INITIATIVES

The action used many sources to develop the common EU sharing and re-use framework, such as the sharing and re-use framework developed by DG TAXUD (for the taxation domain) and a study on the identified barriers to sharing (developed by DG DIGIT). For other instruments, such as the meta-guideline for public procurement, the action used several studies developed by DG CNECT and DIGIT (under the IDABC and ISA programmes).

EXPECTED RE-USABLE OUTPUTS (solutions and instruments)

Output name	Sharing and re-use Framework
Description	The framework consists of a set of recommendations for public administrations, on the one hand to help them create shareable solutions and on the other hand to reduce development and operation costs by re-using already available solutions.
Reference	
Target release date / Status	Q2/2016

ORGANISATIONAL APPROACH

Expected stakeholders and their representatives

Stakeholders	Representatives
Member States' public administrations	Dedicated ISA ² Working Group experts
The European Commission	DIGIT, IT governance of the Commission as well as ICT services of other directorate generals

Communication plan

Event	Representatives	Frequency of meetings / Absolute dates of meetings?
Sharing and re-use conference		Q1/2017
Sharing and re-use reward event		Q1/2017

Governance approach

The action will be managed by DIGIT with the support of an external contractor. Whenever major deliverables are to be published, the validation of the MS representatives will be sought.

TECHNICAL APPROACH

A common framework on cross-border sharing and re-use of solutions (developed under ISA) were put in public review in Q1/2016 so as to become a core reference for EU and national sharing and re-use initiatives. Its implementation will be supported by a series of activities, such as conferences about sharing and re-use of IT solutions in the public sector and support to national and regional projects bearing chances for a cross-border re-use.

An interesting new approach in promoting sharing and re-use is awarding successful IT projects having a potential for cross-border expansion. The methodology developed under ISA action 4.2.2 Community building will be used for the transparent selection and evaluation of candidate projects. All European public

administrations are eligible. The precise context, along with the evaluation and selection criteria were published by Q1 2016.

In 2017, the action will

- overtake the management of the OSOR Community (Open Source Observatory) from ISA2 action 2016.22 *Community Building*. Within this context, the action will create original content in the context of OSS use in the public sector in Europe and promote the use of OSS, by disseminating good practices on different platforms, events, workshops and conferences.
- organise in 2017 Q1 the Sharing and reuse conference and give out awards of best case of sharing and reusing IT solutions in the public sector.
- publish the open PM² as a freely reusable project management methodology available for public administrations in Europe. Establish the OPM² Support network and community.
- create an online version of the Sharing and reuse framework with additional supporting instruments, good practices, reuse cases, etc.
- provide trainings for civil servants on the recommendations of the the Sharing and Reuse Framework

COSTS AND MILESTONES

Breakdown of anticipated costs and related milestones

Phase: Inception Execution Operational	Description of milestones reached or to be reached	Anticipated Allocations (KEUR)	Budget line ISA ² / others (specify)	Start date (QX/YYYY)	End date (QX/YYYY)
Operational	Sharing and re-use conference and award event	50	ISA ²		
	Promotion of sharing and re-use framework	195	ISA ²	Q2/2016	Q2/2018
	Funds for financial awards	100	ISA ²	Q2/2016	Q2/2017
	Publish the OPM ² methodology and supporting measures	360		Q4/2016	Q4/2020
	OSS Community building	200	ISA ²	Q2/2017	Q2/2018
	Total (2016-2017)	525			

Breakdown of ISA² funding per budget year

Budget Year	Phase	Anticipated allocations (in KEUR)	Executed budget (in KEUR)
2016	Execution	180	
2017	Execution – main	65	

	Execution – OSS community building	200	
	Execution – OPM2	80	
2018			
2019			
2020			