Project

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V0.2	2014-01	Barbara Dierickx	PACKED vzw	First draft
V1.0	2014-01	Andrea Tempera	ICCU	Internal review and formal check
V1.1	2014-06	Barbara Dierickx	PACKED vzw	First revision
V2.0	2014-06	Maria Teresa Natale	ICCU	Formal check

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1 EXECUTIVE SUMMARY

This document serves as an addendum to the already published deliverable *D5.2 Report on existing tools and devices related to narrative approaches and requirement functionalities (M6)*, coordinated by Dédale and PACKED. It provided an overview of existing tools and applications that could serve as examples for the development of the creative applications for the (re)use of digital cultural heritage content that will be developed in the AthenaPlus WP5.

In the deliverable it was announced that a second version of the report would be released after the project plenary meeting in October 2013. During and after this meeting, the AthenaPlus WP5 Working Group, together with the technical team an interested members from the consortium, determined the functional requirements for the tools to be developed. The results of this process are now included in this addendum and will also serve the pilot actions of WP6 that will be run in relation to digital storytelling, virtual exhibitions, educational use and GIS applications.

This deliverable has been revised based on requests to clarify the choice for the MOVIO tool. It now contains a deeper explanation of the logic that was followed, from the general recommendations to the specific change requirements and the choice of MOVIO.

2 METHODOLOGY

2.1. Analysing the needs

With the survey of existing components (included in D5.2) and the results of user testing (included in D5.1) at hand, it was mentioned in the deliverable report that another round of surveying was needed to determine:

- what kind of infrastructure and user components are desired and required;
- what implementations and integrations are technically feasible.

The combinations of these two answers would allow to successfully develop and customise an application environment to accommodate digital cultural heritage content from Europeana and AthenaPlus.

Preparation for this discussion started at the time of issuing deliverable D5.2 (M6). The actual decisions were made during and after the plenary project meeting that took place in M8; October 2013. Prior to the plenary meeting, WP5 already analysed the information provided in the deliverables; more specifically the general recommendations that now needed to be translated into requirements. Based on this, a list of 200 requirements was derived by WP5 that could become implemented in the desired technical infrastructure.

These single requirements could all be grouped into ten different aspects that the infrastructure should cover:

- WYSWYG interface
- Content exploration (search) and source gathering (collection creation)
- Importing external data
- IPRM (Licensing)
- User tagging, commenting, rating
- Responsive design, mobile
- Multilingual
- Authoritative and external resource integration
- "Ontology Builder"
- External APIs: timeline/slideshow/ maps

These categories were the direct result of the general recommendations, which were then first turned into the requirement categories listed above. The ten topics were generated based on abstraction of the recommendations from both previous reports. Example: *"An integration of external data sources (already available on the web) and the content contained in the digital asset or collection management system must be possible, in order to enrich the uploaded content and/or make links to a personal information stream (e.g. Facebook profile)"* (recommendation in D5.2) translates into requirement categories

- Importing external data
- User tagging, commenting, rating
- External resource integration

2.2. Introducing the MOVIO infrastructure

With this list of broad requirement categories at hand, we went back to reflect on the list of possible usable/reusable software infrastructures that was included in the D5.2. One of the main open frameworks in there was MOVIO developed by co WP5-leader Meta. It was described in the D5.2 as follows:

Movio
Project initiator: Italian Ministry of Cultural Heritage **Type**: public **Country:** Italy Co-financed by Fondazione Telecom Italia Developed by Meta s.r.l **Website:** http://www.movio.beniculturali.it/

Typology: tool for interactive digital storytelling

Sector(s): cultural heritage

Audience: professionals from museums, libraries, archives

Description: Movio is a kit for the realisation of online virtual exhibitions, based on a PHP framework. The semantic Content Management integrates an ontology builder: pages content may be defined as an entity of an ontology that is built within the CMS. The editor of entities and relationships becomes a tool for creating information sheets. Several tools are available for editing content: timeline, slider, Map Management, storytelling, photo gallery. A microsite for mobile, an App version and online tutorials and training are also available.

Strengths - Integrates the possibility to manage and modify the contents of a website and a mobile APP with the same editing environment - It is one of the few content management systems verticalised for being used in the cultural environment - It has been developed according to guidelines edited by experts in digital cultural heritage, with the objective to integrate tools for highlighting digital cultural heritage - It is one of the first multimode Content Management which allows the creation of semantically annotated contents and the native support of an ontology manager - It is open source for the web and the mobile applications for iOS and Android - It can be easily integrated with new components and plug-ins which allows it to be expanded with new functionalities and features - It is easy to use and to configure - It is based on a framework which respects the rules of model view controller applications (MVC). For this reason, the participation of external developers in its enrichment is not difficult - It integrates several tools which allows an efficient and multimedial use of the online digital contents, in line with the new paradigms of web and mobile development - It integrates a component for the management of storytelling, which allows the curators of virtual exhibitions to narrate stories in an innovative way, connecting the element of the stories also to the results obtained through the ontology. - The back-office is multilingual. - It supports multilingualism. **Weaknesses** - It is an autonomous project. It is not a fork of existing open source projects, like WORDPRESS, DRUPAL or PLONE - The community of MOVIO is still very young and needs further involvement and a greater support from European partners - It does not support Windows mobile

> - It should be natively distributed and installed also on the cloud with an easy configuration system
> - It should integrate a greater number of templates and graphic layouts, customised for specific uses

During the creation of the AthenaPlus proposal, project coordinator ICCU was already aware of the possibilities of MOVIO, be it in a preliminary form and containing limited functionalities. The fact that the technical framework had an open character and its MIT license is very permissive, entailed a lot of potential for further improvement, implementation of other open source components, and so on. Meta srl, as developers of MOVIO in the national, Italian context, were invited to the project as they could bring a dual expertise:

- Experience in the construction, conception and technical set-up of complex systems that allow both data and content management in a back-end infrastructure, as well as offering a front-end user interface;
- Connection to MOVIO as a toolkit on the very basic level of the source code and its construction.

This specific knowledge could be well used in the project when creating the tools for creative re-use, at that point still left in the middle what form the tools would take.

MOVIO was listed as only one of the available, ready-to-build-upon infrastructures in the D5.2. So after the deduction of the 10 broad requirement categories and going over the list of possibly usable tools, we came to the conclusion that the majority of these categories were already existent in the MOVIO infrastructure as it existed around October 2013[1].

Slide as part of the WP5 presentation during the AthenaPlus plenary meeting, October 2013

The green faces in the slide indicate that the category feature is already included in the then current MOVIO version. As MOVIO is based on an open source environment, it can be further built upon in the framework of the AthenaPlus project. By making the choice to build upon an existing infrastructure, we could move more efficient in terms of resources and time to invest. As MOVIO has been tested in Italy in the same sector that the AthenaPlus infrastructure should be used in, there is already a level of confidence in the easy usability of the tool.

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[1] The MOVIO instance is under continuous development; different versions including different technical functionalities thus existed over time.

Slide as part of the WP5 presentation during the AthenaPlus plenary meeting, October 2013

In order to present MOVIO and its then working functionalities to the partners, a dedicated training by Meta staff member Rubino Saccocio and Maria Teresa Natale (ICCU) was given as part of the plenary meeting. This way, partners could get a hands-on feel of what MOVIO would allow or was still missing in view of the requirements. The presentation on MOVIO and on the progress of the WP5 work can be found in the reserved area of the project website.

3 REQUIREMENTS FOR THE INFRASTRUCTURE

3.1. Results of the feedback process

After the presentation of MOVIO during the plenary meeting as mentioned earlier and a closer look into the functionalities of it by the other members of WP5, the consortium approved to use MOVIO as it existed mid-2013 as the backbone of the first release of the tools to be created in AthenaPlus

The general recommendations, which then were transformed into the 10 requirements categories, then had to be matched with the then existing features and functionalities of MOVIO. This matching brought two things to light:

- The broad requirement categories had to be turned back into specific requirements that were more tangible (i.e. requirements concerning specific functionalities on parts of the tools)
- In order to do so, the WP5 team had to take another close look at the survey on existing software tools as listed in D5.2 in order to see if certain functionalities of the tools listed there, could be underpinning what was to become a requirement for the enhancement of MOVIO in one of the 10 requirement categories.

An example of how this process worked, can be well illustrated by the requirement category 'External APIs: timeline/slideshow/ maps'. This would for instance be broken down into multiple specific requirements that are:

- MOV-AP-00006 Historical map : a map that shows information of historical relevance: places, events, etc.
- MOV-AP-00014 Geographical map: a map that shows information of places, routes, etc. (i.e. Like Google Map)
- MOV-AP-00015 Timeline: a linear line on which the dates are represented in a sequential order
- MOV-AP-00147 Slideshow layer: possibility to generate a slideshow
- MOV-AP-00150 Combine: slideshow + audio + video + text 2 voice: possibility to put in the same narration and organize the order of content different media types

If we then take for instance MOV-AP-00015, the Timeline feature, we see that in the D5.2 such component was also presented in the form of the existing Timeline JS software. As this is an open tool, it could be investigated whether this timeline tool could become integrated with the MOVIO infrastructure (as proved to be possible).

This led to a list of about 200 detailed and specific requirements, that each fell under at least one of the 10 requirement categories, and were also fully in line with the general recommendations from D5.1 and D5.2.

3.2. Presentation of the detailed requirements

This longlist of 200 requirements was sent to the consortium meeting for feedback, in order to create a shortlist out of it. The list below indicates the requirements and features to be implemented in MOVIO, in order to use the infrastructure in AthenaPlus. It was the aim of WP5 to have the opinion from the main future user group in order to be able to determine which requirements would be absolute crucial or necessary for implementation, and which might just be considered as a nice 'add on' feature.

The consortium members have then labelled all the following 67 requirements and functionalities as 'must have' for implementation. In the column 'Due time', you can see when approximately the functionalities are scheduled to be released and usable in a new instance of the MOVIO environment (see chapter 4).

Sequential Id	User Actions	Detailed description	Implementation notes	Due time (scheduled)	Front end/Back end	Modules involved (Front end/Back end)	Main application domain: all, education, cultural mediation, tourism	Type	Category	WEB	mobile
MOV-AP-00006	Historical map	A map that shows information of historical relevance: places, events, etc.	Hot spot editor in MOVIO	28 Feb. 2014	B	B	a	tool	layer	x	x
MOV-AP-00008	Anonymous access (the user just navigates the content, can't save paths, nor share…)	Access without registration and without authentication	No Login	28 Feb. 2014	F	F	a	user profile	registration	x	x
MOV-AP-00009	Location of interest	Possibility to choose a location (i.e. from a list/thesaurus...) and have it mapped	Possibility to tag content and then select them in a special search function	30 June 2014	F	B/F	a	tool	search	x	x
MOV-AP-00010	Period of interest	Possibility to choose a date or range of dates (i.e. from a list/time bar) and have it time-lined	Possibility to tag content and then select them in a special search function	30 June 2014	F	B/F	a	tool	search	x	x

MOV-AP-00011	Artist/s of interest	Possibility to choose and search for personages of relevance in the art domain (i.e. from a list/authority list) and have it represented (i.e. on a time-line)	Possibility to tag content and then select them in a special search function	30 June 2014	F	B/F	a	tool	search	x	x
MOV-AP-00012	Work /s of art or artefacts of interest	Possibility to choose and search for works of art of relevance in the art domain (i.e. from a list/art masterpieces list) and have it represented (i.e. on a time-line/map/ graph)	Possibility to tag content and then select them in a special search function	30 June 2014	F	B/F	a	tool	search	x	x
MOV-AP-00013	Theme of interest	Possibility to choose and search for a theme (i.e. 'pop-art', 'roman art') of relevance to the user in the art domain (i.e. from a list/art category map) and have it represented (i.e. on a time-line/map/ graph)	Possibility to tag content and then select them in a special search function	30 June 2014	F	B/F	a	tool	search	x	x
MOV-AP-00014	Geographical map	A map that shows information of places, routes, etc. (i.e. Like Google Map)	This function is just implemnted in the map page of MOVIO	28 Feb. 2014	F	F	a	tool	layer	x	x
MOV-AP-00015	Timeline	A linear line on which the dates are represented in a sequential order	This function is just implemnted in the timeline page of MOVIO	28 Feb. 2014	F	F	a	tool	layer	x	x
MOV-AP-00016	combine areas (+)	Possibility to collect different categories in one presentation page: textual descriptions, video, etc. The areas are expressed as media type. As example, the writers describe and tell their narration (text), the video editor creates short recordings, the interviewer records some interviews, etc. and each of them collect their media in their area: finally the curator combines the contributions in a 'combined area' selecting the most appropriate of them for the	This function is just implemnted in the Storytelling page of MOVIO	28 Feb. 2014	F	F	a	tool	layer	x	x

		narration.									
MOV-AP-00020	Share link	Possibility to communicate to the community a link of a source or portion of source such as done through Facebook and LinkedIn. The user does not share all the narration, just a short part represented by the 'share' link. Typically this is done sharing one picture, a title and a 5-10 lines description.	It needs the integration of a JavaScript code and need in the administration a flag to activate and deactivate it	30 June 2014	F	F	a	user profile	community	x	x
MOV-AP-00024	Like	Possibility for the user to say 'I like this article': it provides a ranking of quality and user appreciation	This need to implement this function associated at the MOVIO pages and contents	30 June 2014	F	F	a	user profile	community	x	x
MOV-AP-00025	Leave a comment	Possibility to write (only for authenticated users) a comment and publish it in relation to an article or narration (i.e. 'I've visited also the real exhibition and this article attracted me to visit it, thanks!")	Only in the storyteller	28 Feb. 2014	F	F	a	user profile	community	x	x

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MOV-AP-00058	The registration should be easy and fast: e-mail, pass, name, surname, DOB, gender)	Long forms for registration are not fit for populating a 'popular' site: cultural goods made available on-line need fast registration processes.	IT's a dedicated registration workflow to be implemented	30 June 2014	F	F	a	user profile	registration	x	x
MOV-AP-00059	Consent form for privacy	The consent form is mandatory for some countries to manage personal data (such as in Italy)	Text area	28 Feb. 2014	F	F	a	user profile	registration	x	x
MOV-AP-00060	Log-in	The system needs to identify the user to enable personalized services	Login	30 June 2014	F	F	a	user profile		x	x
MOV-AP-00061	Log-out	The user may want to log out and navigate anonymously	Logout	30 June 2014	F	F	a	user profile		x	x
MOV-AP-00062	Free keyword search	The possibility to search using a Google-like search box	Google-like search	28 Feb. 2014	F	F	a	tool	search	x	x
MOV-AP-00065	Zoom-in image	The possibility to zoom in large pictures (such as paintings to see the very tiny detail of a cloth or a jewel	Zoom - in	28 Feb. 2014	F	F	a	tool		x	x
MOV-AP-00066	Zoom-out image	The possibility to zoom out large pictures after you zoomed in (such as paintings to see the very tiny detail of a cloth or a jewel	Zoom - out	28 Feb. 2014	F	F	a	tool		x	x
MOV-AP-00105	Path of interest	The user may record a path/route in the local profile as 'preferred'	Bookmark to a path page	31 October 2014	F	F	a	tool	search	x	x
MOV-AP-00106	Preview	Possibility to visualize an action (i.e. after editing it)	Preview in the back-end	28 Feb. 2014	B	B	a	gui		x	x
MOV-AP-00107	Viewable and available collections	Some exhibitions are published and some (in progress) are at a draft state and are not made public. This means that some content is made visible to the community and some others are 'private'.	Editing workflow	28 Feb. 2014	B	B	a	gui		x	x

ID	Name	Description	Example	Date							
MOV-AP-00108	Export for print (PDF and print formatted)	Possibility to generate a well formatted PDF out of a narration or page and have it printed as 'take away' or for class -room distribution (during lessons)	Generate PDF, this requires the installation and configuration of some tools on the server	31 October 2014	F	F	a	tool		x	
MOV-AP-00110	Text area	Editing area for textual content	The text block of MOVIO CMS	28 Feb. 2014	B	B	a	tool	layer	x	x
MOV-AP-00111	Picture area	Editing area for images	You can resize an image when you insert it in the text	28 Feb. 2014	B	B	a	tool	layer	x	x
MOV-AP-00112	Video area	Editing area for video content	You can chose the frame to start the video	31 October 2014	B	B	a	tool	layer	x	x
MOV-AP-00113	Audio area	Editing area for audio tracks	You can chose the second to start the audio and duration of it	31 October 2014	B	B	a	tool	layer	x	x
MOV-AP-00114	Path area	Editing area for routes and paths and narration sequences of content	Map raw editor	31 October 2014	B	B/F	a	tool	layer	x	x
MOV-AP-00122	Video	Possibility to show videos on the interface	The possibility to show video in any interface	28 Feb. 2014	F	F	a	content		x	x
MOV-AP-00128	Permalink generation	Possibility to generate a permanent link to a small self explaining content (i.e. a painting)	MOVIO generates a permalink associated to the internal resources	28 Feb. 2014	F	F	a	tool		x	
MOV-AP-00132	Create a navigation ontology	Possibility to create an ontology, which is then used by the user to navigate the content. It is like creating a museum route in the narration.	Ontology builder	28 Feb. 2014	B	B	c	tool		x	
MOV-AP-00134	Add external resources reference to be ingested	Possibility to add owned content by upload or other web available resources (i.e. through the link to the resources)	In the BE of MOCIO we can upload resource in the archive media and link external source, such as YouTube videos	28 Feb. 2014	B	B	a	tool	content	x	

ID	Name	Description	Notes	Date				Type	Category		
MOV-AP-00136	Compare image portions (example: two pictures details)	Possibility to put side by side two images and zoom in two details to be compared visually	In the BE the curator can choose two images that are shown in the Front-end in a charming mode to allow the user to compare them	31 October 2014	F	B/F	e	tool		x	
MOV-AP-00147	Slideshow layer	Possibility to generate a slideshow	Slideshow tool of MOVIO	28 Feb. 2014	F	B/F	a	tool		x	x
MOV-AP-00148	Edit/modify	Possibility to modify what is on the page	Using the Content management of MOVIO	28 Feb. 2014	B	B	a	tool		x	
MOV-AP-00150	Combine: slideshow + audio + video + text 2 voice	Possibility to put in the same narration and organize the order of content different media types	This is possible in the Storytelling and content pages	28 Feb. 2014	B	B/F	a	tool		x	
MOV-AP-00153	Provision of the exhibition information	Possibility to provide information about the real exhibition (opening time, location, map to the museum, tickets, etc.	Exhibition module	28 Feb. 2014	F	B/F	a	content		x	x
MOV-AP-00171	Modify ontology	Possibility to modify at any time an ontology, let it be created by the curator	Ontology editor	28 Feb. 2014	B	B	e,c	tool	ontology operations	x	
MOV-AP-00176	Create ontology element	Possibility to create elementary ontologies which can be then used and combined in more complex ontologies (atoms and molecules)	Entity editor, content editor	28 Feb. 2014	B	B	e,c	tool	ontology operations	x	
MOV-AP-00177	Create hierarchy	Possibility to define a hierarchical structure in the ontology	Relation editor	28 Feb. 2014	B	B	e,c	tool	ontology operations	x	
MOV-AP-00178	Create ontology relationship	Possibility to create the relations in the ontology	Relation editor	28 Feb. 2014	B	B	e,c	tool	ontology operations	x	
MOV-AP-00184	Multilinguistic	Possibility to add new languages	Multilingual	28 Feb. 2014	B	B/F	a	Tool	Back-end	x	x
MOV-AP-00186	Image gallery	Possibility to create an image repository or gallery (CMS)		28 Feb. 2014			a	Tool	Gui/Back-end	x	x

MOV-AP-00187	Storytelling	Possibility to organize and edit content in order to create a story and a narration	There is the page type gallery in the back-end	28 Feb. 2014	B/F	B/F	a	Tool	Gui/Back-end	x	x
MOV-AP-00188	Template configuration	Possibility to modify the structure of the page: Colors and the king of the layout (eg.: two or more columns)	Template configuration in MOVIO CMS	28 Feb. 2014	B	B	a	Tool	Back-end	x	
MOV-AP-00189	Template independent	Possibility to use other templates and not only the standard	Framework feature of MOVIO that permit the substitution of the graphic elements	28 Feb. 2014	D	D	a	Tool	Back-end	x	
MOV-AP-00190	Video Gallery	Possibility to create a page with some videos	Video Gallery	31 October 2014	F	B/F	a	Tool	Gui/Back-end	x	x
MOV-AP-00191	DAM	Data Asset Management: allows the content owner to create collections and manage media and link them in the pages	Media Archive	28 Feb. 2014	F	B/F	a	Tool	Back-end	x	
MOV-AP-00192	External source (excel, csv) data import	Possibility to import data from specific file formats such as EXCEL MS, CSV, etc. this is useful for those curators who already have existing collections which are already annotated and would like a batch import.	Module builder	30 June 2014	B	B/F	a	Tool	Back-end	x	
MOV-AP-00018	Build virtual exhibition	Possibility to create complete virtual and digital exhibitions in relation to the building of a museum: i.e. room1: pop-art (here the narration of the room and the works of art); room2: Andy Warhol (here a dedicated room to AW , paintings, and descriptions)... This would support both fully virtual and real exhibitions	This action may be done by the curator in MOVIO using a map of the museum and create hotspot in it that refer some contents	28 Feb. 2014	B	B/ F	c	tool		x	

MOV-AP-00055	Classroom, or visit group	Possibility to manage contacts (classroom, visitors, etc.)	This requires a social network extensions of MOVIO, It will implement a simple classroom functionality to implement guided visit	31 October 2014	F	B/F	a	user profile		x	x
MOV-AP-00033 A	Connection of the narration to real path and travel planning	The tourist may need information about transportation, hotels, restaurants, hospitals	Some simple modules will be implemented in MOVIO	30 June 2014	F	B/F	a	tool	search	x	x
MOV-AP-00032	Tourist	A dedicated profile targeting the needs of the tourist: i.e. providing links to nearby restaurants or cultural activities and leisure	This need the a touristic tagging and referencing of the information	30 June 2014	F	B/F	t	user profile	profiling-mode	x	x
MOV-AP-00036	Teacher	A dedicated profile targeting the needs of the teacher: i.e. providing educational materials, bibliography, scientific resources	For a logged user or after a choose of a profile the system will provide a dedicated home page that will provide some useful information	31 October 2014	F	B/F	e	user profile	profiling-mode	x	x
MOV-AP-00037	Student	A dedicated profile targeting the needs of the student: i.e. providing educational materials, bibliography, scientific resources	For a logged user or after a choose of a profile the system will provide a dedicated home page that will provide some useful information	31 October 2014	F	B/F	e	user profile	profiling-mode	x	x

MOV-AP-00038	Professional (tourist guide)	A dedicated profile targeting the needs of the professional (tourist guide): possibility to view advanced paths and share them with the group of tourists, add personal material to the path, etc.	For a logged user or after choosing of a profile the system will provide a dedicated home page that will provide some useful information. Some of the function described requires the implementation of social functionality such as (circles, group, virtual classes)	31 October 2014	F	B/F	t	user profile	profiling-mode	x	x
MOV-AP-00039	Expert (contributor, curator)	A dedicated profile targeting the needs of the expert: i.e. providing research materials, bibliography, scientific resources, etc.	For a logged user or after a choose of a profile the system will provide a dedicated home page that will provide some useful information	30 June 2014	F	B/F	c	user profile	profiling-mode	x	x
MOV-AP-00075	Based on user registration preferences, a default profile is created	As soon as the user creates an account, the system should create a personalized profile	There will be some special Pages for special User	30 June 2014	F	B/F	a	user profile	profiling	x	
MOV-AP-00115	Bookmark - Mobile	Possibility to activate bookmarks on pages and on specific content pieces	This needs to implement a special interface for the registered user that makes availed this tool. The note will be stored in a dedicated area of the user	30 June 2014	F	F	a	tool		x	x

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ID	Name	Description	Notes	Date							
MOV-AP-00116	Add a note	Possibility to annotate content (i.e. by collaborators who enrich the curator narration)	This needs to be implemented a special interface for the registered user. The note will be stored in a dedicated area of the user. The note will be associated to a page not to a single item of the page	30 June 2014	F	F	c	tool		x	x
MOV-AP-00117	Add license	Possibility to evidence copyright and license models (such as CC, CC0, etc.)	It will be associated to the Media in the media archive	31 October 2014	F	B/F	c	tool		x	x
MOV-AP-00161	Quiz generator	Possibility to create questions and multi answer tool	A special functionality for a teacher or a curator in the BE to create a question	31 October 2014	B	B	e	tool		x	
MOV-AP-00161	Quiz	Possibility to answer questions and test	A special functionality for a student or a tourist in the FE to answer a question	31 October 2014	B	B	e	tool		x	
MOV-AP-00064	Add picture	Possibility to upload or link an image to a page or a narration area	Add an image in media archive	28 Feb. 2014	B	B	a	content		x	x
MOV-AP-00067	Add video	Possibility to upload or link an video to a page or a narration area	Add a video in media archive	28 Feb. 2014	B	B	a	content		x	x
MOV-AP-00068	Add audio	Possibility to upload or link an video to a page or a narration area	Add an audio in media archive	28 Feb. 2014	B	B	a	content		x	x
MOV-AP-00076	Add text	Possibility to edit a text area or a narration area	Add a text in the CMS and edit it	28 Feb. 2014	B	B	a	content		x	x
MOV-AP-00118	WYSIWYG editor	WYSIWYG text editor	This is the editting tool of MOVIO	28 Feb. 2014			a	tool	gui	x	
MOV-AP-00077	Pput markers on the map	Possibility to link a map and add relevant locations remaking them	Create a Poi on a Google Map in the MOVIO map page	28 Feb. 2014	B	B	a	tool		x	

MOV-AP-00096	QR code linked data	Possibility to connect content published on MOVIO to QR code recognition	This is a functionality in the mobile app	28 Feb. 2014	F	B/F	c	tool			x
MOV-AP-00146	Connect element to	Possibility to connect one element in the narration to the elements or tools (as example a content to a page); text to video, etc.	Possibility of use of URL of contents to insert it in a page	28 Feb. 2014	F	B/F	c	tool		x	
MOV-AP-00099	Read a QR code and show a multimedia content	Possibility to retrieve a web page of MOVIO by reading a QR code	This is a functionality in the mobile app	28 Feb. 2014			c	tool	AR		x
MOV-AP-00088	Referred links (internal and external)	Possibility to add to a narration links to terms. These links my be provided from internal sources (the narrations or their parts of the same story) or may come from external resources, such as dictionaries	In the MOVIO COM there is the possibility to edit a link in the text to external resource	28 Feb. 2014	B	B/F	a	user profile		x	x
MOV-AP-00130	Cross search connecting resources	Possibility to extend one's searches through other authoritative resources than the ones published in MOVIO, search on selected sources and find related results (i.e. Europeana + Wikipedia)	In MOVIO Pages there will b the possibility to use Wikipedia and European widgets	30 June 2014	F	B/F	a	tool		x	
MOV-AP-00155	Harvesting external authoritative resources and link to my path (such as Wikipedia)	Possibility to identify external resources or portion of resources (portion of pages in Wikipedia), which can be imported in my narration. I.E: the references or the author biography or the definitions, etc.	In BE this means that there will be the possibility to link, import and editing external resource, such as European metadata	30 June 2014	B	B	a	tool		x	

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4 FUTURE ACTIONS

End of February 2014 marks a milestone in AthenaPlus project: M12 – First release of the AthenaPlus tools. By that time, 43 of the 67 requirements from the table above will be implemented in MOVIO so as to serve as the AthenaPlus technical infrastructure.

A new significant release, containing more of the must-have requirements, is foreseen in June 2013. Through a process of continuous iteration, a final release of the tools (also a project milestone) will be realised by the end of the project in M30.

Upon publication of this addendum document, WP5 and WP6 will also start the alignment of the pilot actions to take place in WP6. The pilot actions will run based on the developed services to result in a report in M27 that will allow final re-iterations for improvement to the developed infrastructure.

In order to familiarise the partners with the technical infrastructure, dedicated trainings will be organised from March 2014 onwards. The training materials for these sessions will be developed by PACKED. In April 2014 four national trainings for the 'early adopters' among the project consortium will be organised aimed at museum professionals. Other target groups such as the educational field will be trained later on (starting M20) as that month marks the release of a MOVIO version containing more requirements to fit a broader audience.