

Pilot Evaluation Steering group VSNU/NFU/NWO – Elsevier

This document assesses to what extent the agreed principles for the specific pilot service have been met. This document goes with the pilot evaluation template and is used by the steering group to sign-off on the evaluation of the pilot.

Name Pilot/Service: AUMC (Amsterdam University Medical Center) website support service		
Short description of the pilot/service: The service will enable the institutions to represent their researchers and research outputs in a newly created website (Amsterdam UMC) and link back from that website to a dedicated portal for detailed information on researchers, their research outputs, organizations and their collaborations.		
1. (a) Participating institutions Participation in the Professional Services is at each Institution's sole discretion and a pilot shall only commence if there is a minimum participation by at least three Institutions *	Post-delivery Evaluation YES NO	Evidence and Comments
Are at least 3 institutions involved in the pilot?	The portal includes researchers from both medical centers and researchers from the combined UvA, VU medical research institutes; see research portal: Research (amsterdamumc.org)	VU Medical Center, AMC VU and UvA are also stakeholders. Employees from both institutions that are active in collaborative research institutes are included on the website
Evidence of how and when other institutions can join	N/A	n/a in this specific case, however, model can be applied to any collaboration. Other NFU members are following and are interested.
1. (b) Interoperability and vendor neutrality Elsevier shall use all reasonable efforts to ensure that the Professional Services are interoperable, both on the input (uploaded) and output side (created) *	Post-delivery Evaluation YES NO	Evidence and Comments
Use of open identifier systems	See: Maurice C. G. Aalders — Amsterdam UMC research portal and Bayesian analysis of depth resolved OCT	The service supports multiple identifiers including some open ones such as ORCID (Open

	attenuation coefficients — Amsterdam UMC research portal as an example	Researcher and Contributor ID), DOI, Dublin Core.
Use of standardised metadata schemas	YES	The service's metadata schema is CERIF (Common European Research Information Format) compliant
Existence of a well-documented API and open data-dump function	See: an example can be found here: https://cris.maastrichtuniversity.nl/ws/api/521/api-docs/index.html#!/activities/listActivities .	The service integrates with AUMC selected third-party vendor via a RESTful API, with JSON as data format
Ability to export data in a variety of formats	YES, see also immediately above	The Service offers the possibility to export data in multiple generic formats that most developers are familiar with, such as csv, JSON, etc.
Ability for other commercial parties to join	See Amsterdam UMC Vandaag; public site has been developed by GX, research portal by Elsevier	Participating institutions will use GX (an external developer/ vendor) to create the externally facing website that will be serviced through this pilot. One important lesson learned was that an external developer found it easy to work with the API provided. This was important as we would like the research outputs and their metadata to be used by the public and that will require developers to be able to ingest the data. And as Pure Community (the technology used) can ingest data from any source (like another CRIS system) this will also work for universities who don't subscribe to Pure. Unfortunately, we didn't find a partner to test this with. An expansion of the pilot should demonstrate this ability.
2. Transparency, inclusion and collaboration The Services and resulting Deliverables are aimed to make science and research more transparent, efficient, inclusive, openly and freely	Post-delivery Evaluation YES NO	Evidence and Comments

accessible, and collaborative. *		
Provenance on how and where metadata was derived	Data from the so called AMSCO5 CRIS system is being used to power the website and the research portal. AMSCO5 is the community CRIS instance from UvA, VU, AMC, VU-MC and HvA. This instance is powered by the separate CRIS systems from the institutions	Data is derived from institutional CRIS systems (see also flow diagram in SoW).
Descriptions of workflows that result in indicators, metrics and/or other relevant outcomes will be open and transparent. These will demonstrate, for example calculation steps, search strings used to define entities, etc.	NA	-
Description of the services used to create metadata	YES, see also Provenance section	Data is being pulled from the existing individual CRIS systems (Pure instances of the participating institutions), and then aggregated and deduplicated in a central Community (Pure) instance. This service uses the existing central community to connect via an API to the new AUMC public website
Insights and lessons published with Open Access license		At the discretion of the participating institutions (AUMC and the VU, UvA)
Will the pilot contribute to Open Science?	see: Amsterdam UMC Today which is powered by www.amsterdamumc.org/en/research.htm and its API.	At present: This service supports the institutions' objectives of transparency and outreach (the AUMC public website) and

		<p>promotes collaboration (visibility of expertise in website and supporting portal) across institutions and beyond.</p> <p>In the near future: It will be combined with Research Manager, exposing Clinical Trials to General Practitioners and others openly. By adding links to data sets and metadata schemes, it will support FAIR data.</p> <p>The pilot has taught us how aggregation of data followed by filtering what should be exposed is possible. This will help us in the future create specific services for applications and websites serving open science. For example, an Open Knowledge Base, whatever its architecture, or whoever will build it, will benefit from deduplicated data with provenance intact. Furthermore, it does so whilst sticking to the principles as institutions with any CRIS system can join, and importantly, quit the service easily.</p>
Demonstration of connection to non-Elsevier products	see: www.amsterdamumc.org/nl.htm Is the GX developed public portal which is powered via APIs by the Elsevier developed research portal.	Common API technology is being used to ensure data integration with the participating institutions' chosen vendor; RESTful API, with JSON as data format.
<p>3. Access to research data and metadata</p> <p>Elsevier will give enduring access during the Term to all (research) data, including metadata, analytics and information *</p>	<p>Post-delivery Evaluation</p> <p>YES NO</p>	Evidence and Comments
Describe the ownership / licensing of data	YES 3 aspects:	All data in the service's backend and frontend (Pure community and portal) as contributed by the

<p>made as part of the service</p>	<ol style="list-style-type: none"> 1. Institutions can decide what to do with the data, it is controlled by them. 2. Institutions can decide to switch CRIS systems any time they like, as they have stored their outputs in a well-organized database using generic identifiers, formats and exporting technology which guarantees low cost of transition to a new system (anti vendor lock in) 3. Institutions not subscribing to Pure but wanting to participate can benefit from the same features as they can easily join the service (without the need to adopt a new CRIS), be in control and easily leave as well. 	<p>participating institutions are fully owned by the participating institutions.</p> <p>Institutions can use the Pure Web Service API to retrieve their data at any time during or after the term. The Pure Web Service allows to extract both metadata and file data in XML and JSON format</p>
<p>Describe how access (institutional and / or public) to the data will be set-up during the term; this section will also indicate cases where certain data is not publicly access.</p>	<p>See: www.amsterdamumc.org/nl.htm, and Amsterdam UMC research portal</p>	<p>The public can access the data through the new Amsterdam UMC Research website, the new AUMC Pure portal and or the existing portal from UvA and VU. The Participating institutions determine which data entities will be made publicly available.</p>
<p>4. Data portability Institution shall be entitled to transfer the data provided, uploaded or created to its own or to a third party host environment *</p>	<p>Post-delivery Evaluation YES NO</p>	<p>Evidence Comments</p>
<p>Evidence on how data transfer is possible</p>	<p>See: www.amsterdamumc.org/nl.htm. Site pulls in data from the research portal via an API. All data pulled in via the API is owned by the institutions.</p>	<p>As Pure metadata schema is CERIF compliant, participating institutions can easily move to another host environment. In current setup data is being transferred to an external (approved by participating institutions) party via a RESTful API.</p>
<p>How can an institution withdraw data?</p>	<p>Yes</p>	<p>n/a all data is on the institutional CRIS; Participating institutions can withdraw data from the AUMC</p>

		<p>Pure portal at any time they wish. (cf. section 3.)</p> <p>If Participating Institutions decide to discontinue the service and migrate data to another system, all information and data in Pure is exportable and extractable to XML and JSON formats.</p> <p>The costs of the basic end-of-contract process are included in a client's Pure license fee. We provide guidance to clients about the tasks they need to complete as part of their exit strategy and help limit the expected timeline for them to complete these tasks.</p>
5. Intellectual property *	Evaluation YES NO	Evidence Comments
Details on IP related to data provided, created or enriched	NA	NA. There is no transition of ownership of (meta)data. There is no transfer or creation of IP.
6. Additional considerations	Post-delivery Evaluation YES NO	Evidence Comments
What processes will be put in place to evaluate the service during and at the end of pilot	See also evaluation template as part of evaluation process.	Ongoing review of the service with a formal decision before December 31 st 2021 to continue or discontinue the service.
Terms of use of the deliverables during and after contract period	New SoW will be issued for the remainder of the contract term. Pilot phase ends. Continue as a Service.	If participating institutions so wish, service is available as part of the agreement until December 31, 2024. If, at any moment, during or after the contract period, participating institutions do not want to continue the service, all public data serviced to the AUMC website will remain on that website (if participating institutions so wish)
Pilot project team	Elsevier provides ongoing post-delivery support and stays engaged with the AUMC team to define further improvements.	The existing team with representatives from Elsevier and AUMC has been working closely to

		define the solution. There are some improvements to the roadmap for 2022
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** For the full text, please refer to the contract.*

Post-delivery Evaluation Approved by the VSNU/NFU/NWO-Elsevier steering group	Date:
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