

Request for Quotation

RFQ for the provision of support for the REFEDS MET Tool

Date of Issue: 01 February 2021

Dissemination Level: GÉANT Public

Owner: REFEDS

Version: 1.00

Reference Number: 2021-refeds-support

1 Definitions

Terms	Definitions
Attachment	A document made available to Bidders in relation to this procurement.
Bidder	A Supplier submitting a tender for the supply of the requested Services.
Commencement Date	The date the Services start to be delivered.
GÉANT	<p>The contracting party, GÉANT, who is inviting Suppliers to participate in this procurement process.</p> <p>GÉANT Vereniging is a not-for-profit organisation, owned by its core membership of 41 NRENS. More information on the GÉANT Project and GÉANT Network can be found at www.geant.org.</p>
Service(s)	The services as described in this document, which the supplier has agreed to offer under the standard contractual terms supporting the supply of goods and / or services and which GÉANT has instructed the Supplier to carry out in an order.
Solution	A Supplier's response to GÉANT's RFQ in the form of an offer capable of acceptance made by the Supplier as a proposal to meet the requirements set out in this document.
Statement of Requirements	A statement issued by GÉANT detailing its Service requirement issued in accordance with the RFQ.
Supplier	An Economic Operator and could be a registered company, charitable Organization, Voluntary Community and Social Enterprise, Special Purpose Vehicle or other form of entity, who is capable to offers the requested Services.
Tender	The bid(s) prepared and submitted by Bidder in response to this RFQ).

Request for quotation

2 Introduction

2.1 Contact Person

The contact person for this RFQ is:

Nicole Harris
Head of Trust and Identity Operations
T: +31646105395
E: nicole.harris@geant.org

2.2 About GÉANT and REFEDS

GÉANT was established in 1993, to coordinate pan-European research and education (R&E) networking on behalf of Europe's NRENs. Since then, our role has evolved to that of a true services innovator, incorporating network planning, procurement, build and operation, as well as coordination of research programmes and development of innovative services. Working with NREN partners and the European Commission (EC), the high-speed networks that we build and operate connect NRENs to each other and to the rest of the world, enabling scientists, academics, innovators and students to collaborate across dedicated networks, regardless of their location.

GÉANT's role has evolved to that of a true services innovator, incorporating network planning, procurement, build and operation, as well as coordination of research programmes and development of innovative services. Working with NREN partners and the European Commission (EC), the high-speed networks that we build and operate connect NRENs to each other and to the rest of the world, enabling scientists, academics, innovators and students to collaborate across dedicated networks, regardless of their location.

GÉANT Vereniging, the legal entity for GÉANT is a not-for-profit organisation based in The Netherlands, owned by its core membership of 36 NREN organisations and NORDUnet, which participates on behalf of 5 Nordic NRENs.

REFEDS (Research and Education Federations) is an international community addressing the need of existing and emerging identity federations in the education and research sector worldwide to collaborate on policy issues. REFEDS operates under the GÉANT Association umbrella. REFEDS is supported by a secretariat consisting of employees from the GÉANT Amsterdam Office and other expert staff subcontracted by GÉANT. This team is led by the REFEDS Coordinator, who is a member of staff from GÉANT.

REFEDS main focus is on policy issues, particularly those concerning inter-federation collaboration of SAML-based federations. REFEDS confines its activities to the production of guidelines and best practices, mainly concerning federation policies in higher education.

2.3 Background

In order to support its work and operations, REFEDS is seeking quotations for an upgrade to the REFEDS MET tool. This is expected to be a one-off piece of work to bring MET features back into full operation once more but further work for MET will be advertised to ensure ongoing maintenance and support. The successful bidder will work closely with the REFEDS Coordinator to ensure that the MET service runs efficiently, and that bugs and issues reported by the community are addressed in a timely manner. A timetable for the work can be proposed by the bidder but it is expected that this work should be delivered before 01 September 2021.

2.4 Objective of this Procurement

The objectives for this procurement are as follows:

- To support the ongoing maintenance of MET and fix bugs that are identified by the community.
- To support federated login for MET and ensure that the login works seamlessly, and users can access their metadata appropriately.
- To support the introduction of new features for MET annually, to be agreed with the REFEDS Coordinator.

3 Statement of Requirements

3.1 Procurement plan

Below indicated procurement plan, provides an overview of the key stages and dates in this procurement. GÉANT reserves the right to change these dates as necessary, although it will seek to minimise any changes.

- 1) RFQ issued: 01 February 2021

Request for quotation

- 2) Deadline for clarification Questions: 12 February 2021
- 3) Deadline for Quotation responses: 26 February 2021
- 4) Contract evaluation / awarded: 12 March 2021
- 5) Commencement Date: 01 April 2021

Responses should be sent by email to: nicole.harris@geant.org.

3.2 Conditions of Contract

For the supply of the requested Services, raised under an approved Purchase Order for values below the EC thresholds, the standard contractual terms supporting the supply of goods and / or services of GÉANT Association are applicable. These terms can be downloaded from: https://www.geant.org/About/Joining_GEANT/Pages/Terms-and-Conditions.aspx.

Applicable taxes are extra and must be itemized separately in your proposal and all and any additional costs must be detailed in your quotation.

GÉANT terms must be accepted to submit a quote. Specific details surrounding deliverables and milestones can be included in the Annexes to the resultant PO but wholesale substitution of GEANT terms is not acceptable.

3.3 Specification

3.3.1 Background

The overall purpose of MET is to consume identity federation metadata and display this in a human readable format so that users can discover information published within federation metadata in an easy to use and easy to understand format.

MET in its current format currently only aims to display information to users that already exists in metadata. It does not intend to validate or assess the data - instead aims to be a directory of what is available. At this point in time, there is no ambition to add many additional new features to MET as the goal is to do something simple well.

MET currently supports the following requirements:

- You can find information about an entity or a federation.
- You can find how many and which services belong to a federation.
- You can find to which federations an entity belongs to.
- You can find which federations or entities are part of an interfederation.
- MET can be distinguished from other tools such as the eduGAIN entities database as it attempts to include any and all metadata streams published by federations so that users can compare information only published in local streams with other local federation streams.

3.3.2 Current Status

MET is currently provided at: <https://met.refeds.org>. The current codebase is at: <https://github.com/GEANT/met>. The service is currently hosted by GARR on behalf of REFEDS. MET has not been actively maintained for a number of years, meaning that several features are no longer working properly.

The aim of this Call for Proposals is to return all current features of MET to full operation. This could be via a refresh of the current code OR via a proposal to re-code MET from scratch. It is envisaged that there will be future calls to address new functionality, including features in the issue log: <https://github.com/GEANT/met/issues>.

3.3.3 Technical Requirements

- Choose an appropriate language, framework, and common style guide.
 - Python 3, Django, and PEP 8 are preferred, but other modern languages and frameworks may be accepted.
- Code must include automated tests.
- Work will be developed under a BSD 2-Clause "Simplified" License.

Request for quotation

- Code must be clearly documented and designed to allow modular additions and enhancements over time; design assuming the use of semver.org versioning.
- Develop documentation for federation operators (as maintainers of the MET page for each federation) and other MET users to be shared on a publicly accessible site.

3.3.4 Current Feature Set

Area	Requirement
Login	<p>Allow federation operators to login to change information about their federation - the ability to set permissions for appropriate users within federations</p> <p>Allow REFEDS staff to login to administer all federation metadata</p> <p>Currently uses DiscoJuice for discovery which is no longer supported – a system such as Seamless Access would be preferred.</p>
Admin page	<p>Admin page for the federation operator to enter data about their federation. This currently includes:</p> <ul style="list-style-type: none"> Country Registration authority Federation external website Federation type Federation logo Ability to upload multiple metadata streams and label metadata type
Metadata upload	Ability to upload and parse metadata from federations either from a defined url (preferred) or via direct upload of metadata
Metadata refresh	Ability to regularly fetch and refresh metadata feeds from defined urls
Summary page	<p>Provide an overview page with the following information:</p> <ul style="list-style-type: none"> Entities summary table Interfederation summary table Federations summary table Basic search Links to advanced search
Map	A map of the federations included in MET showing different levels of adoption and use per country
Search Entities	<p>The ability to perform basic search across entities to gather information. The current functionality supports searches for entity types, entity categories and within entityIDs</p> <p>Ability to effectively search for contacts across defined federations has been requested</p>
Federation page	<p>Display overview of federation data collected via admin page plus summary overview of entities within that federation. Click on entityID should lead to entity page.</p> <p>Pagination is badly broken in these displays</p>

Request for quotation

Entity page	<p>Display an overview of the information published in metadata for an entity, c.f. https://met.refeds.org/met/entity/https%253A%252F%252Fmonitor.eduroam.org%252Fsp%252Fmodule.php%252Fsa%252Fsp%252Fmetadata.php%252Fdefault-sp/?federation=aaieduhr-federation.</p> <p>This is divided into four areas:</p> <ul style="list-style-type: none"> Federation retrieved from and date of retrieval Entity overview Entity properties Technical details <p>Pagination is badly broken in these displays and new entity categories have not been taken into account</p>
Entity federation comparison	<p>The ability to compare the metadata record for the same entity ID in different federations</p> <p>This has rapidly become the killer feature for MET and should be a priority feature in development. The ability to more effectively view the metadata for the same entity in different federations side by side has been suggested</p>
Export	<p>The ability to export page summaries or searches</p> <p>Export currently only exports the first page of any search</p>

3.4 Proposals

Please use the following form to complete details of your proposal or provide the answers covering all of these points in a separate document.

Provider Name	GEANT Association Terms and Conditions Accepted (Yes or No)

Q1 – Proposal
<p>Please outline how you will deliver the work outlined in this RFQ.</p> <p><i>Please enter your response in the box below or in a separate Appendix. [Make 4 sides of A4].</i></p>
<p>Click here to enter text.</p>

Q2 – Experience and Track Record
<p>Please give examples of your previous work, experience with the community and how this will be relevant to this contract.</p> <p><i>Please enter your response in the box below or in a separate Appendix. [Max 1 sides of A4].</i></p>
<p>Click here to enter text.</p>

Q3 – Pricing
<p>Please give a pricing quote within the parameters shown below.</p>

Request for quotation

Q3 – Pricing
<i>Please enter your response in the box below or in a separate Appendix. [Max 1 side of A4].</i>
Click here to enter text.

3.4.1 Pricing

Proposals should clearly state a fixed price for delivery of this work. Payment will be for fixed amounts against delivery of the milestones specified in the proposal above.