

PEFC Request for proposals

Software development and maintenance

Request for proposals



PEFC/01-00-01

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Distribution to: General public

Issued by: PEFC Council - Technical unit

Issue date: 01.09.2022

Contact: data@pefc.org

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1. Introduction

The **Programme for the Endorsement of Forest Certification (PEFC)** is a non-profit organisation founded in 1999 that promotes the sustainable use of forest resources. It does so by developing international forest management and chain of custody standards and supporting the creation of national certification systems that are suitable to specific environmental, social and economic contexts.

PEFC is opening a request for proposals for the maintenance and further development of its label generators¹, International website² and various national websites to replace its current supplier.

This document outlines the objectives of the procurement, defines the tender participation rules and presents the technical requirements.

2. Objectives

The service provider will be able to fulfil the following objectives::

1. Review and understand existing PEFC software
2. Provide maintenance on existing PEFC software
3. Debug existing software
4. Develop new features (e.g. backend API, backend events, front websites and webapps)
5. Provide user support

¹ Cf. PEFC Label generator V1 [<https://label.pefc.org/label-generator/login>] and V2 [<https://labelgenerator.pefc.org/>]

² Cf. PEFC International website, [<https://www.pefc.org/>]

3. Participation rules

The call is open to companies worldwide. PEFC requires potential suppliers to abide by the following terms and conditions:

1. The supplier must not have been subject to any legal liability including but not limited to the following offences: fraud, tax evasion, professional misconduct, violation of intellectual property, collusion, corruption, breach of contractual obligations, etc.
2. Acceptance of **non-disclosure agreement (for selected supplier)**.
3. Acceptance of the selection criteria provided in section 4.
4. Commitment to the tentative timeline provided in section 5.
5. All communications and **proposals must be submitted in English**.
6. Proposals must contain a **quote in Swiss Francs (CHF) or Euros (EUR)**. All initial and recurring costs (e.g. service subscriptions) must be clearly detailed.
7. Proposals must be submitted to data@pefc.org, by **October 15, 2022**.
8. All expenses incurred for the submission of proposals are borne only by the participants.
9. The supplier must provide the majority of the service itself. In case part of the service is subcontracted, it must be explicitly stated in the proposal submission form.
10. Questions are to be sent only by email to the address: data@pefc.org
11. The present call for proposals is not formally binding on PEFC. Any contractual obligation will only start upon signature of the contract with the selected supplier.
12. PEFC reserves the right to cancel, postpone and modify the present call for proposals at any time without prior notice.

4. Supplier selection criteria

Suppliers eligible to take part in the tender, according to the participation rules defined in section 3, will be evaluated using the following criteria:

- **Level of technical proficiency** demonstrated through references to past projects (with similar technical complexity to the one described in this request), support statements from multiple referees, satisfactory answers to technical questions asked by PEFC and/or certification in product development frameworks (e.g. Scrum).
- **Level of financial stability** demonstrated through a profit and loss statement for the year 2021. Moreover, basic information about the company such as the number of employees and years of existence should be provided.
- **Level of professionalism** demonstrated through the quality and timeliness of previously delivered solutions and support statements from referees. If available, suppliers may also provide proof that they are competent in quality management systems and information security management through third party certification (e.g. ISO 9001, ISO/IEC 27001) and/or citation of adequate internal company rules.
- **Conformity of the proposal with all the critical requirements** listed in section 7 and tentative timeline given in section 5. Proposals that do not fulfil all the critical requirements will not be considered.
- The **price quote** (including recurring costs) for the proposed solution.

In case subcontractors are involved in the procurement, they are subject to the same selection criteria.

5. Tentative timeline

Step	Start date	End date	Deliverables
Opening of request for proposals	07.09.2022	16.10.2022	Written proposal
Selection of shortlisted suppliers	17.10.2022	31.10.2022	
Final selection of supplier (awarding of contract)	01.11.2022	13.11.2022	
Drafting and signature of contract	14.11.2022	30.11.2022	Contract
Start of service	01.01.2023	-	

6. Technical context

This section provides an overview of the applications to be maintained and further developed.

Application	Description	Required services
Label Generator V1 ³	<ul style="list-style-type: none"> • PHP / JS / Joomla 3.x • Jelastic / Kubernetes 	<ul style="list-style-type: none"> • Maintenance only, until decommission on August 15, 2023.
Label Generator V2 ⁴	<ul style="list-style-type: none"> • Laminas / Mezzio PHP framework (MVC/DDD) • Angular 12+ frontend • PostgreSQL database • NodeJS EPS/PDF/PNG generator • Docker • Google Cloud Run 	<ul style="list-style-type: none"> • Maintenance (debugging) • Further development
Tatamee (custom CMS)	<ul style="list-style-type: none"> • Multi website management with same template • Multi language • Dynamic landing pages management • Media and files management • Mailchimp API integration • PostgreSQL database • Angular Frontend 	<ul style="list-style-type: none"> • Maintenance (debugging) • Further development

³ Cf. PEFC Label generator V1, [<https://label.pefc.org/label-generator/login>]

⁴ Cf. PEFC Label generator V2, [<https://labelgenerator.pefc.org/>]

	<ul style="list-style-type: none">• Docker	
Websites (> 10)	<ul style="list-style-type: none">• PHP (Laminas framework / Tatamee)• Angular frontend	<ul style="list-style-type: none">• Maintenance (debugging)• Further development

The architecture is split into different parts.

Backend

There is a common backend base including a CMS, websites frontends, APIs for front webapps with a central database.

Websites

The websites are rendered as Laminas Views with a Webpack compiled front.

Dynamic image rendering / CDN

A micro NodeJS service running on Google Cloud Run is responsible for generating all images dynamically.

CMS webapp

Angular 10 webapp / Docker compose.

Label Generator v2 webapp

Angular 12 / Docker compose.

Label Generator v2 render engine

A micro Linux/NodeJS service running on Google Cloud Run is responsible for generating the labels (previews + zips).

7. Technical skills requirements

This section presents an overview of the technical skill requirements. Proposals that do not fulfil all the requirements will not be considered. PEFC relies on a proactive approach from the supplier. Generally speaking, the supplier will be involved in the design and development of product features as well as ongoing improvements of the system.

Skill requirements	
Programming languages	<ul style="list-style-type: none"> • PHP (v7, v8) • Javascript • Typescript • Bash scripting • Java
Apps/Frameworks	<ul style="list-style-type: none"> • Laminas (former Zend framework) • Angular 12+ • NodeJS • Bootstrap
DevOps	<ul style="list-style-type: none"> • Bash scripting • Git / GitHub • Docker + DockerHub • Kubernetes • Google Cloud: AppEngine, Compute Engine, CloudRun, Postgres, Networking (Load balancing, DDoS), Cloud Storage (public & private) • Jelastic Cloud: Kubernetes Cluster administration
Operating System	Linux