

Job offer

Scientific programmer for the KBR Virtual Lab project

For the sake of readability, our job descriptions are only in masculine. All positions are equally open to both women and men.

Number of vacancies:	1	Language:	NL & FR
Reference:	KBR-2022 -07	Level :	SW1

Content of the function

As a scientific programmer of the KBR Virtual Lab you are responsible for the implementation of a "data on demand " infrastructure.

With the KBR Virtual Lab, KBR aims to develop an infrastructure that offers data-on-demand services to the public and researchers. This service will allow the user to generate a corpus themselves from available data. You will think along with the organization about how collections can be made available to users as data and how data-on-demand services can be integrated to automate the composition of data corpora.

In practice, this means that you work on the technical and practical development of authentication and authorization for users. You will implement APIs that allow querying the database and exporting corpora. You do this in consultation with BELNET.

By making the collections available as data, KBR facilitates (Digital) Humanities research on its cultural heritage collections. Digital infrastructure such as this offers the possibility to facilitate access to and use of these collections.

By developing this infrastructure, KBR also provides researchers access to its collections in the form of "collections as data". In this way, the KBR Virtual Lab contributes to the DARIAH network- Digital Research Infrastructure for the Arts and Humanities and the Open Data guideline.

This function is a cross-departmental function where you work within the Department Contemporary Collections, sub-unit Research & Innovation within the Digital Research Lab, and in close collaboration with the ICT department.

Your position:

As a scientific programmer

- You have software development skills and working knowledge of web technologies (PHP, JavaScript , REST API, etc.);
- You have experience with managing operating systems (Linux, Windows) and databases;
- You have any experience with IT Service Management.

As a project employee

- You take an active part in the work meetings;
- You work closely with the colleagues involved within KBR and with BELNET.

More information about the position?

Prof. dr. Julie M. Birkholz,
Lead of KBR .'s Digital Research Lab
Phone: +32 (0)2 519.53.93
Email: julie.birkholz@kbr.be

CONTEXT OF THE FUNCTION

The project

This position is part of the **ESFRI program** of BELSPO. The European Strategy Forum for Research Infrastructures (ESFRI) is intended as a strategic tool to develop Europe's scientific integration and increase its international reach. The mission of the ESFRI is to support a coherent and strategic approach to research infrastructure policy-making in Europe and to facilitate multilateral initiatives leading to better use and development of research infrastructures, at EU and international level.

The KBR Virtual Lab project is part of the Research & Innovation department and falls under the Digital Research Lab, working in close collaboration with the ICT department. Prof. dr. Dr Julie M. Birkholz is the project coordinator.

The employer

KBR, located on the Mont des Arts in Brussels, is one of ten Belgian federal scientific institutions. As a national scientific library, KBR brings together all Belgian publications. It preserves, manages and studies an extensive body of cultural and historical heritage. KBR also makes information easily accessible to the public, stimulates scientific research and proposes original cultural experiences. As a meeting place between people and knowledge, KBR also shares its heritage with the whole world.

<http://www.kbr.be/nl>

Want to know more? Visit our website and our vacancies page:

- [https://www.selor.be/nl/werken-bij-de-federale-overheid/welke-overheidsdiensten/koninklijke-bibliotheek-van-belgi%C3%AB-\(kbr\)](https://www.selor.be/nl/werken-bij-de-federale-overheid/welke-overheidsdiensten/koninklijke-bibliotheek-van-belgi%C3%AB-(kbr))
- <http://www.kbr.be/nl>

PROFILE

Generic Competences:

- You have the commitment, the will and the ambition to achieve results and to take responsibility for the correctness of actions taken (achieving objectives);
- You can show, transfer and share knowledge, insights and working methods (sharing knowledge and information);
- You actively plan and manage your own growth in function of your possibilities, interests and ambitions by critically questioning your own functioning and continuously acquiring new insights, skills and knowledge (self-development).

Technical competences:

- You have software development skills and practical knowledge of web technologies (PHP, JavaScript , REST API, Symfony framework , etc.);
- You have experience in designing and developing databases;
- You have experience with search technology and configuration: SQL, Elasticsearch, Solr , etc.
- You have experience with Linux and Windows servers.

The technical competences are considered particularly important for the job. If your technical competences don't respond to the requirements of the job, you cannot pass the selection and as a consequence you will not be on the list of laureates.

Assets:

- You have experience in the library sector;
- You have experience with project management;
- You have experience with scientific research;
- You have knowledge of French &/or Dutch as you will be working in a bilingual environment.

TERMS AND CONDITIONS**Experience**

No experience is required.

Diploma

You obtained a master's degree (or equivalent) in Computer Science, Computer Science or Engineering.

You can also participate in the selection if you hold a diploma that you previously obtained and that is equated with the above-mentioned diplomas.

When assessing a foreign (non-EU) diploma, an equivalence certificate may still have to be requested from [NARIC](#); we recommend that you – if necessary – start the recognition procedure at NARIC as soon as possible. You must have this recognition no later than the date of appointment.

WE OFFER

You will receive a full-time employment contract (38 hours per week) of a fixed term, i.e. three years, as a scientific staff member.

Work schedule

From Monday to Friday, 8:06 a.m. (including a 30-minute compulsory break) to work between 7 a.m. and 6 p.m.

Compensation

- €38 093.08 (indexed annual gross starting salary) – Scale SW10.
- €45,057.08 (indexed annual gross initial salary) – SW11 scale (after two years of scientific seniority).

Salary Simulator: What do you earn in the federal government:

http://fedweb.belgium.be/nl/verloning_en_voordeel/wedde/calculator

Advantages

- Reimbursement of commuting costs if public transport is used.
- Possibility to recuperate any overtime.
- Easily accessible by public transport (near Central Station).
- Possibility to acquire a bilingual premium.
- 26 days of leave per year.
- The use of multiple languages in a multicultural environment.
- A pleasant workplace in a historic building with a terrace and garden.

- Free entrance to the Brussels federal museums.

You will find all information and benefits related to working for the federal government on FedWeb (www.fedweb.be), the portal site for federal civil servants.

SELECTION PROCEDURE

Send your curriculum vitae, a motivation letter and a proposal in Dutch, French or English on how you would propose to develop a platform that brings together one or more of KBR catalog with the APIs of Europeana to find documents about Brussels at the latest at 04/09/2022 by e-mail to the address hr@kbr.be, stating the reference KBR-2022-07. The proposal can be written and either with diagrams, code or mock-ups.

- KBR catalogues: General catalogue: <https://opac.kbr.be>; Digital library: <https://belgica.kbr.be>; BelgicaPress : <https://www.belgicapress.be>; BelgicaPeriodicals : <https://www.belgicaperiodicals.be>;

- Standard protocols to retrieve metadata from the general catalog of KBR (note: these protocols are not mandatory for the proposal): 1) OAI-PMH (base url: <https://opac.kbr.be/oaiserver.ashx>) and Z39 .50 (example link: <https://opac.kbr.be/ils/Z3950QueryHandler.ashx/select?databaseName=EXPLOITATION-BIB-MARC21-nl-BE&area=BIB&syntax=marc21&lang=nl-BE&defType=lucene&rows=5000&q=KBRI:15052549>);

- Europeana APIs: <https://pro.europeana.eu/page/apis>.

If we receive more than 3 candidatures that meet the participation conditions, a first selection of CVs will be made. The eligible candidates will be invited for an interview on 19/09/2022. The purpose of this oral test is to assess your motivation and affinity with the position, as well as your technical and generic competences.

More information about the selection procedure?

Anneleen Wellens, HR manager
02/519.53.04
anneleen.wellens@kbr.be

Report

After receiving your result for a selection test, you can request a written report within 3 months.

Trade union representation

A trade union representative can be present at every selection organized by KBR. The union representatives are bound by a duty of discretion regarding confidential information and documents.

Candidates with a disability, learning disability or illness

As a person with a disability, learning disability or illness you can:

- request reasonable adjustments to the selection procedure;
- ask for advice on adapting to your workplace.