



# JOB OFFER

---

BIRA-IASB is looking for:

## Computer scientist for space projects (m/f)

---

**Deadline for applications: This vacancy remains open for applications until a suitable candidate is found**

### Assignment, division & context

The Space Weather group within the Space Physics division aims to develop services related to conditions in the near-Earth space environment (radiation belts, cosmic radiation, magnetosphere, ...) and its effects on both technology (in space and on the ground) and human health related activities. ESA's SPace ENVironment Information System (SPENVIS, [www.spennis.oma.be](http://www.spennis.oma.be)) is an example of such a service developed and maintained by the Space Weather group. The users include aerospace engineers, satellite operators, airline operators and also the general public. Within the framework of the Space Situational Awareness Programme (SSA) of the European Space Agency (ESA), the Space Weather group is responsible for coordinating/operating the Space Radiation Expert Service Centre (R-ESC) and the SSA Space Weather Coordination Centre (SSCC).

More information can be found on the websites  
<http://www.aeronomie.be/en/services/spaceweather.htm> and  
<http://swe.ssa.esa.int>.

### Job description

The team from the Space Weather group consists of eight employees, both physicists and IT specialists. You are responsible for the IT support; you will be very closely involved in space related projects, for example on behalf of ESA.

- You maintain existing applications (SPENVIS, COMESEP, ...).
- You provide technical support for the R-ESC and SSCC.
- You work closely with the IT department of the Institute.

### More about BIRA-IASB

The Royal Belgian Institute for Space Aeronomy (BIRA-IASB) is a Belgian Federal Scientific Institute. Since its founding in 1964, BIRA-IASB has been conducting research and providing public services in space aeronomy, i.e. the physics and chemistry of Earth's atmosphere and other planets, and outer space.

Our scientists use instruments on the ground, in the air, on board balloons or in space and computer models.

[www.aeronomie.be](http://www.aeronomie.be)

## Qualifications

Candidates must have obtained a master's degree in information technology, computer science or electronics.

### **Required competences:**

#### *Behaviour-oriented competences*

- You make connections between different data, generate alternatives and draw conclusive conclusions.
- You make decisions on the basis of (un) complete information and take targeted actions to implement these decisions.
- You create and promote the group spirit by sharing your opinions and ideas and by contributing to the resolution of conflicts between colleagues.
- You supervise internal and external clients in a transparent, honest and objective manner, provide them with a personal service and maintain constructive contacts.
- You act with integrity, in accordance with the expectations of the organization, respect confidentiality, make commitments and avoid any form of bias.
- You plan and manage your own growth according to your possibilities, interests and ambitions by critically questioning your own performance and by continuously familiarizing yourself with new insights, skills and knowledge.
- You have the commitment, the will and the ambition to achieve results and take responsibility for the correctness of actions taken.
- You deal purposefully with stress by keeping your own emotions under control.

#### *Technical competences*

- You have a good knowledge of Python, MySQL and Apache.
- You have basic knowledge of PHP and Java.
- You have good knowledge of web services (XML, SOAP, WSDL).
- You have good knowledge of Linux and Windows.

#### *Not required, but considered as an asset*

- Interest in the physics behind space weather.
- A good knowledge of French and/or Dutch as you will work in a bilingual environment.
- Knowledge of general office automation applications such as Word and PowerPoint.

## We offer

- this position concerns a full-time 1-year contract with the option of extension;
- when recording seniority, every experience (public + private sector) related to the job offered is valorised;
- possibility of acquiring a bilingualism bonus;
- possibility of participating in training courses (to be followed during working hours);
- free commuting with public transport;
- various social and cultural benefits: museum card, hospitalization insurance, discounts via Fed + card, ...;
- possibility for a bicycle allowance;
- company restaurant with hot meals at reasonable prices;
- free child care during school holidays (July / August);
- flexible working hours in a 38-hour week;
- working in a green and pleasant environment;
- interesting leave arrangement and various possibilities to balance the work-life balance.

## Procedure

After evaluating the submitted applications, the selected candidates will be invited for an interview. Candidates whose diploma is not awarded in Belgium must submit a NARIC certificate of equivalence. If the equivalence certificate has not yet been obtained, the application must at least have been initiated at the time of application.

More information about the equivalence certificate can be found on the website: [www.enic-naric.net/index.aspx?c=Belgium](http://www.enic-naric.net/index.aspx?c=Belgium)

For additional information please contact Mr. Stijn Calders via [stijn.calders@aeronomie.be](mailto:stijn.calders@aeronomie.be) or + 32- (0) 2-37 30 419



## Interested?

Send your application letter to:  
[stijn.calders@aeronomie.be](mailto:stijn.calders@aeronomie.be) with [hr-ae@aeronomie.be](mailto:hr-ae@aeronomie.be) in copy  
with the following reference "D14\_SW\_SPACEWEATHER"