Nantes Université hires

For the projects CarboNium and CABESTAN, of the PEPR program FairCarboN

A research assistant in biometeorology

43,000
students, including more than 5,000 international students

4,600
administrative and technical staff

3,257
teachers, teacher-researchers

1,500
nearly 1,500 doctoral students

42
research structures

Nantes Université is a public institution of higher education and research which proposes **a unique model of university** in France, uniting a university, a university hospital (CHU de Nantes), a technological research institute (IRT Jules Verne), a national research organisation (Inserm) and three « grandes écoles » (Centrale Nantes, Ecole des Beaux-Arts Nantes Saint-Nazaire, Ecole d'Architecture de Nantes).

These players are joining forces to **develop the excellence of Nantes' research** and to offer **new training opportunities** in all fields of knowledge.

Sustainable and **open to the world**, Nantes Université ensures that its students and staff have the best study, research and working conditions for their on-going professional development on all Nantes Université's campuses, in Nantes, Saint-Nazaire and La Roche-sur-Yon.

- ***Type: State Civil Service***
- ***Type of recruitment: Category A, 2 years fixed-term contract, renewable*** *(Article L332-2,3. of the "Code de la Fonction Publique"))*
- ***Compensation: according to the Nantes Université contractual management charter, and according to the candidate's level of experience :*** 1738 € net monthly (2162€ gross) without experience and 2437€ net (3455 € gross) more than 15 years of experience.

- ***Working time: 37h15***
- ***Leave: 45 days of annual leave***
- ***Telework according to seniority***
- ***Partial reimbursement of home-to-work transport costs (public transport)***
- ***Access to CROUS restaurants and cafeterias at preferential rates***

Working environment and context

- ***Location: Nantes Université, Campus Science et Technologie, Laboratory ISOMer (Institut Des Substances et Organismes de la Mer - UR 2160)***

As part of the PEPR (Priority Research Projects and Equipment) exploratory program FairCarboN (Carbon in continental ecosystems: levers and trajectories for carbon neutrality), Nantes Université

is recruiting a full-time research assistant in biometeorology (CO_2 and CH_4 fluxes at interfaces) for a 24 months contract, starting Septembre, 2026.

The person recruited will report to Vona MELEDER, Professor of Marine Biology at Nantes Université, ISOMer laboratory, and will be involved in the "CarboNium" (CarboN dynamic in the terrestrial-aquatic continuum) and “CABESTAN” (The carbon cycle at the land-sea interface in the context of tidal zones and wetlands of the Atlantic and Channel coasts) projects.

The CarboNium and CABESTAN projects of the PEPR FairCarboN program aims to contribute to a better understanding of the carbon cycle at the interface of terrestrial and aquatic ecosystems (freshwater ecosystems, wetlands), at the interface between continental surfaces and oceans (coastal ecosystems, estuaries), and along river systems ensuring the land-ocean continuum. A better quantification of the fluxes and knowledge of the dynamics of carbon in aquatic ecosystems is essential for the establishment of carbon balances and to constrain GHG (Greenhouse Gas) emissions from continental surfaces. In this context, CarboNium will meet the following objectives: (1) Synthesize data on carbon fluxes and stocks in the terrestrial aquatic continuum from French infrastructure observatories, (2) Densify observations of fluxes (including high-frequency instrumentation) and carbon stocks from French infrastructure observatories, (3) Unify the protocols used by the French community to study the carbon cycle in the terrestrial aquatic continuum, (4) Propose a community modeling open platform for the carbon cycle in the Land-Sea continuum. CABESTAN has the objectives to assess 1/ How do C uptake and recycling processes at tidal, diurnal and seasonal scales affect long-term C sequestration? 2/ How do C dynamics evolve in the saline gradient, from the intertidal zone to the backshore marshes? 3/ Do eutrophication gradients translate into a C sequestration gradient? 4/ Are the most productive substrates those that sequester the most C? 5/ How do climate and tidal forcing drivers the C cycle?

Missions

The person recruited will provide technical and analytical support for the development and coordination of a network of flux towers measuring greenhouse gas exchanges (CO_2 and CH_4) between coastal ecosystems and the atmosphere. In particular, the person recruited will have in charge the curation and the analyse of the data from four flux towers in temperate zones: one in the Mediterranean (Tour du Valat) and three on the Atlantic coast (2 in Loire estuary and one in Pertuis Charentais). She.he will also help to analyse the data from flux towers based in Spain (Cadiz bay), Belgium (Scheldt estuary) and New Caledonia (mangrove). The person recruited will be based in Nantes.

Main activities

The person recruited will have to implement:

- Curation and processing of data from the Atlantic flux towers (Loire estuary and Pertuis Charentais), and secondarily, the Mediterranean flux tower (Tour du Valat), and integrate the data from Spain, Belgium and New Caledonia
- Management and maintenance of the Atlantic flux towers (Loire estuary and Pertuis Charentais), and secondarily, the Mediterranean flux tower (Tour du Valat).

Profile required

- Education and/or qualification: **M.Sc or PhD with specialization in biogeochemistry and/or biometeorology**
- Previous experience welcome for the position: **3 to 5 years**

Position open to agents likely to take advantage of a legal priority in accordance with the provisions of article 60 of the law of January 11, 1984 on statutory provisions relating to the State civil service (on presentation of proof).

Application deadline:	Date of the commission:	Prefered starting date:
8/07/2026	week 29	1/09/2026

Skills and knowledge required

General, theoretical or disciplinary knowledge

- Knowledge of the French and European scientific research field and its operation
- English (fluent)

Operational skills:

- Ability to handle different types of equipment in biometeorology
- Ability to analyse biometeorology and biochemistry data.

Soft skills:

- Ability to adapt: collaboration with a wide variety of partners
- Rigour and methodology
- Ability to summarise
- Ability to work in a team
- Autonomy
- Ability to take steps

Contacts:

Contact person for further information on the position: Vona MELEDER vona.meleder@univ-nantes.fr

Please send your application (CV + mandatory covering letter) exclusively by e-mail to *pole-sante.recrutement@univ-nantes.fr*

Advice for the candidates:

… Do not hesitate to consult the website of

Nantes Université

ISOMer laboratory

PEPR FairCarboN program