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| <b>Position:</b> Science Associate Air Quality | <b>Start:</b> As soon as possible   |
|  | <b>Application deadline:</b> 29 May |
|  | <b>Type of contract:</b> Open-ended |

**Who are we?**

Concawe is the science division of an international non-profit association (European Petroleum Refiners Association aisbl) whose mission is to provide research & technical support to the EU downstream oil refining industry. Its aim is to improve the understanding of the environmental, health and safety impacts originating from the refining of crude oil and the distribution & use of petroleum products by the industry, authorities, users and other interested parties. In addition to the studies developed by its staff, Concawe also undertakes research in partnership with universities, research institutes and expert consultants.

The Association represents the interests of 38 private Companies operating petroleum refineries in the EU. Members account for almost 95% of EU petroleum refining capacity and more than 75% of EU motor fuel retail sales.

**What do we offer?**

- Individual Training program, technology and professional skills development
- Responsibility and autonomy in your area of expertise
- A global view and concrete involvement on industry and societal challenges
- International and dynamic multicultural environment
- Competitive salary package complemented with fringe benefits
- Enhanced work life balance (working from home, sliding working hours system etc.)

**What do we expect from you?**

The role of the Science Associate Air Quality combines general duties with responsibilities specific to Concawe’s Air Quality program and research projects in the areas related to air pollutant emissions, atmospheric modelling, and refining environmental impact.

**General duties**

Support the development and implementation of the annual technical research plan as agreed with the Air Quality Management Group (AQMG) and the Concawe Director.

Support Science Executive in:

Tracking and managing technical risks in the area of air quality and air emissions.

Initiating tenders, support contractor selection, assist in contract preparation, and monitor technical progress of approved projects.

Contributing to the drafting, review and quality assurance of Concawe technical reports, briefing papers and presentations. Coordinate Member Company expert participation in Special Task Forces (STFs) and technical working groups.

Collaboratively develop the scope, review proposals and manage projects (including cost control) related to the specific research areas.

Represent Concawe, as appropriate, in technical meetings, conferences and stakeholder fora, and report outcomes internally.

Cooperate with other Concawe groups (e.g. Water, Soil & Waste; Fuels Quality & Emissions; Health) on cross-cutting topics. Comply with and ensure implementation of the governance rules of the Association.

**Key Responsibilities**

**Scientific & Technical Expertise**

Define, implement and coordinate air quality research projects (e.g., emissions, dispersion modelling, exposure assessment), in collaboration with the Science Executive Air Quality and Member Company experts and representatives part of AQMG and associated expert subgroups/task forces.

Develop the scope, review proposals and manage the execution of out-sourced research projects.

Liaise with external consultants in the development and implementation of scientific projects/research programmes.

Request quotations from third party contract research organizations.

Assist in writing and editing of Concawe technical reports, briefing papers, articles, scientific manuscripts etc., on topics related to the field of activity.

Maintain and apply an extensive technical understanding of refinery processes and units and their associated air pollutant emissions.

Develop and apply in-depth knowledge of industrial air emission sources and pollutant pathways in order to interpret datasets and link processes to emissions.

Provide technical input on emission determination, monitoring approaches, reporting methodologies and associated uncertainties.

Understand and critically review refinery air emissions data and analyses used for studies, benchmarking and policy support.

### **Project Management**

Support the management of externally contracted research studies, including review of technical scopes, proposals and deliverables.

Track project progress against agreed timelines, deliverables and budgets, ensuring outputs are technically robust and aligned with Concawe priorities.

Act as a technical interface between external contractors, Member Company experts and internal teams, supporting alignment of assumptions and timely resolution of technical issues.

Contribute to the interpretation and integration of project results into AQMG activities, Special Task Forces and cross-group workstreams.

### **Air quality and integrated assessment**

Demonstrate a good understanding of ambient air quality, including monitoring, modelling and assessment approaches.

Support work involving air quality modelling and integrated assessment, including understanding of models such as LOTOS-EUROS, EMEP, SHERPA, GAINS or similar frameworks.

Link ambient air quality outcomes with industrial emission sources to support integrated technical analyses and policy discussions.

### **Regulatory, Policy & Stakeholder Support**

Monitor and interpret EU environmental legislation and guidance relevant to air emissions and air quality (including IED, Refining BREF/BAT Conclusions and AAQD) and translate developments into technical implications for refinery emissions and reporting.

Provide scientific and technical input to support the Association's advocacy on air quality-related regulatory initiatives.

Prepare technical briefings, background analyses and presentations to inform internal discussions, consultations and stakeholder engagement.

Engage with Member Company experts, consultants and other stakeholders to support evidence-based dialogue on air quality and air emissions issues.

### **Data Analyses & IT**

Perform and review emissions and air quality data analyses, including trend assessment, scenario comparisons and data quality checks.

Demonstrate strong ability to understand complex datasets and ensure transparency and traceability of analyses.

- Apply advanced Microsoft Excel skills for data handling, analysis and visualisation; familiarity with additional analytical tools is an advantage.

### **What is your professional profile?**

## Education

- Master's degree (PhD preferred) in environmental science or engineering, atmospheric science or chemistry, chemical engineering, or a closely related field. The ideal candidate should demonstrate five years working or equivalent experience in the (or related) industry.

## Key Competencies

- Strong analytical and problem-solving skills
- Ability to translate complex science into clear messages for diverse audiences
- Good organisational and coordination skills, with the ability to manage multiple topics in parallel.
- Excellent written and spoken English
- Team-oriented with ability to work effectively in a multicultural environment

## Experience

- Strong technical background in industrial air emissions, with particular emphasis on understanding refinery processes and associated pollutants.
- Extensive experience with emissions inventories, emissions analyses and interpretation of industrial emissions data.
- Good understanding of ambient air quality, air quality modelling and integrated assessment approaches; familiarity with tools such as LOTOS-EUROS, EMEP, SHERPA, GAINS is an asset.
- Advanced IT skills, with expert-level Microsoft Excel for data analysis, quality checks, aggregation and visualisation; confidence working with large and complex datasets
- Experience working in multi-stakeholder technical environments involving industry experts, consultants and policy-oriented discussions.

## What is your report line? Reports to the Science Executive Air Quality

To apply, please send your CV and motivation letter to: [recruitment@concawe.eu](mailto:recruitment@concawe.eu) mentioning "Concawe Science Associate AQ" in the subject of your e-mail.

*By applying for this vacancy, you agree that we use your personal data for recruitment purposes only.  
All your private information will be deleted from our files after the recruitment process.*