



SPONTANEOUS APPLICATION

Life cycle assessment analyst / sustainability expert

Are you trained in engineering or environmental science, with a knowledge of and passion for the major sustainability issues facing our society? Do you strive for excellence and are you motivated to join a dynamic team that conducts studies and develops sustainability measurement tools/metrics for the private and public sectors and civil society, with a strong focus on life cycle assessment of products and services? Your profile may be of interest to us!


The CIRAIG is a world-renowned research centre with scientific research and applied research experience in partnership with industry and governments. We strive for excellence in our work and cultivate a dynamic work environment characterized by collegiality, respect and multidisciplinary. Our team is diverse, both in terms of occupations (professors, researchers, graduate students and analysts) and skills (engineering, management, social sciences, etc.) and the mandates carried out by our analysts cover a variety of sectors and topics. We're also proud of the working environment we've built up over time, where caring, our shared humanist and environmentalist values and our predisposition to celebrate when it's time to do so are at the forefront.

Job description

The CIRAIG is located at Polytechnique Montréal campus (Canada) and at the EPFL and the HES-SO Valais Wallis Energypolis campus in Sion (Switzerland). The analyst will carry out life cycle assessment projects applied to various sectors, material and energy flow analysis and development of databases, tools and metrics applied to various industrial sectors and problematics through research projects, industrial and governmental contracts, etc. to support our partners in their sustainability efforts.

Responsibilities

- Conduct projects such as: environmental or social life cycle assessment, technical-economic analysis, material and energy balances, circularity analysis, eco-design support, literature review, development of data, metrics and bespoke environmental assessment tools, critical reviews, ...
- Modelling and analysing the life cycle of different products and services
- Participate in university or professional training courses
- Write deliverables (presentations or reports) in a format adapted to the needs of public and private customers/partners
- Participate in the intellectual life of the CIRAIG, which benefits from its anchorage in the academic world

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- For senior analyst positions :
 - Take charge of project management and personalised follow-up of CIRAIG's public and private clients/partners
 - Act as a technical expert when carrying out studies and participate in the technical and quality control process.

Skills and qualities required:

- Theoretical and practical knowledge of environmental life cycle assessment
- Theoretical and practical knowledge of social life cycle assessment (an asset)
- Applied knowledge of LCA modeling software (SimaPro, openLCA, GaBi, Brightway) and LCI and EEIO databases (ecoinvent, ...) is an asset
- Ability to adapt, learn and interest in taking on new subjects and issues
- Ability to work independently: organization, priority management, sense of initiative, ... but also to interact as part of a team to mobilize the required expertise
- Excellent critical thinking and synthesis skills
- Good interpersonal and communication skills
- Proficiency in the Office suite (particularly Excel; proficiency in VBA is an asset)
- Excellent command of spoken and written English (presentations and technical reports can be made in both languages) with a good knowledge of French or interest in acquiring a level suited to the professional setting
- Applied knowledge of programming (particularly in the Python language) and optimization is an asset.
- Knowledge of and interest in energy systems modeling (an asset)
- Ability to develop projects with multiple partners, both on technical and human sides (for the Senior Analyst position in Switzerland).

Eligibility criteria:

- Bachelor's or Master's degree (or any postgraduate degree) in engineering and/or environmental science and/or sustainable development
- Knowledge and experience in environmental life cycle assessment and sustainability assessment tools
- Experience with LCA: 2 years minimum for an analyst position, 5 years and more for a senior analyst position





About CIRAIG

The International Reference Centre for the Life Cycle of Products, Processes and Services (CIRAIG) is a research group and centre of expertise on sustainable development and life cycle thinking. Through cutting-edge research, expert services, and education, the CIRAIG aims to define and implement sustainability metrics.

The CIRAIG brings together the expertise of two universities in Montreal, Canada: Polytechnique Montreal and ESG-UQAM, and two Swiss universities located on the Energypolis Campus in Sion: HES-SO and EPFL.

Get a look at www.ciraig.org

To submit your application

Please send your curriculum vitae and a letter of motivation to the following link: <https://airtable.com/appPJQWMUSy3gHJgl/shro7VzpkHBAdIEbj>

When applying, please specify whether you apply for a position in Canada, Switzerland or both.

We strongly encourage applications from under-represented groups in STEM.

