

Christian Leroy (leroy@metalsustainability.eu)
Senior consultant in Sustainability & Innovation

Born 26-03-1968, Belgian, Married, 2 children, Mobile: +32 478 45 90 16

Since Jan 2014: Manager and founder of “Metals Sustainability Consulting” SPRL



Three main consulting areas in 2021



1) Innovation Hub (since 2015– about 60% of occupation)

Title/function: **Head of Innovation Hub (since 1 July 2021)**

Development and management of the [Innovation Hub](#) facilitating the connection between the European Aluminium Industry and the EU innovation agenda and funding opportunities.

The Innovation Hub enables the development of collaborative project for its members and joins project proposals submitted to the EU Horizon 2020 or the new EU Horizon Europe framework. Until now, the Innovation hub is involved in six H2020 projects:

- [RemovAL](#) - Turning Bauxite residue into resources (start in May 2018)
- [AISiCal](#) - Looking at alternative routes to produce alumina (start in Sept 2019)
- [CORALIS](#) - Making Industrial Symbiosis a business case (start in Oct 2020)
- [ReActiv](#) - Bauxite residue as an active material for low-carbon cement (start in Nov 2020)
- [METABUILDING LABS](#) - Open Innovation Test Beds for European construction SMEs (start in Jan 2021)
- [SALEMA](#) - Substitution of Critical Raw Materials on Aluminium Alloys for electrical vehicles (start in May 2021)

2) LCA & Sustainability consultancy (since 2014 - about 20% of occupation)

- Consultancy support to the **Building group** for

- Product-related sustainability and LCA activities
- Developing the [Environmental Product Declarations \(EPD\) Programme](#) of European Aluminium including its update according to EN15804
- the development of the EPD-data software and EPDs for its members

- Consultancy support to European Aluminium on **Life Cycle Assessment** for:

- Organising environmental surveys among member companies and coordinating the development of the LCI datasets and environmental profile report for the European Aluminium industry
- Monitoring and contributing to EU product environmental policies, e.g. Product Environmental Footprint (PEF) or Methodology for the Eco-design of Energy-related Products (MEErP)
- Defining methods and principles for the Calculation of carbon footprint of aluminium products made of recycled aluminium

- Consultancy support to the **Packaging group** for

- Monitoring and advocating in PEF initiative for the end of life recycling LCA methodology and for the use of appropriate datasets and parameters for aluminium packaging



3) Manager and co-founder of the METALS FOR BUILDINGS alliance (since 2011, about 20% of occupation)

Coordination and management of the alliance on a daily basis

Development of communication tools (e.g. website) and position papers

Coordination of the metal contribution within various stakeholder groups:

- Active contribution in CEN TC 350 “Sustainability of construction works through an intense participation in WG3 (products) and WG1 (Building) and a monitoring of the TG framework and WG5 (Social).
- Active participation in “Construction Products Europe” (CPE) activities, especially through the sustainability WG

Main past activities as consultant

2014 -2016	Technical support to Eurometaux for the PEF pilot project on metal sheet
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Main past activities as employee

1999-2013	Manager at European Aluminium
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2007-2013	Manager Sustainability & LCA – Building & Transport
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- Coordinating product-related sustainability and LCA activities through the EAA Automotive and Transport sustainability WG and via the EAA Building sustainability WG
- Coordinating Life cycle assessment (LCA) datasets development for the European Aluminium Industry

2003-2007	Manager Education, Technology and Life Cycle Assessment (LCA)
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- Development of “**Vision 2030**” (2005) defining the long term objectives of the European aluminium industry and the collaborative RTD priorities.
- Development of the **European Aluminium Technology Platform (EATP, 2004-2006)** aiming at communicating long term sustainability challenges and at coordinating pre-competitive RTD activities of the European aluminium industry,
- Coordination EATP working groups addressing various R&D needs along the aluminium value chain

1999-2002	Educational officer
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- Development of the multi-lingual web-based e-learning platform “**aluMATTER**” on aluminium science & technologies containing more than 1000 pages and 700 interactive animations. (about 1500 visitors/day)

Previous work and education

- 1999 -2006: **Invited Lecturer**, “Corrosion and protection of metals”, UCL, www.uclouvain.be, Belgium
- 1997 -1998: **Postdoc researcher** in composite electroplating, dept of Metallurgy and Material Engineering, KULeuven
- 1991 -1996: **Ph.D.** in Applied Science, Dept of process engineering, UCL, www.uclouvain.be, Belgium
- 1986 -1991: **Engineer in Chemistry (MSc)**, orientation: process engineering, UCL, Belgium