



**INVITATION : JEUDI 12 décembre 2024 à 12 h 30**



### UMICORE's approach to decarbonisation of complex metallurgical and chemical processes to manufacture low carbon footprint metals and products.

The role of these low carbon footprint materials in the energy transition.

Par Wouter GHYOOT ,Dr. Ir., VP UMICORE. Government Affairs

**Lieu : Château Sainte-Anne, rue du Vieux Moulin 103, 1060 Bruxelles.**

12 h Apéritif – 12h30 Salon du Prince : Repas – 13h30 Conférence suivie de questions/réponses

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### Abstract

Umicore is a circular materials technology company.

Practically it means that we equip precious and critical metals with functionality, mostly for clean mobility applications such as battery materials for electric vehicles and catalysts for clean air. We also recycle those metals so they can be put back into the loop for new use in the same applications.

Our business covers Battery Materials, Recycling, Catalysts and Specialty Materials. We have a global footprint with 44 production and 15 R&D sites, and employ 11500 people.

Umicore's programme called "Let's go for Zero" and which contains the pillars on Environment, Social and Governance (ESG) will be explained. An essential part of the ESG strategy relates to decarbonization. Umicore's ambition is to become Net Zero by 2035 in Scope 1 and 2 (defined hereafter) .

51 <b>SB</b> Antimony	33 <b>AS</b> Arsenic	83 <b>BI</b> Bismuth	58 <b>CE</b> Cerium	27 <b>CO</b> Cobalt	29 <b>CU</b> Copper	31 <b>GA</b> Gallium	32 <b>GE</b> Germanium	79 <b>AU</b> Gold	49 <b>IN</b> Indium	77 <b>IR</b> Iridium	57 <b>LA</b> Lanthanum	82 <b>PB</b> Lead	3 <b>LI</b> Lithium
25 <b>MN</b> Manganese	42 <b>MO</b> Molybdenum	60 <b>ND</b> Neodymium	28 <b>NI</b> Nickel	48 <b>PD</b> Palladium	78 <b>PT</b> Platinum	59 <b>PR</b> Praseodymium	45 <b>RH</b> Rhodium	44 <b>RU</b> Ruthenium	34 <b>SE</b> Selenium	47 <b>AG</b> Silver	73 <b>TA</b> Tantalum	52 <b>TE</b> Tellurium	50 <b>SN</b> Tin
74 <b>W</b> Tungsten													

This requires the decarbonization of manufacturing processes (Scope 1) and the decarbonization of the energy purchased (Scope 2). There is also a decarbonization strategy for the raw materials which are purchased from third parties (Scope 3). This decarbonization strategy will result in the manufacturing of low carbon products which are essential to Umicore's customers.

Given the complexity of the metallurgical and chemical processes, the decarbonization of Scope 1 requires a trajectory including research & development and piloting, and new approaches to manufacturing at large scale. This talk will also explain in what applications the products of Umicore are used and what the importance is of being able to offer low carbon products to the market.

The contribution of recycling to closing the loop and thus circularity of materials will be highlighted also in the context of contributing to decarbonization.



## Short biography of Dr.Ir. Wauter GHYOOT

Dr. ir. Wouter Ghyoot is Vice-President Government Affairs at Umicore with a global responsibility.

He holds a Master's degree in Environmental Engineering from the KUL, and a PhD in Environmental Engineering from the University of Gent. He held various positions within Umicore including Research & Development, sales, sustainability, regulatory affairs and stakeholder engagement.

Since 2022 he leads the Government Affairs department at Umicore and is based in Brussels, Belgium.

Umicore is a circular materials technology group with headquarters in Brussels, Belgium ([www.umicore.com](http://www.umicore.com)).

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