

# Metals Academy 2022 Programme



**From Wednesday 04 to Friday 06 May 2022**  
**Address: Priorij Corsendonk, Oud-Turnhout - Belgium**

### 3 May 2022 - Welcome

Welcome & informal get together from 19:30  
Followed by dinner

### 4 May 2022 - Day 1

*Chair: Violaine Verougstraete*

#### Welcome & Introduction

9:00 – 9:15

Outline of the 3-day programme  
Welcoming

*Violaine Verougstraete  
Guy Ethier*

### Module 1: Why we use metals, why they are essential for society?

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9:15 – 12:00

#### Coffee/Tea break during the morning session

Basic historical background, showing the importance of metals and their uses through the ages. Why we want and need to use metals today?  
General overview of terminology, definitions, and specific characteristics of metals and alloys, highlighting connections between metals, essential uses and key features for modern society (circularity, durability and technical function)

*Staf Laget*

#### Lunch & free time

12:00 – 14:00

### Module 2: Basics in metallurgy

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14:00 – 14:45

A general overview of main production, refining and recycling processes will be provided

*Sabina Grund*

#### Coffee/Tea break

#### Module 2: Basics in metallurgy (ctd)

15:00 – 17:00

On applications and markets, examples of present-day and future use trends, with attention to aspects like e.g. supply and demand of materials, urban mining, circularity, recycling

*Christian Hagelüken*

#### Evening Activity - Dinner

From 20:00

### 5 May 2022 - Day 2

*Chair: Staf Laget*

<b>Module 3: Basics in metals sustainability and lifecycle assessment</b>	
<b>Module 3/Part A: Economic and energy aspects</b>	<b>9:00 – 10:00</b>
Energy intensity of metals production, capital intensity, LME price setting, geographical aspects, metals value chains (global and EU), stocks and flows	<i>Mark Mistry</i>
<b>Module 3/Part B: Sustainability</b>	<b>10:00 – 10:45</b>
Relevancy in regulation, energy efficiency, resource efficiency, circularity, use phase benefits, metals contribution to sustainability, challenges	<i>Mark Mistry</i>
<b>Coffee/Tea break</b>	
<b>Module 3/Part C: Lifecycle Assessment</b>	<b>11:00 – 12:00</b>
What is LCA? Data used and results, benefits for the industry, limitations and concerns, examples from the current regulatory debate (e.g. batteries)	<i>Benedetta Nucci</i>
<b>Lunch &amp; free time</b>	<b>12:00 - 14:00</b>
<b>Module 4/Part 1: Metals risk assessment and advocacy</b>	
<b>Module 4/Part 1: Metals risk assessment and advocacy</b>	<b>14:00 – 15:15</b>
Workers' health management: standards and exposure, risk management, communication aspects to workforce	<i>Howard Winbow</i>
<b>Coffee/Tea break</b>	
<b>Module 4/Part 1: Metals risk assessment and advocacy(ctd)</b>	<b>15:30 – 17:00</b>
Man via the Environment, case “batteries”: technical aspects of risk assessment	<i>Frederik Verdonck</i>
<b>Evening Activity - Dinner</b>	<b>From 19:30 pm</b>

**6 May 2022 - Day 3***Chair: Mark Mistry***Module 4/Part 2: Metals risk assessment and advocacy**

<b>Module 4/Part 2: Metals risk assessment and advocacy</b>	<b>9:00 – 12:00</b>
Advocacy “old school”: basics	<i>Frank Van Assche</i>
Multi-metallic legislation issues: case “degradability”: history, technical aspects, lessons learnt, advocacy	<i>Katrien Delbeke</i>
<b>Coffee/Tea break</b>	
Abundance of precaution	<i>David Zaruk</i>
<b>Discussion</b>	<b>12.00-13:00</b>
General discussion on advocacy in an online world	<i>Group</i>
<b>Lunch</b>	<b>13:00 - 14:00</b>
<b>Conclusions</b>	<b>14:00 – 15:00</b>
General discussion and conclusions	<i>Group</i>
Closure of the Academy	
<b>Coffee/Tea</b>	<b>15:00 – 15:15</b>