

# Metals Academy 2023

## Basics & Advanced Programmes



Welcome: Tuesday 25 April 2023 (evening)  
Courses: Wednesday 26 to Friday 28 April 2023

## Tuesday 25 April 2023 – Welcome evening

<b>Welcome &amp; Introduction</b>	<b>19:00 – 22:00</b>
Welcome apéritif from 19:30 Dinner from 20:00 Followed by introductory activities	<i>All By Group</i>

## METALS ACADEMY BASICS (1) PROGRAMME

Plenièrè Room

## Wednesday 26 April 2023

*Chair: Frank Van Assche*

<b>Introduction</b>	<b>9:00 - 9:15</b>
<b>Module 1.1.: Why we use metals, why they are essential for society?</b>	<b>9:15 - 12:00</b>
<b>Coffee &amp; Tea break</b>	<b>10:30-10:45</b>
Basic historical background, showing the importance of metals and their uses throughout the ages. Why do 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)	<i>Staf Laget</i>
<b>Lunch break &amp; Free time</b>	<b>12:00 – 14:00</b>
<b>Module 1.2.: Basics in Metallurgy</b>	<b>14:00 – 17:00</b>
<b>Part A:</b> A general overview of main production, refining & recycling processes	<i>Mathias Chintinne</i>
<b>Coffee &amp; Tea break</b>	<b>15:15 – 15:30</b>
<b>Part B:</b> On applications & markets: examples of present-day and future use trends (energy) -taking into account a global dimension- with attention to aspects such as supply and demand of materials, urban mining, circularity, recycling.	<i>Christian Hagelüken</i>
<b>Free time</b>	<b>17:00 – 18:30</b>
<b>Evening Session</b>	<b>18:30 – 20:00</b>
<b>Bringing both groups together (Plenièrè Room)</b>	<i>Michele Galatola</i>

<b>Current and future role of LCA/PEF in EU Policies</b> Presentation given by Michele Galatola, Senior Policy Officer at the European Commission in Sustainable Business, Environmental Awareness, Sustainability Reporting, and Policy Analysis. Followed by discussion	
<b>Apéritif followed by dinner</b>	<b>20:00</b>
<b>Thursday 27 April 2023</b>	
<b>Chairs: AM: Violaine Verougstraete – PM: Mark Mistry</b>	
<b>Module 1.3.: Basics in metals sustainability and lifecycle assessment</b>	<b>9:00 – 12:00</b>
<b>Part A: Economic and Energy aspects</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>Part B: Sustainability</b> Growing relevance in regulation and other relevant stakeholder groups, energy efficiency, resource efficiency, circularity, use phase benefits, metals contribution to sustainability, challenges	<i>Mark Mistry</i>
<b>Coffee &amp; Tea break</b>	<b>10:30 – 10:45</b>
<b>Part C: Lifecycle Assessment</b> What is LCA? Data used and results, benefits for industry, limitations and concerns, examples from the current regulatory debate (e.g., batteries)	<i>Benedetta Nucci</i>
<b>Lunch break &amp; Free time</b>	<b>12:00 – 14:00</b>
<b>Module 1.4.: Metals Risk Assessment &amp; Risk Management</b>	<b>14:00 – 17:30</b>
Workers' health management: standards and exposure, risk management, communication aspects to workforce	<i>Howard Winbow</i>
Man via the Environment: technical aspects of Risk Assessment	<i>Katleen Debrouwere</i>
<b>Coffee &amp; Tea break</b>	<b>16:00 – 16:30</b>
<b>Bringing both groups together (Plenièrè Room)</b> What is remediation? History of a case	<i>Guy Ethier Lucia Buvé</i>
<b>Free time</b>	<b>17:30 – 20:00</b>

<b>Apéritif followed by dinner</b>	<b>20:00</b>
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<b>Friday 28 April 2023</b>	
<i>Chair: Staf Laget</i>	
<b>Module 1.5.: Basics of advocacy</b>	<b>9:00 – 12:00</b>
<p>Basic elements of communication and advocacy Strategy and timing, building a case, tailoring messages to audiences, communication tools and pitfalls, networking</p> <p>Learnings from case studies (site-related, sector-related) Introductions to the cases / Breakout Group discussions / Conclusions from the groups</p>	<p><i>Frank van Assche</i></p> <p><i>Katrien Delbeke</i> <i>Guy Ethier</i></p>
<b>Coffee &amp; Tea break</b>	<b>10:45 – 11:00</b>
Storytelling in advocacy: myths and strengths	<i>Heinrich Pecina</i>
<b>Lunch break</b>	<b>12:30 – 13:30</b>
<b>Closure of the Metals Academy 2023</b>	<b>13:30 – 15:00</b>
Wrap-up with general conclusions, first impressions & discussions (Q&As)	<i>Staf Laget</i>

## METALS ACADEMY ADVANCED (2) PROGRAMME

Étable(s) Room

<b>Wednesday 26 April 2023</b>	
<i>Chair: Violaine Verougstraete</i>	
<b>Introduction</b>	<b>9:00 – 9:15</b>
<b>Module 2.1.: Metal applications, products &amp; markets</b>	<b>9:15 – 12:00</b>
<b>Coffee &amp; Tea break</b>	<b>10:30 – 10:45</b>
<p>Introducing the global perspective:</p> <ul style="list-style-type: none"> <li>- Global markets and applications of metals</li> <li>- Global organisations and their remits</li> </ul>	<p><i>Christian Hagelüken</i> <i>Violaine Verougstraete</i></p>
<b>Lunch break &amp; Free time</b>	<b>12:00 – 14:00</b>
<b>Module 2.2.: Sustainability</b>	<b>14:00 – 17:00</b>
<b>Coffee &amp; Tea break</b>	<b>15:30 – 15:45</b>
Global Sustainability: SDG	

Responsible Sourcing, Due Diligence and carbon footprint Sustainability in view of Trade	<i>Mark Mistry</i>
Recap on Lifecycle Assessment as introduction to the evening session	
<b>Free time</b>	<b>17:00 – 18:30</b>
<b>Evening Session</b>	<b>18:30 – 20:00</b>
<b><i>Bringing both groups together (Plenièrè Room)</i></b>	
<b>Current and future role of LCA/PEF in EU Policies</b> Presentation given by Michele Galatola, Senior Policy Officer at the European Commission in Sustainable Business, Environmental Awareness, Sustainability Reporting, and Policy Analysis. Followed by discussion	<i>Michele Galatola</i>
<b>Apéritif followed by dinner</b>	<b>20:00</b>

<b>Thursday 27 April 2023</b>	
<i>Chair: Frank Van Assche</i>	
<b>Module 2.3.: Lifecycle Assessment</b>	<b>9:00 – 12:00</b>
<b>Coffee &amp; Tea break</b>	<b>10:30 – 10:45</b>
<b>LCA in practice:</b> How to derive conclusions and actions from LCA results? How to choose options? How to advise the management of your company or organisation or the politicians about the “best” option ?	<i>Staf Laget</i>
<b>Lunch break &amp; Free time</b>	<b>12:00 – 14:00</b>
<b>Module 2.4.: Socio-economic impacts</b>	<b>14:00 – 16:00</b>
Basics in SIA and SEA Willingness to Pay concept	<i>Hugo Waeterschoot</i>
<b>Coffee &amp; Tea break</b>	<b>16:00 – 16:30</b>
<b>Module 2.5.: Risk Management</b>	<b>16:30 – 17:30</b>
<b><i>Bringing both groups together (Plenièrè Room)</i></b>  What is remediation? History of a case	<i>Guy Ethier Lucia Buvé</i>
<b>Free time</b>	<b>17:30 – 20:00</b>

<b>Apéritif followed by dinner</b>	<b>20:00</b>
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<b>Friday 28 April 2023</b>	
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<i>Chair: Howard Winbow</i>	
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<b>Module 2.6: Advanced communication techniques</b>	<b>8:45 – 12:30</b>
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<b>Coffee &amp; Tea break</b>	<b>11:00 – 11:15</b>
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<p>Advanced techniques in communication, group relations and dynamics that may help in advocacy.</p> <p>Including an experiential learning activity: practical exercises in role playing, group relations work, in complex membership organisations and stakeholders' meetings.</p>	<i>Annalisa Bortoluzzi</i>
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<b>Lunch break</b>	<b>12:30 – 13:30</b>
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<b>Closure of the Metals Academy 2023</b>	<b>13:30 – 15:00</b>
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Wrap-up with general conclusions, first impressions & discussions (Q&As)	<i>Violaine Verougstraete</i>
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