

Program: CO₂ emissions and Energy efficiency

Day 1, Tuesday 20 September 2022	
08h30 – 09h00	Welcome Coffee
Session 1: General	
09h00 – 09h15	Introduction - L. Joncourt, Eramet Ideas
09h20 – 10h15	Market - A. D'harambure, International Manganese Institute
10h15 – 11h10	Mn fundamentals: Part I - Eli Ringdalen, Sintef
11h10 – 11h30	<i>Coffee break</i>
11h30 – 12h25	Mn fundamentals: Part II - G. Nussbaum, Eramet Ideas
12h25 – 14h00	<i>Lunch break</i>
Session 2: Reduction of CO ₂ emissions	
14h00 – 14h40	CO ₂ reduction program in Eramet - B. Ravary, Eramet Norway
14h40 – 15h20	PreMa project overview and results - Eli Ringdalen, Sintef
15h20 – 16h00	HSC Sim base case in PREMA - T. Larssen, Sintef
16h00 – 16h20	<i>Coffee break</i>
16h20 – 17h00	Thermal balance simulations/LCA – C. Wieszczyk, Metso:Outotec
17h00 – 17h40	Reduction of environmental impact and optimization of energy consumption – D. Gryshan, OFZ
Day 2, Wednesday 21 September 2022	
08h30 – 09h00	Welcome Coffee
Session 2 (continued): Reduction of CO ₂ emissions	
09h00 – 09h40	Improving Pre-reduction inside HCFeMn furnaces, A. Hecquet & A. Nigmatova, Eramet Ideas
09h40 – 10h20	Pre-heating Mintek Pilot - S. Moholwa, Mintek
10h20 – 11h00	CO ₂ capture and usage/energy recovery - C. Fleuriault, Eramet Norway
11h00 – 11h20	<i>Coffee break</i>
Session 3: Reduction of energy use and alternative sources	
11h20 – 12h00	Biocarbon – S. Yngve Larsen, Eramet Norway
12h00 – 12h40	Use of H ₂ /Alternative processes - T. Hitier, Eramet Ideas
12h40 – 14h00	<i>Lunch break</i>
14h00 – 14h40	Solar energy - D. Bezuidenhout, Mintek
Session 4: Conclusion	
14h40 – 16h40	Workshop: Realising pre-reduction in the industry – W. Bam, Associate Prof. Stellenbosch University
16h40 – 17h00	<i>Coffee break</i>
17h00 – 17h20	Concluding remarks