



CEASREF

Mid-Term Meeting

Agenda

Wednesday 22nd November 2023

TUW, Vienna, Austria



**Funded by
the European Union**

Part 1 - Introductions	
08h30 - 08h35 (5 minutes)	REA Project Officer & Project Coordinator - purpose of the meeting - <i>Domna PASCHALIDOU (Project officer European Commission)</i> - <i>Marc HUGER (Coordinator of the CESAREF project - IRCERs, Limoges)</i>
08h35 - 09h10 (35 minutes)	Tour de table
Part 2 - Mid-Term Meeting	
09h10 - 09h30 (20 minutes)	REA Project officer presentation : monitoring of project implementation, reporting and purpose of the mid-term check - <i>Domna PASCHALIDOU (Project officer European Commission)</i>
09h30 - 10h30 (60 minutes)	Coordinator's report : - <i>Marc HUGER (Coordinator of the CESAREF project - IRCERs, Limoges)</i> - <i>Elsa THUNE (WP5 Co-Leader - IRCERs, Limoges)</i> - <i>Thorsten TONNESEN (WP5 Co-Leader - RWTH, Aachen)</i> - <i>Sido SINNEMA (WP6 Co-Leader - Tata Steel Europe, IJmuiden)</i>
10h30 - 11h00 (30 minutes)	Coffee break
Part 3 - Doctoral Candidates presentations	
11h00 - 11h05 (5 minutes)	PhD01 - João MENEZES CUNHA Documenting the upstream of refractories manufacturing to support LCA
11h05 - 11h10 (5 minutes)	PhD02 - Sarah BADIOLI Comparison between production routes
11h10 - 11h15 (5 minutes)	PhD03 - MD JUBAYED Enhanced Value in Use of Refractories in Industrial systems, by developing Life Cycle Assessment methodologies
11h15 - 11h20 (5 minutes)	PhD04 - Mathilda DERENSY Use of metallurgical residues as potential raw materials for high performance refractory castables
11h20 - 11h25 (5 minutes)	PhD05 - Andrea SALERNO Characterization of refractory material properties after usage for recyclability determination
11h25 - 11h30 (5 minutes)	PhD06 - Kwasi BOATENG Microstructure design of refractory castables for in use thermomechanical properties optimization
11h30 - 11h35 (5 minutes)	PhD07 - Molla EWNETE Microstructure dependence of local strain through in-situ micromechanical investigations
11h35 - 11h40 (5 minutes)	PhD08 - Harikeshava RANGANATHAN Discrete Element Method to support microstructure design of refractories
11h40 - 11h45 (5 minutes)	PhD09 - Michiel SMEDES Influence of microstructure of refractory materials on the macroscopic mechanical behavior
11h45 - 11h50 (5 minutes)	PhD10 - Paula CAMPOS DE OLIVEIRA Microstructural impact on refractory materials during in situ testing by means of X-Ray imaging methods
11h50 - 11h55 (5 minutes)	PhD11 - Cristian BOHÓRQUEZ-MORENO Influence of H ₂ containing atmospheres on the thermo-mechanical behaviour of refractories

11h55 - 12h00 (5 minutes)	PhD12 - Milena RIBEIRO GOMES Corrosion and changes of microstructure and thermal properties of refractory castables in industrial H ₂ combustion atmospheres
12h00 - 12h05 (5 minutes)	PhD13 - Amit Kumar GOPE Sensing material performance in use, and monitoring using machine learning
12h05 - 12h10 (5 minutes)	PhD14 - Fatemeh AZIZI Smart Factory: Predicting thermal behaviour of steel ladles with advanced digital methods for improving the thermal efficiency
12h10 - 12h15 (5 minutes)	PhD15 - Victor RUELA Smart Factory: Enhancing energy efficiency in steel making through advanced digital technologies
12h15 - 14h00 (105 minutes)	Lunch
Part 4 - Meetings	
14h00 - 15h30 (90 minutes)	Restricted session with the CESAREF DCs: - Domna PASCHALIDOU (Project officer European Commission) - CESAREF Doctoral candidates
15h30 - 15h45 (15 minutes)	Coffee break
15h45 - 16h00 (15 minutes)	Restricted session with CESAREF Management team: - Domna PASCHALIDOU (Project officer European Commission) - CESAREF Management team
16h00 - 16h30 (30 minutes)	Feedback and open discussion - Domna PASCHALIDOU (Project officer European Commission)