Euroslag 2026

Monday 15 June 2026

12:00-19:00 **Registration**

17:00-19:00 **Special session on Industrial symbiosis**, *Martin & Ingemar*

17:00-17:20 Industrial Symbiosis in the Steel Industry: guidelines and roadmap in by-products use from RFCS Symbio-Steel project

Agnieszka Morillon; *David Algermissen; Valentina Colla; Teresa Annunziata Branca; Alice Petrucciani; Claudia Sergi; Daphne Mirabile; Filippo Cirilli; Lina Kieush; Johannes Rieger; Chuan Wang; Erland Jarl Nylund; Han Yu; Tova Jarnerud Örell; Delphine Snaet*

17:20-17:40 Analysis of relevant results, trends and perspectives of Industrial Symbiosis solutions

Valentina Colla; *Teresa Annunziata Branca; Alice Petrucciani; Agnieszka Morillon; David Algermissen; Claudia Sergi; Daphne Mirabile; Filippo Cirilli; Lina Kieush; Johannes Rieger; Chuan Wang; Erland Jarl Nylund; Han Yu; Tova Jarnerud Örell; Delphine Snaet*

17:40-18:00 KPI-Based Assessment of Industrial Symbiosis Solutions within the RFCS Symbio-Steel Project: Slag Recycling Evaluation

Lina Kieush; *Johannes Rieger; Valentina Colla; Teresa Annunziata Branca; Alice Petrucciani; Claudia Sergi; Daphne Mirabile; Filippo Cirilli; Agnieszka Morillon; David Algermissen; Chuan Wang; Erland Jarl Nylund; Han Yu; Tova Jarnerud Örell; Delphine Snaet*

18:00-18:20 Slag as the supply chain interface – biocarbon meets scrap and H-DRI

Erland Jarl Nylund; *Tova Jarnerud Örell; Johan Martinsson; Jim Allansson*

18:20-18:40 On Industrial symbiosis enablers: the importance of facing and solving technical and policy issues

Daphne Mirabile; *Loredana Di Sante; Filippo Cirilli; Chiara Lanzini; Riccardo Monaci*

19:00-20:30 **Reception**

Tuesday 16 June 2026

08:00-09:00 **Registration**

09:00-09:20 **Opening and welcome**, *Lilla Salen*

09:00-09:20 Welcome to this Euroslag Conference

09:20-10:20 **Introduction Day 1**, *Lilla Salen*

09:20-09:50 KEYNOTE - Slag utilization in Europe after the transition of the steel industry

Andreas Ehrenberg, *FEhS Institute*

09:50-10:20 KEYNOTE - Physicochemical properties of slags for the mitigation of CO2 emissions in steel industry

Joohyun Park, *Hanyang University*

10:20-10:50 **Coffee break**

10:50-12:00 **Sponsor message and poster pitches**, *Lilla Salen*

10:50-11:05 HARSCO – *Sponsor presentation*

11:05-11:08 Sustainable carbon for slag foaming from lab experiments to EAF pilot trials with hydrochar

Chuan Wang; *Yu-Chiao Lu; Andrey Karasev; Erik Sandberg*

11:08-11:11 Metallurgical slag in concrete for maritime structures – Results of 8 year practical field tes

Volkert Feldrappe; *Andreas Ehrenberg; Lydia Becker*

11:11-11:14 Recovery of metals from sludge and sediment using by-product slags – feasibility study

Agnieszka Renman; *Frank Lipnizki; Gunno Renman; Fredrik Engström*

11:14-11:17 Carbonation of BOF Slag considering Pressure, Temperature and Time Dependencies

Andreas Neumann; *Zhenja Rozhkova; Ralf B. Wehrspohn*

11:17-11:20 Circular Valorisation of EAF slag for CO2 capture & Industrial Symbiosis using EAF slag slurry

Mahmood Shamsan, *Shah Saud*; *Aditya Sinha; Thomas Descheyer; Precious Nwajei*

11:20-11:23 Classification of Mineral Phases and Manganese Distribution in Steel Slag

Hiromi Eba; *Yunosuke Aida*

11:23-11:26 Demonstrating processed EAF slag at scale as a high-performance SCM

Laura Stefanini; *Luke Hunter; Grace Gledden; Madeleine Quin; K. H. C. Yap; Alex Dawes; Syed Mughees; Will Knapp*

11:26-11:29 Dissolution Behavior of Secondary Additives in Steelmaking Slags

Florian Kek; *Alexander Halwax; Jan Eisbacher-Lubensky; Patrick Stahl*

11:29-11:32 Effect of Treatment Processes on the Phase Structure and Stability of Steelmaking slag

Wenfeng Gu; *Jiang Diao; Takayuki Iwama; Yasushi Sasaki; Ryo Inoue; Shigeru Ueda*

11:32-11:35 Evaluation of EAF Slag as a Sustainable Aggregate in Counterweight Concretes within the Scope of Green Transformation

ÇETİN BAĞLAN; *OĞUZ IŞIK; Sinan ARAS; Serdar ERDEMİŞ; Gözde KAYA; Mehmet Buğra UYSAL*

11:35-11:38 FESEM-EBSD as a tool for slag characterization

Anniina Merenluoto; *Rita Kallio; Matias Jaskari; Eetu-Pekka Heikkinen; Ville-Valtteri Visuri; Jaakko Louhisalmi*

11:38-11:41 From Innovation to Application: Integrated Thermodynamics and AI Approaches for Focused Metal Extraction from Slags

Alberto Rivera Romero; *Carola Celada-Alonso; Felix López Gómez*

11:38-11:41 Grinding aids for basic oxygen furnace slag: grindability and use in Portland cement and alkali-activated binders

Milad Eskandarinia; *Elijah Adesanya; Brant Walkley; Juho Yliniemi*

11:41-11:44 Influence of Calcium Oxide Content on the Valorisation of Tantalum-containing Slag

Joao Weiss; *Daniel Munchen; Bernd Friedrich*

11:44-11:47 Investigation on Electric Arc Furnace Slags and applications as Supplementary Cementitious Material

Marco Cantaluppi; *Elijah Adesanya; Juho Yliniemi*

11:47-12:00 Effects of slag former quality on slag forming in the EAF process

Markus Carlborg*, Mohamed Elsadek, Conny Engström, Matias Eriksson, Markus Broström, Caisa Samuelsson*

12:00-12:03 Quantitative mineralogy and mineral processing of Waelz slag as an alternative secondary raw material

Carsten Gondorf; *Christian Wuppermann; Lars Gronen; Volkert Feldrappe; Devrim Gürsel; Tobias Vreatz*

12:03-12:06 Valorisation of EAF slag aggregate as a sustainable filler for vegetated acoustic barriers

José Manuel Baraibar; *Amaia Santamaria*

12:06-12:10 Phosphorus Refining of Slags and Sludges: Pathways Toward Sustainable Resource Recovery

Andrey Karasev; *Mingsong Yang; Björn Glaser*

12:10-13:00 **Lunch break**

13:00-14:10 **Legislation, rules and standards***, Lilla Salen*

13:00-13:30 KEYNOTE - Iron and Steel slags in REACh: a long relation with hurdles

Hans Kobesen, *Reach WkC*

13:30-13:50 Informing Slag Management Policy through Modeling: A Multi-dimensional Approach to Predict Cr(VI) Water Emissions

Shana Joy Baumgartner; *Alexey V. Cherkaev; Johan Berg Pettersen; Gabriella Tranell*

13:50-14:10 French guidelines for the use of ferrous slags in civil engineering works: environmental and health risk assessment

Jérémie DOMAS

14:15-15:15 **Supplementary Cementitious Materials I***, Lilla Salen*

14:15-14:35 SAF slags from DRI-based steel production as clinker substitute for low-carbon cements

Dominik Ebert; *Daniel Schubert; David Algermissen; Andreas Ehrenber; Jannes König; Gökhan Karagülmez; Rüdiger Deike*

14:35-14:55 Valorization of Future Electric Arc Furnace Slags as Supplementary Cementitious Materials: Case Studies

Anton Andersson; *Andreas Lennartsson; Joohyun Park; Fredrik Engström*

14:55-15:15 The research project DRI-EOS - Modification of DRI-based EAF slag for use in the cement industry

Joachim Schneider; *Dominik Ebert; Jesko Gerlach; Sophie Wunderlich; Annika Henke; Markus Dorndorf; Andreas Ehrenberg; Burkart Adamczyk; Christian Adam; David Algermissen*

14:15-15:15 **Research and Innovation I**, *Martin & Ingemar*

14:15-14:35 Considerations for Efficient Slag Practices in HPSR Steelmaking

Ville-Valtteri Visuri; *Tero Vuolio; Iivari Lappeteläinen; Eeli-Matti Sassi; Michael Zarl*

14:35-14:55 Sustainable Direct Alloying of Manganese in liquid steel by Aluminothermic Reduction from Ladle Refining Slag

Sripushpa Kakara; *Elizaveta Cheremisina; Ryo Inoue; Takayuki Iwama; Shigeru Ueda; Ashok Kamaraj*

14:55-15:15 Soil pH Improvement with Steelmaking Slag under Simulated Upland Wet–Dry Cycles

Takayuki Iwama; *Shohei Koizumi; Megumi Obara; Ryo Inoue; Shigeru Ueda*

15:15-16:00 **Coffe break and poster session**

16:00-17:20 **Slag treatment I**, *Lilla Salen*

16:00-16:20 Recovery of valuable metals from steelmaking slags – a view from a geometallurgical perspective

Lars Gronen; *Simon Wölfelschneider; Devrim Gürsel; Andreas Bremen; Pavell Ivashechkin; Michael Dohlen; Gerald Stubbe; Volkert Feldrappe; Tobias Vraetz*

16:20-16:40 Adaptation of the hydrogen-plasma smelting reduction (HPSR) process into stainless steelmaking

Mert Saraçoğlu; *Joop van Deursen; Jérémy Chaulet; Muxing Guo; Bart Blanpain; Annelies Malfliet*

16:40-17:00 Targeting the recovery of Co, Ta and Nb through the identification of EnAM in gas-phase synthesised fayalitic model slag

Apet Nikoyan; *Manuel Vollbrecht; Krishnanjan Pramanik; Lucio Colombi Ciacchi; Lutz Mädler*

17:00-17:20 Process sustainability: Use of internal ladle slag in the EAF

Sara Rosendahl; *LIVIU BRABIE; Björn Haase; Susane Naevermo-Sand; Mattias Warne; Per Johan Hogberg; André Ulmgren; Nazem Jalali Pooria; Min Chen*

16:00-17:20 **Research and Innovation II***, Martin & Ingemar*

16:00-16:20 Physical properties of electrical steelmaking slags with industrial practices, a study through experiments and modeling

Xintong Du; *Ali Emami; James Small; Shuigen Huang; Shuai Zhang; Muxing Guo; Yoongu Kang; Marie-Aline Van Ende*

16:20-16:40 Effect of alumina addition on the viscous behavior of iron silicate slag

Sohei Sukenaga; *Juson kokubo; Masanori Tashiro; Ko Mibu; Junichi Takahashi; Jiang Liu; Yong Wang; Hiroyuki Shibata*

16:40-17:00 Fate of Chromium and Vanadium after long-term liming with iron and steel slags in two German field trials.

Hans-Peter Koenig; *Martin Rex; Lars Gronen; Uwe Pihl*

17:00-17:20 Thermal behaviour of trace elements introduced by alternative raw materials in burning of cement clinker

Lukas Larsson; *Markus Broström; Bodil Wilhelmsson; Matias Eriksson; Markus Carlborg*

18:30-22:00 **Conference dinner at Elite Stadshotellet**

Wednesday 17 June 2026

08:30-09:00 **Registration**

09:00-10:30 **Introduction Day 2***, Lilla Salen*

09:00-09:30 KEYNOTE - Slag from Steelmaking in Sweden

Björn Haase, *Höganäs*; *Christer Ryman*

09:30-10:00 KEYNOTE - Composition and reactivity of engineered electric arc furnace slags and use as SCM for Portland cement

Frank Bullerjahn, *Heidelberg Materials*; *Gerd Bolte*

10:00-10:30 KEYNOTE - From innovation to application, development of a pozzolan SCM product

Åke Roos, *Boliden Smelters*

10:30-11:00 **Coffe break and poster session**

11:00-12:20 **Slag treatment II***, Lilla Salen*

11:00-11:20 Dry Granulation of Ladle Slag: From Pilot Trials to Patented Building Materials

Marta Guzzon; *Mattia Bissoli; enzo Chiarullo; Enrico Malfa; Cristina Barbieri; Vincenzo Liuzzi; Alberto Spaggiari*

11:20-11:40 Evaluating Technologies for Valorizing EAF Slag Suitable for the Cement Industry

Hugo Joubert; *Piet Jonker; Orhan Demir*

11:40-12:00 Production and characterization of thermophosphate fertilizer obtained by EAF ferronickel slag and bone ash.

Davide Mombelli; *Matteo Reda; Carlo Mapelli; Guilherme Frederico Bernardo Lenz e Silva*

12:00-12:20 Closing the Loop on EAF Slag: Silicon as a Key to Immobilizing Free Lime and Safely Binding Heavy Metals

Fiona Pickart, *Phillip Donhause, Bernd Friedrich*

11:00-12:20 Research and Innovation III*, Martin & Ingemar*

11:00-11:20 Synthetic EAF-slag mineralogy, microstructure and leaching behaviour as function of chemistry and cooling practice

James Small; *Jonathan Zepper; Jolien Linckens; Stefan Melzer; Dominik Ebert; David Algermissen; Burkart Adamczyk; Joachim Schneider; Mary van Wijngaarden; Christian Adam; Sieger van der Laan; Pieter Koopmans; Sander Everstein*

11:20-11:40 Focus on titanium, vanadium, phosphorus and chromium when improving cementitious properties of EAF slags

Rita Kallio; *Eetu-Pekka Heikkinen; Anniina Merenluoto; Petri Sulasalmi; Jaakko Louhisalmi; Anton Andersson*

11:40-12:00 Evaluation of Slag Foaming in an Electric Arc Furnace under Pulverized-Coal Injection

Shigeru Ueda; *Fuga Sato; Takayuki Iwama; Wenfeng Gu; Ryo Inoue*

12:00-12:20 Standard Specification for Low Carbon Concrete using Ground Granulated Blast Furnace Slag and Fly Ash

Craig Heidrich; *Stephen Foster*

12:20-13:20 Lunch

13:20-15:00 Valorization and best practices*, Lilla Salen*

13:20-13:40 Two Decades of Full-Scale Field Experience with Stainless Steel Slags in Landfill Covers: Evidence from Hagfors, Sweden

Lale Andreas

13:40-14:00 Saint-Gobain’s ladle slag processing plant in Raahe promotes circular economy in the construction industry.

Gunnar Lauren

14:00-14:20 Performance Evaluation of SMA Concrete Pavements Incorporating BOFS on Heavy Traffic Roads in Kaohsiung,Taiwan

Huang-Fu Chen; *I-MIN WU; Jian-Shiuh Chen*

14:20-14:40 Valorization of Ladle Furnace Slag via Accelerated Carbonation for Rubber Compound Applications as sustainable filler

Anna Gobetti; *Giorgio Ramorino; Marcello Gelfi; Paolo Brazzo; Giovanna Cornacchia*

14:40-15:00 Investigation on dry and wet natural carbonation of steelmaking slag

Davide Mombelli; *Carlo Mapelli; Gianluca Dall'Osto; Andrea Riccardi; Elena Da Val; Roberto Moreschi; Giovanni Baldo*

13:20-15:00 Research and Innovation IV*, Martin & Ingemar*

13:20-13:40 Rapid chemical analysis of liquid slag

Jonas Petersson; *David Malmström; Saga Bergqvist*

13:40-14:00 Experimental and CFD based investigations on potentials of steel slags as thermal energy storage solution

Ming Chen; *Akhil V. Panicker; Nikolaos Gavriilidis; Huilin Li; Gunvor M. Kirkelund; Lisbeth Ottosen*

14:00-14:20 Distribution and Condensation Behavior of Samarium in CaO-SiO2-FeO-P2O5-MgO Slag for Permanent Magnet Recycle

Ryo Inoue*; Takayuki Iwama; Wenfeng Gu; Shigeru Ueda*

14:20-14:40 Condensation Behavior of Vanadium in Specific Mineral Phases of Steelmaking Slag

Atsuki Miyoshi; *Riku Tsuneda; Takayuki Iwama; Yukihiro Goda; Muneyoshi Sawayama; Shigeru Ueda; Ryo Inoue*

14:40-15:00 In-situ observation of steel-slag separation behaviors in hydrogen-based direct reduction (DRI)

Qing Zhu; *Xianfeng Hu; Wangzhong Mu*

15:00-15:30 Coffee break and poster session

15:30-17:10 Supplementary Cementitious Materials II*, Lilla Salen*

15:30-15:50 Black granulated slag from EAF - a first milestone towards a sustainable future

David Algermissen*; Elke Kaindl; Dirk Mudersbach; Dominik Ebert; Andreas Ehrenberg; Anna Sokol*

15:50-16:10 EAF and BOF slags as components in low-carbon cements

Simon Blotevogel; *Thomas Wattez; Katharina Schraut; Alexis Meriot; Roberta Alfani; Martin Cyr*

16:10-16:30 Integrated Valorization of EAF and BOF Steel Slags for Metal Recovery and Modified Cementitious Material Production

Mats Åhlin; *Elsayed Mousa; Paul Sandberg; Guozhu Ye*

16:30-16:50 Comparitive study of air and water granulation of DRI-EAF slag at 6-ton pilot scale

Mattia De Colle

16:50-17:10 Cementitious investigation of slags arising from the HIsarna ironmaking process

Andreas Ehrenberg; *Christiaan Zeilstra; Marcel Bruin; Cornelis Teerhuis*

17:10-17:25 Closing ceremony*, Lilla Salen*

17:10-17:25 Closing remarks - See you at next Euroslag Conference

18:30-21:00 Visit to SWERIM including light meal/refreshments

Thursday 18 June 2026

09:00-16:00 **Tour to Boliden Rönnskär smelter***, Bus 1*

10:00-15:00 **Tour to SSAB steel plant***, Bus 2*

10:00-13:00 **Tour to Gammelstad Church Town (UNESCO World Heritage Site)**, *Bus 3*