



# RFCS Summit 2022 – Steel Day

DG Research & Innovation, European Commission and European Research Executive Agency  
CCAB Brussels/ online, 21 March 2022

## Draft Agenda

*Moderated by Jacki Davis, journalist/ EU affairs commentator*

**8:30** **Welcome and registration**

### Introduction

**9:00** **Paul WEBB**, Head of ‘Green Europe’ Department, REA  
**Rosalinde VAN DER VLIES**, Director ‘Clean Planet’, DG Research & Innovation, EC

**9:15** **Keynote session**

**Kerstin JORNA**, Director-General, DG Internal Market, Industry, Entrepreneurship and SMEs, EC

**Axel EGGERT**, Director-General, EUROFER

**Jean-Eric PAQUET**, Director-General, DG Research & Innovation, EC

*Interactive Q&A*

**10:15** **RFCS steel projects evolving towards support of the EU Green Deal and modernising the steel industry**

**Filippo CIRILLI**, Rina Consulting - CSM (GREENEAF2)

**Milan ELKERBOUT**, CEPS (GreenSteel)

**Matthias WERNER**, BFI (MACO Pilot)

**Claudio GUARNASCHELLI**, Rina Consulting - CSM (SteelWind)

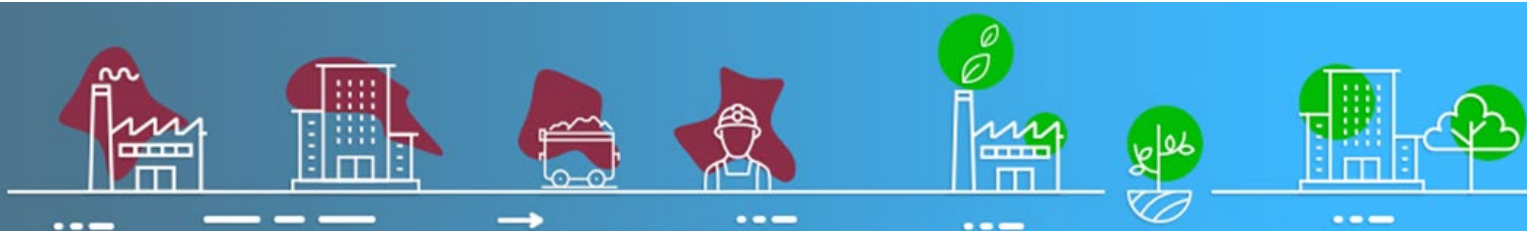
**David FRÓMETA GUTIÉRREZ**, Eurecat (CrashTough)

**Jean-François DEMONCEAU**, University of Liège (FAILNOMORE)

**Valentina COLLA**, Sant'Anna School of Advanced Studies (ROBOHARSH)

**Roberto PIANCALDINI**, Rina Consulting - CSM (DROMOSPLAN)

**11:00** **Coffee break**



**11:30 Panel**

***Low carbon steel modernisation for the European Green Deal: when challenges become opportunities***

**Ruud KEMPENER**, Policy Officer, ‘Renewables and Energy System Integration Policy’, DG ENER

**Karin AUSSERSDORFER**, Head of R&D Funding Management, Voestalpine

**Franz HÖRZENBERGER**, Head of EU Affairs, ArcelorMittal Global R&D

**Martin PEI**, Executive Vice President & CTO, SSAB

*Interactive audience session (30’)*

**12:45 Lunch break**

**Showcase of RFCS success stories**

**14:00 REA presentation of Big Ticket – Call 2022**

**Alejandro German GONZALEZ GONZALEZ**, Project Adviser, REA

**14:30 Roundtable**

***The way ahead: roadmap towards low-carbon emission steel production***

**Peter HANDLEY**, Head of Unit, DG for Internal Market, Industry, Entrepreneurship and SMEs, EC

**Stefaan VERGOTE**, Head of Unit, DG for Climate Action, EC

**Franz ANDROSCH**, Vice President of R&D&I, Voestalpine & President, ESTEP

**Enrico MALFA**, R&D Director, Tenova S.p.A, Chair of ESTEP Focus Group on Circular Economy

**David LAMMERS**, Deputy Director Corporate Engagement, CDP Europe

**Sam VAN DEN PLAS**, Policy Director, Carbon Market Watch

*Interactive audience session (20’)*

**16:00 Coffee break**

**16:30 Question & Answer session on RFCS Big Ticket and annual calls**

Representatives from the European Commission and REA

**17:15 Conclusion**

**Paul WEBB**, Head of ‘Green Europe’ Department, REA

**Andrea GENTILI**, Deputy Head of Unit ‘Low Emission Future Industries’, DG RTD, EC

**17:30 Close**



## Speakers list - steel session



**Moderator**  
**Jacki**  
**DAVIS**

Journalist/ EU affairs  
commentator

Jacki Davis is an experienced journalist and moderator of high-level events; a regular broadcaster on television and radio news; and a Senior Adviser to the European Policy Centre think tank. She has been based in Brussels for 30 years, and was previously the EPC's Communications Director; editor-in-chief of the EU magazine EISharp; launch editor of European Voice, a Brussels-based newspaper on EU affairs owned by The Economist Group (now Politico); and Brussels correspondent of a British national newspaper.



**Paul**  
**WEBB**

Head of  
Departement B  
'Green Europe',  
REA

The Department in the European Research Executive Agency is responsible for the implementation of the Research Fund for Coal and Steel - RFCS, Horizon Europe cluster 6, and the agricultural promotion programme. Previously she held different posts in the European Commission: in DG Research and Innovation, notably as Head of Unit for Budget and for financial management; in DG Budget; and DG Agriculture.



**Rosalinde**  
**VAN DER VLIES**

Director RTD C  
'Clean Planet', EC

Before her appointment as Director, she was the Head of Coordination & Interinstitutional Relations Unit, and acting Head of Communication & Citizens Unit. Previously she held positions in Directorate-General Environment, Directorate-General Justice and Home Affairs, and in the private office of Janez Potočnik, the European Commissioner for the environment. Before joining the European Commission, she worked as a competition lawyer in an international law firm in Brussels and was a part-time teacher at the Catholic University in Brussels.



**Kerstin**  
**JORNA**

Director-General, DG  
Internal Market, Industry,  
Entrepreneurship and  
SMEs, EC

German national and a civil servant at the EC where she has held various positions, amongst others as Head of Cabinet of several Commissioners and Director posts. Director-General for Internal Market, Industry, Entrepreneurship and SMEs. She was Deputy Director-General in the Economic and Financial Affairs general directorate where her areas of responsibility included, amongst others, macroeconomic surveillance of EU Member States, the European Investment Plan and coordination with international financial institutions. She also held positions on the Board of both the European Investment Bank and the European Investment Fund.



**Axel**  
**EGGERT**

Director-General,  
EUROFER

Axel Eggert is Director General of the European Steel Association (EUROFER), a post he has held since 2014, having initially joined the association in 2007 as Director of Public Affairs and Communication. A German National holding degrees from his studies of modern history, economics and law, he worked for 8 years in the European Parliament prior to his leadership at EUROFER.



**Jean-Eric**  
**PAQUET**

Director-General,  
DG Research &  
Innovation, EC

Director-General of DGR&I since 2018; his involvement in EU research policy dates back from 2002, as Deputy Head of Cabinet of Philippe Busquin, then Commissioner in charge of Research and Development. He also worked in DG Transport, where he led the development of the Trans-European Transport Network Policy. He was also EU Ambassador in the Islamic Republic of Mauritania from 2004 to 2007. Between 2015 and 2018, he was the Deputy Secretary-General of the European Commission in charge of Better Regulation and Policy Coordination.







**Flippo CIRILLI**

Deputy of Manufacturing Process Improvement  
Rina Consulting - CSM

Graduated in chemistry in 1996. Employed in Rina Consulting centro Sviluppo materiali (formerly CSM) since 1997  
Currently Deputy of Manufacturing Process Improvement. About 25 years professional experience in designing, implementing and coordinating projects related to industrial process with main focus on steel and metal sector. Strongly involved on the topics related to decarbonization, circular economy and industrial symbiosis and hydrogen transition



**Milan ELKERBOUT**

Research Fellow Energy, Resources and Climate Change unit at CEPS

Milan Elkerbout is a Research Fellow at the Energy, Resources and Climate Change unit at CEPS in Brussels. His focus is on EU climate policy, in particular the EU Emissions Trading System and industrial decarbonisation. He has been involved in various studies regarding the policy mix to transform industry towards climate neutrality. His academic background is in European political economy.



**Mathias WERNER**  
Project Manager  
BFI

After finishing my PhD thesis in the field of measuring technique development for physical parameter determination in ultra-high pressure treatment processes of liquid foods I have started as research associate at BFI (Düsseldorf/ Germany) in 2008. Among other topics my project management activities in the department "Resource Technology Liquid Media" are focused on the development and operational application of measuring systems for continuous concentration monitoring in acidic bath of surface treatment processes in the industrial metal- and steel production.



**Claudio GUARNASCHELLI**  
Senior Consultant,  
Rina consulting – CSM,  
Italy

Born in 1962, has been involved in many national and international industrial projects with focus on steel metallurgy (e.g. HSLA, Advanced High Strength Steel, special long product steel, etc.), participating to EU projects as a researcher and coordinator, especially in the fields of thermomechanical rolling and special steels. He is author of scientific contributions in different fields of metallurgy, as alloy design of special steels, AHSS, HNAS, UFG, hot rolling.



**David FROMETA**  
Researcher,  
Eurecat Technology  
Centre of Catalonia

PhD in Materials Science and Engineering by the Polytechnic University of Catalonia. His thesis was focused on the fracture toughness characterization of Advanced High Strength Steels for automotive applications. He has been working in Eurecat Technology Centre of Catalonia in the Unit of Metallic and Ceramic Materials since 2015. He is involved in several EU-funded projects and managing 2 research projects related to high-performance materials for vehicle lightweighting.



**Jean-François DEMONCEAU**  
Associate Professor,  
Liege University

His main research activities are dedicated to the study of the robustness of steel and steel-concrete structures subjected to accidental events. For around 20 years, he participated to numerous national and international projects, including 16 RFCS projects, and publishing in various international journals. He is also strongly involved in international scientific networks and in normative European committees.







**Valentina  
COLLA**

Technical Research  
Manager,  
Scuola Superiore  
Sant'Anna

Technical Research Manager and responsible of the ICT-COISP Center of the TeCIP Institute of SSSA. Her research activity concerns simulation, modelling, management and control of industrial processes via physics- and AI-based techniques. She holds a considerable experience in development and implementation of advanced automation systems and digital solutions for the steel sector. She participated to 67 EU-funded projects (9 as coordinator), and is an active member of ESTEP, as Vice-Chairman of focus groups "Smart Factory" and "Circular Economy".



**Roberto  
PIANCILDINI**

RINA Consulting  
Centro Sviluppo Materiali  
S.p.A. / RINA-CSM

He was born in 1964 and was graduated in Physics at University of Rome "La Sapienza". He has 30 years of experience as Project Manager in National and European multi-partner projects and responsible for hardware and software architectures in the implementation of systems in industrial context. He has been involved working on measurement and sensor systems in the field of computer vision, signal processing, Process&Quality Control and Decisions Support Systems by application of Robotic and Machine Learning techniques.



**Ruud  
KEMPENER**

Policy Officer,  
Renewables and energy  
system integration policy,  
DG ENER, EC

Ruud Kempener is a policy officer in the unit on renewables and energy system integration policy of DG Energy since 2016, where he works on the Commission's strategies on hydrogen and energy system integration, and support Europe's industrial competitiveness of renewables and the associated international cooperation activities.



**Karin  
AUSSERSDORFER**

Head of R&D Funding  
Management,  
Voestalpine

Born in Linz, Austria, graduated from the Vienna University of Economics and Business Administration in 1990. After consultancies in the field of RTD and Innovation for several industrial and scientific entities, she started working as RTD funding manager in 2005 at Voestalpine, an Austrian based globally active steel and technology group, highly involved in the European Steel Technology Platform - ESTEP and the Clean Steel Partnership. She is member of the RFCS Steel Advisory Group and the Clean Steel Partnership Board.



**Franz  
HÖRZENBERGER**

Head of EU Affairs,  
ArcelorMittal Global R&D

Head EU affairs within ArcelorMittal Global R&D, started carrier in steel research at Max Planck institute in Germany, short intermezzo in Austrian steel industry, since 1996 in steel research and innovation along the ArcelorMittal pathway, all together almost 30 years experience in steel industry, vice-chair European Clean Steel partnership.



**Martin  
PEI**

Executive Vice President &  
CTO, SSAB

Mr Pei has a bachelor of science in ferrous metallurgy from Northeastern University, Shenyang, China and a doctorate in process metallurgy from the Royal Institute of Technology, Stockholm, Sweden. At He started his working experience in 1994 at Danieli and since 2001 he has been with SSAB, at their primary operations in Oxelösund, Sweden. Since 2007, he has served as executive vice president and CTO at SSAB. From 2010 to 2014, he served as head of SSAB Business Area APAC. Initiator of the HYBRIT initiative, a cooperation SSAB, LKAB and Vattenfall; served as the first-term chairman of board for Hybrit Development AB. Currently chairman of board for SWERIM, and member of the board for Jemkontoret. He is a member of the Royal Swedish Academy for Engineering Sciences.





**Peter  
HANDLEY**

Head of Unit, DG for Internal Market, Industry, Entrepreneurship and SMEs, EC

Peter Handley is, since September 2017, Head of the Energy-Intensive Industries and Raw Materials Unit in the European Commission's Directorate-General for Growth. He was previously Head of the Resource Efficiency Unit at the Secretariat-General, where he was responsible for coordination of Energy Union, 2030 climate and energy package, low emission mobility strategy and the circular economy.



**Stefaan  
VERGOTE**

Head of Unit, DG for Climate Action, EC

Stefaan Vergote is currently Head of Unit responsible for Research & Low Carbon Technology Deployment in DG Climate Action at the European Commission. Previously, he was Advisor for Emission Reduction Strategies and Research & Innovation. He has been Head of Unit in DG Climate Action and in DG Energy and deputy Head of Unit in DG Environment, covering climate and energy policies. Stefaan is a civil electro-mechanical engineer and holds a PhD in Environmental Management and Technology (KULeuven).



**Franz  
ANDROSCH**

Vice President of R&D&I, Voestalpine & President, ESTEP

Franz Androsch studied chemical engineering at the Johannes Kepler University in Linz and obtained his PhD in engineering sciences from the Technical University of Vienna. He is Senior Vice President of Research & Development and Innovation for the voestalpine-Group. He is member in several national and international research committees, like the Technology Committee of worldsteel, he is president of the European Steel Technology Platform and vice president of the Christian Doppler Gesellschaft.



**Enrico  
MALFA**

R&D Director Tenova S.p.A, Chair of ESTEP

Enrico Malfa holds a degree in Aerospace Engineering, at Politecnico di Milano. He gained experience in international corporations like Aermacchi, Italcementi and ABB. In 2002, he joined Rina-CSM where he became responsible for the offices at TenarisDalmime. Currently, he is R&D Director of Tenova, a Techint Group company, worldwide partner for innovative, reliable and sustainable solutions in metals and mining. Enrico is ESTEP FG Circular Economy Chair, TGS1 member and he is in the board of the Clean Steel Partnership.



**David  
LAMMERS**

Deputy Director Corporate Engagement, CDP Europe

As Deputy Director Corporate Engagement at CDP Europe, co-leading the corporate stakeholder department, his responsibilities include oversight of corporate disclosure to CDP's questionnaires in Europe, as well CDP Europe's work on sustainable supply chains, reporting excellence and action initiatives such as Science Based Targets. David has been with CDP for 5 years now. He holds a Bachelor of Arts in International Business Administration and a Master of Science in Environmental Studies and Sustainability Science.



**Sam  
VAN DEN PLAS**

Policy Director, Carbon Market Watch

Carbon Market Watch, is an international NGO with in-depth expertise in carbon pricing. It's mission is to ensure that carbon pricing and other climate policies drive a just transition towards zero-carbon societies. Sam is in charge of European and International policy strategy, positioning and advocacy outreach. He worked previously with WWF, focusing on advocacy work towards the European institutions and linking the organisations network in Europe to the EU legislative and policy-making cycles on climate and energy issues. His main areas of expertise include EU and international climate policy, carbon markets, the EU Emissions Trading System and industrial decarbonisation.







**Alejandro  
GONZALEZ**

Project Adviser, "Future  
Low Emissions Industry".  
REA

Alejandro has been working in the European Commission since 2018 managing Iron and Steelmaking Technical Group TGA1. In charge of steel related policies, Alejandro was the EC representative during the inception of the Clean Steel partnership. Since 2021, he continues his activities at the EC REA.

Prior to joining the EC, he gained over 15 years of technical and managerial experience in industry, transport, mining and infrastructure in multinational companies in Spain, Germany and Australia. Alejandro is mechanical engineer, MSc electrical engineering.



**Andrea  
GENTILI**

Deputy Head of the Unit  
"Low Emission Future  
Industries" DG RTD, EC

The unit is in charge of the European research and innovation activities in aviation, waterborne and coal&steel industries. From 2016 to 2019, he acted as Deputy Head of the Unit "Aviation" in charge of the Clean Sky European research public-private partnership. From 2011 to 2016, he acted as Deputy Head of the Unit "Advanced Manufacturing Systems and Biotechnologies" and he has been strongly involved in the setting up of the contractual Public-Private Partnerships within Horizon 2020.

