



Sustainable development of steel and aluminum
Grenoble pre-conference WEHC congress
February 06 and 07, 2025

Université Grenoble Alpes, MaCI
<https://maci.univ-grenoble-alpes.fr>

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Thursday, February 06, 2025, afternoon (2 p.m-6p.m)

1- Economic history of transmaterials (steel, aluminum)

The session focuses on the sustainable development of both materials in certain major territories and promotes global approaches.

Presidence and discussion : Dominique Barjot, Sorbonne Université, Secrétaire perpétuel de l'Académie des sciences d'outre-mer

Jean-Michel Minovez, Université Toulouse-II-Jean-Jaurès, France, " limiter les émissions de fluor dans les usines d'électrolyse de Pechiney au XXe siècle : recherche d'économie ou préoccupation environnementale ?"

Yun ZHAI, Maître de conférences, Yanshan University, China, "Chinese Steel Industry and Sustainable Development Policies Since 1978"

Brad Cross, Professor of History and Department Chair at St. Thomas University, Canada, "Confronting environmental disruption at the Kitimat aluminum smelter in British Columbia (Canada)"

Sandra Bott, Université de Lausanne, Sabine Pitteloud UniDistance (Suisse), Andrew Perchard, University of Otago and Espen Storli, Norwegian University of Science and Technology, Trondheim, (Norvège) "The aluminium industry and the environment: tackling industrial pollution in Switzerland, Scotland and Norway, 1890-2000".

Simon Lobach, Postdoctoral Researcher at the Geneva Graduate Institute (Switzerland)
"Decarbonization in the Aluminium Industry: We Haven't Even Started"



Friday, February 07, 2025, a.m. (9 a.m – 1 p.m)

1- Political and social history

The session presents results about environmental constraints for company employees and populations in the local environment as well as the measures implemented to limit them.

Presidence and discussion, Philippe Mioche, Aix Marseille Université

Olivier Chatterji, Université Grenoble Alpes, France, "Alternating phases of Environmental Conflict and Conflict resolution in the Aluminium Industry. The Pechiney Case in the Maurienne valley and beyond 1905-2015"

Mauve Carbonell , Aix Marseille Université, France, "Alumine et environnement en Europe, les conflits autour du stockage des boues rouges des usines d'Aughinish (Irlande) et Stade (Allemagne), années 1970-2000".

Ángel Sanjuán-Ruiz, Universidad Pablo de Olavide, Sevilla, Spain, « Energy efficiency, consumption, and CO2 emissions in the Spanish iron and steel sector from 1860 to 1960 »

Dimitri Zurstrassen, Université Luiss Guido Carli à Rome, Italie, "The European Commission and the decarbonization of the steel industry (1974-today)"

Friday, February 07, 2025, p.m. (2 p.m-5 p.m)

1- Technical and environmental history

The session specifies the economic and social technological issues in the perspective of decarbonization. It includes a round table with sustainable development and decarbonization stakeholders from both industries.

Presidence and discussion : Anne Dalmasso, Université Grenoble Alpes

Marco Bertilorenzi, Associate professor in economic and business history at the University of Padua, Italy, "Organising the recycling business. The secondary aluminium producers organisations in Europe, 1950s-2000s

Samuel Klebaner, Université Sorbonne Paris Nord , France, "The conflictual ecological transition of the French steel industry"

Round table :

moderated by Anne Dalmasso, Université Grenoble Alpes and Philippe Mioche, Aix Marseille Université

Jean-Pierre Birat, consultant, ancien directeur du programme "ULCOS, Ultra Low CO2 Steelmaking"

Sylvie Fraisse, general manager R&D de Rio Tinto

Pierre Meynard, Président de l'Institut pour l'histoire de l'aluminium



Operating board

Anne Dalmasso, Professeure d'histoire contemporaine, Université Grenoble Alpes (France)

Olivier Chatterji, enseignant chercheur contractuel, Université Grenoble Alpes

Olivier Lambert, Directeur de l'IHA, Docteur en histoire, chercheur à Aix-Marseille Université.

Philippe Mioche, Professeur émérite d'histoire économique, Université de Provence, Aix-Marseille (France)

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