

08:45 - Opening Speech

Jean-Pierre Dal Pont, SECF President | Alain Durand, ENSIC Director

Session 1 : Managing Risks

How to deal with evolving regulations and uncertain market trends ?

09:00 - 9:45 - Patrick Cleret, France Chimie

« What does French chemistry offer to meet the challenges of today and tomorrow: decarbonization, optimized water management, circular economy, recycling, CSR and fierce competition ? » 9:45 - 10:15 - Philippe Lemaire, Total Energies & Alain Lombard, Allotoxconsulting

« Issues of daily individual exposure to substances »

10:15 - 10:45 - Natalia Quisel, Véolia

« Chemical Transition Pathway using Safe and Sustainable by Design (SSbD) approach »

10:45 - 11:05 - Coffee break

Session 2 : Reducing impacts

Tools & Methodologies for Sustainability Assessment

11:05 - 11:45 - Olivier Talon, Materia Nova

« Eco-design of innovation – How to use Life Cycle Assessment tools along the TRL scale? »

11:45 - 12:20 - Christophe Calais, Arkema

« Life Cycle Assessment: measure better to better reduce »

12:20 - 13:50 - Lunch Break

Session 3 : Creating opportunities

AI | Bio-inspiration | New Catalysis for Sustainable Innovation

13:50 - 14:20 - Adrien Saint-Sardos, Ceebios

« Biomimetism: a materials science inspired by living beings »

14:20 - 14:50 - Philippe Marion, Syensqo

« Sustainable chemistries from renewable resources: an industrial perspective »

Session 4 : AI

14:50 - 15:30 - Willi Meier, AIChE

« Application of Generative AI and AI Agents in sustainable Process and Product Development » *Other speakers to be announced*

Session 5 : Demonstration of success stories or usage cases

Demonstrative examples of sustainable and profitable innovations

15:30 - 16:00 - Vincent Gourlaouen, Air Liquide

« Carbon dioxide based wastewater treatment: a sustainable alternative to mineral acids »

16:00 - 16:20 - Coffee break

Session 6 : Round table on sustainability culture dissemination

16:20 - 17:00 - Alain Durand, Chair round table

« Chemical engineering future at the transition period »

Closing session

17:00 - 17:40 - Valérie Lucas & Guy-Noël Sauvion round table

#2 Sustainable pharmaceutical Industry

« Eco Chemistry of the future : Chemistry and Pharmacy Synergies »

Exchange with the audience

Gala Dinner

- **Date** : 2nd of July 2025
- **Location** : ENSIC, Université de Lorraine

08:45 - Opening Speech

Jean-Pierre Dal Pont, SECF President | Isabelle Chevalot, LRGP co-director & Alain Durand - ENSIC

Session 1 : Engineering Innovations & the Future of Manufacturing

09:00 - 09:40 - Flavien Susanne, *AstraZeneca*

« Factory of the future: how new manufacturing for the pharmaceutical industry will enable a sustainable industry »

09:40 - 10:30 - Edith Lecomte, *IPSOMEDIC*

« Industrial Relocation: Constraints and Methodology – A Case Study on Paracetamol » 10:30 - 10:50 *Coffee*

break

Session 2 : Sustainability in Industrial Pharmacy

10:50 - 11:30 - David Moore, *Merck KGaA*

« From Ideas to Impact: SMARTfacturing Capabilities that Enhance Sustainability and Lean Operations in the Chemical and Pharmaceutical Industry »

11:30 - 11:55 - Michael Luescher, *Novartis*

«Data driven decision making towards sustainable process development »

11:55 - 12:20 - Mongi Sakly, *Cabinet Sakly*

« Reverse Engineering a new approach to efficient and innovative project management - Case study ; Clean Rooms »

12:20 - 12:45 - Wouter Biesemans, *Ajinomoto*

« CDMO as a sustainable partner in the Net-Zero journey »

12:45 - 13:50 - *Lunch break*

Session 3 : Process Improvement & Intensification

Advanced separation technologies

13:50 - 14:15 - Laurence Pegon, *Novasep-AXPLORA*

« Dare to use preparative chromatography at industrial scale for your API »

Process/reaction modelling et simulation

14:15 - 14:40 - Lucrèce Nicoud, *Ypso-Facto*

« Towards Greener Oligonucleotide Production using Mechanistic modeling »

14:40 - 15:05 - Marc Winter, *Corning*

« Enabling Scalable Process Intensification through Flow Chemistry: Insights from Industrial Cases » 14:40 - 15:05 - Céline Loubière, *CNRS*

Presentation of industrial integrator MTInov, This platform for studying, optimizing and scaling up the production of cell-based biomedicines, boasts expertise in cell culture in stirred bioreactors (on-line monitoring, intensification, bioreactor modeling and design), as well as in transfer to clinical grade in compliance with Good Manufacturing Practices (GMP).

Session 4 : Artificial Intelligence in Pharma

15:05 - 15:30 - Dimitrios Meimaroglou, *LRGP*

« Addressing the challenges of molecular property prediction from a Machine Learning perspective » 15:30 - 16:00 - *Coffee*

break

Closing session

16:00 - 17:00 - Edith Lecomte & Flavien Susanne round table

«The Future of Pharmaceutical Industry»

Exchange with the audience

Final conclusion