



# Program

**#1 Eco-Chemistry  
for sustainable products®**

**#2 Sustainable  
pharmaceutical Industry**

**ENSIC, Université de Lorraine  
Nancy, France  
July 1-2**

# Welcome to the 2 days Symposium on Chemical and Pharmaceutical Chemistry

## Eco-Chemistry for sustainable products®

Discover innovative strategies, groundbreaking technologies and actionable insights at NANCY 2025, a symposium designed to highlight the importance of differentiating the chemical industry by creating authentic environmental value.

Through an exchange specifically designed to foster an open and enriching dialogue, industry professionals, consultants and academia representatives will come together to address the challenges of creating a greener, more sustainable industry.



## Sustainable pharmaceutical Industry

As the pharmaceutical industry faces increasing challenges in environmental impact, social equity, and operational resilience, this symposium offers a vital platform for collaboration and innovation. Under the unifying theme of sustainability, our program is built around the three essential pillars of development: People, Process, and Planet.

Through expert panels, real-world case studies, and hands-on workshops, we'll explore how the industry can:

- Prioritise wellbeing, equitable access to medicines, and community engagement, placing people at the heart of business strategy;
- Drive sustainable process innovation, from green chemistry and resource-efficient manufacturing to ethical supply chains and circular economy models;
- Reduce environmental footprints, manage climate risks, and support biodiversity and global emissions goals.

Whether you're an industrial leader, scientist, sustainability officer, or policymaker, this is your opportunity to shape a resilient, regenerative, and future-ready pharmaceutical industry.

Be part of the change. Redefine the future of healthcare for People, Process, and Planet.



# Practical informations

## SECF President

Jean-Pierre Dal Pont

## Organising committee

UL PROPULS

Université de Lorraine

## Scientific committee

Valérie Lucas

Guy Noel Sauvion

Patrick Maestro

Sylvain Caillol

Philippe Marion

Ignasi Palou- Rivera

Guo-Hua Hu

Flavien Suzanne

Michael Luescher

Michelangelo Canzoneri

Isabelle Chevalot

Laurence Muhr

Edith Lecomte

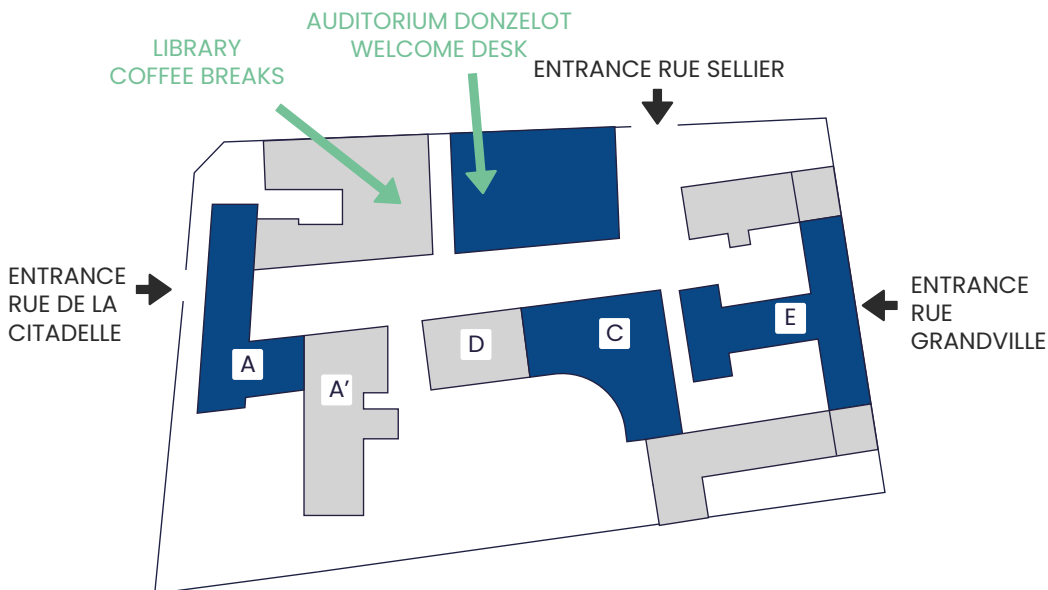
## A Campus at the Heart of the City

The conference will be held on the École Nationale Supérieure des Industries Chimiques (ENSIC) campus, in the old town district, in the center of Nancy, France. The ENSIC is a prestigious engineering school founded in 1887. Renowned for the quality of its teaching in chemical and process engineering, it trains specialists capable of designing, optimizing and managing complex industrial processes. As part of the Université de Lorraine, ENSIC works closely with companies and research laboratories. Its graduates are highly sought after in sectors such as chemicals, pharmaceuticals, energy and environment.

### Address:

**ENSIC**

**1 rue Grandville, 54000 Nancy**



# #1 Eco-Chemistry for sustainable products®

08:20 – 08:45 – *Welcome participant*

## 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 – 16:30 – Valérie Lucas, *Climalife*

“The Circular Economy model : the reuse of fluorinated gases”

16:30 – 16:50 – *Coffee break*

## Session 6: Round table on sustainability culture dissemination

16:50 – 17:30 – Alain Durand, Chair round table

“Chemical engineering future at the transition period”

## Closing session

17:30 – 18:10 – Valérie Lucas & Guy-Noël Sauvion round table

“Eco Chemistry of the future : Chemistry and Pharmacy Synergies”

Exchange with the audience

## Gala Dinner

## #2 Sustainable pharmaceutical Industry

08:30 – 09:00 – *Welcome participant*

### **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 and simulation

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

“Towards Greener TIDES Production using Mechanistic Modeling”

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

“Enabling Scalable Process Intensification through Flow Chemistry: Insights from Industrial Cases”

15:05 – 15:30 – 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).

15:30 – 16:00 – *Coffee break*

## Session 4 : Artificial Intelligence in Pharma

16:00 – 16:30 – Dimitrios Meimaroglou, *LRGP*

“Addressing the challenges of molecular property prediction from a Machine Learning perspective”

## Closing session

16:30 – 17:30 – Edith Lecomte & Flavien Susanne round table

“The Future of Pharmaceutical Industry”

Exchange with the audience

Final conclusion

## CONTACT US



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