

Modeling the transition towards sustainable plastic value chains in European regions

October 1st, 2024, Sala Bracco, Assolombarda, Via Chiaravalle 8, 20122 Milan, Italy | 14:30 – 17:00

Modeling the transition towards sustainable plastic value chains in European regions – TOK Workshop

About the workshop

The event aims to explore **innovative technologies** and strategies to **manage plastic waste**, **reduce carbon emissions**, and **promote circular economy practices**. This session discusses how modeling can support regional and national decision makers in transitioning to a sustainable & circular plastic value chain. The workshop will bring together **experts from various sectors** to discuss the **PRISM** and **CIMS models** - tools designed to **foster circularity of plastic** - offering valuable insights into **creating more sustainable industrial practices** across the plastic industry. For more information, you can visit the event page [here](#).

Program

14.30	Welcome greeting Riccardo Bellato, President of LE2C
14.40	Introduction of the SYSCHEMIQ project Partners, key participants (interactive)
15.00	Presentation: Assessing the transition towards regional sustainable plastic value chains - Lessons learnt from the ARRRR region TNO, Sitech
15.45	Local situation in Lombardy, key challenges
16.10	Panel Discussion & Q&A: Which questions models should help answer to support regional decision makers
16.55 Till 17.00	Closing

About the models

We will discover more about the **PRISM** and **CIMS models**, discussing their **potential application in the Lombardy Region** and the **benefits** that could result.

CIMS (Chemelot Integral Model System) is a modeling tool that **helps guide decisions and strategies in chemical industry clusters to improve the economic, energy and environmental efficiency of industrial processes** by evaluating alternatives to **reduce carbon emissions** and **achieve the goal of zero emissions by 2050**. CIMS analyzes **technologies and resources**, identifying sustainable solutions and offering decision support to businesses and local authorities. In summary, CIMS **drives strategies to make the chemical industry more sustainable**, reducing emissions and contributing to environmental goals.

The **PRISM (Plastic Recycling Impact Scenario Model) model** is a tool developed by **TNO** to find

optimal plastic waste treatment strategies for plastic waste streams, taking into account **technical, economic and environmental variables**. In this way, PRISM becomes a **valuable decision support for governments, companies and organizations** interested in **improving the efficiency and effectiveness of plastic waste recycling**.

Contact

LOMBARDY ENERGY CLEANTECH CLUSTER
info@energycluster.it

The event will be held in English.

It is possible to participate [in attendance](#) or [remotely](#).

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Together we recycle plastics better

About Syschemiq

Syschemiq is an EU-project that aims to speed up the circular plastics economy by developing and demonstrating systemic solutions for applications in cities, regions or their groups.

Syschemiq consortium

The Syschemiq consortium is composed of 21 experienced partners with proven capabilities to develop and achieve the aims of the project, covering a geo-graphical representation from 5 European countries (Belgium, Germany, Italy, Netherlands, Switzerland).

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