



## EDITORIAL

### Early tangible results for the EPOS project

Launched approximately one year ago, the EPOS project presents its first results. The first studies carried out in the project have confirmed that industrial symbiosis is a reality in many industrial clusters in Europe and has high potential in many others. Industrial symbiosis activities are proven to contribute to the transition to a circular economy by making industrial processes more efficient and more sustainable. Building on these first analyses, the 12 EPOS partners will work over the next three years with the goal of developing a management tool for industrial symbiosis (the EPOS tool).  
Enjoy reading about it!

The EPOS project team



## NEWS

### An EPOS video: industrial symbiosis in the south of France

The Lavera site, in the south of France, is the lead site of one of the EPOS clusters. In Lavera, industrial symbiosis is already happening. Thanks to EPOS, industrial synergies and potential collaborations in the cluster will be further explored and realised. Discover how in this short video...

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### Young graduates: the core of EPOS

More than 10 young graduates (YGs) are participating in the EPOS project. They are embedded within almost all partners and can be divided in two groups: the tech and LESS-tech. During the first year of the project the tech YGs got to understand the operations carried out within their companies in order to tackle the first major hurdle: applying the Osmose tool.

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## RESULTS



### Insights #1

It summarises the investigation of both the potential for industrial symbiosis in Europe, and the main requirements by local managers for implementing symbiotic initiatives.

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### Insights #2

This contribution details the preliminary technical as well as non-technical SWOT analysis on a selection of five European clusters in view of their potential for cross-sectorial collaboration.

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### Insights #3

Discover with this insight the long list of metrics and system settings selected via a joint effort of process industries and academia in view of enabling the development of an integrated industrial symbiosis methodology.

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### Insights #4

This insight summarises the data collection process carried out in the EPOS sites & clusters in order to build data capacity and knowledge per sector, and setting a common sector reference situation.

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### Insights #5

This insight focuses on the history, scope and growth of the Dunkirk cluster, located in the North of France.

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## COMPANIES



### EPOS, a way for INEOS to improve process efficiency

Over the past few years the pressure on resources has been constantly growing. Rising energy prices and climate change have created a need for the chemicals sector to find innovative solutions in order to reduce overall energy and resources consumption.

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### Industrial symbiosis a methodological key to Veolia's Circular Economy Strategy

Today Veolia proposes a Circular Economy range of offers to our industrial and municipal clients: a variety of solutions that loop material, water and energy cycles. Industrial symbiosis (IS) focuses on optimisation of these flows between different industries within a cluster or between the cluster and surrounding environment (e.g. district heating network). It aims to achieve decoupling between economic growth and environmental impact, generating new value for our clients and the environment.

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### A business approach to maximise the impact of industrial symbiosis in Europe

Despite well-known examples of industrial symbiosis such as Kalundborg in Denmark where 30plus different streams of physical resources, water and energy are shared between more than 10 different companies and communities, industrial symbiosis remains a marginal approach across industry sectors. Multi-sector eco-industrial synergies are infrequent, mostly isolated and limited in scale.

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