

EPOS WP 5 - Cross-Sectorial Validation

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Simulated IS potential study per cross-sector I

D5.2

EPFL

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Summary

The aim of the EPOS project is to develop a toolbox (tool and methodology) to identify, assess and support the implementation of symbiosis in industries. The aim of WP5 within the EPOS project is to assess the replicability of not only the solutions identified, but also the tools and methods developed and deployed in the EPOS project.

To identify the conditions that enable the reproduction of industrial symbiosis, replicability assessment protocols were defined to monitor the use of the EPOS toolbox in the EPOS clusters from the point of view of cross-sectorial validation and potential for replicability of the solutions found. This deliverable is focused on the first replicability test results.

3 types of replicability tests were selected and approved by EPOS partners:

- **Test 1 - Generalisation of results within sector:** to analyse the influence of different scales (or another variable parameter between two sites of the same sector).
- **Test 2 - Generalisation of results for two "matching" sectors:** to be a sensitivity analysis on matchmaking potential between sites of two different sectors.
- **Test 3 - Generalisation of a solution across sectors:** this is not based on a material flux exchange, but rather on a transfer of knowledge between industries. Symbiosis potential for replicability was analysed based on the replicability checklist developed by Veolia and presented in D5.1.

Tests will be improved and subsequently deployed in a wider scope of tests and scenarios for D5.3.