

## EPOS WP 2 – Sector analysis

**Lead: CEMEX**

Sector blueprints and IS potential including cost benefits

D 2.5

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## Summary

Deliverable 2.5 provides the building blocks of the virtual marketplace that is offered by the EPOS toolbox, which can become real if provided the right incentives. By using the information collected via LESTS surveys combined with the knowledge imbedded in the EPOS sector blueprints, D2.5 aims to achieve an understanding of the symbiosis potential of each EPOS industry.

D2.5 is the culmination of the tasks carried out under WP2 of the EPOS project. D2.5 builds upon the insights from the four previous deliverables of WP2: D2.1 (Sectorial and cross-sectorial KPIs), D2.2 (Map of potential IS streams), D2.3 (Sector blueprints and virtual market place) and D2.4 (Sector report and Data collection). D2.5 is mainly based on D2.2 where an inventory of the most promising sharable streams was made for each of the EPOS sectors based on the input from the industry and the economic valorisation of the sharable streams.

D2.5 provides the value of sharable streams from each of the EPOS industries (based on the valorisation method described in D2.2). The data is harmonised to show the fraction of the sharable streams per ton of end product (for steel and cement sectors) and per ton of raw material processed (for chemical and mineral sectors). To provide an understanding of the benefits to valorise the sharable streams, D2.5 enlists industrial symbiosis (IS) opportunities involving the sharable streams from each EPOS industry. An estimation of necessary costs in the form of CAPEX and OPEX is provided for specific technologies in relation to utilising the sharable streams. Finally, the waste heat sharing potential of each EPOS sector is calculated by using the EPOS sector blueprints.