

Accepted Manuscript

Improving biorefinery planning: integration of spatial data using exact optimization nested in an evolutionary strategy

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PII: S0377-2217(17)30051-6
DOI: [10.1016/j.ejor.2017.01.016](https://doi.org/10.1016/j.ejor.2017.01.016)
Reference: EOR 14197



To appear in: *European Journal of Operational Research*

Received date: 1 December 2015
Revised date: 26 October 2016
Accepted date: 10 January 2017

Please cite this article as: Tim Schröder, Lars-Peter Lauven, Jutta Geldermann, Improving biorefinery planning: integration of spatial data using exact optimization nested in an evolutionary strategy, *European Journal of Operational Research* (2017), doi: [10.1016/j.ejor.2017.01.016](https://doi.org/10.1016/j.ejor.2017.01.016)

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Highlights

- Integration of spatial data into the biorefinery planning process
- Optimization of location, capacity, and configuration considering spatial data
- Development of an exact nonlinear program nested inside an evolutionary strategy
- Algorithm tested on a case study planning a synthesis gas biorefinery in Germany

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