Morten Ryberg - DTU Orbit (06/03/2019)

Ryberg, Morten
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Department of Management Engineering - Assistant Professor
Quantitative Sustainability Assessment

Research outputs:

**Addressing bystander exposure to agricultural pesticides in life cycle impact assessment**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Development of a life-cycle impact assessment methodology linked to the Planetary Boundaries framework**
Ryberg, M. W., Owsianiak, M., Richardson, K. & Hauschild, M. Z. 2018 In : Ecological Indicators. 88, p. 250-262
Research output: Research - peer-review › Journal article – Annual report year: 2018

**How to bring absolute sustainability into decision-making: An industry case study using a Planetary Boundary-based methodology**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**LCA Applications**
Research output: Education - peer-review › Book chapter – Annual report year: 2017

**Mapping of global plastic value chain and plastic losses to the environment: with a particular focus on marine environment**
Research output: Research › Report – Annual report year: 2018

**Prospective Assessment of Steel Manufacturing Relative to Planetary Boundaries: Calling for Life Cycle Solution**
Research output: Research - peer-review › Conference article – Annual report year: 2018

**The 25th CIRP Conference on Life Cycle Engineering**
Research output: Research - peer-review › Book – Annual report year: 2018

**Advancing absolute sustainability assessments of products with a new Planetary Boundaries based life-cycle impact assessment methodology**
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

**Assessing environmental performance of hydrothermal carbonization of wet biomass at industry-relevant scales**
Research output: Research - peer-review › Journal article – Annual report year: 2016

**Challenges in implementing a Planetary Boundaries based Life-Cycle Impact Assessment methodology**
Ryberg, M., Owsianiak, M., Richardson, K. & Hauschild, M. Z. 2016 In : Journal of Cleaner Production. 139, p. 450-459
Research output: Research - peer-review › Journal article – Annual report year: 2016
Environmental performance of hydrothermal carbonization of four wet biomass waste streams at industry-relevant scales
Research output: Research - peer-review › Journal article – Annual report year: 2016

The development of an operational LCIA-methodology with impact categories based on the control variables in the Planetary Boundaries framework
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Opportunities and challenges for including Planetary Boundaries in Life-Cycle Assessment
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Power generation from chemically cleaned coals: do environmental benefits of firing cleaner coal outweigh environmental burden of cleaning?
Research output: Research - peer-review › Journal article – Annual report year: 2015

The need for an established allocation method when assessing absolute sustainability on a product level
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Assessing the environmental impacts of using demineralized coal for electricity generation
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Updated US and Canadian normalization factors for TRACI 2.1
Ryberg, M., Vieira, M. D. M., Zgola, M., Bare, J. & Rosenbaum, R. K. 2014 In : Clean Technologies and Environmental Policy. 16, 2, p. 329-339
Research output: Research - peer-review › Journal article – Annual report year: 2013

Characterizing exposure of bystanders and residents to pesticides applied in agricultural fields
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

Projects:

Abso-vand: Absolute Sustainability Assessment of VandCenter Syd
Ryberg, M.
01/06/2018 → 31/03/2019
Project: Research

Assessing the absolute environmental sustainability of products and systems
Vea, E. B., Hauschild, M. Z. & Ryberg, M.
15/11/2018 → 14/11/2021
Project: PhD

Integration of boundaries for selected planetary threads into life cycle assessment
Ryberg, M., Hauschild, M. Z., Owsianiak, M., Olsen, S. I., Sala, S., Richardson, K. & Cornell, S. E. Technical University of Denmark
15/12/2014 → 30/09/2018
Project: PhD
Activities:

**Operationalize Planetary Boundaries in LCA Workshop**
Ryberg, M. (Invited speaker), Hauschild, M. Z. (Invited speaker)
13 Dec 2018
Activity: Talks and presentations › Conference presentations

**Marine Plastics Value Chain Mapping, Plastic Losses, and Hotspots**
Laurent, A. (Invited speaker), Ryberg, M. (Invited speaker), Hauschild, M. Z. (Invited speaker)
15 Feb 2018
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations