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## **Software and data for circular economy assessment**

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## CURRICULUM VITAE

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Franco Donati was born in Sassari, Italy where he obtained a high school diploma from the trade school “Istituto Statale D’Arte Filippo Figari” with a focus on photography and graphic design in 2005.

In 2010, he obtained a bachelor's degree in industrial design from the Polytechnic of Turin (Italy) under the faculty of Architecture. His graduation thesis was titled “The eco-sustainability of toys: meta-analysis and validation of design guidelines”.

From 2012 to 2014 he worked as product design engineer for the development of renewable energy technologies in Santa Barbara, California (USA) with a special focus on solar and marine technologies such as residential heating and wave energy converters.

In 2014, he moved to the Netherlands to participate in the MSc of Industrial Ecology where he graduated in 2017 with a thesis titled “Modelling the Circular Economy in Environmentally Extended Input-Output”.

In 2017, he began his work as a PhD student at Leiden University Institute of Environmental Sciences (CML) of which this thesis is the outcome. During his PhD he acted as project manager of the RaMa-Scene project funded by the European Institute of Technology (EIT) RawMaterials.

In July 2021 he began working as a researcher in the Getting the Data Right project funded by the Danish KR Foundation, where he continues investigating ways of facilitating and promoting accessibility of detailed data on the economy and the environment for the purpose of sustainability policies.

In 2022 he began working as a Data Editor for the Journal of Industrial Ecology and acquired together with Dr. Stefano Cucurachi the EU funded project H2Steel concerning the environmental assessment at micro and macro level of novel technologies for the use of hydrogen in steel manufacturing.

## LIST OF PUBLICATIONS

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**Donati, F.**, Dente, S. M. R., Li, C., Vilaysouk, X., Froemelt, A., Nishant, R., Liu, G., Tukker, A., & Hashimoto, S. (2022). The future of artificial intelligence in the context of industrial ecology. *Journal of Industrial Ecology*, 00, 1– 7. <https://doi.org/10.1111/jiec.13313>

**Donati, F.**, Tukker, A. Environmental Pressures and Value Added Related to Imports and Exports of the Dutch Agricultural Sector. *Sustainability* 2022, 14, 6057. <https://doi.org/10.3390/su14106057>

**Donati F.**, Niccolson S.I., Koning A. de, Daniels B., Christis M., Boonen K., Geerken T., Dias Rodrigues J.F. & Tukker A. (2021), Modeling the circular economy in environmentally extended input-output: a web application, *Journal of Industrial Ecology* 25(1): 36-50.

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**Donati F.**, Aguilar-Hernandez G.A., Sigüenza-Sánchez C.P., Koning A. de, Dias Rodrigues J.F. & Tukker A. (2020), Modeling the circular economy in environmentally extended input-output tables: Methods, software and case study, *Resources Conservation and Recycling* 152: 104508.

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Aguilar-Hernandez G.A., Sigüenza-Sanchez C.P., **Donati F.**, Rodrigues J.F.D. & Tukker A. (2018), Assessing circularity interventions: a review of EEIOA-based studies, *Journal of Economic Structures* 7(14): 1-24.

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