

## Virtual stakeholder workshop

### Quantifying emissions and environmental impacts of pesticides in life cycle assessment: Building on the pesticide consensus effort

**When?** 13 October 2020, 12:30-15:30 CEST

(before the LCA Food conference opening ceremony)

**Where?** Virtual meeting (free registration at <https://conferencemanager.events/olcapest-2020>)

**Background:** Current pesticide field emission modelling and toxicity characterisation approaches suffer from several shortcomings, including unclear boundaries between Life Cycle Inventory (LCI) and Life Cycle Impact Assessment (LCIA) phases, environmental compartment mismatches between LCI databases and LCIA methods, as well as missing characterisation factors, compartments in impact assessment, and impact pathways. The [Glasgow consensus](#) workshop in 2013 started a consensus building process with three scientific workshops and a stakeholder workshop. In order to operationalise the resulting recommendations for harmonising the emission quantification and impact characterisation of pesticides in life cycle assessment (LCA) and product environmental footprinting, the [OLCA-Pest](#) project ("Operationalising Life Cycle Assessment for Pesticides", 2017-2020, funded by ADEME) was implemented with nine partner institutions. The present workshop informs about the main outcomes of the OLCA-Pest project and the consequences for LCI databases, LCIA assessment and LCA practice related to assessing pesticides in LCA.

#### Goals of the workshop:

- Inform about the main outcomes and recommendations from the OLCA-Pest project as follow-up of the 'pesticide consensus in LCA' effort
- Show the practical implications for LCI database developers, LCA software providers, LCA practitioners and decision makers
- Show potentials and limitations of the proposed methodology, data and tools
- Show the practical usage of the tools and methodologies developed within OLCA-Pest along LCA case studies in different agricultural systems

#### Who is concerned?

Open to all interested parties, but particularly targeted to:

- LCI database developers
- LCA software providers
- LCA practitioners and researchers across sectors
- Decision makers and sustainability managers from companies

**Programme:**

Time	Topic	Presenter
12:30	Welcome	V. Colomb
12:40	Overview of the OLCA-Pest project	P. Fantke
12:55	Model linking, default emission fractions, recommendations for LCI DB and LCA practitioners	T. Nemecek
13:20	PestLCI Consensus web tool: Potentials, limitations and practical usage	C. Melero
13:45	<i>Break</i>	
	LCA case studies:	
14:05	Grape wine production	C. Renaud-Gentié P. Naviaux A. Anton
14:30	Tropical crops	C. Gentil-Sergent
14:45	Arable crops	T. Nemecek
15:00	Learnings from the case studies, interpretation of toxicity results, potentials, limits and sensitivity of the models	C. Basset-Mens P. Fantke A. Anton
15:15	Outlook and need for future research	P. Roux
15:30	End of workshop	

**Registration:**

The workshop participation is free. To get the link to access the virtual meeting, please register at <https://conferencemanager.events/olcapest-2020>

On behalf of the OLCA-Pest project team:

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<http://www.sustainability.man.dtu.dk/english/research/gsa/research/research-projects/olca-pest>

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