



## Second stakeholders meeting InDIRECT project Amiens, November 15<sup>th</sup> 2018

### About InDIRECT

InDIRECT is a European applied research project that is exploring new value chains based on underspent organic side streams. One of the objectives is the development of indirect cascading biorefinery processes for converting a variety of underspent side streams into useful marketable products. As a first step in the biorefinery, insects are used for the homogenisation of these streams. In a next step the insect biomass is fractionated into crude extracts, which are purified and converted in a last step. The biorefinery processes are being optimized to increase the conversion efficiency (product/ton biomass input) and maximise the values of the feedstock (euro/ton biomass input). Further, different application areas like feed, chemistry and food are being explored for the extracted compounds. The project takes into account the whole value chain and the associated economic, environmental, legal and practical aspects and lab to pilot.

InDIRECT contributes to 'management of waste as a resource' and intends to accelerate innovation and market uptake of bio-based products.

### Aim of the stakeholders meeting

- Informing stakeholders about the InDIRECT project idea and the results obtained so far.
- Interact with stakeholders to learn their opinion and needs related to the topic.
- Work toward a business model for valorisation of the InDIRECT findings

### Programme

- 10:00 Coffee
- 10:25 Welcome by Michel Lopez, IMPROVE (France)
- 10:30 InDIRECT project aims & selected results – Leen Bastiaens, Project coordinator, Flemish Institute for Technological Research (Belgium)
- 11:00 EU regulation regarding insects in feed and food – Johan Jacobs, Millibeter (Belgium)
- 11:30 Advantages & challenges provided by insects in food & growing aspect – Natasja Gianotten, Protifarm (The Netherlands)
- 12:00 Advantages & challenges provided by use of insects in feed – Geert Bruggeman, Nutrition Sciences (Belgium)
- 12:30 Discussion - future & next steps
- 13:00 Lunch

### Venue

Agence Régionale de Développement et d'Innovation Hauts-de-France  
Address : 41 avenue Paul Claudel ; 80480 Dury (France)



This project has received funding from the Bio Based Industries Joint Undertaking under the European Union's Horizon 2020 research and innovation programme under grant agreement No 720715.

