

Insectinov 2

October 10th, 11th & 12th 2017

Biocitech Romainville-Grand Paris





Valorial 🌠







Programme

Tuesday, October 10th 2017

9:00 Opening coffee

9:25 Welcome address, Manuel GEA, Adebiotech; Samir MEZDOUR, AgroParisTech

9:30 Keynote address

Paul VANTOMME, Senior Forestry Officer, FAO

Opportunities and Constraints of Farming Insects for Food: a global overview

10:15 – 3:10 SESSION 1 – Insect rearing from research to industrial production

Coordinators: Philippe LE GALL, IRD et Frédéric MARION-POLL, AgroParisTech

10:15 Philippe LE GALL, IRD et Frédéric MARION-POLL, AgroParisTech Domesticating insects? How, why do it?

10:45-11:15 Coffee break / Posters on display / Exhibition

- 11:15 **Longyu ZHENG**, State Key Laboratory of Agricultural Microbiology, Huazhong Agricultural Univ. China *Insect mass breeding and biorefinery technology to produce protein and by-products*
- 11:45 Fogoh John MUAFOR, Living Forest Trust, Cameroon et Mélanie RAMNUTH, Experts-Solidaires Insect production chain in Cameroon and setting-up cricket rearing in Benin
- 12:15 Valéry BONNET, Delta Neu

 Ventilation and heat-elimination system for insect rearing
- 12:35 Franck LAUNAY, IPSB

 The constraints of the scale up of insect production
- 12:55 Anne DEGUERRY, Entofood
 From research to industrial insect production: Difficulties and Challenges of moving to scale

1:15-2:30 Buffet / Posters on display / Exhibition





2:30 Jérôme COSTIL, Mutatec

Which types of biomass can be valorised by ento-conversion? Stockpiles, regulatory, technical and economic constraints

2:50 Damien MOREL, APPI

Different production systems for insect rearing

3:10-6:00 SESSION 2 – Insect health and health safety

Coordinator: Christina NIELSEN-LEROUX, INRA

A) Insect health

3:10 Jørgen EILENBERG, University of Copenhagen

Natural enemies of insect production systems: where are risks and how can we address the risks?

3:30 Christina NIELSEN-LEROUX, INRA

Role of food and microbiota on insect health

3:50 Anne-Nathalie VOLKOFF, DGIMI and Mylène OGLIASTRO, INRA

Metagenomics: a tool to develop the health diagnosis of insect breeding

4:10 Claire BEAUVAIS, Bee-keeping Veterinarian

Biosafety applied to insect rearing for human and animal food

4:30-5:00 Coffee break / Posters on display / Exhibition

B) Health safety

5:00 Christophe TRESPEUCH, Mutatec

Insects, a safe and healthy raw material for animal feed: example of the CertiFLY project

5:20 Jean-Philippe DESLYS, CEA

Ensuring health safety for organic wastes fed to insects and for end-products

5:40 Justine COURTOIS, ASBL CRIG

Entomophagy: what about allergies?

6:00 Photo-op with posters

6:00 Pascal SAINT-VAL, Green Technologies

QUALISTA® cereal products: an innovative solution for the safety of insect breeding

6:05 Michel SAUVAIN, Institut de Recherche pour le Développement

Isolation of microorganisms with antimicrobial activity from the digestive tract of Hermetia illucens larvae

6:10 Kevin HIDALGO, INRA

Evaluation and control of chemical risk for the valorisation of insects in animal feed

6:15 Isabelle LERICHE, VIRBAC NUTRITION

Assessment of the palatability and digestive tolerance in dogs of a new diet based on insect as the protein source

6:20 Camille LOUPIAC, AgroSup Dijon, Equipe PCAV, UMR PAM

Structural studies on soluble insect proteins extracted from Tenebrio Molitor larvae

6:25 Samir MEZDOUR, AgroParisTech

Insect biorefinery - Insects as animal feed- PROJECT DESIRABLE

6:30 Photo-op with stands

APPI

Flottweg France

Haarslev Industries

HF Group

Micronutris

Monts

9.00-12.00 SESSION 3 – Prospects in human and animal food

3.00 .	12.00 Session S 170spects in naman and animal roca
Coordi	nator: Samir MEZDOUR , AgroParisTech
9:00	Samir MEZDOUR, AgroParisTech Transformation processes of insect larvae for ingredients preparation
9:20	Grégory LOUIS, Entomo Farm Insect-based materials and their markets
9:40	Guillaume GRAS, InnovaFeed Worth and relevance of insect proteins for feeding salmonids
10:00	Christine BUREL, INRA et Michel LESSIRE, INRA Feeding value of insect meals in trout and poultry: digestibility and effect on quality of products
10:30	Nicolas CÉSARD, MNHN et Esther KATZ, IRD-PALOC PARIS Changes and acceptability in food consumption
11:00-	11:20 Coffee break / Posters on display / Exhibition
11:20	Charlotte FLORET, AgroParisTech-JIMINI'S Texturization of insect proteins and explanation for choosing the insteak
11:40	Maylis RADONDE, Micronutris Quality system for the edible insect industry
12:00	-4:00 SESSION 4 – Environmental, economic and societal approach in order to assess the relevance of each sector
Coordi	nators: Philippe SCHMIDELY , AgroParisTech et Sandrine DEREUX , Pôle de compétitivité IAR
12:00	Patricia LE CADRE, Céréopa Protein autonomy of livestock farms: sustainability first
12:30	Philippe SCHMIDELY, AgroParisTech Economic approach to the valorization of insect meal in animal feed
12:40	2:00 Buffet / Posters on display / Exhibition

2:00 Marc BARDINAL, ADEME

Insects: from production to consumption, an assessment of the industry

- 2:20 Lars-Henrik HECKMANN, Danish Technological Institute inVALUABLE: Insect Value Chain in a Circular Bioeconomy
- 2:40 Catherine MACOMBE, IRSTEA et Joëlle AUBIN, INRA

 Valorisation scenarios for insect rearing designed in the DESIRABLE project
- 3:10 Leen BASTIAENS and Maarten UYTTEBROEK, VITO

 Direct and indirect biorefinery technologies for conversion of organic side-streams into multiple marketable products BBI-InDIRECT project
- 3:30 Florian NOCK, JIMINI'S

 The insect in all its forms; a marketing and didactic approach of new protein sources
- 3:50 Sylvaine PORET, INRA

 Consumers' acceptability of insect meal in animal feed

4:30-5:40 Round table – Regulatory challenges for the industry: valorisation, the use of byproducts for a circular economy

Coordinators: Maelenn POITRENAUD, Veolia et Jean-Philippe DESLYS, CEA

Brigitte HEIDEMANN, DGAL
Antoine HUBERT, IPIFF
Philippe LE GALL, IRD
Frédéric MARION-POLL, AgroParisTech
Philippe SCHMIDELY, AgroParisTech
Ariane VOYATZAKIS, BPI France

5:40 Closing conference

6:00 Conclusions
Samir MEZDOUR, AgroParisTech

Thursday, October 12th 2017

9:00-1:00 Workshops

CycleFarms

How to set up and start off one's own black soldier fly farm?

- Hermetia's reproduction / Breeding larvae / Use and transformation
- Construction and demonstration to learn how to run this farm

JIMINI'S

How to consciously incorporate insects into our nutrition?

- Come and test insects in all their forms and discover how to make oneself familiar with insects in order to make them accepted in our daily food
- Simple and quick cooking workshop

Micronutris

Qualitative study of the development of a new food product

- Presentation of market opportunities and technical constraints with the development of a new insectbased food product
- In this workshop, you will be part of a focus group whose aim will be to realistically determine the next product to be launched by Micronutris