

## The challenges for a sustainable PHA value chain: from an industrial and social perspective

### Agenda of Day 1: The challenges to come for the PHA value chain

**8:30 – 9:00 Welcoming**

**8:45 – 9:05 Introduction and presentation of NENU2PHAR – Opening of the workshop**

Jean-François SASSI, CEA  
Mathieu LIONS, IPC

**9:05 – 9:35 Bioplastic for food packaging industry – An industrial Roadmap**

Anne PITKOWSKI, BEL

**9:35 – 9:55 What an interesting world of bioplastics?**

Patrick GERRITSEN, BIO4PACK

**10:10 – 10:30 Industrialization of PHA – production volume and perspective**

Bertrand THOLLAS, POLYMARIS

**10:35 – 10:55 PHBV production from waste streams – Perspective and upscale**

João SOUSA, PAQUES BIOMATERIALS

**11:00 – 11:20 Tailor made biosynthesis of PHA: towards polymers with controlled properties**

Stéphane BRUZAUD, UNIVERSITY OF SOUTH BRITTANY

**11:25 – 11:45 Preventing microplastics pollution; PHA materials are coming!**

Ruud ROULEAUX, Helian Polymer / PHAradox

**11:50 – 12:20 Amorphous PHA – the key to turning the soil biodegradability speed of polymer compounds**

Hugo VUURENS, CJ-Bio

**13:30 – 13:55 What is the future of biomaterials in the current and coming legislation**

Sylvie MOISON, LIGEPACK

**14:00 – 14:25 Sorting of biomaterials: state of the art and perspective**

Antoine BOURELY, PELLENC

**14:30 – 15:30 End of life of PHA based bioplastics**

- Biodegradation in marine media: UNIVERSITY OF SOUTH BRITTANY
- Home & industrial compostability: ITENE
- Biotechnology enzymatic recycling: ITENE
- Mecanical recycling: IPC
- Eco-design for the end of life: LOMARTOV

**15:15 – 15:35 What are the conditions for household plastic packagings to be recycled?**

Hélène HAGEN & Lou COLOMBET, VALORPLAST

**16:15 – 17:15 Pannel discussions**

With the participation of the speakers present during the day

- **Part 1: Strengthening the industrializing of PHA (production and properties)**
- **Part 2: What is still lacking for industrials to switch to bioplastics ?**

**17:20– 18:20 Visit of IPC and presentation of the different lines (MNL, Meteor, Sorting and Recycling)**

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### Agenda of Day 2: Co-creation of bio-based plastics acceptability, animated by LOMARTOV

**9:00 – 9:20** Workshop opening and brief project presentation

**9:20 – 9:40** Design thinking for social acceptability of NENU2PHAR products

**09:40 – 10:00** Roundtable to introduce the participants

**10:00 – 10:40** Working on teams – Exploration phase

What are the obstacles for bio-based products adoption?

**11:00 – 11:20** Working on teams: Ideation phase 1

How to overcome the issues depending on the type of actors in the plastic value chain?

**11:20 – 12:00** Working on teams: Ideation phase 2

How to overcome the issues depending on the type of actors in the plastic value chain?

**13:00 – 13:50** Working on teams: Prototyping phase

The most relevant criteria for bio-based plastics' acceptability

**13:50 – 14:30** Plenary presentation of the prototyped results

**14:30 – 15:00** Session closing and farewell



# DAY 2

April, 5th 2023, Alençon

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