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Research Engineer (2023-2026)
Cellulose Valley – LGP2
(director: Julien Bras)

Short term innovation team project coordinator in *Cellulose Valley* for new cellulose based high performance recyclable packaging

Coordinatrice projets à la Cellulose Valley pour l'équipe d'innovations court-terme pour des nouveaux emballages cellulodiques, performants et recyclables.

MatBio

Context / Objectives

A story of Single-use plastics regulations to limit global warming:

- 2018: SUP (Single Use Plastics) directive for European countries.
- 2019: AGECE (Anti-Gaspillage pour une Economie Circulaire) law in France.
- 2024: PPWR (Packaging and Packaging Waste Regulation) for European countries.

Need for sustainable packaging solutions:

- Cellulose is a 1st choice candidate to design bio-based packaging.
- Biodegradable, recyclable in paper/carboard stream, naturally present on earth.



Need improvement to meet packaging requirements



Cellulose Valley chair: Innovation to serve society expectations.



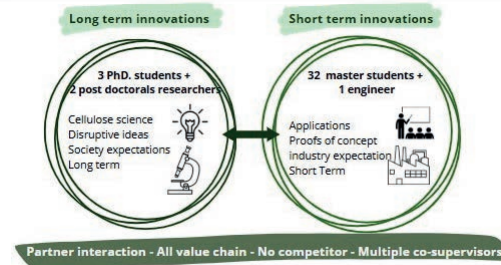
Methods

Long-Term innovations team:

- 3 PhD students.
- 2 study engineers.

Short-term innovation team:

- 32 Proofs of concept** to design bio-based packaging, resistant, biodegradable and recyclable.



Scientific communications:

- Webinaire (CELLIENCE), 500 suscriptions.
- Disseminations in special events and congresses.



Results

Mid-term Chair report:

- Discover and understand all our applications and concerns in our mid-term report.



- Since 2022: 23 innovative bio-based packagings development.

