

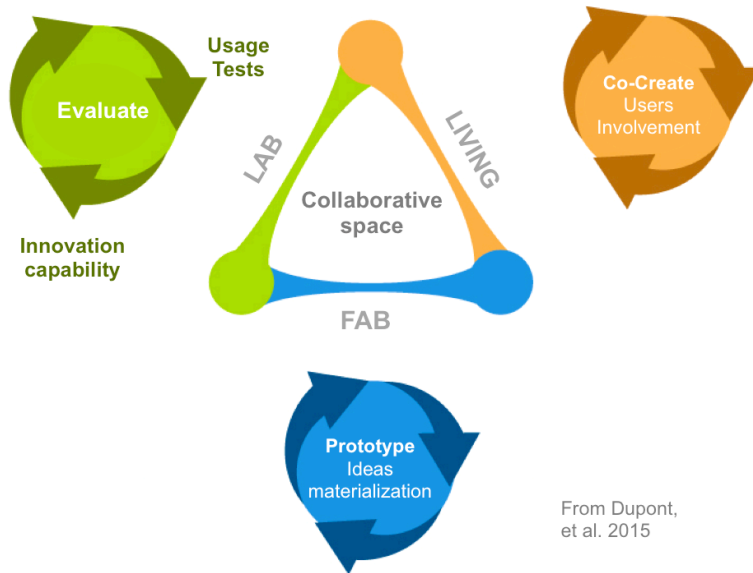
Green Fablab / Front end of innovation

=> Appel (s) 2019-2020 visé(s) dans le(s) programme(s) de travail d'Horizon 2020

- ⇒ [Understanding the transition to a circular economy and its implications on the environment, economy and society](#) CE-SC5-25-2020
- ⇒ [Develop and pilot circular systems in plastics, textiles and furniture sectors](#) CE-SC5-28-2020

Session « Plastiques » dans Horizon 2020
Lyon, le 23 septembre 2019

A **Multidisciplinary** team in **Industrial Engineering** specialized in the study of innovation processes



45 Members (average)

24 permanent researchers

(10 full Pr., 13 associated Pr, 1 Research engineer)

1 Studies engineer

2 Postdoc

3 Temporary lecturers

2 Admin.

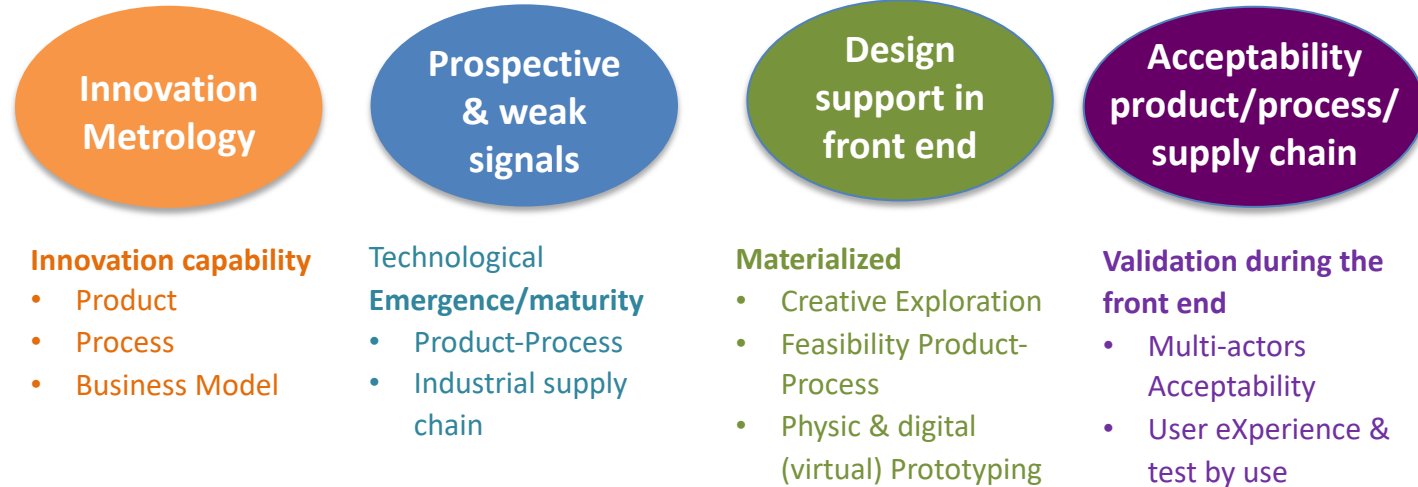
15 PhD students

CNU Sections: 60, 61, 62, (70, 06)



Creator of methods & tools supporting innovation process

Research domain: Front end of innovation



IIP- Potential innovation index
IIE Export through innovation index
TLB+ Sustainability Index

MRT – Resource Management
Technological Roadmap
Agile supply chain

Creativity / 2 days to generate ideas
Need analysis / DESTINEED

Fab Living Lab approach

Projects

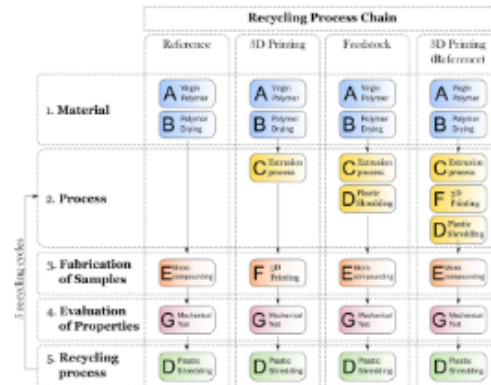
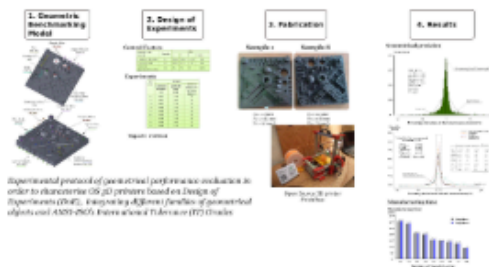
- H2020 | Factory of the Future DT-FOF-05-2019 → The transfer to industrial companies of the Do It Yourself (DIY)
- H2020 | Smagrinet: creating a smart grid competence hub.
- Erasmus+ | Capacity Building in the field of Higher Education 2019



Green FAB LAB

<http://lf2l.fr/projects/green-fablab/>

- *Expertise on plastic recycling for open-source 3D printing to create a distributed and closed-loop recycling.*



Towards a standard protocol for 3D printers

This paper deals with the development, manufacture and testing of a geometrical benchmarking model (GBM) in order to evaluate the geometrical accuracy performance of open

Polymer recycling for 3D printing

A general methodology to evaluate the recyclability of thermoplastics used as feedstock in open-source 3D printing machines is proposed.

Closed-Loop supply chain for distributed recycling process

A conceptual model is developed and proposed for the collection process in a Closed Loop Supply Chain (CLSC) network of local and distributed plastic recycling.

Coordonnées

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