

# Accelerate product LCA as a manufacturer.



Damien  
Imschoot



Julien  
Soulhat



# An international industrial company

Including seven innovation and technology centres driving innovative solutions. In 2024 :

>160 Sites: plants, quarries, offices.

45 Operating countries.

7 Innovation Technology Centres.

~13,500 Teammates.

3,777 EUR million Revenue.

Operating country Other countries with teammates Export country

# Market intimacy as the cornerstone of our structure

Four global divisions and main commercial brands – each targeting a well-defined business segment





# Sustainability is Etex's third recent large strategic shift

**1905-1950**  
Geographic  
expansion



**As of 1951**  
Technological  
diversification



**2003**  
**Split of the group**  
into two entities



**2012 – Today**  
**Lightweight**  
**construction** focus



**2020 - Today**  
**Sustainability**  
transformation



# A solid and fully integrated R&D powerhouse

Consistent and substantial yearly investment in innovation

Tisselt, Belgium



Kapelle-op-den-Bos, Belgium



Rødning, Denmark



Avignon, France



Heidelberg, Germany



El Pla, Spain



Linz, Austria



## 7 Innovation Technology Centres (ITC)

working together, with a unique portfolio of technologies.



Lightweight construction

Avignon



Building boards and systems

Avignon, Kapelle-op-den-Bos



Compounds and sprays

Avignon



Insulation and passive fire protection

Tisselt, Avignon



Coating, adhesive and intumescent

Rødning, Tisselt



Roofing, decking and façades

Kapelle-op-den-Bos



Thermal and acoustic insulation

El Pla, Avignon

# Our R&D focus lay on four main pillars

We keep increasing our competence and efficiencies

## Market

- Megatrends
- Business needs
- Innovation plans

## R&D pillars



R&D excellence programme  
and People engagement

## Technology

- Open innovation
- Sustainability boost
- Digitalisation



## 2. Our EPD journey.



# Key drivers for our EPD journey



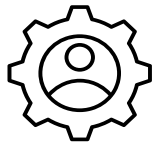
Comply with embodied carbon legislations (on building level)



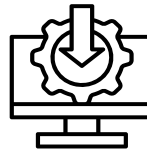
Meet regulatory requirements



Benchmark with other product EPDs



Customers request transparent information



Input for scope 3 calculation of the value chain



Use in Green Building Certifications to gain more credits



# Our EPD journey

## Until 2021

LCA and EPDs  
fully  
outsourced



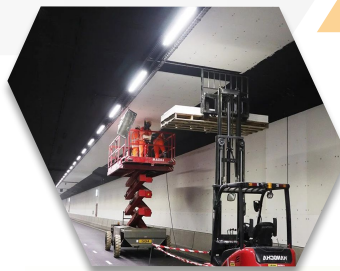
## 2022

Internalise all  
EPD creation in  
R&D



## 2022 – Today

Use  
OneClick LCA



## 2025

74% European Sales  
covered by EPD



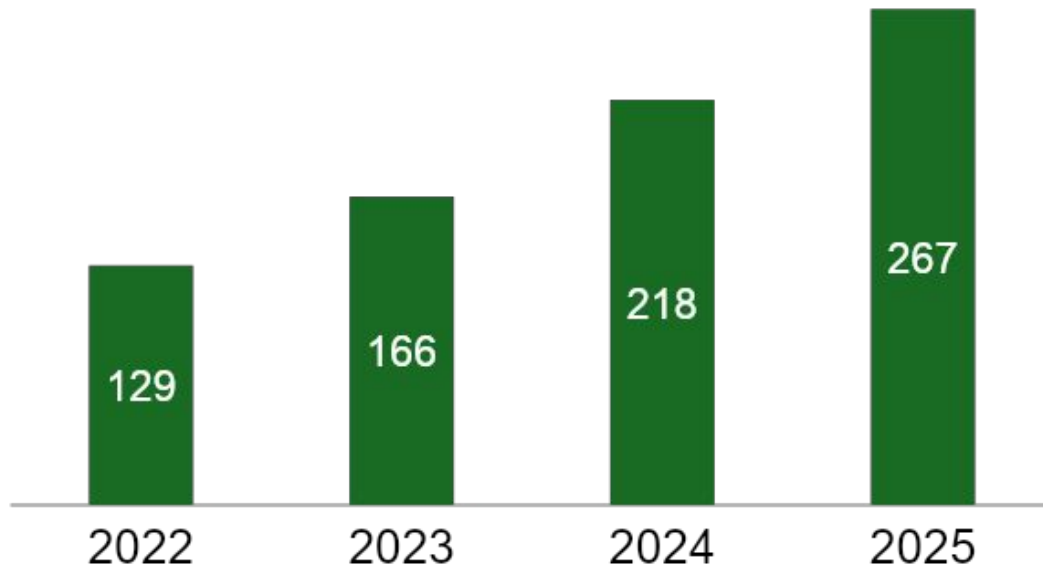
## 2026 onwards

LCA insights lead to  
greater innovation



## Our EPD trend

Number of EPDs published \*



\*Excluding URSA

Note: on average we do at least 4 LCAs per EPD



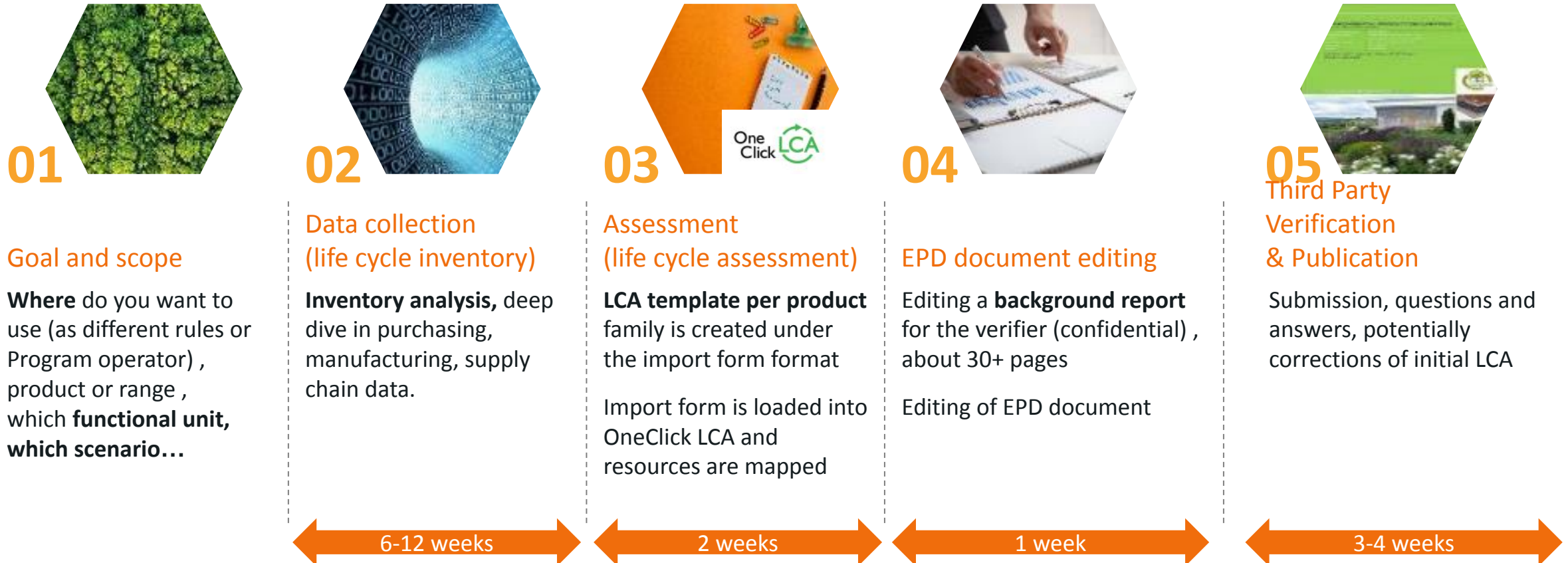
### 3. From EP creation LCA insight





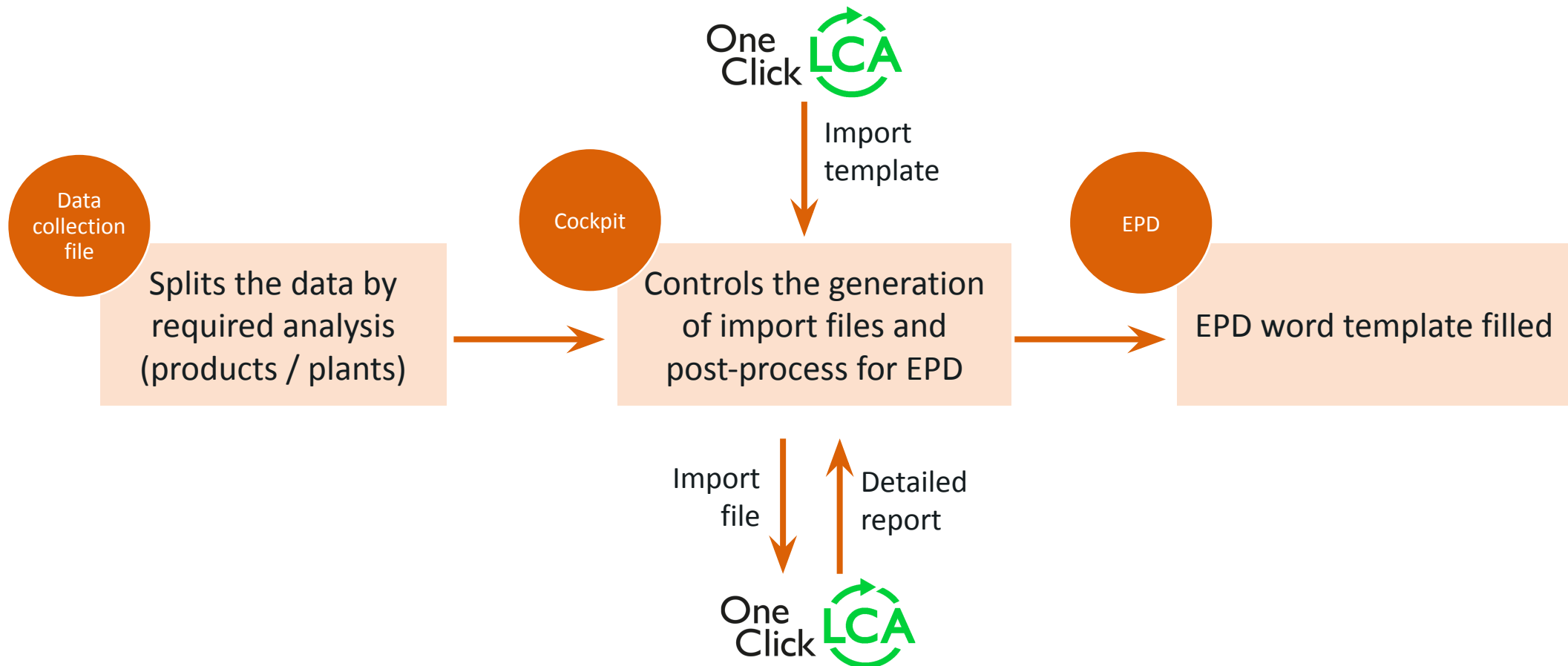
# Our EPD creation process

What the EPD owner needs to do to get an EPD?



# Our scaled EPD creation process

Basic automation using Excel capabilities



# Spending less time on EPDs and more time on LCA analysis

## LCA for product development

- The "A1-A3" carbon footprint of a Siniat Standard BA13 plasterboard in France is 0.77 kgCO<sub>2</sub>eq/m<sup>2</sup>

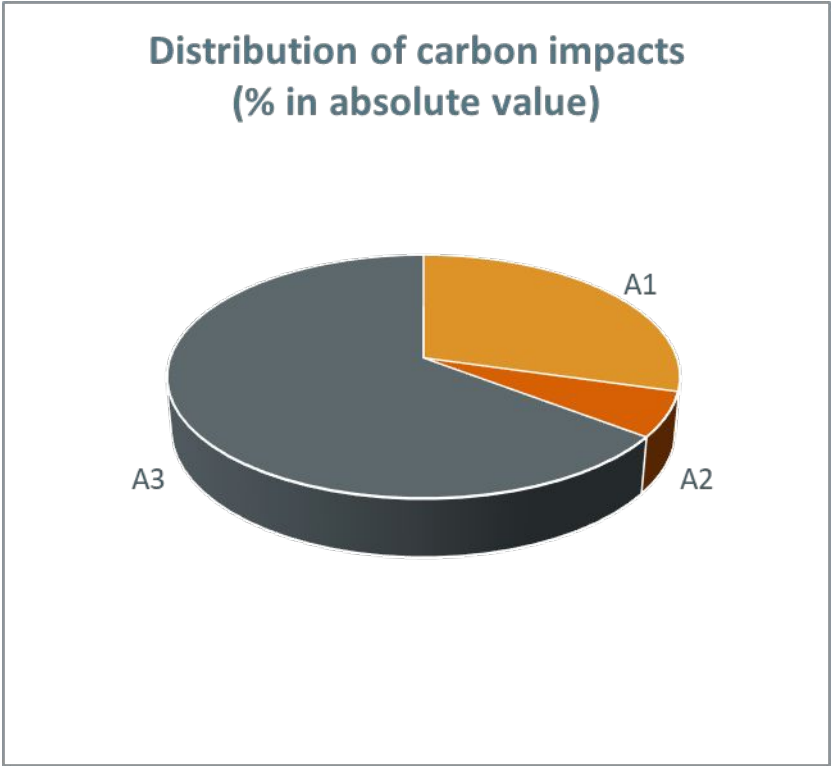
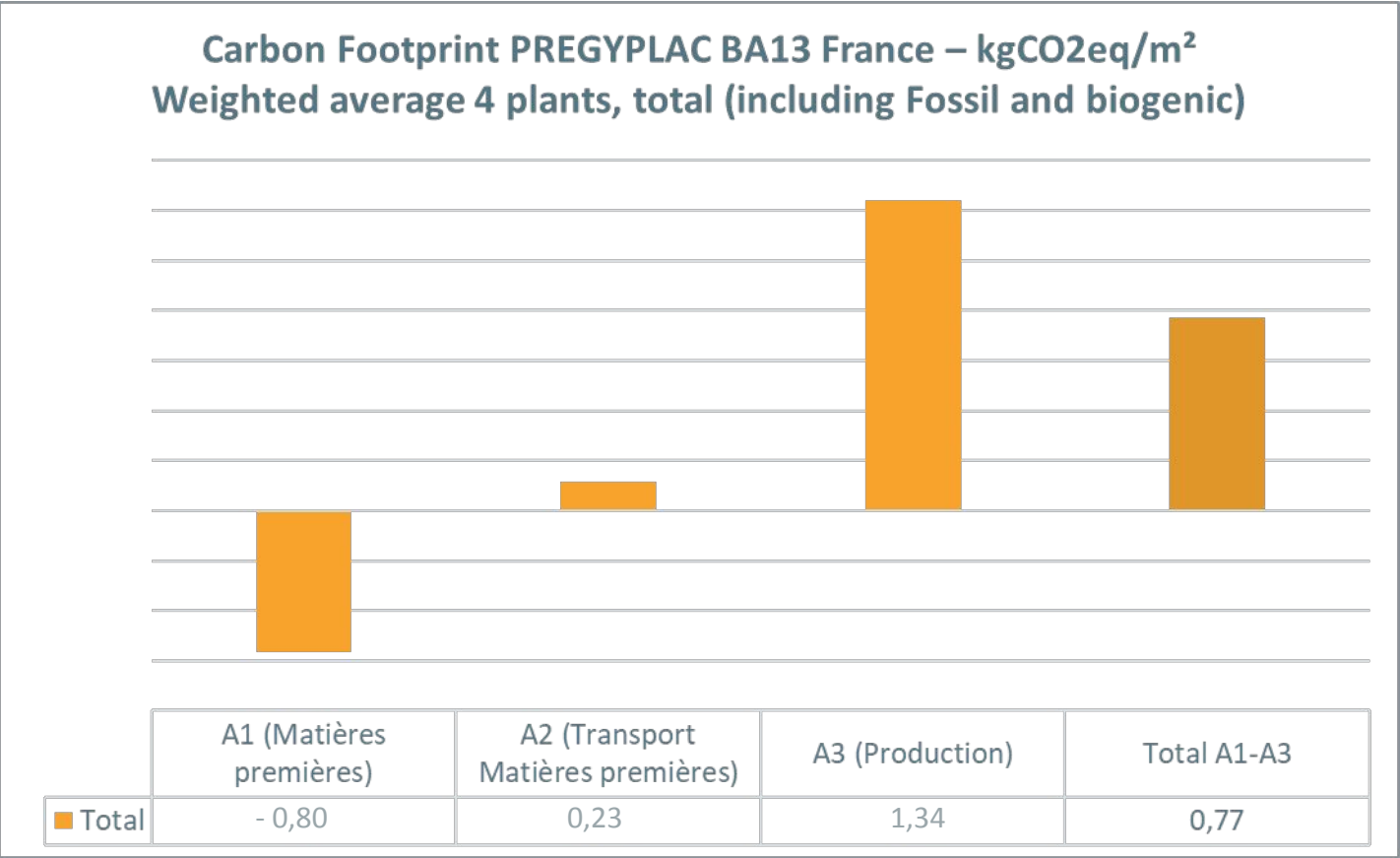
### RESULTATS DE L'ANALYSE DE CYCLE DE VIE

Impacts Environnementaux	INDICATEURS d'IMPACTS ENVIRONNEMENTAUX DE REFERENCE														
	Etape de production	Etape de construction		Etape d'utilisation							Etape de fin de vie				D Bénéfices et charges au-delà des frontières du système
	A1 / A2 / A3	A4 Transport	A5 Installation	B1 Utilisation	B2 Maintenance	B3 Réparation	B4 Remplacement	B5 Réhabilitation	B6 Utilisation de l'énergie	B7 Utilisation de l'eau	C1 Déconstruction / démolition	C2 Transport	C3 Traitement des déchets	C4 Elimination	
Changement climatique - total kg CO <sub>2</sub> equiv/UF	7,72E-01	1,03E-01	2,51E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	5,58E-02	2,82E-01	6,23E-01	-2,73E-01
Changement climatique – combustibles fossiles kg CO <sub>2</sub> equiv/UF	1,66E+00	1,03E-01	1,98E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	5,58E-02	3,18E-02	3,43E-02	1,67E-02
Changement climatique - biogénique kg CO <sub>2</sub> equiv/UF	-8,90E-01	4,15E-05	5,23E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,50E-01	5,89E-01	-2,90E-01
Changement climatique – occupation des sols et transformation de l'occupation des sols kg CO <sub>2</sub> equiv/UF	4,73E-03	3,99E-05	4,15E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,34E-05	7,56E-06	3,24E-05	-1,57E-06



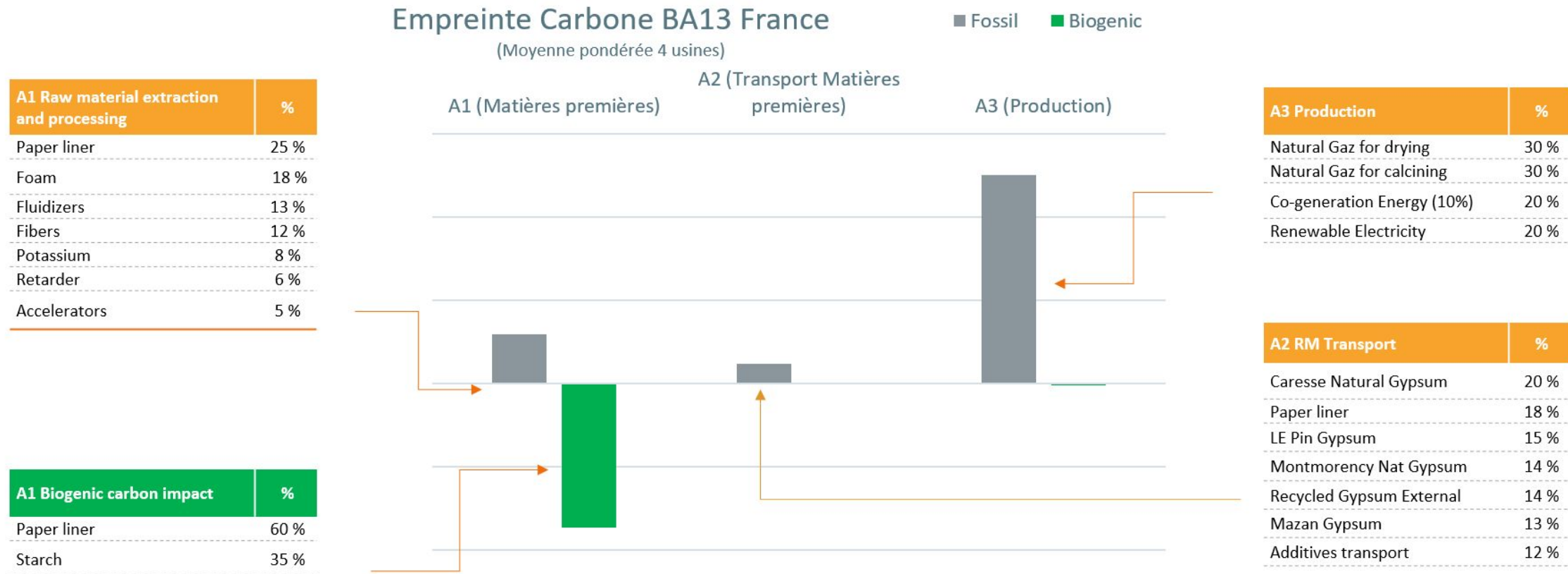
# From our LCA analysis

The internalization of the EPDs allows us to precisely measure each impact, and to follow it...



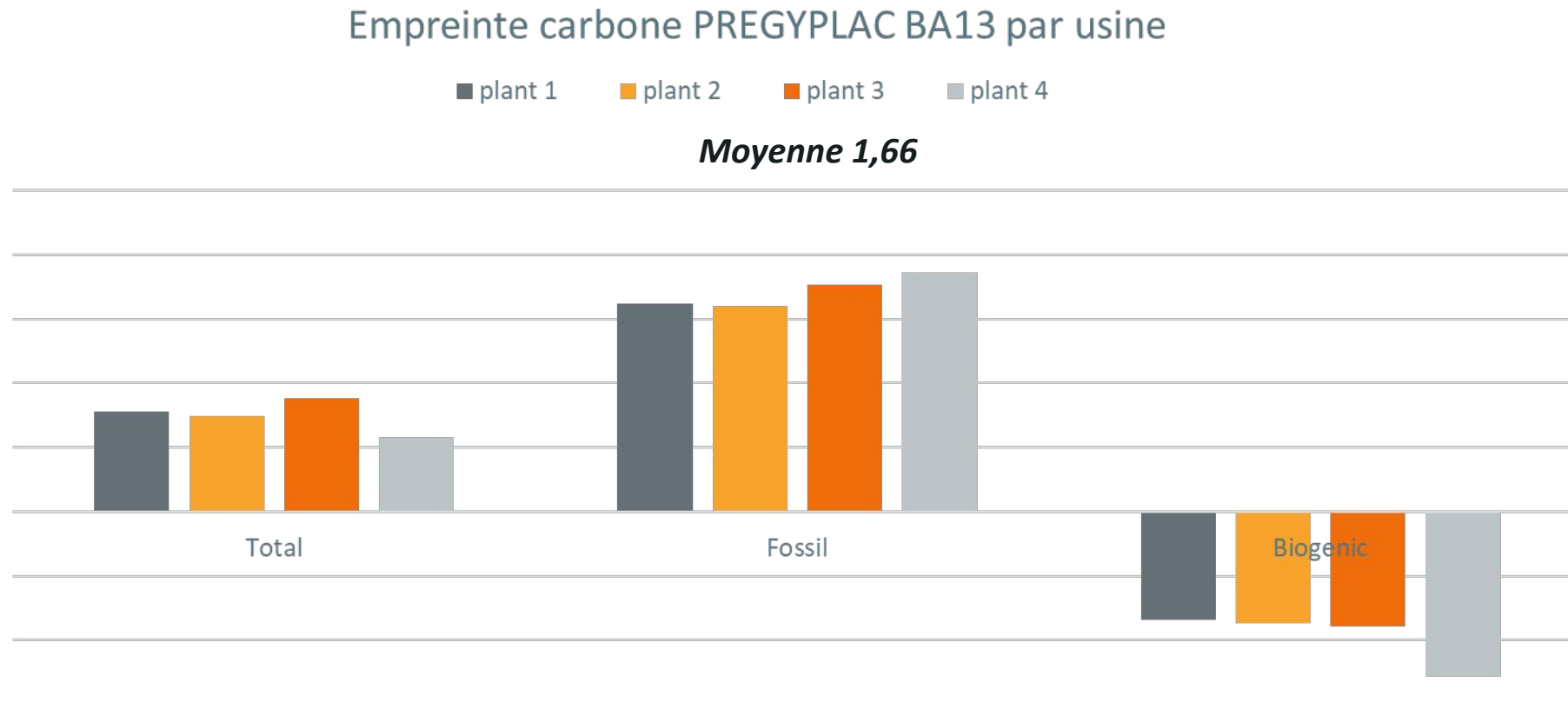
# We can find the top contributors

For each module, we can list top contributors and act on it (e.g. energy, chemical additives, ...)



## And support developments at plant level

We can zoom per product for each production plant





# 4. Next steps.



# From EPD creation to LCA insights

01



## Automated EPD creation

Optimize our EPD creation process

Improve our EPD data management practices

02



## Digital services

Provide self-service expert validated LCA insights tools for research

03



## LCA insights

Expert support for LCA insights on strategic decisions & product development

Support legal, commercial and marketing teams