

**The Lignocost book: a simple and comprehensive electronic knowledge book on lignin sources, availability, characteristics and properties for the future applications.**

Justine Padovani, Brigitte Chabbert, Véronique Aguié, Corrie Snijder, Paulien van Vredendaal, Ted Slaghek, Christophe Fernandez and Bernard Kurek (2023).

<https://plastic-apps.transform.inrae.fr/lignocost>

The main objective of the **LignoCOST** European action CA 17128 is to jointly establish a network in which relevant information packages are produced with a focus on sustainable lignin production and valorisation at industrial level.

The **LignoCOST** action has been structured in 5 working groups (WG) of which WG1 is dedicated to the development and implementation of an open access web tool, available on the internet, focused on relevant lignin informations for technical lignin valorization.

The tool is constituted of several integrated web modules, accessible through direct specific hyperlinks <https://plastic-apps.transform.inrae.fr/lignocost> or from the Lignocost website portal <https://lignocost.eu/>.

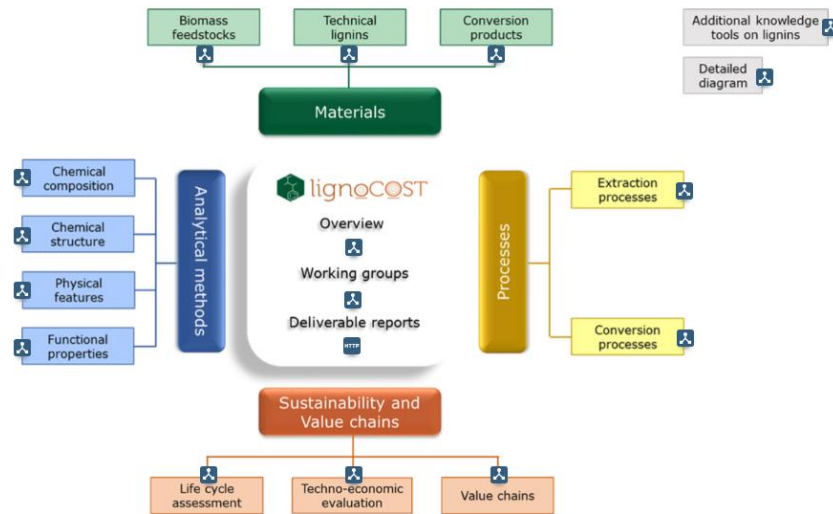
\* **The first module** is a keyword searchable bibliographic database on lignins, hosted by the WUR library (<https://library.wur.nl/WebQuery/lignin?collection=lignine> )

\* **The second module** is an integrated graphical representation i/ of the main lignin value-chains investigated within LignoCOST , ii/ of the main factsheets for structure and characteristics of industrial and pilot scale available lignins, iii/ of the main concepts and factsheets for analytical techniques and methods used in the development of new lignin applications

\* An **additional module** is an open access for datasets managed by UMR FARE (Reims), describing the physico-chemical characteristics of different lignins, also directly accessible at [https://entrepot.recherche.data.gouv.fr/dataverse/lignin\\_database](https://entrepot.recherche.data.gouv.fr/dataverse/lignin_database)

## DISCOVER THE BOOK

> DISCOVER THE B...



lignocost
INRAE

### ADDITIONAL KNOWLEDGE TOOLS ON LIGNINS

> DISCOVER THE B... > ADDITIONAL KNO...

Keywords

DISCOVER THE BOOK

- ┆ LIGNOCOST
- ┆ MATERIALS
- ┆ ANALYTICAL METHODS
- ┆ PROCESSES
- ┆ SUSTAINABILITY AND VALUE CHAINS
- ┆ ADDITIONAL KNOWLEDGE TOOLS ON LIGNINS

#### Additional knowledge tools on lignins

WikiLignin

A web database of scientific articles on lignin published since 2021

Zelcor - Knowledge book

A Knowledge book dedicated to transforming technical lignins and humins into high-value products using a cascade approach as part of a biorefinery concept

Lignin database

An open access datasets describing the physico-chemical characteristics of different lignins

The content of the book in **open access**.

However, **any copy of its content for further use must be fully referenced as:**

Justine Padovani, Brigitte Chabbert, Véronique Aguié, Corrie Snijder, Paulien van Vredendaal, Ted Slaghek, Christophe Fernandez and Bernard Kurek (2023). The Lignocost book: a simple and comprehensive electronic knowledge book on lignin sources, availability, characteristics and properties for the future applications. <https://plastic-apps.transform.inrae.fr/lignocost>

[www.lignocost.eu](http://www.lignocost.eu) | CA17128 - Establishment of a Pan-European Network on the Sustainable Valorisation of Lignin

**Grant Holder Institute**  
**STICHTING WAGENINGEN RESEARCH**  
 Bornse Weilanden 9  
 Netherlands  
 6708 WG Wageningen

COST is supported by the EU Framework Programme Horizon 2020