The plant biorefinery or the valorization of the set of (co) products

Carine ALFOS – Innovation Director ITERG (French Technical Center on Fats and Oils)

Durably create value in the oil and protein sectors, thus contributing to better nutrition for humans and the preservation of the planet.

At each stage of the process of crushing and refining oils many (co) products are recovered. These products have multiple uses in chemistry mainly (sector less binding for the uses vs. Food sector).

However, these products require the use of purification or other separation processes in order to better evaluate them. It is always a trade-off between the associated costs and the market value of these products. Anyway, these uses are known and deployed for a long time, although much remains to be done.

Towards a development of the circular economy

In the Energy Transition and Green Growth Act, the circular economy is put forward, giving it a broader meaning than local recycling / recycling / anti-waste. It integrates the management of materials / energy flows, a territorial dimension at different scales and the preservation of resources. The next law could be essentially broad circular economy = systemic economy (in which will come the ecological, energy and bioeconomic transitions ...)