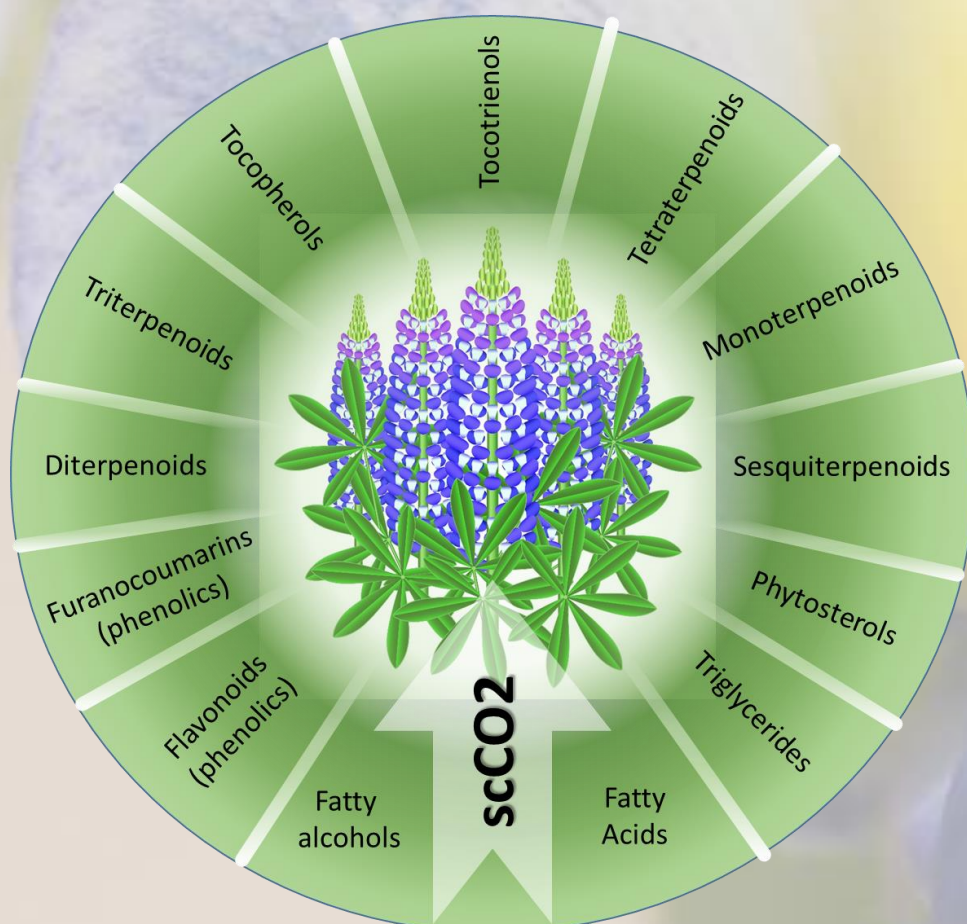


Developing an integrated supercritical fluid biorefinery for processing of lupins

The LIBBIO project is about researching the potential of Andes Lupin for breeding cropping and biorefinery. 14 partners from 8 different EU countries cooperate together. Hanze University of Applied Sciences is technical-scientific coordinator of this 5 mio€ project. Project duration is from 2016 to 2020.



Supercritical fluid extraction of phytochemical secondary plant metabolites from the Andes Lupin.



Separex pilot-SFE extraction/fractionation unit

Pre-industrial processing is developed and optimized for the lupin. Hanze UAS will develop an integrated biorefinery with supercritical CO₂ technologies. An integrated process will be developed for oil, protein and phytochemical extraction and fractionation within the **Zernike Advanced Processing** facility.

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