



**Hanzehogeschool
Groningen**
University of Applied Sciences

BIOCAS
circular BIOMass
CAscade to 100%

share your talent.
move the world.

Interreg
North Sea Region
BIOCAS

European Regional Development Fund



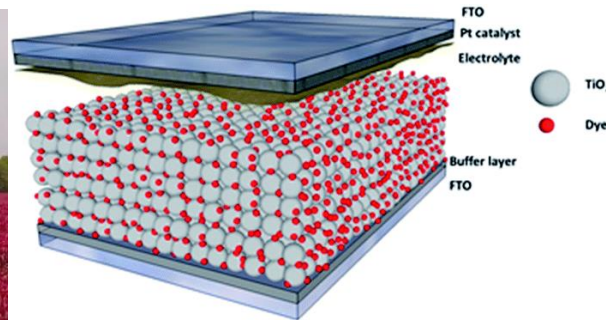
EUROPEAN UNION

BIOCAS Hanze University Applied Sciences (HHL)

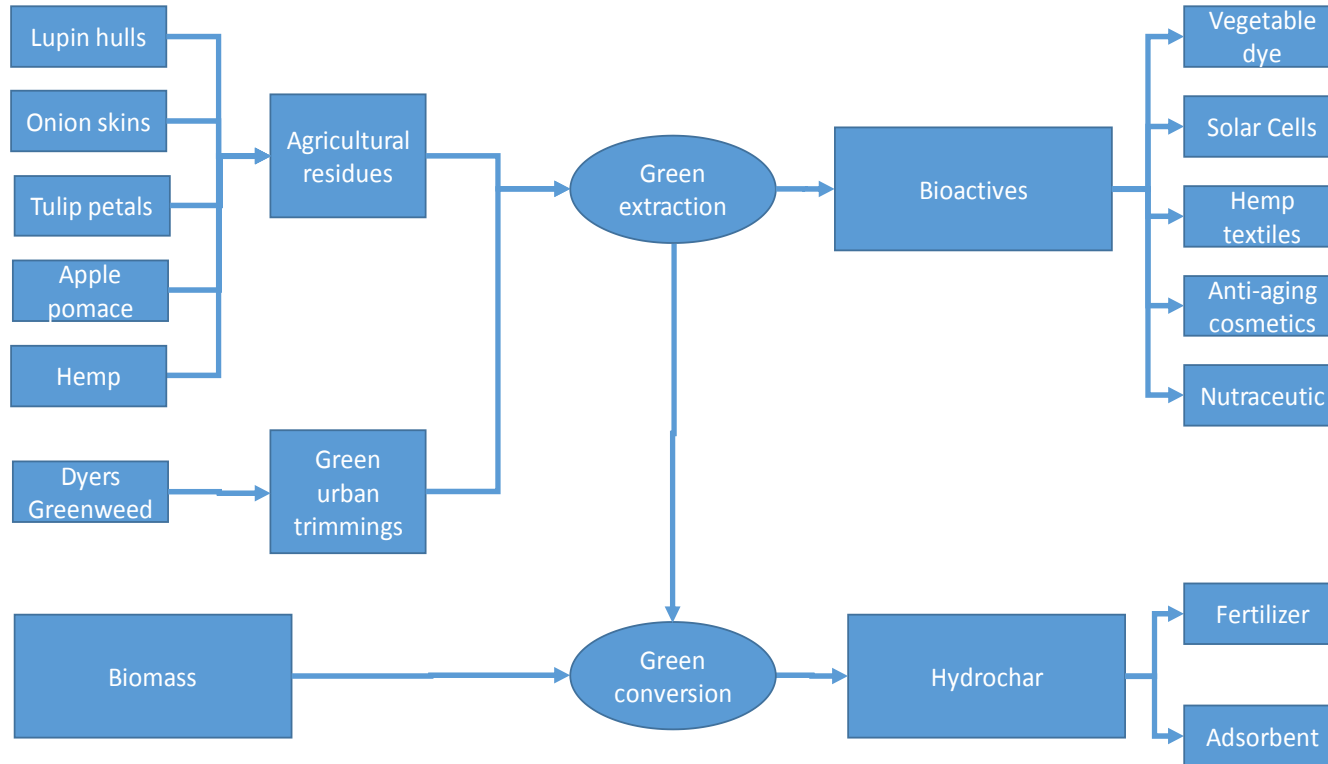
- WP3: Testing and engineering new biomass-cascading technologies for valorizing agro-residues
 - 3.2 Developing and designing customized hydro-biochars
 - 3.4 Extracting high-value components from regional available organic residues
- WP4: Value chain assessment & new business models
- WP5: Realization of Biomass Cascade Alliances (BCA'S)
 - BCA3: Extraction and use of complex compounds from specific plant species.

Testing & Engineering value chains

- trimming materials → vegetable dyes
- hemp fiber → textiles
- tulip petals → DSSC dye sensitized solar cells
- lupin seed coats → lupeol triterpene for bioceuticals
- apple pomace → pectine and polyphenols for bioceuticals
- onion skins → polyphenols for bioceuticals & vegetable dyes

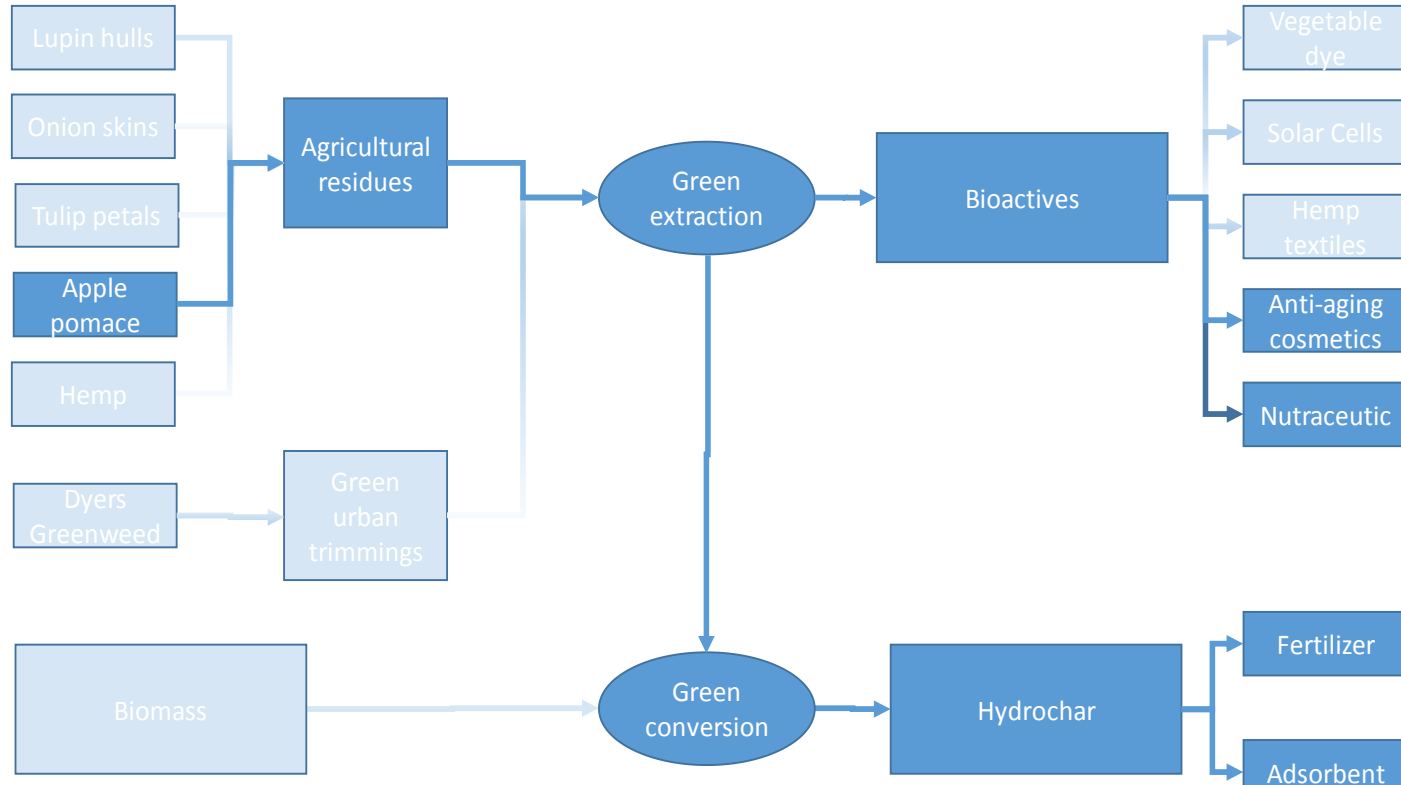


BIOCAS



share your talent. move the world.

BIOCAS



share your talent. ~~move~~ the world.

