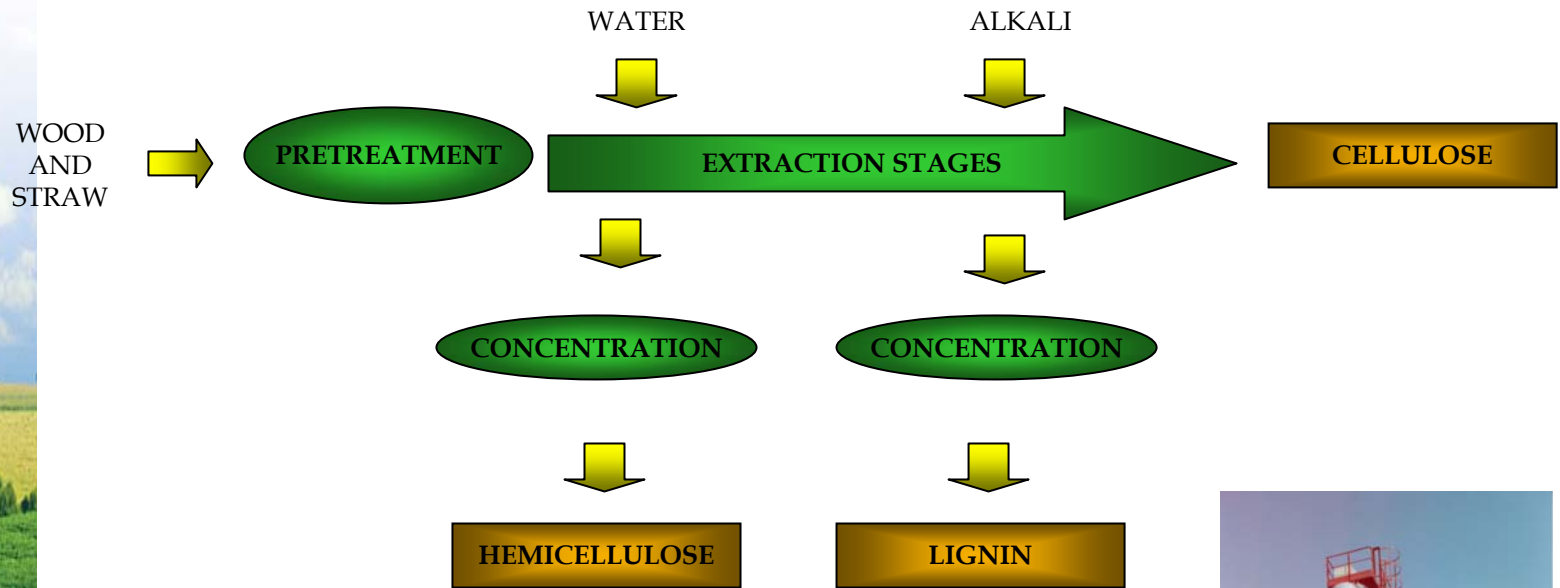


# Biomass Conversion of Agricultural Residues



Biomass preparation is performed prior to autohydrolysis. The prepared material is subjected to high temperature and high pressure followed by rapid depressurization. The processed material is subjected to a countercurrent wash to extract hemicellulose. Lignin is recovered by a similar process utilizing alkaline extraction.



In Italy, cellulose, hemicellulose and lignin are extracted from straw and wood chips