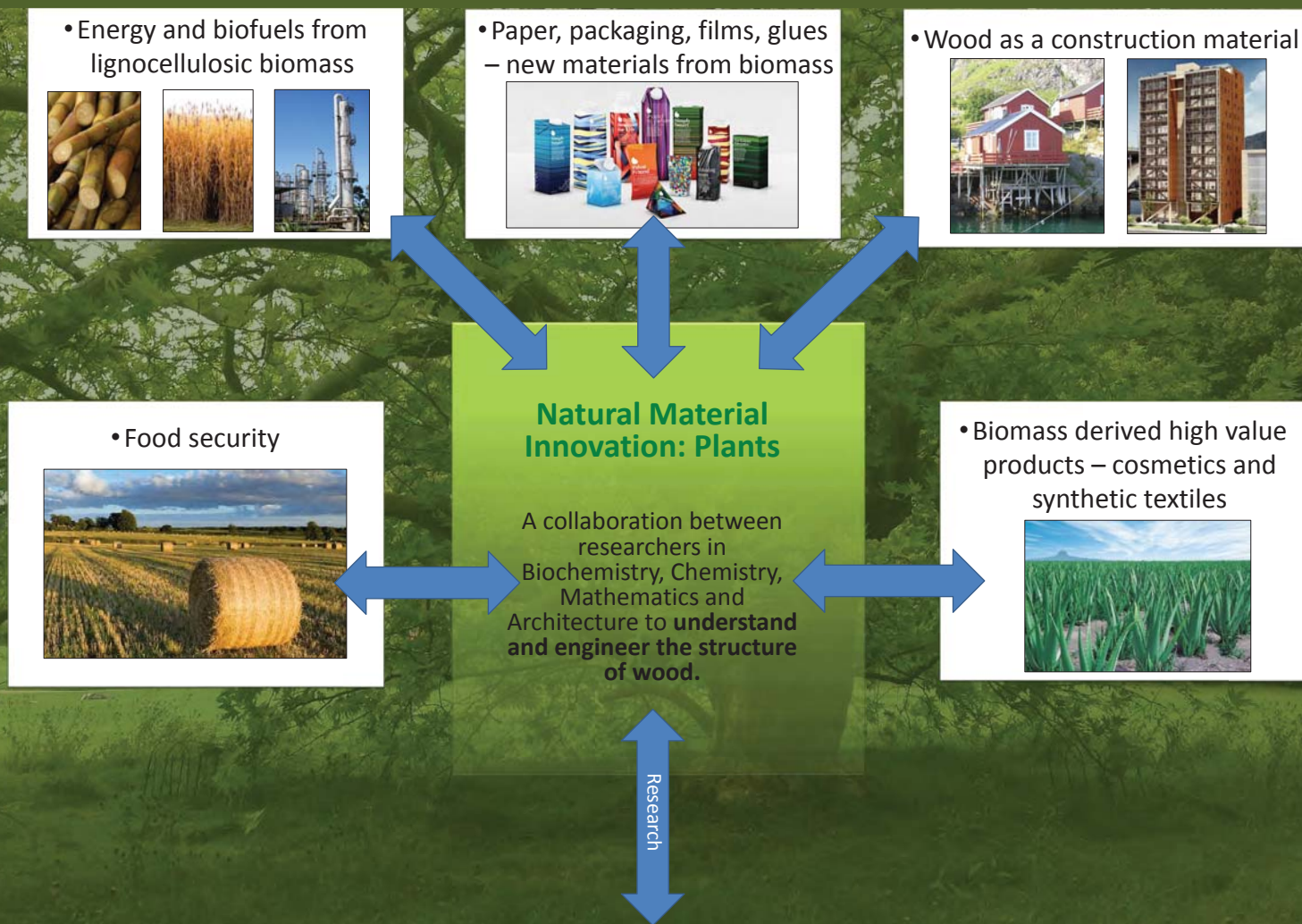


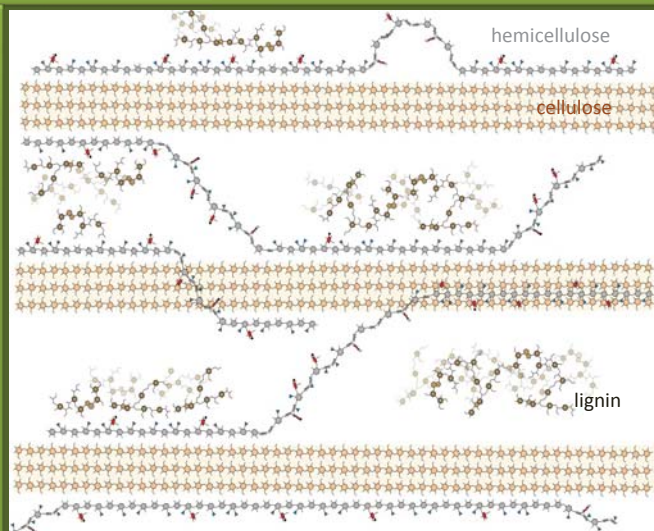
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Wood – our sustainable treasure in the past, present and future



Trees – to use them efficiently we need to understand their structure

- Understanding wood structure is essential for its efficient usage – an educated methodology instead of trial and error approach.
- The main building blocks of wood are polymeric molecules called cellulose, hemicellulose and lignin. They form a rigid wall around each wood cell.
- The molecular architecture of wood (how the polymeric molecules are arranged) is unknown!
- We are pioneers in resolving wood molecular architecture using novel technologies and approaches.



Our proposed model of hardwood molecular architecture