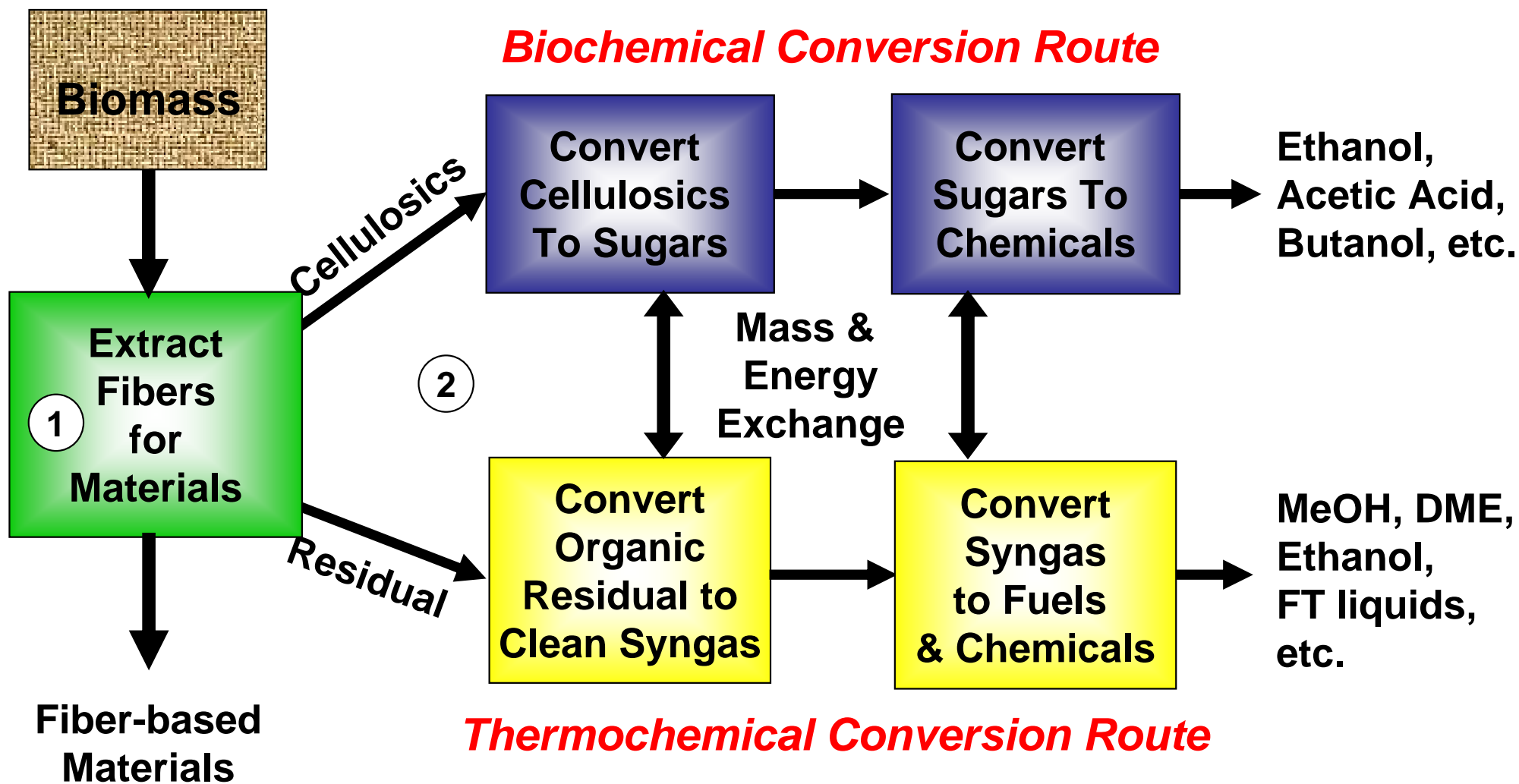




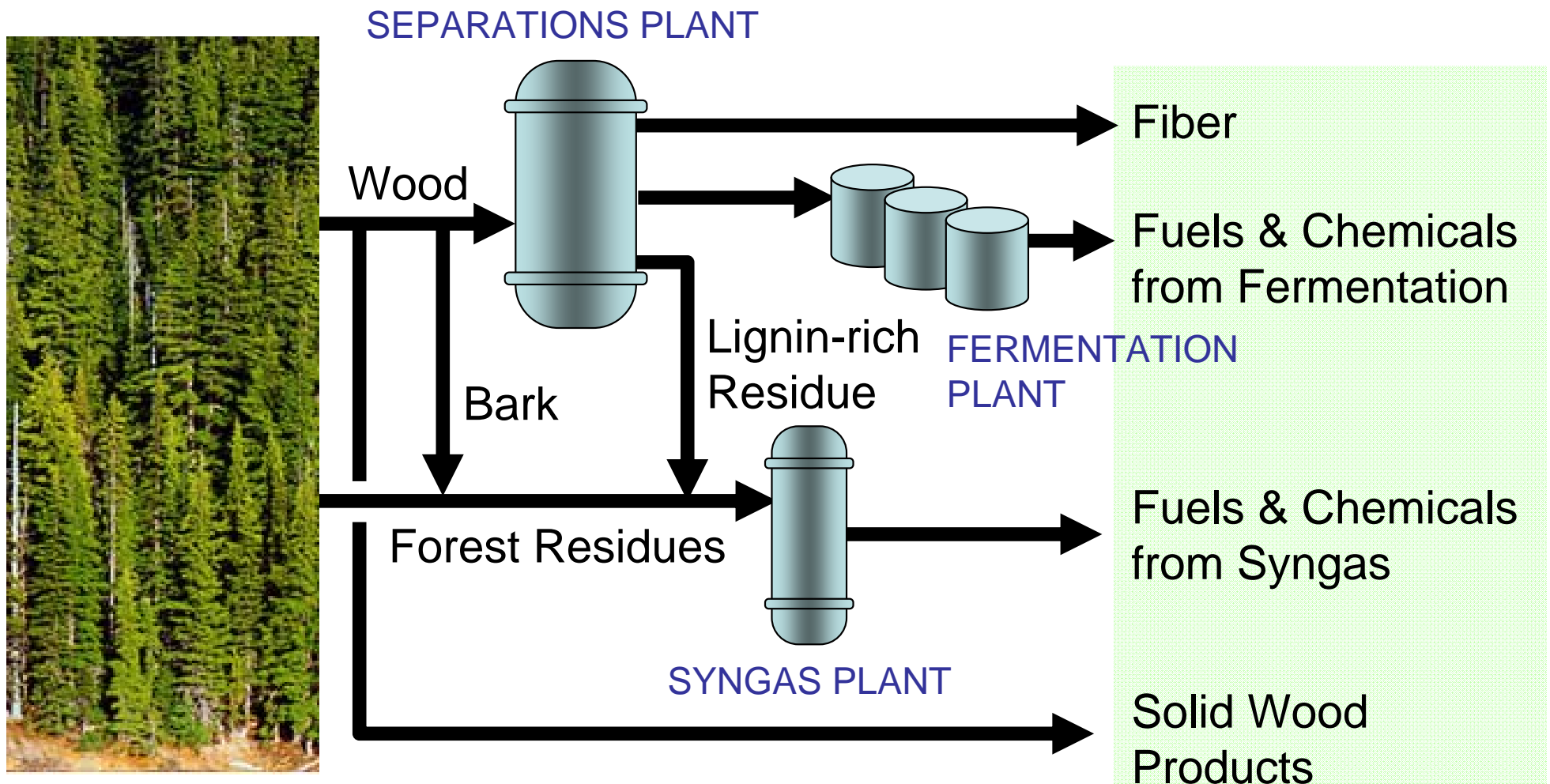
Integrated Forest BioRefinery

Biochemical Conversion Route



**All Renewable,
All Sustainable**

Integrated Forest BioRefinery



...the rest of the tree!

Availability of un- or underutilized woody biomass in Georgia and the U.S.

Source	Biomass, million dry tonne/yr		Ethanol product, million gal/yr	
	Georgia	U.S.	Georgia	U.S.
Umerchantable timber	13.3	77.3	1,110	6,468
Harvesting residues	5.3	47.8	445	4,004
Fuel wood		51.5	0	4,312
Urban waste	0.1	47.8	7	4,004
Subtotal	18.7	224.4	1562	18,788
Mill residues & sludge	8.4	69.9	700	5,852
Black liquor	12.1	73.6	1,010	6,160
Total	39.1	368.0	3,272	30,802