

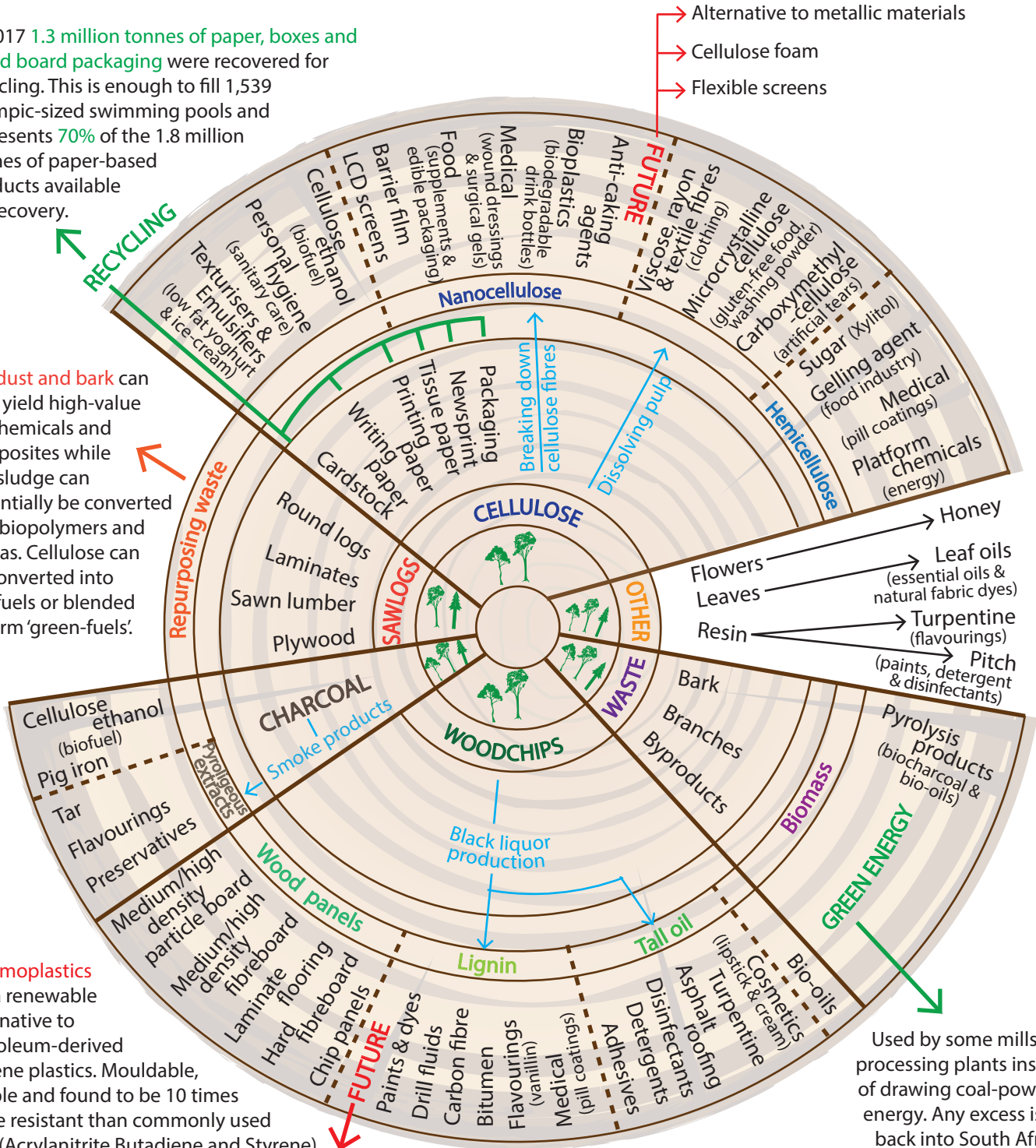
NOT ALL FOREST PRODUCTS ARE WOODEN

Investment by the Forest Products Sector into technology and innovation has opened the door to many new and exciting markets, enabling South Africa's commercial forests to service the automotive, pharmaceutical, chemical, cosmetic, aeronautical, textile, food and medicinal industries. In doing so, our farmed trees are providing a renewable, sustainable and carbon neutral alternative to the fossil fuel based products and in turn, more value is extracted from each tree, ensuring that less goes to waste.

In 2017 1.3 million tonnes of paper, boxes and liquid board packaging were recovered for recycling. This is enough to fill 1,539 Olympic-sized swimming pools and represents 70% of the 1.8 million tonnes of paper-based products available for recovery.

Sawdust and bark can now yield high-value biochemicals and composites while mill sludge can potentially be converted into biopolymers and biogas. Cellulose can be converted into bio-fuels or blended to form 'green-fuels'.

Thermoplastics are a renewable alternative to petroleum-derived styrene plastics. Mouldable, fusible and found to be 10 times more resistant than commonly used ABS (Acrylonitrile Butadiene and Styrene), this could be the future of stretchable films and smart fabric.



- Alternative to metallic materials
- Cellulose foam
- Flexible screens

Used by some mills and processing plants instead of drawing coal-powered energy. Any excess is fed back into South Africa's electricity grid.