

## 5 Emerging Non-wood Forestry Based Feedstocks

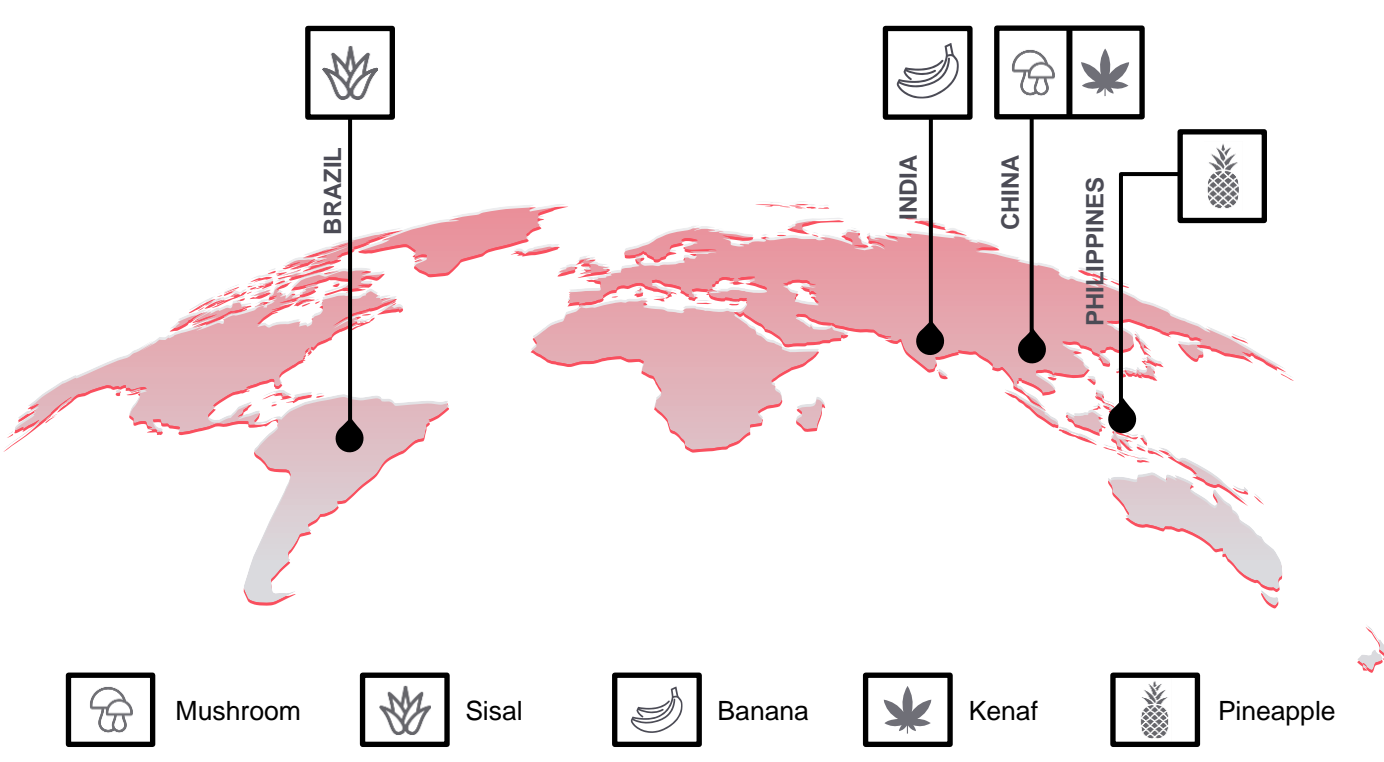
Deforestation and finite availability of wood, have opened new opportunities for non-wood forestry products

### Emerging Non-wood Feedstocks and its Volume Availability

Based on application spread and maturity of the feedstock



### Top supply region



### Application Span

Consumer products is the current major area of use for all the five feedstocks

	Textile	Consumer products	Construction	Medical	Food & Beverage	Packaging	Automotive	Paper industry	Others
MUSHROOM	✓	✓	✓	✓	✓	✓	✓	○	✓
SISAL	✓	✓	✓	✓	○	✓	✓	✓	✓
BANANA	✓	✓	✓	○	○	✓	✓	✓	✓
KENAF	✓	✓	✓	○	○	✓	✓	✓	✓
PINEAPPLE	✓	✓	○	○	○	✓	✓	✓	✓

✓ Promising area for future   
 ✓ Major area at present   
 ○ Potential area for future

### Application use cases

Consumer goods and textile to continue growth; New use cases to open up in construction, paper & pulp, automotive, other segments.

■ Commercial Application  
■ Potential Application

<b>Sisal based Cordage</b> 	<b>Currency Notes using banana fiber pulp</b> Victoria Byoma, Uganda
<b>Pineapple fiber reinforced with plastic material</b> Mahidol University, Thailand	<b>Banana fiber-based paper products</b> (Suppliers) bluecat paper
<b>Kenaf based fiberboard</b> (Suppliers)	<b>Mushroom-based filler for dental cavities</b> Clemson University, US
<b>Mushroom-based apparel</b> 	<b>Pineapple fiber-based apparel</b> 
<b>Mushroom-based bricks for construction</b> 	<b>Production of hygiene products (sanitary pads) using banana fiber</b> (Suppliers)

### About FutureBridge

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