



# KARBONISERADE LIGNINPRODUKTER FÖR ENERGISPARANDE APPLIKATIONER

För ett hållbart och konkurrenskraftigt Sverige

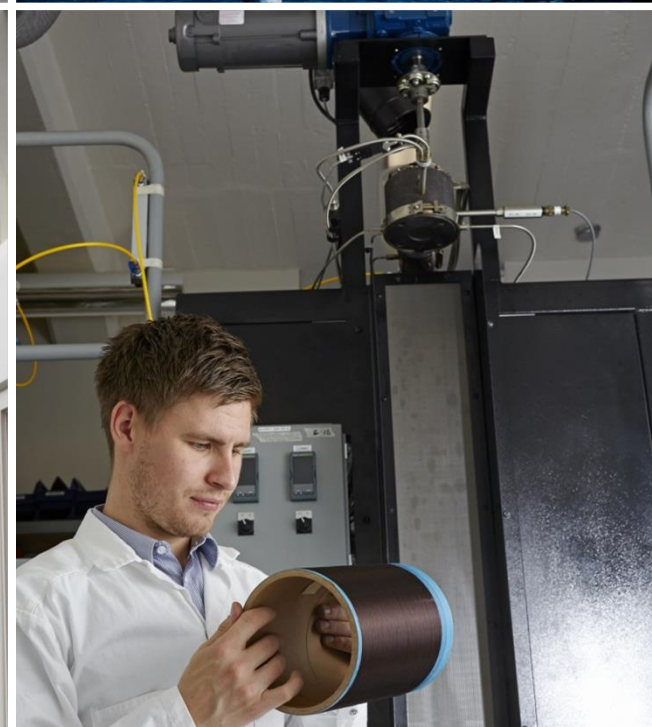
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Januari 2017

Research Institutes of Sweden

**Biorefinery and Energy**

**Lignin Science and Separation Processes**



# Förädling av lignin



## **Kolfiber (CF):**

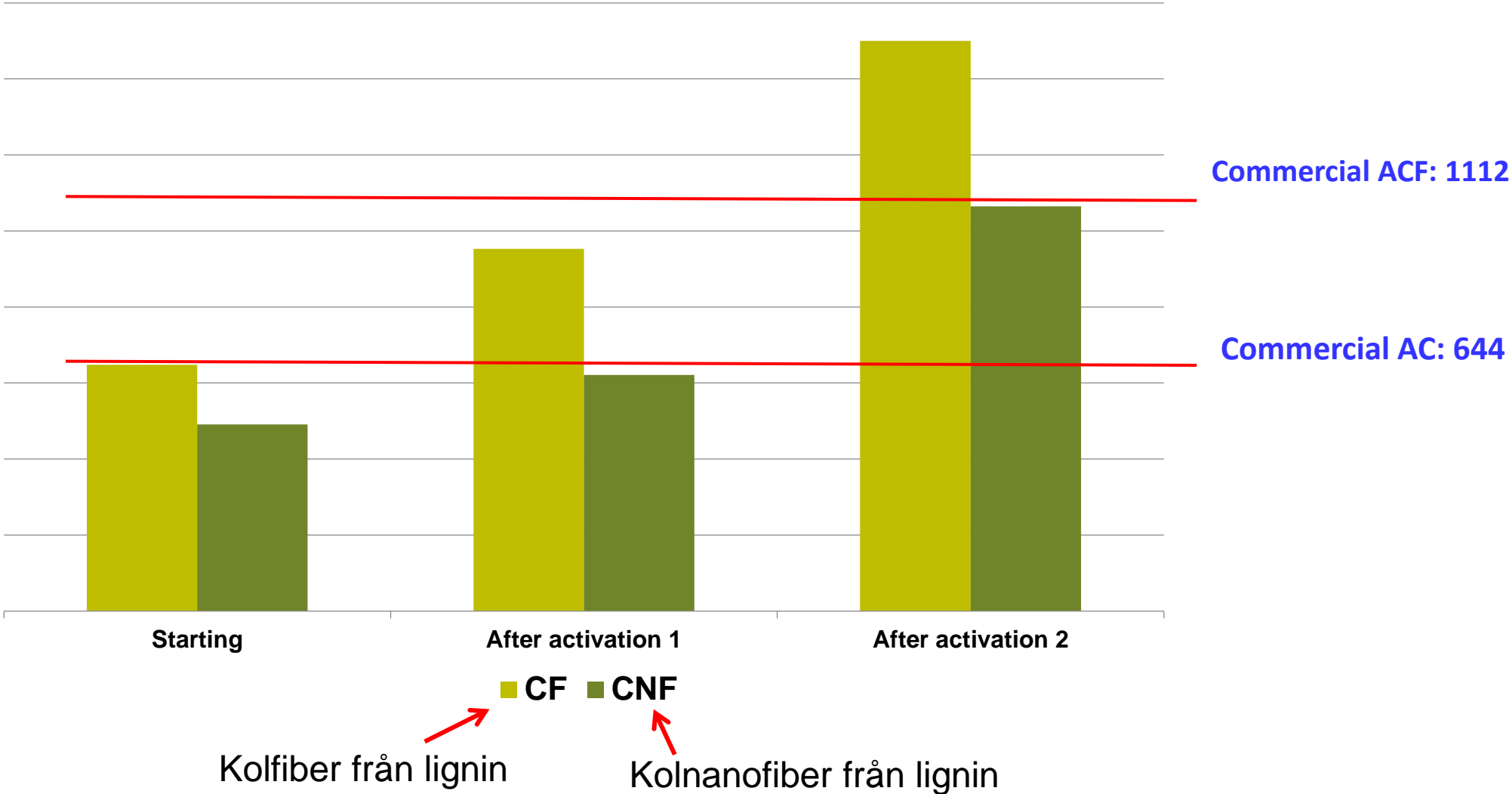
- Kompositer (CFRP)
- Elektroder



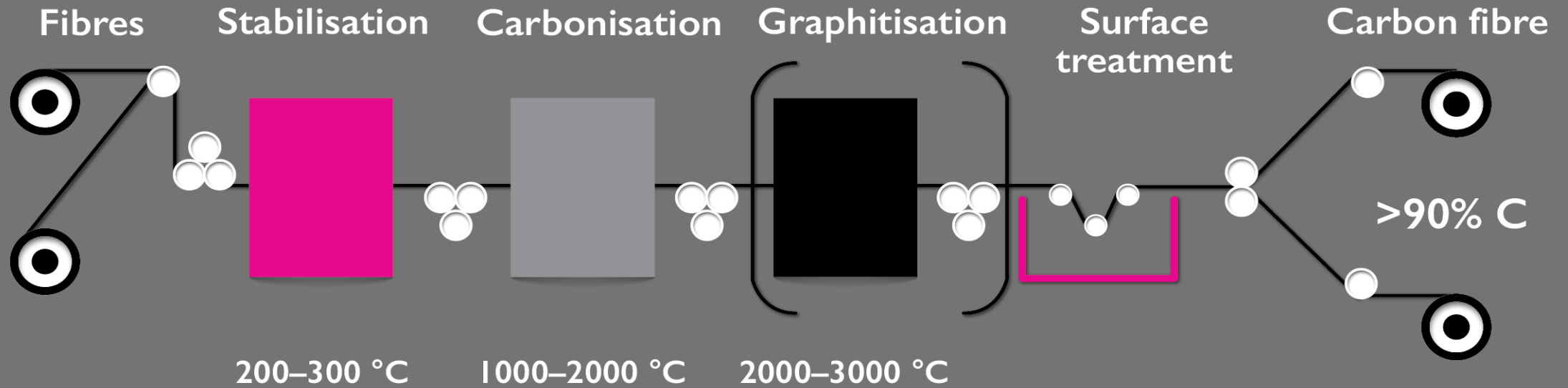
## **Aktiverade kolfiber**

- Energi lagring
- Luft/gas rening
- Andra elektriska applikationer

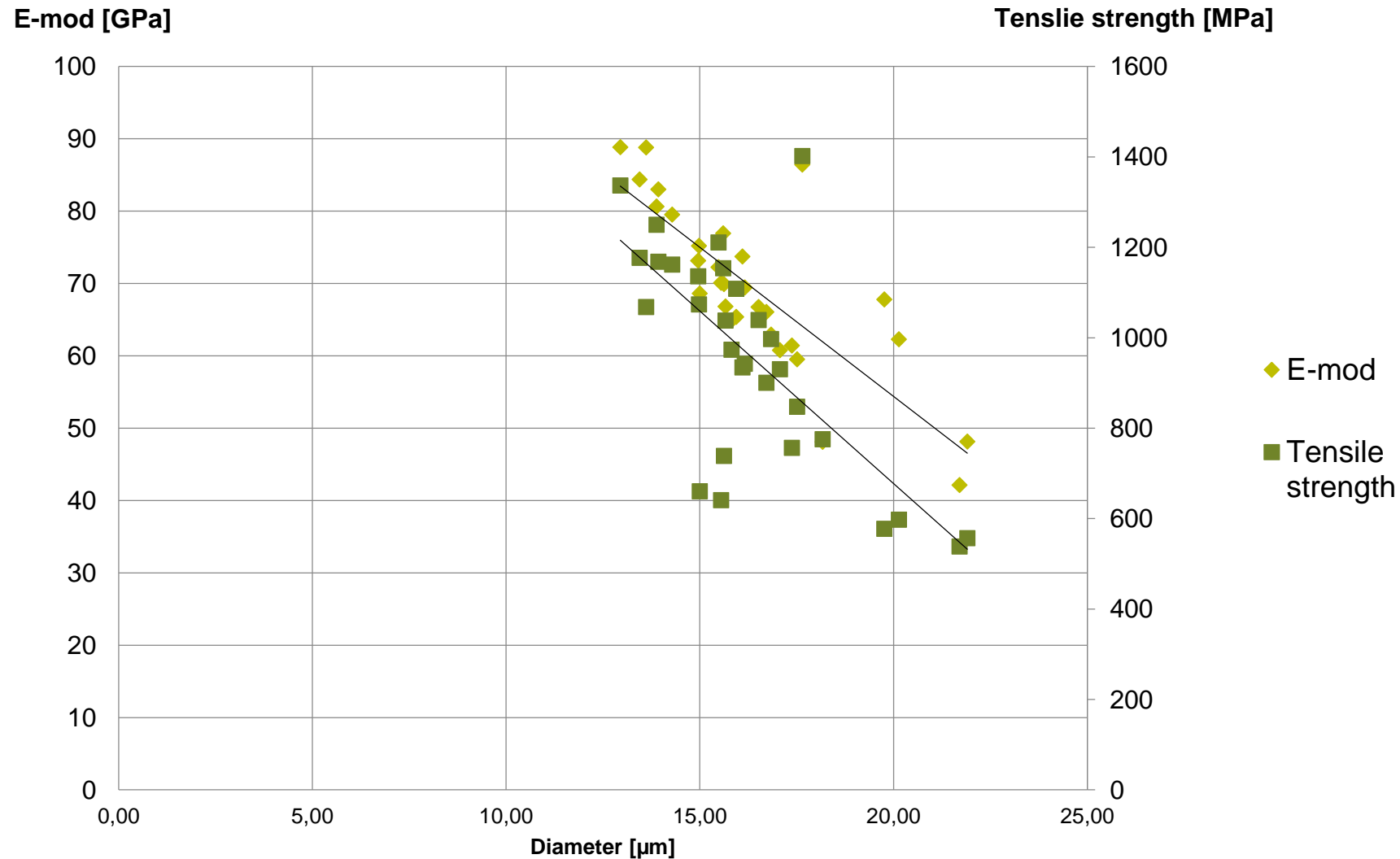
# Aktiverade kolfibrer och kolnanofibrer från lignin



# Carbon fiber process



# Kolfiber – mekaniska data



Source: Innventia Research Programme 2015-2017



TACK!

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