União da Indústria de Cana-de-Açúcar (UNICA)

## Ethanol Summit 2017

## **Flex Plants**

June 26-27, 2017 São Paulo, Brazil

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# **Novozymes in numbers**



**6,000+** employees

**7,000+** patents

700+

products

25.1%

ROIC

**30+** different industries

14,142 sales (mio. DKK)

**130** countries

**27.9%** EBIT margin



# **Flex plants**

## **Benefits:**

- Continuous revenue generation
- Raw material flexibility
- Cost reduction
- Brazil and Paraguay pioneering Latin America
- Fast ROI
- Profits improvements



Corn biorefinery



Sugarcane biorefinery



## **Brazilian expected fuel demand** in the coming years

- two possible scenarios



#### Expected gap, billion liters





## 20-80 new biofuel plants



### +10 mio new flex cars running



# Feedstock largely available (corn, sorghum)

novozymes

# **Moving forward**

- Wide range of feedstocks
- Wide range of processes and technologies
- The demand and closing the gap
- Great opportunity to quickly improve profits



# **NOVOZYMES** Rethink Tomorrow