

International Workshop – Towards Sustainable International
Biomass Trade Strategies

Export or local use of biomass, is it a dilemma?

THE BRAZILIAN CASE



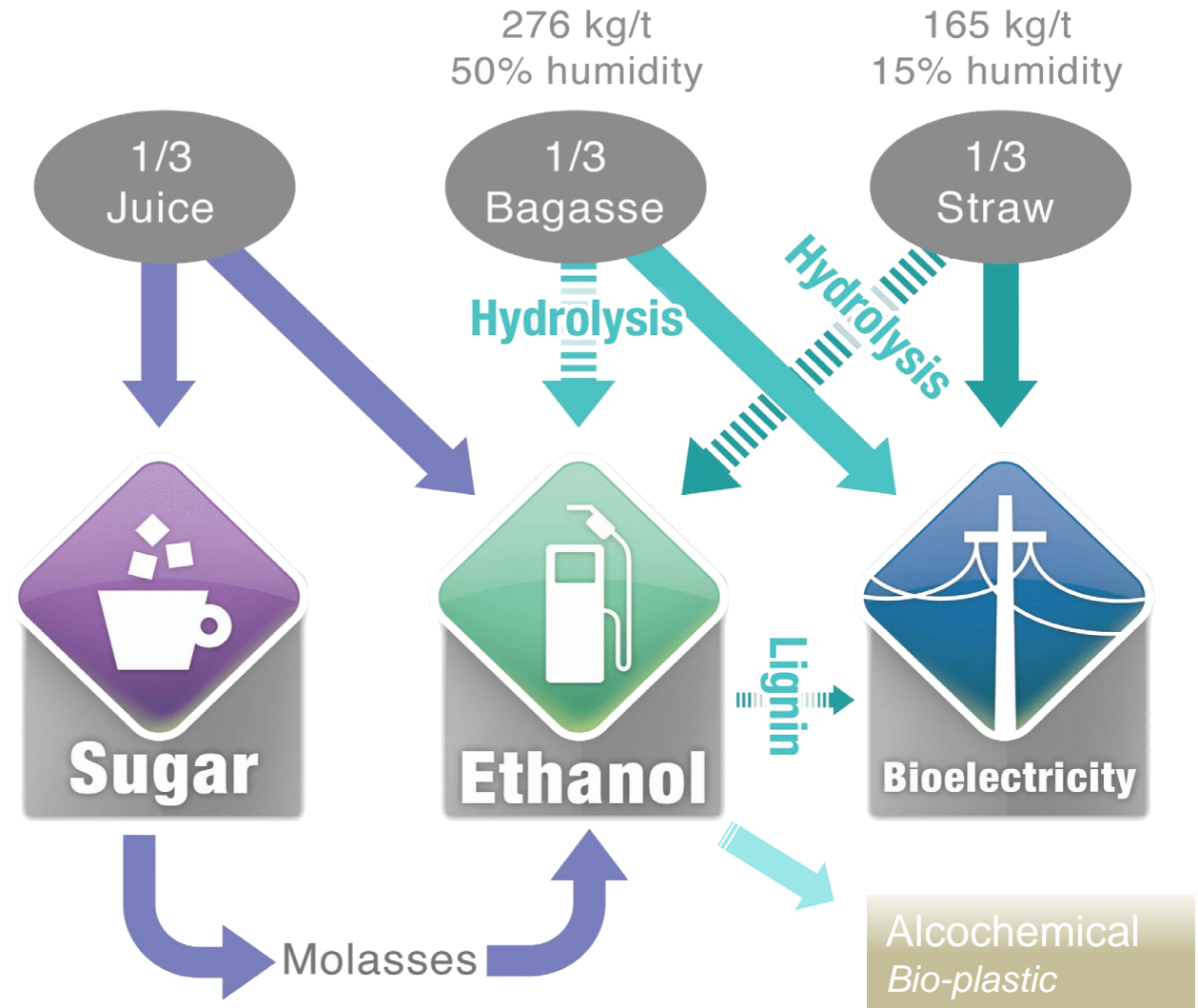
Mariá Almeida Aranha
Consultant

Brussels, 24 October 2014

BREAKDOWN OF SUGARCANE'S ENERGY

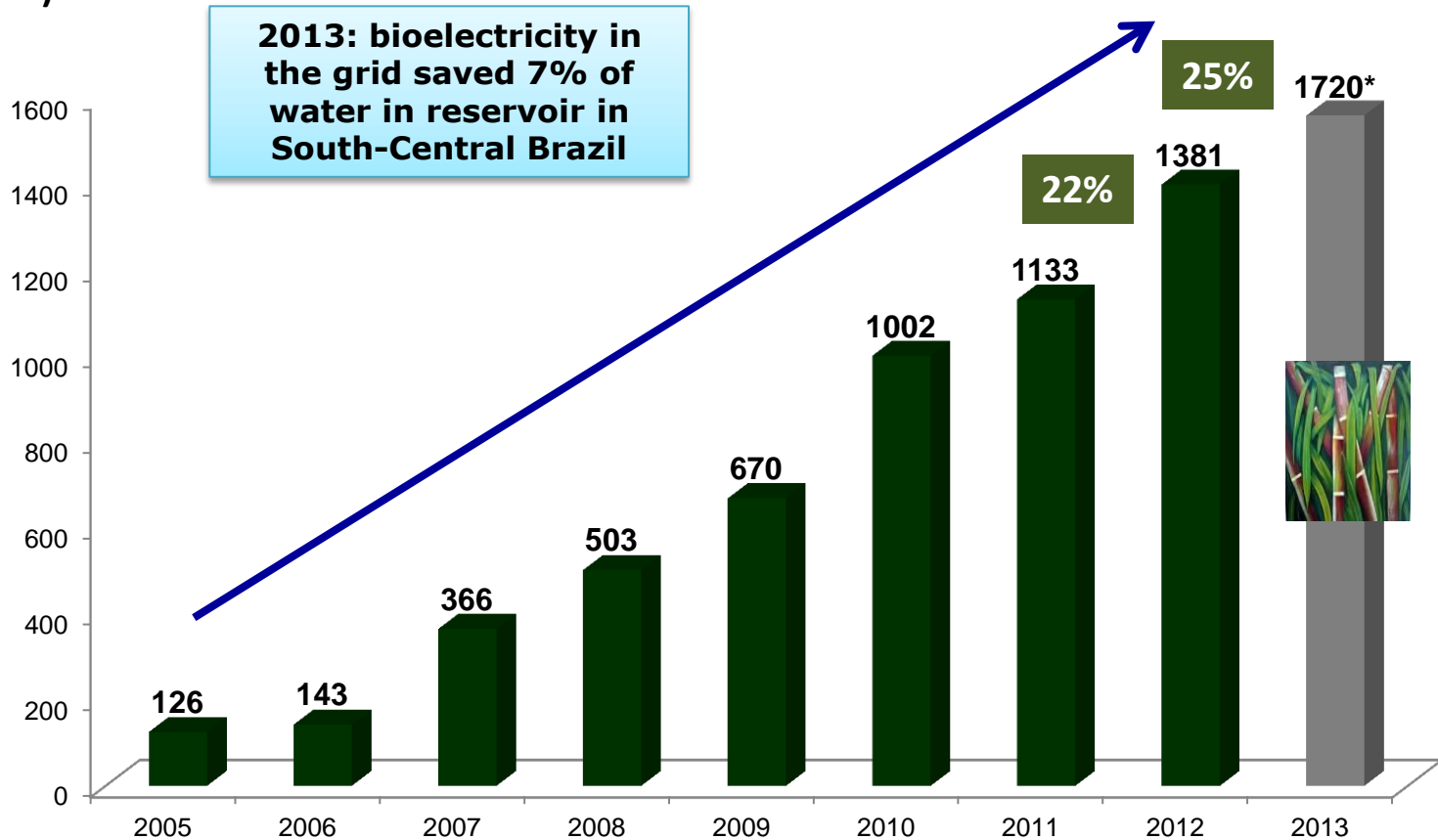


Energy equivalent of
1 ton of sugarcane
= 1.2 oil barrel



IMPORTANCE OF BIOELECTRICITY IN BRAZIL

Bioelectricity from sugarcane: offer to the interconnected system, 2005 a 2013
(in average MW)



2013: bioelectricity in the grid saved 7% of water in reservoir in South-Central Brazil

Bio in 2013:
Saves 7.5 millions tCO₂
Without bio-electricity, GHG emissions of electricity mix would have been 23% higher**

Bio em 2013 :
Equivalent supply to 8 millions homes during the whole year

Fonte: MME (2013). *Previsão da UNICA (2014)., a partir de dados da CCEE (2014).

**Com base nas emissões de 2012.

2G ETHANOL INITIATIVES IN BRAZIL



2014: 1st commercial 2G mill in the country, plans to use mostly cane trash (leaves) as raw material



Plans 1st commercial unit in 2015, with a capacity of 11 million gallons/year



PETROBRAS

Ongoing 2G research since 2004, plans to launch commercial production in 2015/2016



São Manoel

Pilot plant to be launched in 2014 with a 1.3 million gallon/year capacity



CENTRO DE TECNOLOGIA CANAVIEIRA



1st commercial 2G unit in 2015



Universities & research institutions

The logo for UNICA, featuring the word "unica" in a stylized, lowercase, sans-serif font. The letters are white with a dark grey shadow underneath, giving them a 3D appearance. A small green sphere is positioned at the end of the 'a'.

Thank you!

www.sugarcane.org

@SugarCane