A REGIONAL PARTNERSHIP WAS CREATED TO ADJUST REGION TO FOREST CODE

PARTNERS: TNC, ADECOAGRO, BIOSUL, IMASUL
# Advantages of sugarcane ethanol

<table>
<thead>
<tr>
<th>Source</th>
<th>Brazil</th>
<th>USA</th>
<th>EU</th>
<th>EU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Country</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy balance (units of renewable energy per unit of fossil fuel input)</td>
<td>9.3</td>
<td>1.4</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Productivity (liters/hectare)</td>
<td>7,000</td>
<td>3,800</td>
<td>2,500</td>
<td>5,500</td>
</tr>
<tr>
<td>GHG reduction (from US and EU legislations)</td>
<td>61%-91%</td>
<td>0%-38%</td>
<td>16%-69%</td>
<td>52%</td>
</tr>
</tbody>
</table>

ADECOAGRO MEETS AMERICAN REQUIREMENTS FOR CLEAN SUGARCANE ETHANOL EXPORTS

- Since July 2011, we are able to export ethanol to US under the classification of *advanced biofuels*, which save 50% GHG emissions vs. gasoline.

- One of the main requirements is to not harvest areas deforested after December 2007.

- Depending on market conditions, premium is paid for sugarcane ethanol over American corn ethanol.

- The Californian government sets additional requirements for biofuels used in the State.

- Angélica was the 1st sugarcane mill worldwide to be granted by CARB the lowest carbon intensity (58.4 g CO2e/MJ) based on its high level of mechanized non-burnt cane harvesting and cogenerated energy exports.
ADECOAGRO’S MILLS ARE BONSUCRO CERTIFIED

- Bonsucro is a global initiative focused on improving the social, environmental and economic sustainability of sugarcane and its products.

- It assures buyers, suppliers and consumers that sugar and ethanol are produced with a focus on fulfillment of five key items: (i) legal compliance; (ii) biodiversity and ecosystem impacts; (iii) human rights; (iv) production and processing; and (v) continuous improvement.

- It meets the sustainability criteria set by the European Union Renewable Energy Directive, which mandates 20% renewable energy consumption for its Member States by 2020.

- It is a single certification auditing both sugar and ethanol streams. This allows mills to freely switch between the two.

- Angélica mill was the 1st mill in Mato Grosso do Sul and the 16th worldwide to achieve the certification in July 2012. More than 33 thousand hectares were certified.

- In January 2013 it was the time for Monte Alegre mill to have 100% of its production certified, reaching 15 thousand hectares.