



Ministerio de Agroindustria
Presidencia de la Nación

Experiences on the measurement of the GBEP Sustainability Indicators and on other GBEP activities



WORKING TOGETHER FOR SUSTAINABLE DEVELOPMENT

November 2017



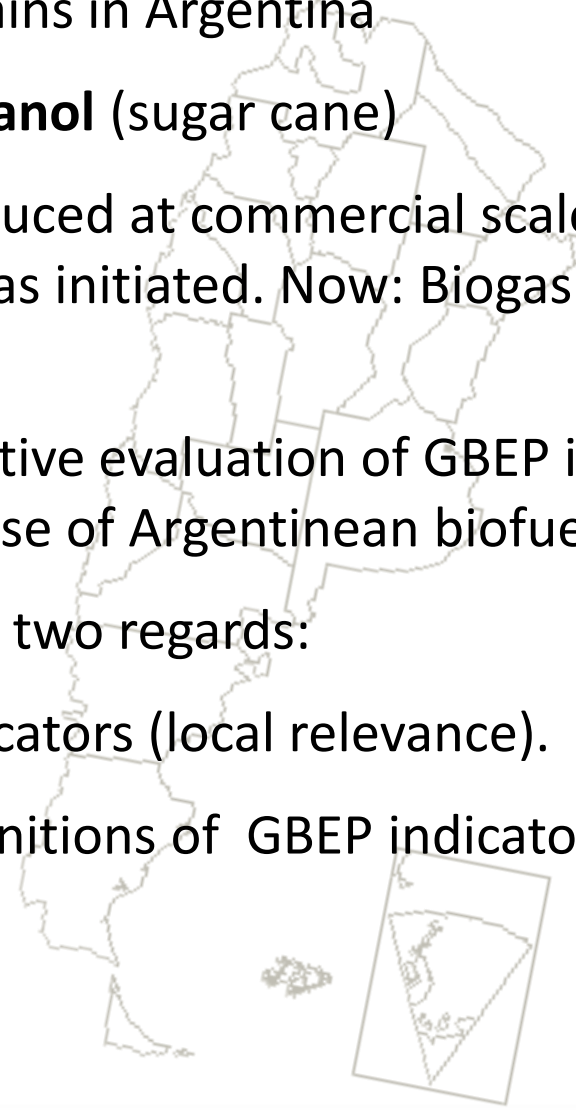
GBEP Indicators in Argentina

- The study was funded by the IDB.
- Study was conducted by a multi-disciplinary team of consultants and researchers (6 economists – 2 engineers) from Centro de IDEAS (University of San Martin, UNSAM, Argentina). INTA
- The consultancy team worked in cooperation with and under supervision of the Agroenergy Directorate, Ministry of Agroindustry.
- The implementation project took 18 months including publication, editing and printing.



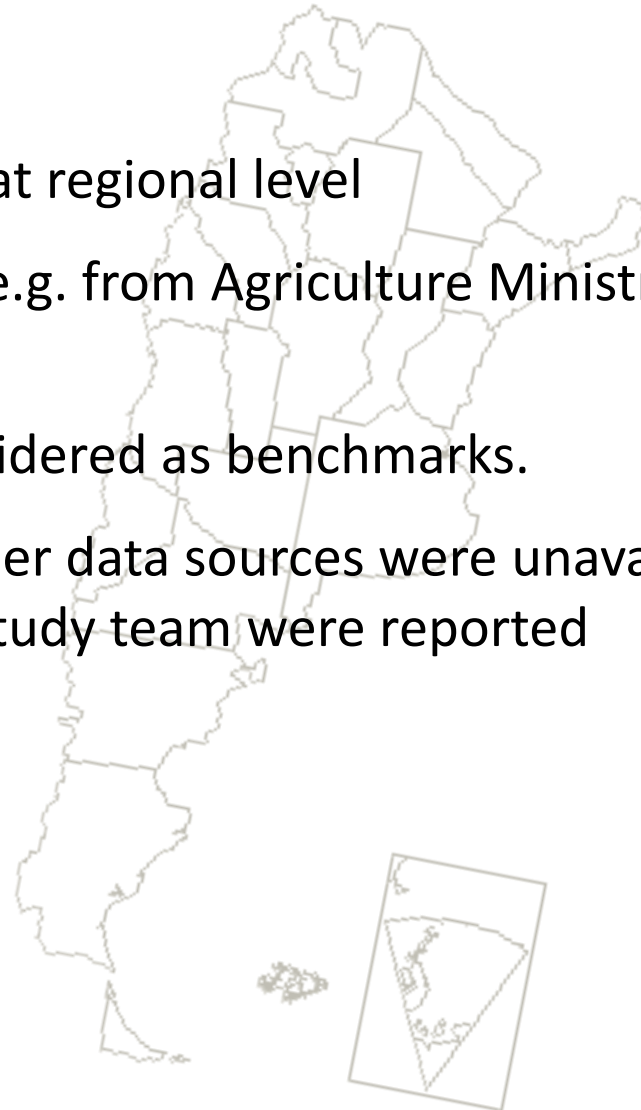
GBEP Indicators in Argentina

- Focus : Two biofuel production chains in Argentina
 1. **Biodiesel** (soybean oil)
 2. **Ethanol** (sugar cane)
- These were the only biofuels produced at commercial scale in Argentina at the time the study was initiated. Now: Biogas and corn ethanol.
- Objective: quantitative or qualitative evaluation of GBEP indicators (and of their relevance) in the case of Argentinean biofuels.
 - Recommendations were made in two regards:
 1. To regularly measure the indicators (local relevance).
 2. To adjust methodologies/definitions of GBEP indicators



GBEP Indicators in Argentina

- Priority given to :
 - Use of local data – preferably at regional level
 - Use of regular statistics data (e.g. from Agriculture Ministry or local industry associations)
- Previous (local) studies were considered as benchmarks.
- Whenever regular statistics or other data sources were unavailable, specific (point) estimates by the study team were reported



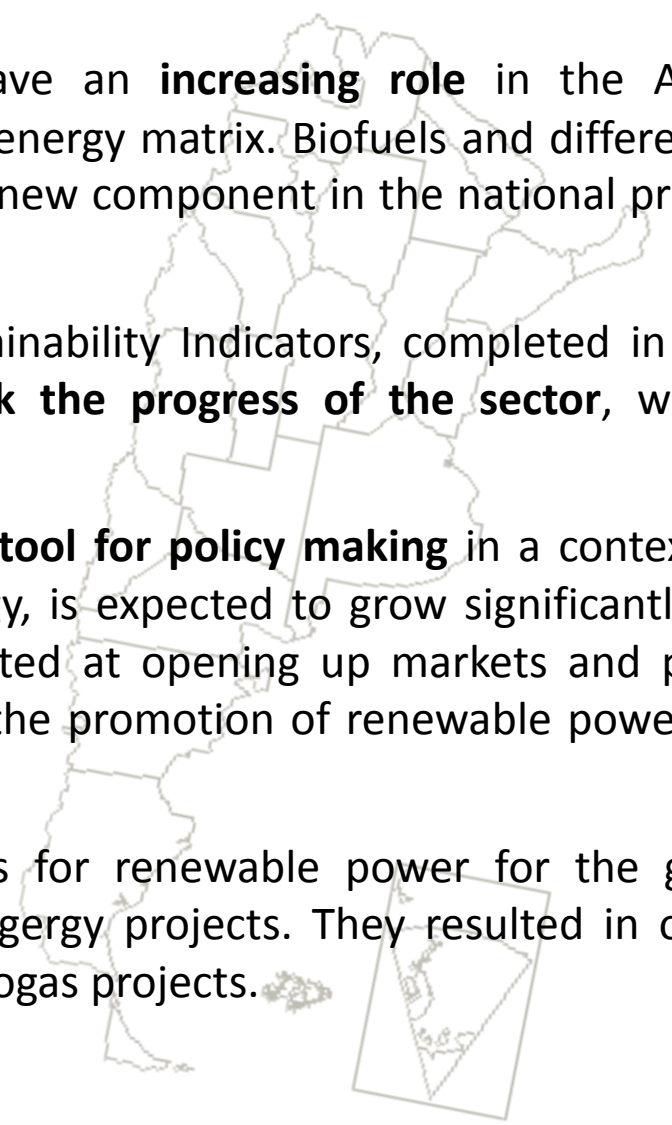
GBEP Indicators in Argentina

The study showed that biofuels have an **increasing role** in the Argentine production chains and the country's energy matrix. Biofuels and different forms of bioenergy seem to have become a new component in the national production matrix that is consolidating over time.

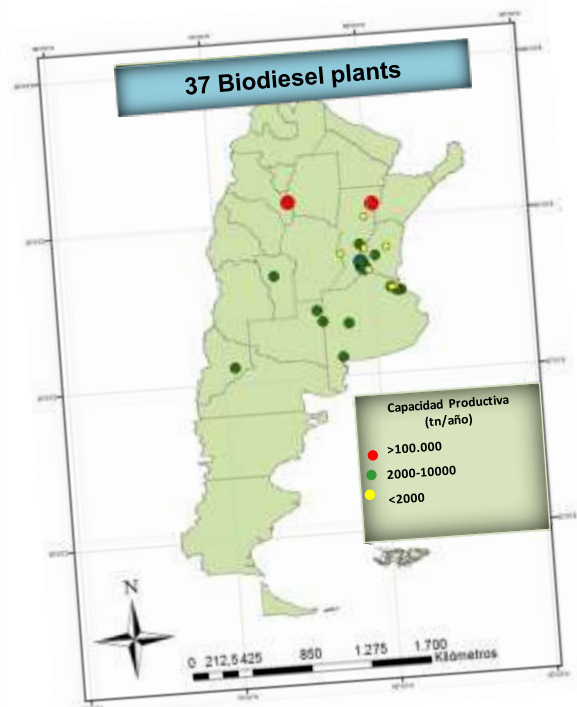
The measurement of the GBEP Sustainability Indicators, completed in October 2015, has set a benchmark **to track the progress of the sector**, which has continued to grow since.

The Indicators provide an **important tool for policy making** in a context where renewable energy, including bioenergy, is expected to grow significantly due to **active policies** involving efforts directed at opening up markets and providing investment opportunities, as well as the promotion of renewable power for the national grid.

Argentina has launched two tenders for renewable power for the grid that included special conditions for bioenergy projects. They resulted in offers for **almost 300 MW** in dry biomass and biogas projects.



BIOFUELS DEVELOPMENT IN ARGENTINA – BIODIESEL

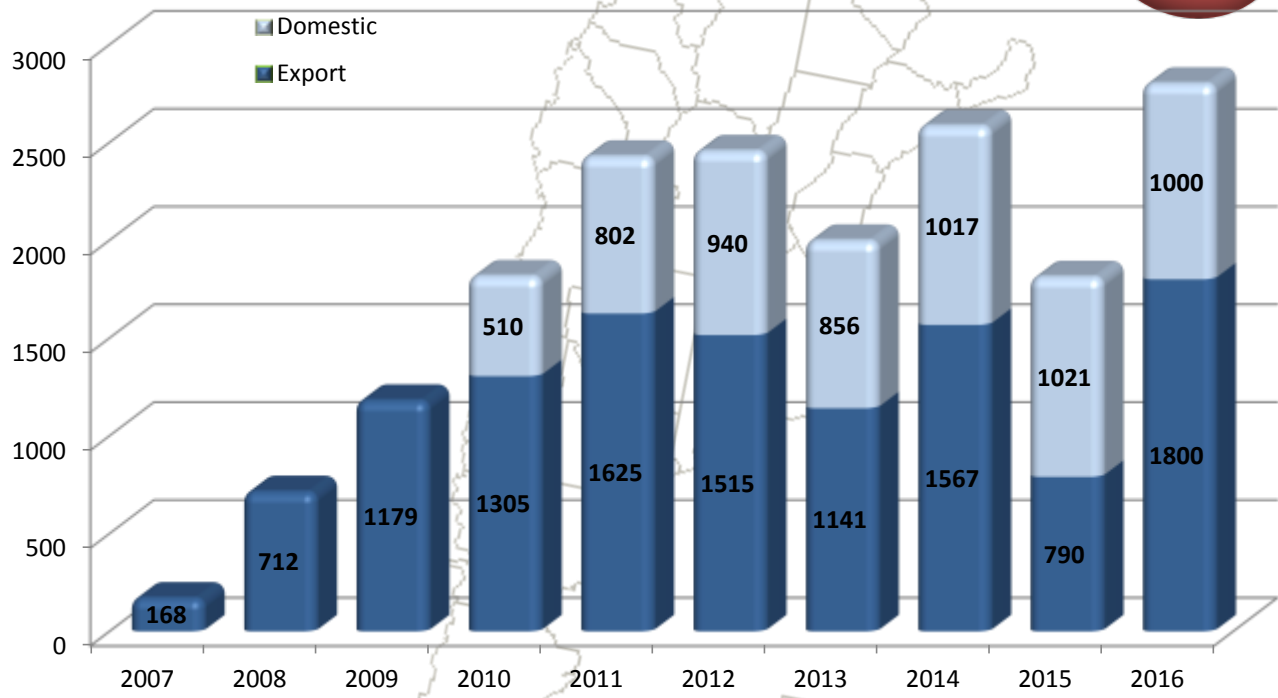


Total production capacity: 4.5million tons
Total Investments: US\$ 1.5 billion

Argentine Biodiesel Markets

- in thousand tons -

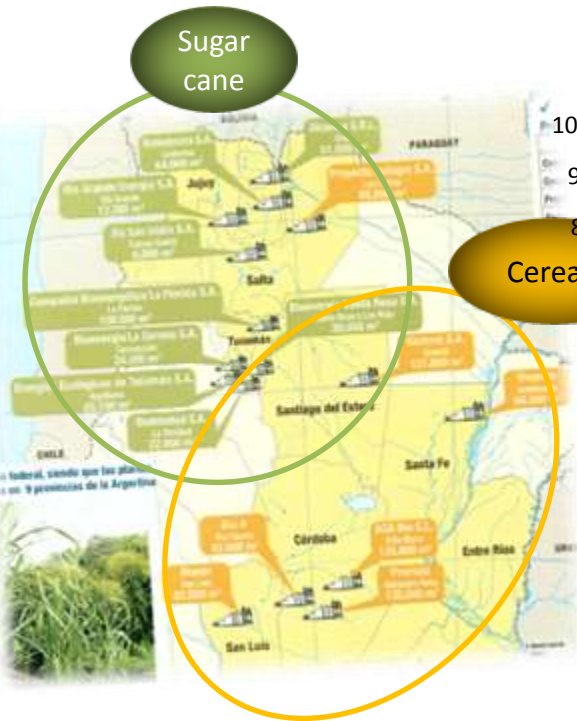
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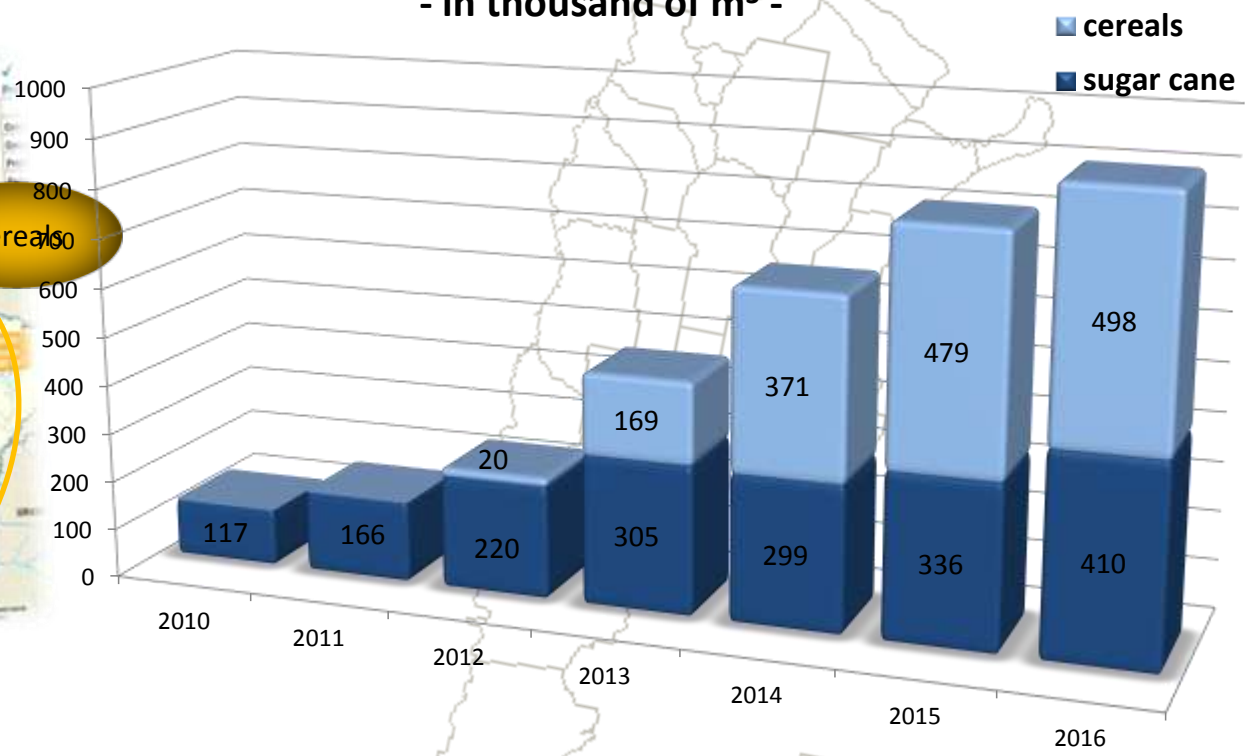
40% Domestic market, 60% Export market in 2015



BIOFUELS DEVELOPMENT IN ARGENTINA - BIOETHANOL



Production of Bioethanol - in thousand of m³ -



12% - Mandatory use of bioethanol in 2016



PROMOTION OF RENEWABLE ENERGY

RenovAR 2: Most recent tender for renewable power for the national grid for 1,200 MW

Proposals for 9,500 MW were received. **Biomass: 56 projects = 263 MW »**

- 20 projects: dry biomass = 188 MW.
- 36 projects: biogas = 75 MW of which 15 MW are MSW.

Wide geographical range: Provinces of Buenos Aires, Chaco, Córdoba, Corrientes, Formosa, La Pampa, Misiones, San Luis, Santa Fe, Santiago del Estero and Tucumán.

- Most dry biomass projects are from the Northeastern provinces and most biogas projects are located in the central region, Corrientes and Misiones, and the greater Buenos Aires area.

Benefits: Reduction in GHG, energy security, greater source of employment than other renewables, decentralized regional development and local value addition.

New LAW Renewable Energy Sources in
Electricity Generation – National
Development Scheme 2017 – 2025.

LAW N° 27.191



Enhance National development scheme, setting a new goal for 2025, increasing the renewable sources participation at 20%. The law establishes ... *"every regulated entity must achieve the minimum incorporation rate of 8% of the total own consumption of electricity, with energy from renewable sources, since December 31, 2017, and 20% at December 31, 2025 "* ...

Bioenergy Week in Argentina

- **Bioenergy Week** is to be held in Argentina in June 2018. GBEP, participating countries and business will be able to showcase their work on bioenergy, provide information on policies and display opportunities for the sustainable deployment of the sector.
- At that time, Argentina will hold the **Presidency of the G20**. On Dec 1, President Mauricio Macri will announce the agenda for the next summit, and it is expected that climate change will be among the priority items.
- This context will provide an opportunity to renew G20 support of GBEP activities and to reaffirm its encouragement of countries and agencies to support the implementation of GBEP's sustainability indicators.





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