



Bioenergía

INICIATIVA CLUSTER / Cali – Valle del Cauca

Bioenergy *Cluster* Initiative

2019



The Chamber of Commerce of Cali is the local institution in charge of managing the public companies registry of the city of Cali and other municipalities.

The Chamber of Commerce has a wide portfolio of business development programs, from which, the *Cluster* Initiatives stands out for its high impact projects and collaborative work along a diverse set of industries.

7 Cluster Initiatives

A more competitive and prosperous region



¡Let's keep working
together for the región!



Cámara de
Comercio de
Cali

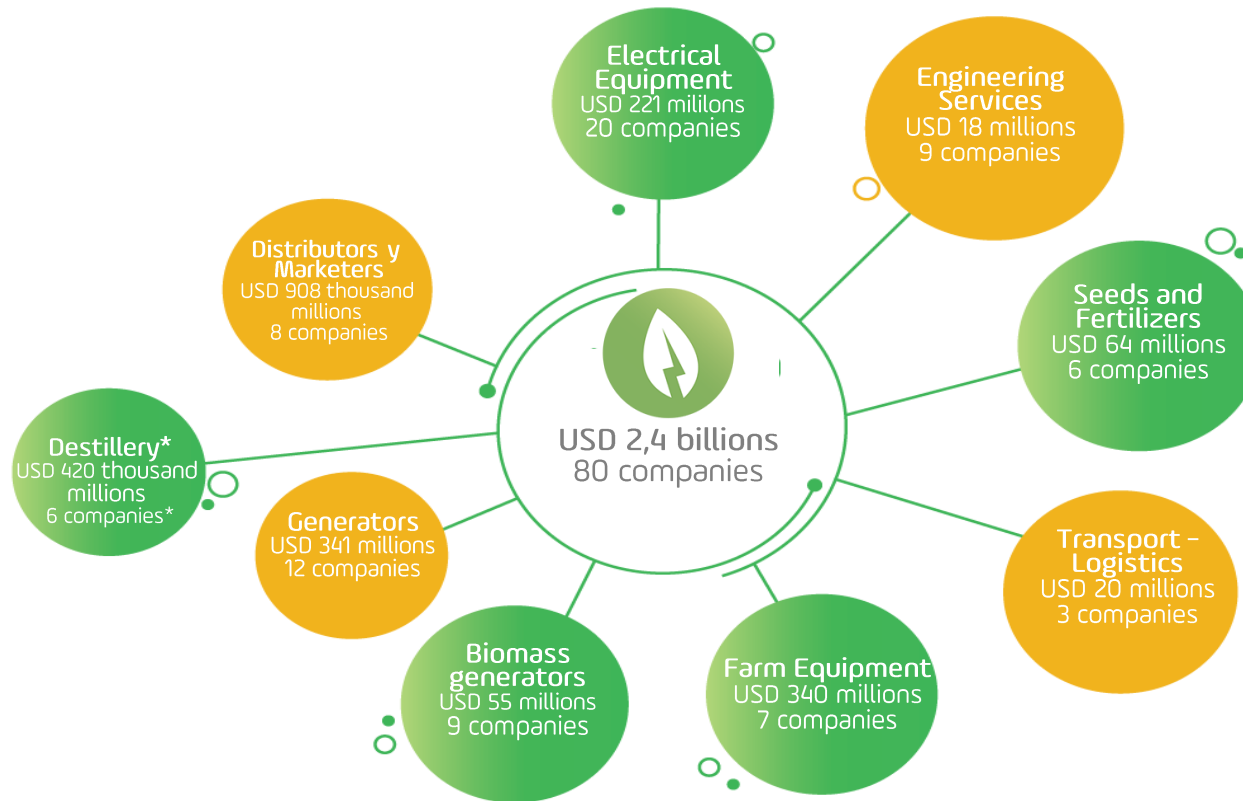
Plataforma
Cluster



The **Bioenergy** *Cluster* comprehends the companies related to the energy generation process and biofuels from biomass (agricultural, forestry and livestock) in the geographical valley of Cauca River.

Business Network of the Bioenergy Cluster Initiative

Revenue 2017 (COP), growth rate (%) revenue 2017/16



* There are 6 distilleries that are also generators
Updated July 2018

20 companies participate in the Governance model of the Bioenergy Cluster Initiative

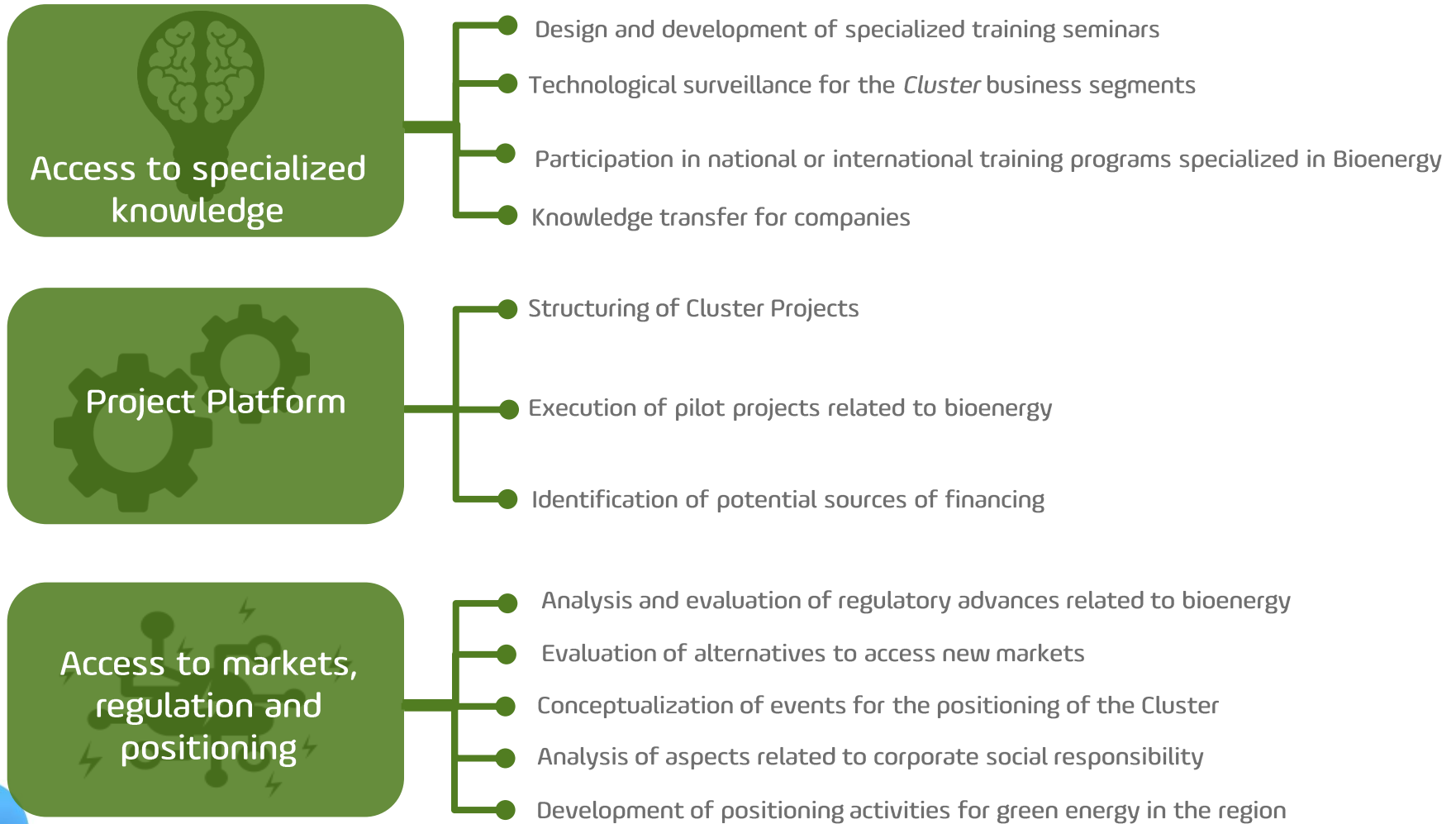
Strategic Committee



Work Committee



Plenary Session



Colombian Enterprises Profile



Cartón de Colombia S.A. is a producer of corrugated cardboard, paper, pulp and paperboard packaging. It has the potential to produce bioenergy from forest residues of pine and eucalyptus. It has 44,670 productive hectares and 21,490 hectares in protected forests distributed in 7 departments of the Country. In 2017 they registered revenue for EUR 292,1 million approximately

[Website](#)



Sugar mill founded in 1864, produces sugar, ethanol and vinasse, among other products. In 2017, it cogenerated 2,405 mw/h of electricity and registered revenue for EUR 222,9 million approximately. Since 2016, it injects surpluses into the country's electricity grid.

[Website](#)

Colombian Enterprises Profile



Sugar mill founded in 1918, produces sugar and ethanol from 6,238 ha of cane. Its distillery has a daily production capacity of 400 thousand liters of alcohol. Since 2015 it has a cogeneration plant of 36.2 MW of installed capacity, in 2017 it cogenerated 29,300 mw/h and registered sales of EUR 24,8 million approximately

[Website](#)



Logistic solutions company for biomass collection in the field. Currently develops models for the collection and use of agricultural residues of sugarcane harvest and RAC with some sugar mills. In 2017 they registered revenue of approximately EUR 45.574

Colombian Enterprises Profile



Domiciliary public services company founded in 1992. Distributes natural gas in Valle del Cauca and Cauca departments to more than 1 million users, in 2017 it registered revenues of EUR 292,1 million approximately

[Website](#)



Company of domiciliary public services, generator, distributor and marketer of electricity from 13 hydroelectric plants located in 3 departments. The company generates 190 Gw / h per year. In 2017 they registered revenue of EUR 63,4 million approximately

[Website](#)

Colombian Enterprise Profile



Colombian engineering company that offers instrumentation, automation and industrial process control solutions focused on increasing productivity, energy efficiency and the environment. They have more than 16 years of experience in boiler automation. In 2017, Seita registered revenue of EUR 350.570 approximately

[Website](#)



Research Center of Sugar Cane. It is a private corporation that promotes innovation in the agroindustry through the realization of research and development projects in accordance with the strategic planning of the productive sector. It directs research programs in varieties, agronomy and factory processes, and specialized services in information and documentation, computer technology, economic and statistical analysis, technical cooperation and technology transfer.

[Website](#)

Colombian Enterprise Profile



Una empresa Carvajal 

Colombian multinational that uses bagasse as raw material for paper production. In addition, Propal recently ventured into logistics operations for the collection of sugar cane residues left after harvest (RAC)

[Website](#)

Main interests of colombian companies during the visit to Austria

Companies are interested in having a visit schedule that includes these elements:

- Know the Green Tech Cluster and the biomass ecosystem in Austria
- Know the logistic operations of collection and treatment of the waste in the field (for example, forest residues). logistic operations for the management of biomass in the field are one of the main barriers to the development of bioenergy projects in Colombia
- Visit bioenergy projects (bioelectricity, biogas and other biofuels) in operation. There is a great interest in visiting bioenergy plants from different biomasses
- Visit universities and research and development centers related to bioenergy

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Thank you