



Centro Nacional de Producción Más Limpia

SUSTAINABLE BUSINESS DEVELOPMENT



www.cnpml.org



Centro Nacional de
Producción Más Limpia

With support from the Swiss government and Colombian public and private agencies, the National Center for Cleaner Production and Environmental Technologies – CNPMLTA -- was born in 1998 as a response to the need to support sustainable business development through the promotion of better productivity, competitiveness and sustainability.

It is a non-profit Corporation, part of the National System of Science and Technology.



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General Information



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The CNPMLTA has national coverage. Its principal office is located in Medellín city, and has permanent staff in Cali, Montería and capital city, Bogotá.

Also, has professionals involved in different areas of knowledge: engineering (environmental, chemical, industrial, manufacturing, mechanical, systems); communication; administration; law; and accounting among others.

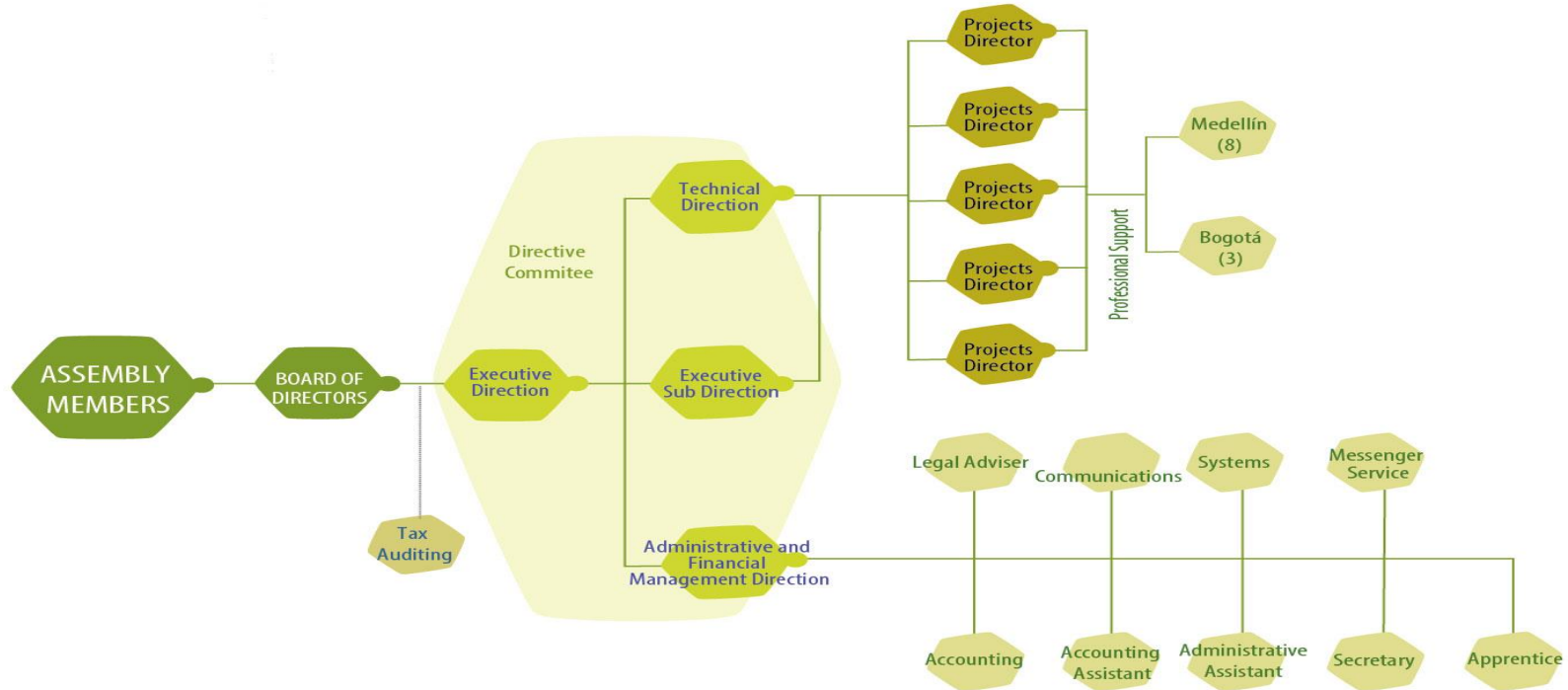


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Organization Chart

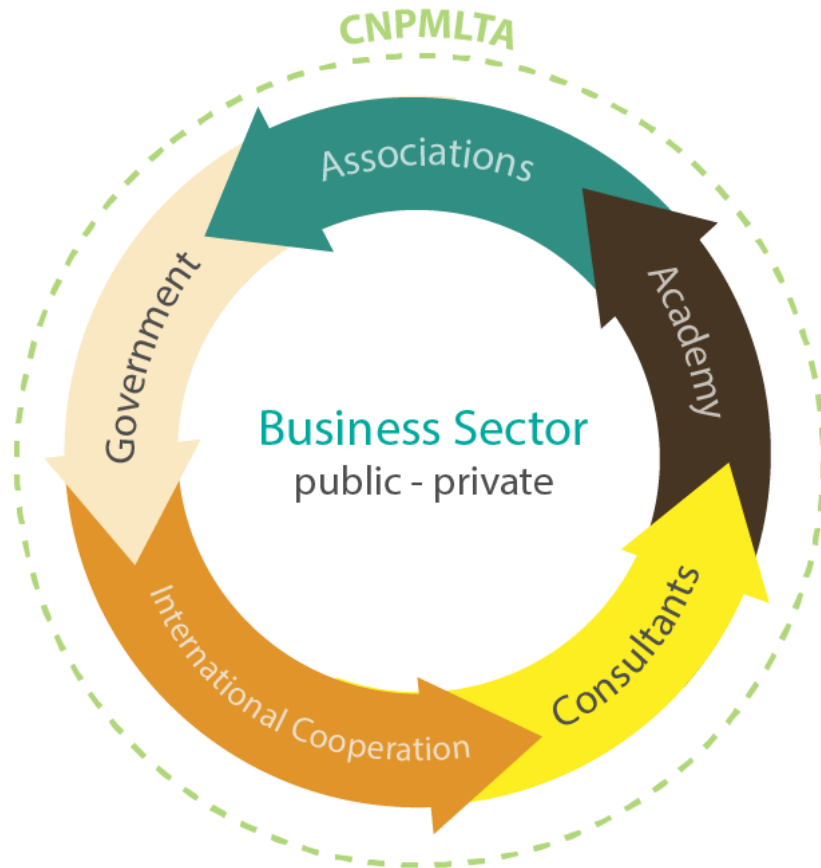


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Our value-added is to be the link between key organizations looking to develop Sustainable Consumption and Production Policies at national and international level.

We offer to public and private business sector knowledge transfer of environmental technologies.



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Members



Business Sector

Enka de Colombia S.A.
Grupo ARGOS
Grupo CORONA
Grupo DIACO
Mineros de Antioquia S.A.
Monómeros Colombo Venezolanos



Public Universities

Universidad de Antioquía
Universidad Nacional
Universidad Tec. de Pereira.
Universidad del Valle



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Members



Private Universities

Escuela de Ingenierías de Antioquia - EIA
Universidad EAFIT
Universidad Pontificia Bolivariana – UPB
Pontifica Universidad Javeriana – Sede Cali



Asociaciones

Asociación Nacional de Empresarios - ANDI
Asocolflores
Cámara de Comercio Colombo Alemana
Cámara de Comercio Colombo Americana
Cámara de Comercio Colombo Suiza
Cámara de Comercio de Medellín para Ant.
Comité Departamental de Cafeteros de Antioquia
Corporación Empresarial del Oriente - CEO



Members



Centro Nacional de
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Science and Technology Sector
Centro Nacional de Productividad



Public Sector
Empresas Varias de Medellín E.S.P. EE.VV
Ministerio de Ambiente y Desarrollo Sostenible
Servicio nacional de aprendizaje – SENA



Environmental Authorities
Área Metropolitana del Valle de Aburrá – AMVA
Corporación Autónoma Regional – CORNARE
Corporación Autónoma Regional del Centro de Antioquia – CORANTIOQUIA
DAGMA – Cali



Miembros



Social Sector

Fundación CODESARROLLO

Fundación MAMONAL

Fundación PROANTIOQUIA

Fundación SURAMERICANA



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International partners



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ETH zürich



grütter
consulting

Zurich University
of Applied Sciences



 Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation



ECONOTERMIA
ASESORIA MEDIOAMBIENTAL



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National Partners



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Ministries: Environment and Sustainable Development; Industry,
Commerce and Tourism; Mines and Energy.



Banco de Bogotá

Bancolombia

epm



PURA VIDA



Servicio Nacional
de Aprendizaje



COLCIENCIAS
COLOMBIA



ALCALDIA MAYOR
DE BOGOTÁ D.C.
Secretaría Distrital
Ambiente



Corporación Autónoma
Regional del Valle del Cauca



CORANTIOQUIA



FONDO
PARA
LA ACCIÓN
AMBIENTAL
Y LA NIÑEZ

Others.

Our Services



Centro Nacional de
Producción Más Limpia

Technical Assistance and Legal Projects: From the diagnosis and the formulation up to the joint implementation of environmental projects.

Advising and Financial Management: In the production and project presentation of environmental investment. We look for national financing sources and internationally that support technology and economically the projects

Coaching and Training: Through academic activities such as workshops, courses and seminars, also we offer practical formation and facilitate the exchange of experts and teachers with companies and foreign universities, between others.

Promotion of the Transfer of Environmental Technologies



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Centro Nacional de
reducción Más Limpia

Areas of **Work**

Corporate Environmental Management
Waste Management
Sustainable Management of Chemicals
Environmental Financial Management
Government Management
Sector Programs



Corporate Environmental Management



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Producción Más Limpia

Resource Efficiency and Cleaner Production:

We study the efficient use of resources, raw materials and supplies in your business, to identify specific optimization options.

Sustainable Procurement:

We develop initiatives that promote structured to acquire goods and more environmentally and socially compatible service schemes.



Corporate Environmental Management



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Producción Más Limpia

Life Cycle Assessment and Sustainable Product Design:

We evaluate the environmental impact of products and services throughout their life cycle from design, raw materials, production, distribution and use, to disposal.

Carbon Footprint:

We calculate the carbon footprint of products, processes and services by evaluating CO2 emissions in the life cycle.



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Corporate Environmental Management



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Water Management:

We study procedures, consumption, and reuse water of production processes to propose efficient technology solutions and best practices for the management of savings.

Energy and Climate Change:

We analyze your electricity consumption and fuel throughout its production process and propose optimization proposals, development and application of energy technologies, reducing the impact on climate change.



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Corporate Environmental Management



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Water Footprint:

We calculate the total volume of water used to produce goods and services in your business, both directly and indirectly, and the product life cycle (from raw materials to disposal)

Sustainability Reports:

We advise the process of assessment and communication of the results in terms of corporate sustainability performance indicators and management. Prepare reports standardized methodologies.



Corporate Environmental Management



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Producción Más Limpia

Clean Technology:

We promote, disclose and make demonstrations of clean to improve their productivity and competitiveness technologies.

Eco-innovation:

We support for the development of an integral strategy for the company, including business model, products, processes, marketing, communication and other areas of the company, promoting the efficient use of natural resources and the implementation of new management.



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Corporate Environmental Management



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Ecolabelling:

We advise on the implementation of requirements for product certification under concepts in green stamps or ecolabelling oriented specialized markets.

Green Markets:

We encourage the development of actions to improve their products, processes and services in order to implement environmental performance requirements and promote new market spaces.



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Waste Management



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Dangerous Waste, RESPEL (for its acronym in spanish):

We prepare management plans and integrated management, aimed at establishing hazard characteristics in their production processes for prevention, treatment and controlled disposal of dangerous waste.

Integrated Management of Solid Waste, GIRS (for its acronym in spanish):

We design programs to give the waste produced the most suitable destination from the point of socio--environmental, according to their characteristics, volume, source, cost, treatment, utilization, marketing and disposal.



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Waste Management



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Waste Electrical and Electronic Equipment, RAEE (E-waste).

We support the Government and the private sector in the definition of policies, programs, and regulations for the proper management of RAEE. Visit: www.raee.org.co

Waste Exchange and Industrial Byproducts, BORSI (for its acronym in spanish):

Exchange of wastes and industrial by-products, by sales transactions between supply and demand and through the recovery, recycling and re-introduction of such materials to the supply chain. Visit: www.borsi.org



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Sustainable Management of Chemicals



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Green Chemistry: We promote the development of new products, processes and programs aimed at social, economic and environmental objectives services.

Innovative Chemical Solutions:

We support the identification of actions for innovation in the chemical industry aimed at the reduction of chemical risks, and optimizing processes.



Sustainable Management of Chemicals



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Chemical Leasing (ChL): We support in the implementation of a new business model with value added, where vendors sell chemicals for its functionality and not quantity, where the manufacturer or supplier involved with his extensive experience in optimizing the use units products.

Visit:

www.chemicalleasing.com

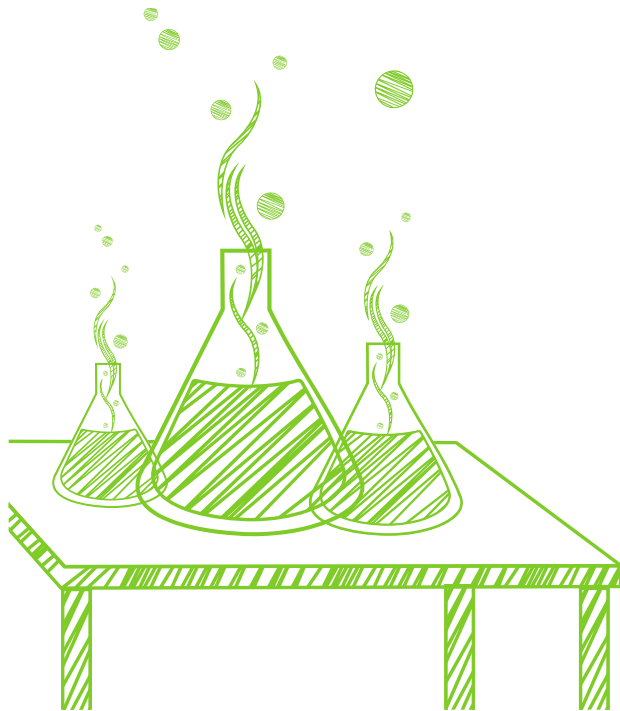


Sustainable Management of Chemicals



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Minamata Mercury Project (MIA): We support the implementation of the Project MIA and we will do the Mercury Inventory for Colombia for 2015 and we will do the socialitation the Project MIA, we will build the gaps and institutional barriers for government institutions with the support of MADS and UNIDO.



Environmental Financial Management



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Green Credit Line: We support the financing of investments aimed at reducing environmental impacts with technological restructuring, granting reimbursements of up to 25% of the value of the credit / financial leasing.

Visit: www.lineadecreditoambiental.org



Tax Incentives: Advice on technical procedures for tax exemptions on investments in improvement and environmental control (gas emissions, wastewater, solid waste, water efficiency or energy, among others).



Environmental Financial Management



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Clean Development Mechanism: Reducing Greenhouse Gas Emissions under the Kyoto Protocol. Promote the commercialization of the relevant certificates and we encourage clearing.



National and International Sources of Funding: Thanks to our national and international partners accompany you in obtaining resources for the definition and implementation of environmental projects.



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Government Management



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National and Regional Policy:

Provide technical assistance in defining and establishing policies for Sustainable Production and Consumption, and support the creation and development of institutional capacities for implementation.

Assessment of socio-environmental externalities of investment projects:

We identify the external costs and benefits in health, noise, climate change, energy consumption and economy, with the implementation of new investment projects and infrastructure.



Government Management



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Ecological Footprint:

We measure and evaluate the impact on the planet of the habits and lifestyles of a community.

Sustainable Procurement:

Advise and define environmental and social criteria, as well as economic, as a condition for purchasing and procurement of goods and services.



Sector Programs



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Mobility and Transport:

Technology assessment and impact of transportation systems.

Sustainable Tourism:

Advise the tourism cluster setting sustainability standards that permit action under the criteria of harmony with the environment, the community and local cultures.

Environmental and Energy Efficiency in Buildings:

We study the management and use of water, energy and waste in buildings, in order to establish plans to reduce consumption, sound management and incorporation of eco-efficient technologies.





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THANKS YOU



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