

SYMBIO GREENTECH Pvt.Ltd.

SYMBIO GREENTECH – BIOSFERA FOUNDATION JV Operation

SYMBIO Greentech Pvt.Ltd has a collaboration with a Netherlands based organization Biosfera Foundation to work jointly India on sustainable environment Management, Biomass Power generation and Circular Cities

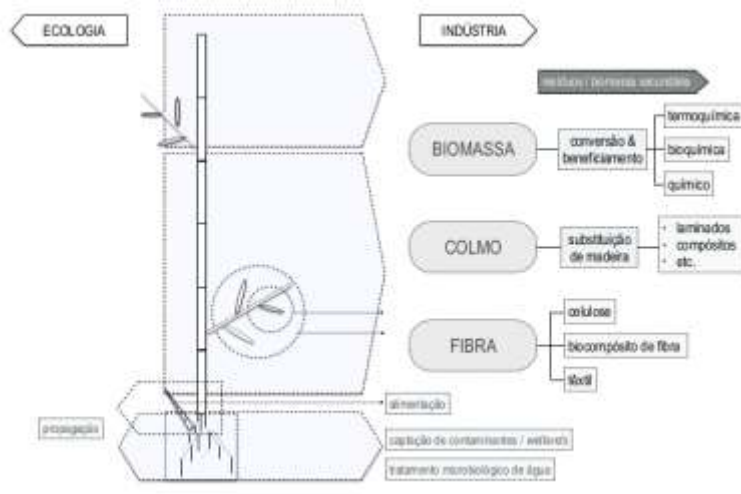
The SYMBIO Greentech & BIOSFERA Foundation is geared towards developing a sustainable biobased, circular and creative economy, industry and society. As a knowledge center we:

- develop and implement programs, projects and events;
- create collaborative platforms;
- generate and manage intellectual property;
- generate conscious awareness;
- develop and offer training and education.

BIOSFERA does this through a number of interrelated and synergetic systems that serve as conceptual roadmaps for achieving the Foundation's objectives.

BIOSFERA makes the case for a whole-systems approach, identifying that no one component of its systems can be optimized in terms of its' efficiency, if it is not geared towards the larger context within which our projects and programs are being implemented.

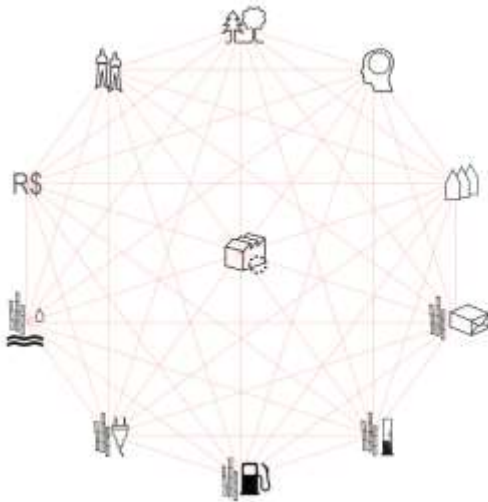
Bamboo Bio Based (BBB)



BBB entails the industrialization of native bamboo for the biobased economy. Biomass is the only renewable source for materials, and bamboo has the potential to be a highly sustainable biomass feedstock for a wide range of industrial applications. Next to that, native bamboo is suitable as an important agent that can be deployed in the recovery, regeneration, restoration and remediation of contaminated and degraded lands, thus contributing significantly to social-environmental sustainability.

In developing the productive- and value-chain for the different industrial applications of bamboo within the contexts of sustainability programs and biorefineries, both the advantages and challenges of bamboo need to be addressed. BBB is doing the science, develops the protocols and the methodologies and implements the pilots, based upon which a viable, stable and successful rollout of a sustainable bamboo industry in Latin America is made manifest.

Agro-Industrial Metabolism (AIM)



AIM creates the link between the urban- and rural/agro-industrial metabolic loops. By focusing on the valorization of residual streams through decentralized infrastructure, introducing both new technologies and new feedstock, the environmental burden of those productive chains are significantly reduced. A bottom-up approach and methodologies that are aimed at dovetailing sustainable rural development with agro-industrial requirements form the basis in developing sustainability programs aimed at climate change-mitigation and adaptation, social-environmental objectives and the conservation and regeneration of biodiversity and the natural environment at large.

CircularCity - Cidade Circular (CC)



CC develops operational platforms and productive chains for closing the loops of urban metabolism: water, energy, waste, nutrients and materials. A distributive and socio-technological approach uses state-of-the-art solutions addressing pressing problems in cities and the built environment. Through mapping the infrastructural requirements of all involved, multi-stakeholder constructs are addressed horizontally, allowing for the introduction of disruptive technologies that strengthen the resilience and auto-sufficiency of vulnerable communities, democratizing technological innovation.

Operations in In India

Indian Partner & Project Associate - Bamboo Bio Based (BBB), Agro-Industrial Metabolism (AIM), CircularCity - Cidade Circular (CC) Sustainable environment Management in co-ordination with Netherlands Embassy, Climate & Growth Unit Division, New Delhi

Biomass For All Projects - Bioenergy crop plantation & Decentralized Biomass Power plants in West Bengal & Assam

International Projects

Technical Consultant to Biosfera Foundation, Netherlands

- Tubarao River Restoration – Brazil
- Coastal Restoration - Suriname, South America
- Eco Smart City - Megapolis Western Development, Sri Lanka

Address for Communication

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