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Jatropha Biokerosene Initiative



The ABPPM and the Jatropha Alliance are currently launching a joint **Jatropha Biokerosene Initiative**. The purpose of this initiative is to address the need for large volumes of Jatropha oil as a feedstock for biokerosene by creating a global agricultural platform on three continents.

IATA's goal of reaching a 15% biofuels component in jet fuel by 2020 would require a supply of millions of tons of jatropha oil per year—creating a multi-billion-dollar market. The Jatropha Biokerosene Initiative will serve this market by focusing on research and development, responsible sustainable farming, security of supply, optimal logistics and social development.

The **first phase** of this project will run **from 2010 through 2014**, and will include research and development for jatropha, placement trials, training of participating projects, family farmers and workers on the best practices for small and large-scale farms — with test farms being established in Latin America, Asia and Africa.

Phase 2 will run **from 2015-2020** and will lead to **implementation of large-scale plantations to produce at least 1 million tons of Jatropha based biokerosene p.a. by 2020**. The best pilot projects on all three continents will be scaled up and refinery infrastructure and logistics will be implemented to guarantee global supply security.

The ABPPM – Jatropha Alliance Agreement is a key example of how jatropha-based biofuels are advancing to a new global level to meet the rising feedstock demand. With support of the Brazilian government and private sector players, the projects will provide definitive scientific data on the agricultural, social, environmental, economic and technological issues to be addressed.



RESOURCES AND PARTNERS

As the world's overwhelming leader in biofuels production—thanks to the ethanol-from-sugar program started in Brazil more than 30 years ago—Brazil is home to a number of state and private organizations that can support this research. One of the most important is Embrapa, the Ministry of Agriculture's agricultural research company. Embrapa and ABPPM already are collaborating in test plots covering about 40 hectares in 2010 with two accessions selected through mass selection, and a commercial accession.

ABPPM and Jatropha Alliance work with **Embrapa** and other interested Brazilian and international partners to set up and manage within the next four years a **plantation program based on annually improved accessions** until cultivar status for jatropha is achieved. The first step of this program covers four different states of Brazil, starting with Maranhao (2 sites), Mato Grosso (1 site), Minas Gerais (1) and Para (1 site) with single and food-intercropped Jatropha test beds. For the planting season of 2010-11, the **placement trials will be extended to a global scale** and test plots will be implemented in several countries in Africa and Asia, plus in 10 more states in Brazil.

Systematic data collection on the performance, input volume, plant care, pruning and soil and climatic condition will feed into a geo-referenced database allowing a complete **Life Cycle Analysis** to confirm the sustainability of jatropha as biofuel feedstock. Social conditions and economic feasibility will also be monitored to determine the **socioeconomic impact of Jatropha production** on farmers and farm-workers. This work will be coordinated by the Jatropha Biokerosene Initiative to include development of comparable Jatropha plantation templates in South America, Central America, Africa and Asia—to guarantee a global supply base for biokerosene.

The Jatropha Biokerosene initiative is currently in discussions with further potential partners in the Jatropha Biokerosene value chain and invites further parties to join the initiative.

For this purpose, we would kindly like to invite all interested parties to join our Jatropha Biokerosene information session at the **World Biofuels Markets in Amsterdam at 16th of March 2010 at 4 pm in Room D304 in the Elicium Tower**, a 3 Minute walk from Hall 10.

We are looking forward to collaborating with you for Jatropha based biokerosene.

Best regards



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President
Jatropha Alliance



Mike Lu
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