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# JATROPHAM/ORLD200

## 10 - 11 June

Miami, USA • Hilton Miami Downtown

**Opening Keynote Address by:** Hon. Alberto Cardenas Jimenez Secretary of Agriculture, Livestock, Rural Development, Fisheries and Food supply Mexico



## **Competitiveness of Jatropha and its Financing, Agronomic & Processing Challenges**

EUREKAHEDGE

University of Florida, IFAS Lee County Extension Nexant, Inc. Amelot Holdings, Inc. Imperium Renewables Nandan Biomatrix Limited **Deutsche Bank Biodiesel Industries Inc. Proyecto BKS** 

**Pan-Am Biofuels** ScanFuel AS Philippines National Oil Co. Alternative Fuels Corp. **Euro-Latin Capital GEXSI - Global Exchange for Social Investment D1 Oils Plant Science** Wageningen University DreamFuels Ltd.

BioSolar Group / CytoCulture International, Inc. Green Microfinance, LLC. PT. Waterland Asia Bio Ventures **Biogreen Oil** Abundant Biofuels Corp. Viridas PLC TerraCottem nv **GHP** - BioDiesel

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#### **Pre-Conference Workshop**

9 June. 14.00hr – 17.45hr A to Z of JATROPHA CURCAS L. (Separately Bookable)

#### Message from Workshop Leader:

In our search for renewable energy sources, Jatropha curcas has been promoted as a bio-energy crop with huge potentials. The claims on Jatropha curcas are based on a number of positive traits and characteristics, each of them observed separately from the other and under different circumstances. Real numbers and scientifically sound publications are hardly found, and you may wonder why. In this workshop we will introduce you to a better understanding of the plant and we will address the claims and facts on Jatropha curcas through a plant physiological and production ecological approach. The workshop will help you to get realistic expectations of the crop as a renewable energy source.



#### Workshop Leader:

Dr. ir. R.E.E. (Raymond) Jongschaap Teamleader, Global Jatropha curcas Evaluation Program Plant Research International Wageningen University and Research Centre

The Global Jatropha curcas Evaluation Program (http://www.jatropha.wur.nl) generates scientifically sound information on Jatropha curcas by studying the genetic variability of Jatropha curcas in the world and relating that to local traits that are important for the sustainable crop (oil) production at small and at large scale.

#### Workshop Outline:

#### Introduction to the role of Jatropha curcas in bio-fuel supply

- Role of the plant in bio-fuel production
- Characteristic of the plant
- Large and small scale production
- Sustainable production of bio-fuels

#### Claims and Facts

- Planting in marginal soil and waste land reclamation
- Drought resistance / Low water use
- Low nutrient requirements
- High oil yield
- Low labour input
- Competing claims between food and biofuel production
- Tolerance to pests and diseases

#### Agronomy

- Soil conditions
- Intercropping
- Genetics, Breeding and Propagation Techniques Crop traits
  - Accessions and varieties
  - Breeding schemes

#### Processing

- Oil fraction and quality
- Solvent extraction

- Day 1 Tuesday, 10 June
- Registration and coffee 8.00
- Chairman's Welcome & Introduction 9.00
- **KEYNOTE ADDRESS: MEXICO -**9.10 **AMERICAS' EMERGING CHAMPION** FOR SUSTAINABLE PRODUCTION OF **JATROPHA CRUDE OIL** Hon. Alberto Cardenas Jimenez Secretary of Agriculture, Livestock, **Rural Development, Fisheries and Food Supply, Mexico**
- 9.30 **COMPETITIVENESS OF JATROPHA**, **UTILIZATION ROUTES. AND ECOLOGICAL EFFECTS**

Fitzrov B. Beckford Agriculture & Natural Resources Agent University of Florida, IFAS Lee **County Extension** 

#### 10.05 STATUS OF JATROPHA AS A **BIOFUEL FEEDSTOCK**

- Overview of development activities
- Economics for jatropha processing relative to competing biofuels
- Competition

· Areas for improvement and outlook Bruce F. Burke

Vice President, Global Oil and Gas Nexant Inc.

10.40 Discussion followed by Refreshments

#### 11.30 **CONSIDERATIONS IN SETTING -UP A COMMERCIAL-SCALE IATROPHA PLANTATION**

- Agricultural land use planning and Jatropha
- · Key agronomic requirements for successful establishment and long term productivity of an economically feasible plantation - site selection and agro climatic feasibility
- Propagation and Cultivation methods - advantages and disadvantages and where they are most applicable
- Plantation management

Jon McLea, Director of Agricultural Development **Imperium Renewables** 

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- 12.05 **INVESTOR'S PANEL: ATTRACTING INVESTMENT FROM PROJECT FINANCIERS, PRIVATE EQUITY & FUND MANAGERS** 
  - Investment trends and perspective on jatropha
  - Selection criteria
  - Characteristics associated with successful application
  - Risk appetite Panelists include: Mark Fulton, Managing Director and Head of Climate Change Strategy Deutsche Asset Management, **Deutsche Bank**

Christian Langaard, Managing Director **Euro-Latin Capital** 

William Grathwohl **Biogreen Oil** 

- 12.45 Discussion followed by Lunch
- 2.00 Chairman's Remarks

#### **INVESTMENT OUTLOOK & COMMERCIALISATION MODELS**

#### 2 0 5 **IDEAL CONDITION FOR GROWING JATROPHA IN USA**

- Includes Research on cold tolerance
- Update on test plot in MEXICO Russell Teall, President **Biodiesel Industries Inc.**
- 2.40 **DEVELOPING JATROPHA** PROJECT IN COSTA RICA Senior representative **Pan-Am Biofuels**
- 3.15 **JATROPHA IN ARGENTINA – OPPORTUNITIES AND CHALLENGES** IN THE DEVELOPMENT OF AN **INVESTMENT PROJECT** Lucas Trotz, President **Proyecto BKS**
- 3.50 Discussion followed by Refreshment

#### 4.20 **INTEGRATED JATROPHA-BIODIESEL PROJECT**

- Improved breed which delivers higher yield
- Farming contracts/arrangements

- Press technology

#### · By-products and their use

Propagation techniques

- Irrigation
- Nutrient management

Pest & disease management
 Pruning & flower induction

- Off-take agreements
- Forecasted pricing structure for seed trading and CJO
   B. Jaya Kumar, Director
   Nandan Biomatrix Ltd.
- 4.55 SEED GARDEN ITS NEED AND IMPORTANCE Thor Hesselberg, CEO/Founder ScanFuel AS

#### 5.25 INTERACTIVE PANEL: FEASIBILITY OF JATROPHA-BASED BIODIESEL PROJECT

- Economic and production model
- Financing strategy
- Earning carbon credits
   Panelists include: Aziz Hirji, CEO

Amelot Holdings, Inc.

William Grathwohl Biogreen Oil

Charles V. Fishel, Chairman **Abundant Biofuels Corp.** 

6.00 Discussion followed by End of Day 1

1815 - 1930 hrs. *Networking Deception* for Speakers & Delegates

## Day 2 - Wednesday, 11 June

9.00 Chairman's Remarks

#### 9.05 JATROPHA BUSINESS MODEL IN

- Investment regulation / government support program
- Economic model
- Organization model/Farming model direct ownership or contract farming and its mechanism
- Seed and oil yields
- Integration of small holder farmers

#### ✤ THE PHILIPPINES

Peter Anthony A. Abaya, President & CEO PNOC Alternative Fuels Corporation

#### \* MADAGASCAR

Thilo Zelt, Biofuel Team GEXSI - Global Exchange for Social Investment

Program topics, speakers and schedules published herein are confirmed as at printing time. Please refer to the event's timetable page at www.cmtevents.com for the most up-to-date information.

- 10.00 BIODIESEL AND COMMUNMITY DEVELOPMENT IN RURAL HAITI Kathleen Robbins, Director of Clean Energy Green Microfinance, LLC.
- 10.35 Discussion followed by Refreshments

#### **AGRONOMY, GENETICS & HARVESTING**

11.05 YIELD IMPROVEMENT: AGRONOMIC PRACTICES & CROP MANAGEMENT Dr. Piet van der Linde Technical Development Manager D1 Oils Plant Science

#### 11.40 GLOBAL JATROPHA CURCAS GENETIC DIVERSITY STUDY

 Development of new breeding methods combining the Meso-American genetic variation with elite Indian and African J. curcas Luis Rodolfo Montes Osorio Plant Breeding Department Wageningen University

#### 12.15 INTERACTIVE PANEL: PLANTATION MANAGEMENT & HARVESTING

- Soil conditioner that helps to rehabilitate degraded land
- Making mechanisation a reality-development of mechanical seed sowing and harvesting *Moderator:* Paul S. Dalton, CEO
   DreamFuels Ltd.

Stanley Wootliff, Executive Chairman Viridas PLC

Davy Ottevaere, R&D Manager TerraCottem nv

12.45 Discussion followed by Lunch

#### 2.00 BUILDING BLOCKS FOR SUSTAINABLE OIL

- The need for independent certification of sustainability
- A proactive PPP approach to infrastructure and community building
- Local R&D partnerships on plant technology and biodiversity
- A portfolio approach to identifying and dis seminating 'best practices' - safeguarding in digenous rights, breaking the poverty gridlock of subsistence farming, and securing a locally adaptable industry

Bjorn Selleg, Founder & CEO Soil Corp

## PROCESSING TECHNOLOGIES & APPLICATIONS

- 2.35 IDENTIFYING COST EFFECTIVE JME PRODUCTION
  • Economics & Technologies
  - For start-ups to mid-sized projects Gerald Schwaiger, MD
     GHP - BioDiesel
- 3.10 INNOVATION IN OIL EXTRACTION & PURIFICATION William L. Nolten, President Director PT. Waterland Asia Bio Ventures
- 3.40 Discussion followed by Refreshment
- 4.10 FUEL QUALITY SPECIFICATIONS FOR BIODIESEL FROM JATROPHA Randall von Wedel, Founder & Principal Biochemist CytoCulture International Inc.
- 4.45 TECHNOLOGY & ECONOMICS OF USING JATROPHA PURE PLANT OIL ON VEHICLE, MACHINERY AND GENERATORS
- 4.50 Final discussion & chairman's closing remarks
- 5.00 End of Conference

## Day 3 - Thursday, 12 June

**Optional Site Visit to Jatropha Nursery** (Fee: USD100) Limited capacity; Registration based on first-comefirst-serve basis.

- 7.00 Gather at Hotel Lobby
- 10.30 Visit ECHO's Global Farm (diverse plantings of "underutilized" crops, including jatropha trees of 3 ½ to 4 year-old)
- 11.30 Lunch
- 12.00 Travel to La Belle
- 12.45 Visit Dream Fuels Ltd.'s Jatropha Nursery
- 13.45 Travel back to Miami
- 15.45 Back in hotel

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REGISTRATION			~ CMT's Upcoming Events ~
JATROPHA <b>WORLD2008</b> 10 - 11 June   Miami, USA		SINGAPORE PP 00097 Singapore PRIST	22 - 23 April 2008 • Bangkok, Thailand "Commercialisation Prospects - Feedstocks Availability, Enzymes
		Fees: The full Registration Fee includes cost of all sessions, luncheon, coffee/tea & documentation. Conference Fee for 1 Person (from the same company)	Technology, Water Purifications Issues & Processing Challenges"
		for 1 Person     (from the same company)       USD1,495     USD1,295 (MIN SAVINGS OF USD600)       Workshop Fee for 1 Person     Workshop fee for conference delegate	BiofuelsWorld
		* Terms and conditions apply.     Cancellations, Refunds & Transfers: A full refund will be	13-14 May 2008 • Manila, Philippines <i>"Moving towards Sustainability and</i>
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Register for       Image: conference       Image: plus site visit (Fee: US)         Image: plus workshop       Image: workshop only         Name       Name	D100)	Email:         sasha@cmtsp.com.sg           Fax:         (65) 6345 5928           Tel:         (65) 6346 9124	<ul> <li>is exploring investment in Asia</li> <li>Latest update on global and regional biofuel markets with in-depth look into strategies in <i>The Philippines, Thailand, Taiwan, Indi</i>a and <i>China</i></li> </ul>
Position		TELEGRAPHIC TRANSFER	<ul> <li>Find out the merits and technologies of ethanol from Sweet Sorghum</li> </ul>
Email	Account Name:Centre for Management TechnologyA/C No:251 - 004487 - 178Bank:HSBC Singapore		<ul> <li>Obtain pointers for managing feedstock price risks</li> <li>Clarify doubts on Biofuel specifications set-up by Tripartite Task</li> </ul>
Tel	Branch: Swift Cod	Marine Parade, Singapore e: HSBC SGSG	<ul><li>Force of Brazil, EU &amp; USA</li><li>Zoom into the developments of Jatropha in the areas of agronomy</li></ul>
Fax	Delegates	lude additional USD21 for Beneficiary's Bank charges. must bear all bank charges and local taxes	<ul> <li>and yield improvement</li> <li>Identify the environmental impact of biofuel production – important</li> </ul>
Company	(if applical	ble). Fees must be NETT of ALL charges.	for due diligence report to financiers <ul> <li>Explore the potential of biomass power generation</li> </ul>
Address		USTOMISED SPONSORSHIP PACKAGES AVAILABLE	Interact with industry leaders, investors and technology specialists
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Email: Giancarlo.Alonso@Hilton.com Cut off Date: 9 May 2008	Photocopy F	Registration Form to Preserve Brochure Copy. June 2008	of Various Feedstocks, DDGs Markets, Water Management & Supply Chain issues

#### Register online ~ www.cmtevents.com

### Vital Reasons to Attend JATROPHAWORLD2008

- GRASP details of seed certification and standards, country policies and pricing for seed trading
- OBTAIN valuable insight from international speaker panel consisting of plantation developers, biodiesel producers, agronomists, geneticists, process technology vendors and financiers
- EVALUATE the Jatropha economics and investment outlook
- ACQUIRE expert advice on agricultural land use planning
- IDENTIFY best agronomic practices and plantation management
- RECEIVE updates on latest seed processing, oil extraction, refining and blending technologies
- TAP ON the experience of prestige projects in Americas, Africa and Asia
- DISCOVER latest findings on genetic variety
- ASSESS fuel quality specification of biodiesel from jatropha
- CLARIFY YOUR DOUBTS by participating in 3 interactive discussions and Q&A sessions
- ENJOY over 8 hours of business networking opportunities
- ATTRACT and SECURE investment partners for your projects

JATROPHAWORLD2008 connects you with a network of knowledgeable practitioners and investors. Register early to guarantee your place. Jatropha curcas, a lowly forest plant that originates from Central America and used widely in India as fence crop, has recently found itself in the limelight of global search for alternative Biodiesel feedstock.

It is a perennial plant with high oil-content that grows well on land not suitable for food crop, and could be an economic development engine in poor rural areas. It is highly advocated by its supporters because it is non-edible and does not compete in the food-chain.

Big plantations involving thousands and hundreds acres picked up steam in numerous countries, (US, Brazil, Argentina, Columbia, Costa Rica, Ghana, Ethiopia, Mozambique, China, India, Philippines, Indonesia to name a few) as they adopt the Jatropha system to subsidize their energy needs, or for community development.

But as with any new crop, comes unknowns. Even as it grows in arid lands and degraded soils, does it mean that fertilizer is not required to produce higher yields? How about water/irrigation system? Should we be concerned with pests and diseases?

Also as jatropha plantation scale up for commercial production, it is pertinent to find new technology to address plant growth and yield enhancements.

Following CMT's 1st JATROPHAWORLD2008 conference in Indonesia last January, the Miami conference is where you want to be! JatrophaWorld is the MUST attend event if you are serious with Jatropha venture, register with you team now!

#### You will network with

Current & Potential Biofuels Producers 

 Regional Plantation Owners / Investors

 Oilseed processing industry players 

 Institutional Investors
 Financiers and venture capitalist, project and finance managers
 Commodity Provers and Applicate - Propusable Energy

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