

***PROGRESS OF EM ACTIVITIES
IN LATIN AMERICA***

EM FESTA, 2001

**PROFESSOR OF EARTH UNIVERSITY,
PANFILO TABORA**

Dr. Higa's Latin American Route



EM activities in South America started from Brazil followed by Costa Rica, Ecuador, Colombia and Argentine.

Why Functional Biodiversity?

- **Geography and ecology:** the Amazonias, the Pantanal Wetlands, the Andes Highlands, the Caribbean Basin, the Central America Isthmus Confluence are home to biodiversity.
- **Culture and politics:** African, European, Asian and native Indian origins of its population in a constant mix and clash.
- **International focus:** loss and conflicts generated by the region's wealth of biodiversity.

EARTH UNIVERSITY is promoting EM Technology to Guatemala, Honduras, Paraguai and Bolivia, hoping to complete within a few years time.

EM and a Biodiversity Philosophy

- **Mix of organisms within the same space**
- **Co-existence and co-prosperity**
- **Synergy: a culture of mutual support**
- **Sustainability: a community of organisms
in constant interchange and recycling**

EM Technology in Costa Rica

- EM applied in many farm buildings
- Preparation of Bokashi
- EM in drinking water for animals
- EM in ponds and waste water systems
- EM in organic crop production
- EM in transitional banana production
- EM in solid waste management
- EM in organic shrimp and tilapia production

EM in Latin America

- EARTH with EMRO



*:In the process of being established

Graduates of EARTH UNIVERSITY are promoting EM Technology at their home countries.



1st Nature Farming Convention in 2001. We have accumulated sufficient experience of EM Technology and would like to share our experiences with all the South American countries.



This convention was originally planned for domestic one but we received participants from 7 countries.



They are converting kitchen garbage to fertilizers.



Our 1 L and 1 Gallon EM.



They are converting banana waste to Bokashi. Mr.Shintani is at the center.



We succeeded in growing banana organically. Black Sigatoka Disease was overcome.



He is showing a banana leaf affected by Black Sigatoka Disease. Other leaf, grown by EM, is less affected.



Under the direct sunshine banana leaves grown by chemical farming become dark in 3 hours but leaves of EM banana still appear greenish.



High quality organic banana.



Students produced machinery for Bokashi production.



EARTH UNIVERSITY



A photo from Brazil discussing among a professor and students on earth worms. Earth worms become more active if EM is in the soil.



Seminar on organic banana by EM.



Seminar in Phillipines on organic banana production.

EARTH As EM Center

- **Research and community projects by graduating students and professors**
- **Seminars and Training Programs by EARTH's Continuing Education Program**
- **Visits and Demonstrations by major companies and projects**
- **Consultancies rendered by the professors**
- **Entrepreneurial projects by graduates**

Prospects for the Future

- Production of EM in at least 7 Latin American countries by 2002.
- Regular use of EM in the major crops such as bananas, coffee, cacao, pineapple.
- EM Philosophy as a promoter of goodwill and better understanding amongst the diversity of peoples

THANK YOU

JAMOF SDN BHD