INTERNATIONAL WORKSHOP ON SOLITARY BEES AND THEIR ROLE IN POLLINATION

26 – 29 April, 2004 – Ceará - Brazil

WORKSHOP PROGRAMME

	Fortaleza, 26-29 April 2004	
	International Workshop on Solitary Bees and their Role in Pollination	
		26 April
	SESSION 1 – The Pollinator Initiatives	
	8:00	Conservation and management of pollinators for sustainable agriculture - the international response **FAO**
	8:30	The International Pollinators Initiative **Bráulio Dias (Brazilian Ministry of Environment)**
	9:00	The Brazilian Pollinators Initiative. **Vera Lúcia Imperatriz-Fonseca (Brazil)**
	9:30	The North American Pollinators Initiative **Laurie Adams & Stephen Buchmann (USA)**
	10:00	Coffee break
	10:15	The European Pollinators Initiative **Simon Potts (UK)**
	10:45	The African Pollinators Initiative **Barbara Gemmil (Kenya)**
	11:15	The Asian Pollinators Initiative **Uma Partap (Nepal)**
	11:45	**Official Opening Ceremony**
	12:15	Lunch
	SESSION 2 – Population Dynamics and Economic Valuation of Pollination Services	
	14:00	Monitoring pollinating solitary bees. **Fernando Silveira (Brazil)**
	14:30	Population dynamics and genetics of solitary bees: some European case studies. **Robert Paxton (UK)**
	15:00	Conserving, monitoring, and protecting diverse solitary bees in human-altered environments. **Gordon Frankie (USA)**
	15:30	Coffee break
	15:45	Poster session
	16:45	Bees, crops and pollination in an agro-natural landscape in California **Claire Kremen (USA)**
	17:15	Economic valuation of bee pollination services: implications for farm management and policy **Adam Drucker (UK)**
	17:45	Bumble bees as pollinators of greenhouse crops. **Hayo H.W.Velthuis & Adriaan van Doorn (Netherland)**
	18:15	End of session

		27 April
	SESSION 3 – Rearing and Managing Solitary Bees for Pollination	
	8:00	Long-term studies of solitary bees: what the euglossines are telling us. **David Roubik (USA)**
	8:30	The life cicle of *Osmia lignaria*: implications for rearing populations. **Jordi Bosch (Spain)**
	9:00	Rearing and using *Osmia* bees for crop pollination: an help from a molecular approach. **Antonio Felicioli (Italy)**
	9:30	The biology of the solitary mason bee *Osmia rufa* (a film) **Chris O'Toole (UK)**
	10:00	Ambivalent feelings over *Megachile* **Antony Raw (Brazil)**
	10:30	Coffee break
	10:45	*Centris* bees as pollinators of tropical crops: the cases of cashew and West Indian cherry. **Breno Freitas (Brazil)**
	11:15	Aspects of Centridine biology (*Centris* spp.) important for pollination, and use of *Xylocopa* spp. as greenhouse pollinators of tomatoes and other crops. **Stephen Buchmann (USA)**
	11:45	On promoting *Xylocopa* species for use as agricultural pollinators **Katja Hangedoorn (Australia)**
	12:15	Lunch
	SESSION 4 – Wild Plant Pollination Systems and Potential Pollinator Species	
	14:00	Are oligolectic bees always effective pollinators? **Clemens Schlindwein (Brazil)**
	14:30	Palinology applied to identification of pollen sources for solitary bees: the case of Megachilidae bees in Quintana Roo, Mexico **Rogel Villanueva (Mexico)**
	15:00	The importance of solitary bees on the pollination biology of two climax timber trees at the Tapajós National Forest, Pará State, Brazil. **Márcia Maués (Brazil)**
	15:30	Coffee break
	15:45	Poster Session
	16:45	Ricochet pollination in Cassias – and how solitary bees explain enantiostyly **Christian Westerkamp (Germany)**
	17:15	Oil collecting-bees and related plants: a review of the studies in the last twenty years and case studies of plants occurring in NE Brazil. **Isabel Cristina Machado (Brazil)**
	17:45	The Brazilian solitary bee species caught in trap nests: a review. **Isabel Alves dos Santos (Brazil)**
	18:15	End of session

	SESSION 5 – Breakout groups	
		28 April
	8:30	Group 1 – Solitary bees in the pollinator initiatives Group 2 – How to conserve and evaluate economically solitary bee pollination service Group 3 – Solitary bees used for pollination: the way ahead
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	12:30	Lunch
	14:00	Group 1 – Monitoring and population dynamics of solitary bees Group 2 – Wild plant pollination systems involving solitary bees and their interdependence Group 3 – Constrains in rearing and managing other solitary bees species for large scale pollination
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	17:45	End of session
	SESSION 6 – Breakout groups	
		29 April
	8:30	Final discussions
	10:30	Coffee break
	10:45	Prepare report for plenary presentation
	12:15	Lunch
	14:00	Group presentations
	15:45	Coffee break
	16:00	Group presentations
	17:45	End of the workshop