



International Centre for Science and High Technology
United Nations Industrial Development Organization

I N C A P E



Instituto de Investigaciones en Catálisis y Petroquímica
UNL-CONICET

Agenda

Workshop on

“Biofuels, Chemicals and Polymers from Bio-resources”

Santa Fe, Argentina
28-30 October 2008

Organized by

ICS-UNIDO

in collaboration with the

Instituto de Investigaciones en Catálisis y Petroquímica (INCAPE)

CHM/08/02-1/03

ICS-UNIDO is supported by the Italian Ministry of Foreign Affairs

Tuesday 28 October

8:30-9:00 Registration

Introductory Session

9:00-9:20 Welcome Addresses and Greetings (Representatives of INCAPE, UNL, UNIDO Field Office Uruguay, and ICS-UNIDO)

Session One: International and national programmes and initiatives on biofuels and bio-based products

9:20-9:40 ICS Programmes in the Field of Renewable Feedstock Exploitation (Stanislav Miertus, ICS-UNIDO)

9:40-10:00 Osvaldo Bakovich, Secretariat of Energy, Ministry of Economy, Argentina

10:00-10:20 Biofuels Potential for Argentina, National Biofuels Programme, (Miguel Almada, National Biofuels Programme Secretariat for Agriculture, Livestock, Fisheries and Food, Ministry of Economy and Production)

10:20-10:40 Opportunities for EU-Latin America cooperation inside EC programmes, with focus on the use of bio-resource (Gabriele Centi, ICS-UNIDO National Consultant & University of Messina, Italy)

10:40-11:00 Coffee break

Session Two: Technological challenges of biofuel production

11:00-11:20 New Technologies to Biodiesel Production (Donato Aranda, Universidad Federal de Río de Janeiro, Brasil)

11:20-11:40 Bioethanol production in Argentina (Gerónimo J. Cárdenas, Estación Experimental Agroindustrial Obispo Colombres, Tucumán, Argentina)

11:40-12:00 Bioethanol fuel in México: state of art and potential use of lignocellulosic biomass (Jorge Aburto, Instituto Mexicano del Petróleo, México DF)

12:00-12:20 Technologies for Production of Biodiesel with Focus on Green Catalytic Techniques (K.Y. Cheah, MPOB, Malaysia)

12:20-12:40 Analía Acosta, Repsol-YPF, Argentina

12:40-14:40 Lunch

Session Three: Next generation biofuels

14:40-15:00 Biofuel Prospects of the Americas (George Philippidis, Applied Research Center, Florida International University, Miami, USA)

- 15:00-15:20 Algae biofuels (Marcelo Gonzalez Machin, Biocombustibles de Chubut, Chubut, Argentina)
- 15:20-15:40 Algae-based biodiesel (Jorge Kaloustian, Oil Fox Co., Argentina)
- 15:40-16:00 Production of Hydrogen by Thermal Conversion of Biomass (F. Trifiro, University of Bologna, Italy).
- 16:00-16:20 Aqueous-phase Reforming Process and Catalytic Hydrogen Production from Biomass (Paolo Fornasiero, University of Trieste, Italy).

16:20-16:40 Coffee break

Session Four: Biorefineries and bio-based chemicals and polymers

- 16:40-17:00 BTL: the green refinery (Eduardo Falabella, Petrobrás, Río de Janeiro, Brasil)
- 17:00-17:20 Design of new (solid) catalysts for the selective synthesis of bio-based chemicals (Joel Barrault, University of Poitiers, France)
- 17:20-17:40 Novel catalytic processes for the conversion of bio-resources to valuable chemicals (Carlos Apesteguía, INCAPE, Santa Fe, Argentina)
- 17:40-18:00 The role of catalysis for the valorization of bio-resources (Gabriele Centi, ICS-UNIDO National Consultant & University of Messina, Italy)

Wednesday 29 October

Session Five: Sustainability aspects

- 9:00-9:20 Biogas: Fuel for sustainability, Eduardo Groppelli, Universidad Nacional del Litoral, Santa Fe, Argentina.
- 9:20-9:40 Francisca Mueller-Langer, IEE, Leipzig, Germany
- 9:40-10:00 Decision Support Tools for Assessment of Biofuels and Biofuel Production Technologies (Sergei Zinoviev, ICS-UNIDO)

Session Six: Case Studies and Country Reports

- 10:00-10:20 Experience of Malaysia in industrial biofuels and promotion of related programmes (Cheah K.Y., MPOB, Malaysia)
- 10:20-10:50 **Argentina:** Carlos Querini, Universidad Nacional del Litoral, Santa Fe, Argentina.
- 10:50-11:10 Coffee break**
- 11:10-11:40 **Brasil:** Luiz Ramos, Universidad Federal de Paraná, Curitiba, Brasil
- 11:40-12:10 **Chile:** Alex Berg, Director de UDT, Concepción, Chile

12:10-12:40 **Colombia:** Consuelo Montes, Universidad de Antioquia, Medellín, Colombia

12:40-14:40 Lunch

14:40-15:10 **Costa Rica:** José Mata Segrega, Escuela de Química, Universidad de Costa Rica, Costa Rica

15:10-15:40 **México:** Tomás Viveros García, Universidad Nacional Autónoma de México, México D.F.

15:40-16:10 **Uruguay:** Juan Bussi, Universidad de la República, Montevideo

16:10-16:40 **Venezuela:** Mireya Goldwasser, Universidad Central de Venezuela, Caracas

16:40-17:00 Coffee break

Session Seven: Working Groups / preparation of follow up proposals

17:00-18:00 Discussion (part 1)

Thursday 30 October

9:00-12:00 Discussion (part 2)

12:00-14:00 Lunch

14:00-15:00 Recommendations and Conclusions of the Workshop