

Argentina Biogas Update of the Global Methane Initiative (GMI) Tri- Subcommittee Meeting, Florianópolis Brazil

14 March 2014

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Argentina Biogas Update

- Number of projects
 - Four companies consolidate in the biogas sector
 - Four new big projects during the last year
- Still very difficult to compete with fossil fuel very high subsidies
- Regulatory Update
 - Mandatory laws still in place but not followed
 - New law under treatment in the parliament creates a private sector mandate
- Two NAMAS under construction on biogás
 - Pig manure treatment in small farms
 - Biogas production and use (PROBIOMASA)
- New program PROBIOMASA

Insert your logo(s) here

Biogas Project Outlook

- Challenges to emission reduction projects in Argentina:
 - Very low energy prices
 - No viable carbon market
 - Unclear regulatory framework on effluent final disposal or farm application
 - Non-rationalized energy prices

Insert your logo(s) here

Biogas Project Outlook (2)

- Opportunities that may lead to overcoming challenges
 - New Legislation and regulation
 - Very high import bill on conventional sources
 - High risk of energy shortages
 - Higher risk of energy cuts
 - Energy pricing reform cutting subsidies
 - Capacity building
 - Technology transfer available plenty of German firms interested since their domestic market is mature and slowing rate of construction.
 - Training and workshops in the last years produced a good number of trained professionals.

Insert your logo(s) here

Agriculture Sector Methane Action Plan

- Status of Agriculture, MSW, or WW Sector Methane Action Plan development
 - Talks but little progress on a national plan
 - Inclusión in sector 8 national mitigation plan sec. of environment
 - Increasing concerns at provincial level
- New surveys with GIS support regarding the cuantifiación & distribution of ag sector residues.
- Several failures on plastig bags digestors were recorded
- New codigestion plants high tech over (1 MW)
- New resource assesment studies done at provincial level (Salta & Tucuman)

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Agriculture country updates

ARGENTINA

March 2014

Florianopolis

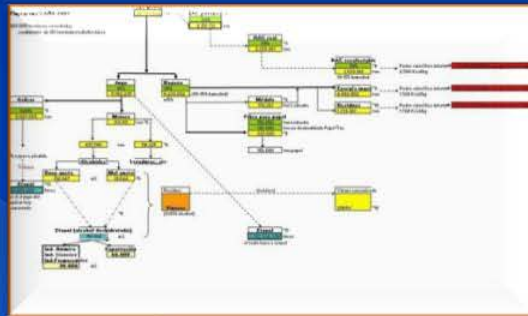
Jorge Hilbert
Agriculture Subcommittee Co-chair

METHODOLOGY

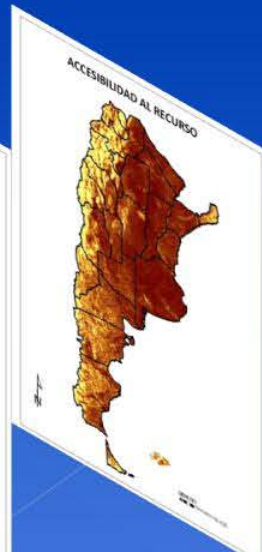
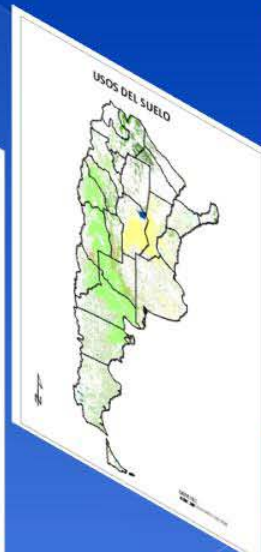
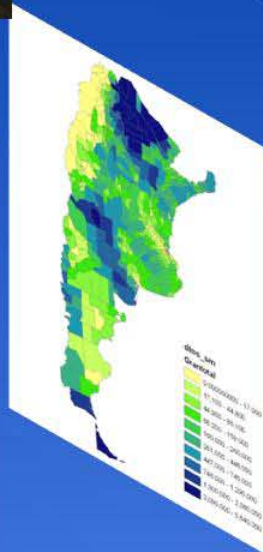
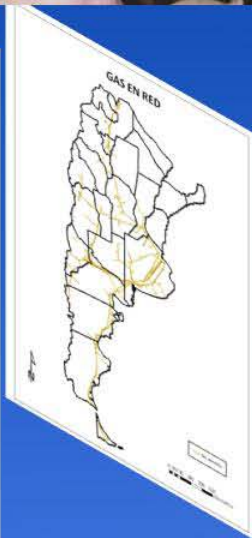
IDENTIFICATION OF MATERIAL SUITABLE FOR AD



SPECIFIC STUDIES OVER AGRICULTURAL AND AGROINDUSTRY CHAINS



SPACIAL DISTRIBUTION OF INFORMATION GIS



Pilot plant INTA Rafaela Experimental Station Dairy Santa Fe

- **Digester development:**

Dairy farm loaded, problems with crust and lack of mixing device.



day 10

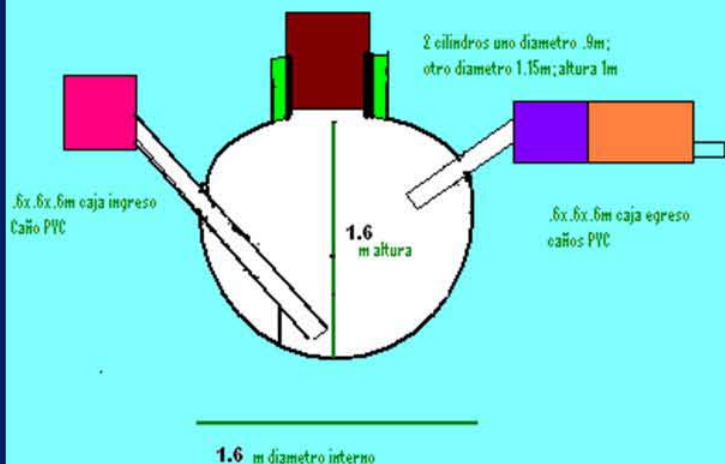


day 30

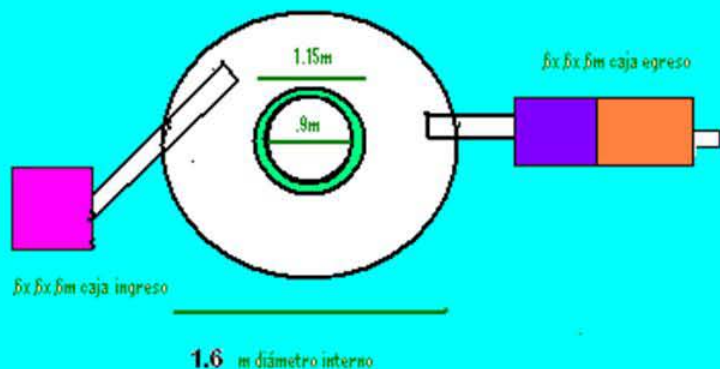
OUT OF SERVICE DUE TO MIXING PROBLEMS AND BAG FAILURE

LOCAL MODELS EXP STATION RECONQUISTA

Biodigestor, esquema seccion transversal. (1.9 m³)



Biodigestor vista en planta (1.9 m³)



Low cost alternatives Exp Station LAS BREÑAS Chaco



OUT OF SERVICE DUE TO MIXING PROBLEMS AND BAG FAILURE

University of Mendoza CIM & INTA
new demonstrative plant of biogas for agroindustrial residues
2001

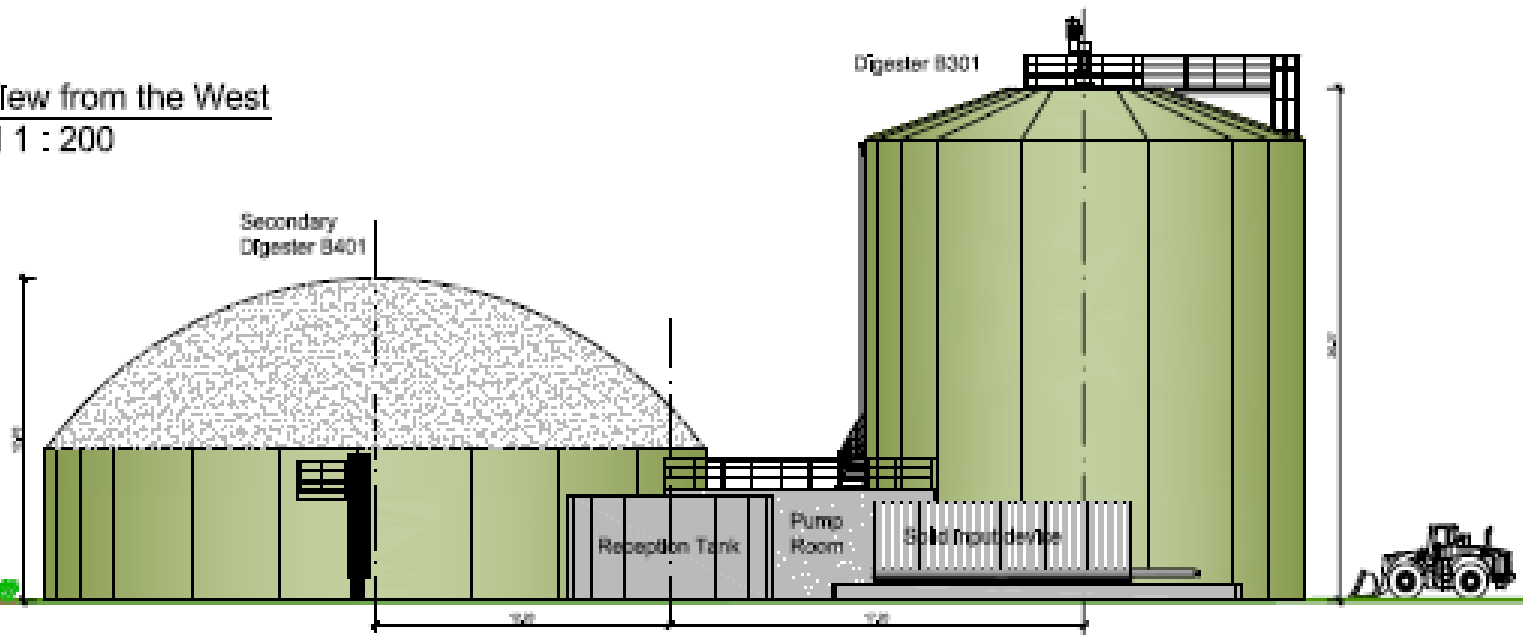


Residue management and electricity generation

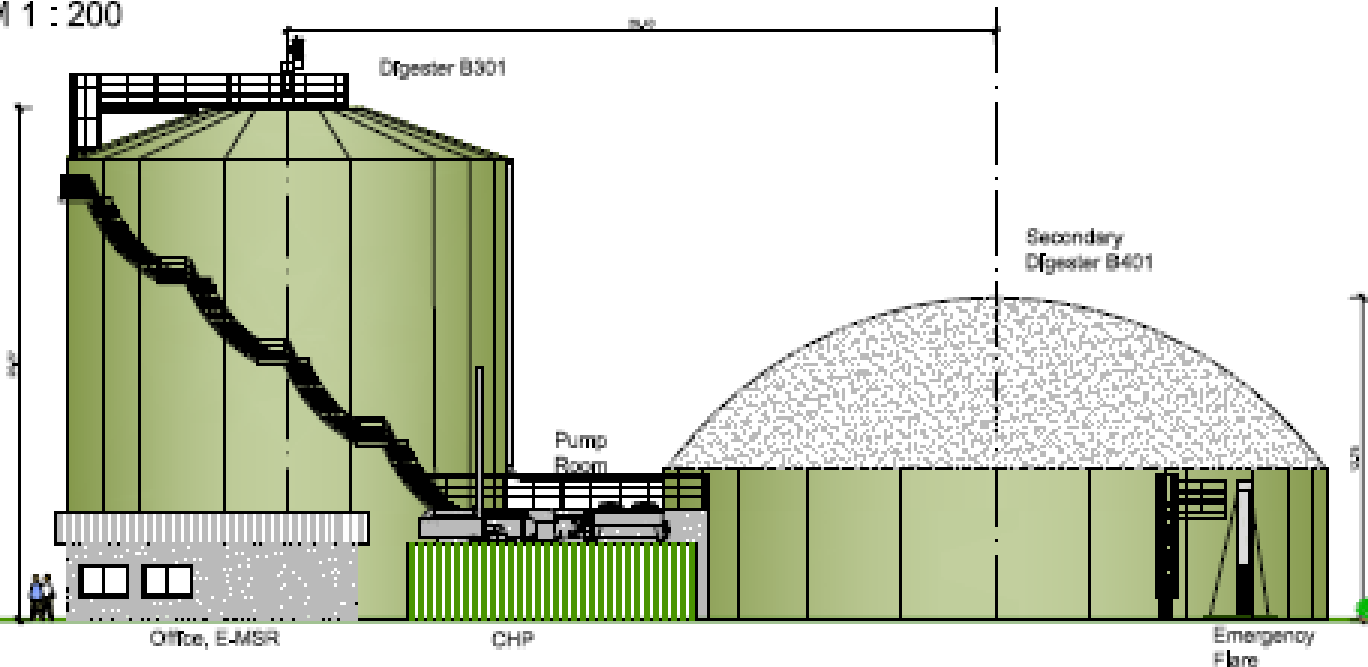
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View from the West
M 1 : 200



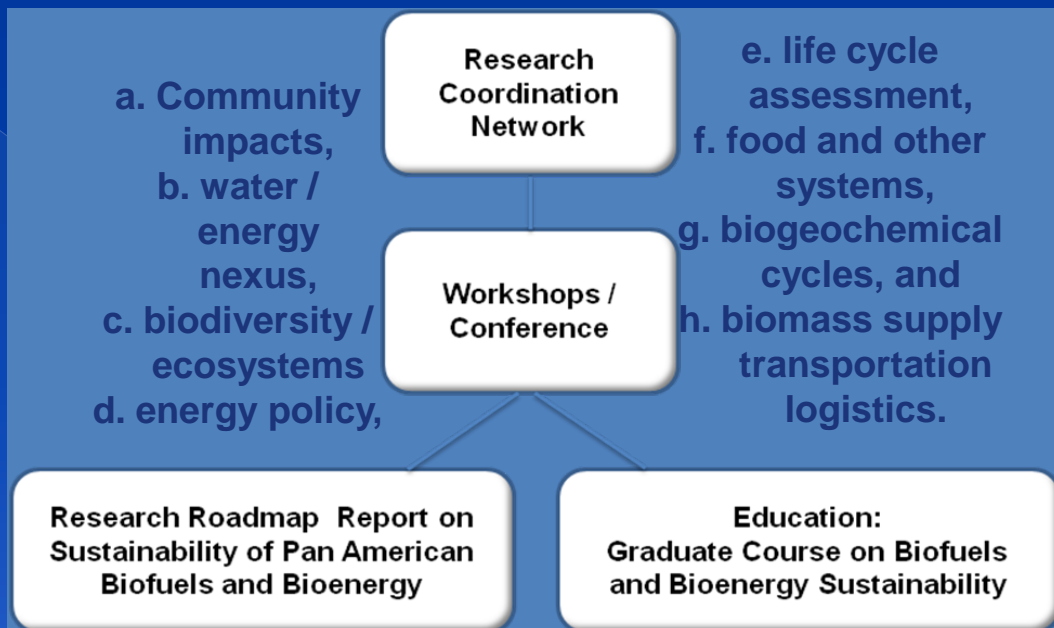
View from the East
M 1 : 200



 Biogas Plants Ingeniería y Construcción Obras de Infraestructura Soluciones y Mantenimiento Industrial		Bariloche, Chile 4100000 56 9 9500 9000 56 9 9500 9000
Project 2029 Biogas Plant Argentina		No. 10 2029-0-7 DC 2029 AB 1301 04
Subject Elevation Drawing		Date: 2024.02.20 Scale: 1:200 Project: 2029-0-7
<small> This drawing is the property of the company and its use is restricted to the project for which it was prepared. It is not to be used for any other purpose without the express written consent of the company. </small>		

Pan American Biofuels and Bioenergy Sustainability Research Coordination Network (RCN)

WORLD CONFERENCE RECIFE PERNAMBUCO 23 AL 25 JULY 2014



<http://www.aiche.org/panamrcn/events/rcn-conference-on-pan-american-biofuels-and-bioenergy-sustainability>

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