

Towards a Latin American and Caribbean Knowledge Based Bio-economy in Partnership with Europe (ALCUE - KBBE)

Expert Meeting: Strengthening Networking on Biomass Research and Biowaste Conversion – Biotechnology for Europe-India Integration

10 May 2012
Bruges, BELGIUM

Ivan Ingelbrecht, Ghent University, Belgium (ivan.ingelbrecht@ugent.be)
Guy Henry, CIRAD, Colombia



Outline

- Strengthen European cooperation with key world actors in Bio-economy areas
- ALCUE-KBBE in brief
- Matrix of synergies: ALCUE-KBBE and SAHYOG
- Progress on inventories

Projects aim at strengthening European cooperation with key world actors in Bio-economy areas: LAC and India

Project Acronym and Reference	SAHYOG (289615)	ALCUE-KBBE (264266)
Project Title	Strengthening networking on BiomAss research and biowaste conversion biotechnology for Europe India integration	Towards a Latin America and Caribbean Knowledge Based Bio-Economy in Partnership with Europe
Starting Date	2011-12-01	2011-06-01
Duration	36 months	30 months
Consortium	12	12

ALCUE-KBBE: main activities

- ❖ **Benchmarking of EU, LAC and other countries bioeconomy experiences:**
Constitution of a database of experiences, resources, policies, actors.
- ❖ **Identification of key actors to set-up a LAC-EU platform** bringing together bioeconomy stakeholders from the civil society and the private and public sector in order to generate relevant information.
- ❖ **Analysis of LAC bioeconomy** opportunities and limitations to identify policy and R&D needs.
- ❖ Organization of **e-consultation and workshops** with multi- stakeholders to discuss and **propose bioeconomy policy roadmaps, scenarios for bioeconomy development in LAC and R&D collaboration agenda for specific topics**
- ❖ **Participation in international summits (SOM)**
- ❖ **Mainstreaming Bioeconomy concept in LAC** via electronic communication instrument.

ALCUE-KBBE Consortium

- **CIRAD, France**
- **CEO, Argentina**
- **UGent, Belgium**
- **IBET, Portugal**
- **CINVESTAV, Mexico**
- **WUR, The Netherlands**
- **MINCYT, Argentina**
- **EMBRAPA, Brazil**
- **JULICH, Germany**
- **PUJ, Colombia**
- **CIAT, Colombia**
- **IICA, Uruguay**

12 partners: 5 EU + 7 LAC

Coordinator: Guy Henry, CIRAD (based at CIAT, Colombia)

Project Goal & Objectives

Main Goal

To construct the basis for a **strategic alliance between the EU and LAC regions**, to facilitate collaboration and coordination of **research and innovation in the area of the Bioeconomy**.

General Objective

To establish a **ALC-UE platform** with relevant stakeholders to generate pertinent information for the design and implementation of R&D agenda and policy guidelines.

SPECIFIC OBJECTIVES

To generate relevant information to Bio-economy related issues in LAC

State of the art of bioeconomy in EU and LAC

To help establish a strategic reflection and analysis on Bio-economy opportunities and limitations in LAC

Scenarios for bioeconomy development in LAC

To insert Bio-economy concept and themes in LAC policy agendas

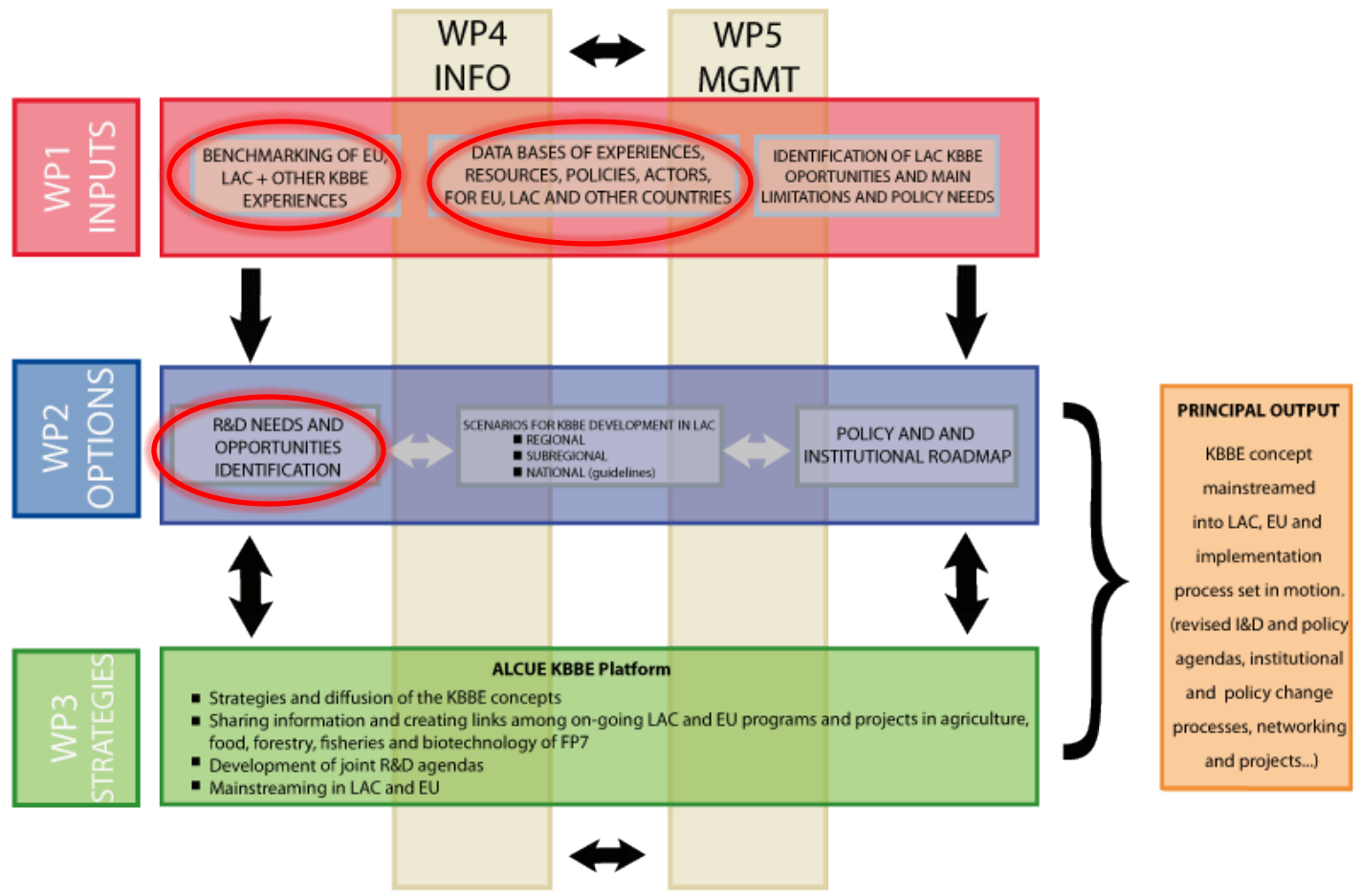
To simulate Bio-economy related R&D LAC-EU cooperation

Bioeconomy Strategy and ALCUE Platform

Project Principal Outputs

- ❖ Bioeconomy concepts mainstreamed in the LAC region
- ❖ Bioeconomy policy roadmaps, development scenarios & policy and R&D agendas
- ❖ Bi-regional RDT project ideas and profiles (on open FP7, Horizon 2020 calls)
- ❖ Some successful consortia constructions and investments in common priority RDT themes
- ❖ ALCUE bioeconomy S&T cooperation agenda

Project Structure



WP 1: Inputs (lead: CEO + JULICH)

Main Goal

To review the state of the arts and to collect information from existing experiences in the EU and LAC, to set the stage for the discussion and introduction into the LAC agendas of KBBE concepts

Tasks

- 1 – Stripe review of available LAC KBBE related documentation
- 2 – **Inventory of actors, laboratories, start-ups and major R&D projects related to the KBBE development in the EU (going beyond the 2005-10 KBBE review)**
- 3 – **Inventory of actors, labs and major R&D projects related to the KBBE development in LAC.**
- 4 – SWOT analysis of the LAC natural resources as basis for KBBE developments.
- 5 – SWOT analysis on the policy, regulatory and institutional capacities.
- 6 – SWOT analysis of the technical and innovation KBBE like capacities.
- 7 – *Ex-ante assessment of the potential socioeconomic and environmental impacts of KBBE developments in LAC.*

WP 2: KBBE scenarios and agenda construction (lead: IBET, IICA)

Main Goal

Strategic reflection on KBBE related aspects in LAC incorporating all the relevant stakeholders of the region, to start building consensual implementation strategies and agendas

Tasks

T2.1: Workshop 1: KBBE state of the arts and lessons learnt (June 2012)

Multi-stakeholders – public, private, national, regional, R&D, industry, consumers, producer organizations, EU&LAC – workshop to review existing experiences and synthesize main implications in terms of policy, R&D and institutional development needs.

This WS is preceded by a E-consultation (April/May 2012) among Kbbe international stakeholders, to share and discuss various experiences around the world and to obtain first elements on the lessons learnt as input for the workshop (June 2012).

WP 3: ALCUE KBBE cooperation platform (lead: UGent, CIAT)

Tasks

1. Biregional workshop in LAC in key technological areas
2. Biregional workshop in EU on state of the art & identification of topics for joint project development
3. Building a ALCUE-KBBE cooperation agenda

WP 4: Information management & communication (lead: CIRAD, IICA)

Tasks

1. Develop communication strategy
2. Develop intranet & website
3. Database management
4. & 5 & 6. Newsletter & project publications & support for meetings

WP 5: Project Mgt & Coordination

Matrix of Synergies

Key point	SAHYOG	ALCUE KBBE
General Objective	To establish a partnering initiative to coordinate research activities in Europe and India on biomass production and bio-waste conversion through biotechnological approaches.	To construct the basis for a strategic alliance between the EU and LAC regions, to facilitate collaboration and coordination of research and innovation in the area of the Bioeconomy.
Sub area coverage	<ul style="list-style-type: none"> -Biomaterial and bioenergy production -Biowaste conversion -Biotechnology 	<ul style="list-style-type: none"> -Biotechnology -Biodiversity -Bioenergy -Ecological Intensification - Value Chain Efficiency
Targeted Audience	<ul style="list-style-type: none"> Scientist Policy Makers Private sector Civil Society Producer organizations 	<ul style="list-style-type: none"> Scientist Policy Makers Private sector Civil Society Producer organizations

Matrix of Synergies

Key point	SAHYOG	ALCUE KBBE
Expected Output	<ul style="list-style-type: none"> - Inventories of Biomass and Biowaste and related research projects in EU and India - Organisation of stakeholder workshops to ensure widespread communication of project activities and results. - Elaboration of a Strategic Research Agenda (SRA) to facilitate concerted planning of future EU-India research initiatives in the area of biomass and biowaste.. 	<ul style="list-style-type: none"> - Inventory of actors, laboratories, start-ups and major R&D projects related to the KBBE development in the EU - Multi-stakeholders workshop to review existing experiences and synthesize main implications in terms of policy, R&D and institutional development needs. - To propose bioeconomy policy roadmaps, scenarios for bioeconomy development in LAC and R&D collaboration on specific topics. - Identifying areas for potential implementation by FP7 and Horizon 2020.
Influences	<ul style="list-style-type: none"> - Contribution to EU-India research cooperation strategy in the area of biomass production and biowaste conversion via biotechnologies. 	<ul style="list-style-type: none"> - Contribution to EU-LAC research cooperation strategy in the area of Biotechnology, Biodiversity, Bioenergy, Ecological Intensification, Value Chain Efficiency - Contribution to future FP7 and H2020 Kbbe call redaction

Progress on inventories

- ❖ Within ALCUE-KBBE, different approaches/viewpoints on organization of inventories between LAC and EU:
 - EU: more value chain based: feedstock – conversion – processing/waste mgt
 - LAC; more 'disciplinary' based

Cf. T1.2 ALCUE KBBE Project:

Inventory of actors, laboratories, start-ups and major R&D projects related to the KBBE development in the EU (going beyond the 2005-10 KBBE review) + LAC

- ❖ Meeting Antwerp, Belgium (Feb 2012)
 - Areas of potential synergies between ALCUE-KBBE and SAHYOG proposed, including inventories: ALCUE-KBBE focus on actors, labs & projects while SAGYOG on biomass
- ❖ Meeting Copenhagen, Denmark (March 2012)
 - Agreed to start working on common format between ALCUE-KBBE and SAHYOG, taking the FP7 Star-Colibri project database as the reference point
 - Within ALCUE-KBBE also agreed to adopt/adapt this approach for both LAC (T1.2) and EU inventories (T1.3)