

Mission Report

Program: Closed Looped Cycle Production in the Americas

Mission Team: Andrea Herrera (Program Officer)

Tuxtla Gutierrez, Chiapa-Mexico

May 8-9, 2014

1. GOAL OF PROGRAM

To contribute to nations in the Americas' capacity to promote and facilitate the adoption and implementation of Closed Looped Cycle Production design and manufacturing methods as one means of promoting sustainable development.

2. SPECIFIC OBJECTIVES

Increased awareness and buy-in on the part of stakeholders in Panama, of the relevance and viability of innovative Closed Loop Cycle Production methods and certification as means for energy efficient and sustainable production in companies with focus on small and medium sized enterprises.

3. OBJECTIVE OF MISSION

- (a) Present the research *Building Design Based on the Cradle to Cradle principles* at the III Seminar on Innovation, Science and Technology for the Energy Efficient Development: Green Sustainable Buildings;
- (b) Create awareness of the CLCP in the Americas Program among the participants of the seminar; and
- (c) Explore the opportunities with the OAS representative in Mexico for future collaborations in this country.

4. MISSION RELEVANT EVENTS

Thursday - May 8th, 2014

(a) Exchange of information with the OAS Representative Ambassador Aníbal E. Quiñónez Abarca

- Andrea Herrera (AH) gave a short description of the CLCP in the Americas Program and the current projects in Panama, Colombia, and Trinidad and Tobago to the Ambassador Anibal Quiñónez. The Ambassador highlighted the following two points as possible opportunities for development of a project in Mexico:



(1) Analyze the potential to work on a Label based on the principles of Cradle to Cradle and CLCP principles, in a similar way to the project in the Republic of Panama with the Panama Green Label.

(2) Present the Program to the Senate of Mexico and explore with them the options to implement a CLCP project in Mexico.

(b) Presentation of the research “Building Design based on the Cradle to Cradle principles to generate a positive environmental impact”

Andrea Herrera (AH) gave a presentation of her research carried out in 2013 as her master thesis at the University of Twente, The Netherlands. AH explained the concept of C2C and the differences with the current models of sustainable design for buildings. She presented a support model to apply the principles of C2C during the process of designing and evaluating the sustainable features of buildings. At the end a comparison of the progress that a country as The Netherlands has had and the implementation of C2C in Latin American and Caribbean countries was provided, and led to explaining more about the CLCP in the Americas Program and projects currently being implemented in participating countries. Please find the slides used at the presentation in Annex I.

Friday - May 9th, 2014

(a) Exchange of information with Baltazar Ojea (BO), Program Director of the Social Responsibility and Volunteering University Program at Universidad Tecnológica Nacional

Baltazar Ojea (BO), Program Director for University Social Responsibility and University Volunteering, expressed his interest in the CLCP in the Americas Program and offered to share contact details within the university that could be interested in the program. BO presented the project ***Sustainability in the households to save energy*** that the university is currently carrying out with Virginia Tech. BO asked for the possibility to provide an introduction session (teleconference) on CLCP to some students of the Universidad Tecnológica Nacional.

(b) Exchange of information with Lucas Arango Diaz (LAD), Director of the Master of Bio-climate Science at San Buenaventura University

– Lucas Arango Diaz (LAD), Director of the Master of Science in Bio-climate at San Buenaventura University suggested that the CLCP in the Americas Program should be



placed in contact with and become part of *Ruta N Corporation*. *Ruta N* is an initiative that promotes the development of innovative, technology-based businesses that increase the competitiveness of the city, revitalize the economy, strengthen strategic clusters, and enable better jobs for citizens of Medellin. The program could be promoted from Ruta N Corporation at Medellin and Ruta N facilities could be used for workshops and conferences. Please review the website of Ruta N Corporation at: <http://rutanmedellin.org/>

- Additionally LAD was interested in helping connecting the academia and related programs of Industrial Design and Architecture from Universidad Bolivariana, Universidad Nacional, and Universidad de San Buenaventura to the CLCP in the Americas Program of the OAS.

5. MAIN OUTCOMES OF THE MISSION

- Promoted and created awareness about Closed Looped Cycle Production and C2C during the III Seminar on Innovation, Science and Technology for the Energy Efficient Development: Green Sustainable Buildings through the presentation of Building Design based on the Cradle to Cradle principles by AH.
- Exchange of information and identification of opportunities of the CLCP in the Americas Program in Mexico together with the OAS representative Ambassador Anibal E. Quiñonez Abarca.
- First contact made and info about programs of different representatives of Universities of the participating countries in the seminar was exchanged. Please see section 7. *Contacts*.

6. STEPS FORWARD/ACTIONS

- Share the information of the future opportunities identified for the CLCP in the Americas Program in Mexico and follow up with the OAS Mexico representative Ambassador Anibal E. Quiñonez Abarca.
- Analyze a future alliance with *Ruta N Corporation* in case that the Colombian city of Medellin plays an important role during the implementation of the CLCP Project in Colombia.
- Contact the Director of the MSc Bio-climate from San Buenaventura University in case that the CLCP in the Americas Program requires the involvement of local the local Universities of Medellin.
- Contact the Director of the Social Responsibility and Volunteering University Program at Universidad Tecnológica Nacional of Argentina if seeking opportunities to implement a project in this country.



Closed Looped
Cycle Production
in the Americas

7. CONTACT

For more information please contact:

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