A bottom up educational project in Cameroon

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2011: SEPARATE COLLECTION IN PADOVA

2011: 43%

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ImmaginAFRICA
developed by the University of Padova
www.imaginafrica.storia.unipd.it

**MAIN AIM**
to promote the integration of African people in Padova also by encouraging the knowledge of the African culture through different paths (cinema, dance, craft, art, literature)

**ANNUAL ACTIVITIES:**
- movies on Africa or of African production
- exhibitions and seminars on different topics (African arts; crafts from the recycle of the solid waste; etc.)
- African party with different African foods
- actions on the home territory
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AFRICA AND ITS DERIVATIVES

MAIN AIM
**educational project:** to develop awareness on separate collection between African people in order to improve the separate collection in Padova

SECOND AIM
to promote the integration of immigrants through the care of the community

**PARTNERS:** UNIVERSITY OF PADOVA (DII, DISSGEA, IMMAGINAFRICA) & APS COMPANY

**I step**
training for 10 immigrants living in Padova of 10 different African Countries: what is separate collection, how and why to separate wastes

**II step**
travel back to Africa to register the waste management situation in the home countries
- to gain a better comprehension of the objectives of the separate collection through the comparison with the situation in Africa
- to give an impulse at the local awareness on waste management through the dissemination of information at local level
- to boost work opportunities with the implementation of local projects (informal sector, to organize recycling of the reusable waste, to compost domestic organic waste, to create crafts from waste)

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AFRICA AND ITS DERIVATIVES

FUNDS
- call of the Italian Ministry of the Internal Affairs
- ROTARY CLUB PADOVA

4 African countries

- CAMEROON
- IVORY COAST
- DEM. REP. CONGO
- NIGERIA

Mituku Ngama Maole (Lumière) in Democratic Republic of Congo

Magloire Mbouna (Justin) in Cameroun

Therese Bredou Yah in Ivory Coast

Mattew Ogarakwu in Nigeria
LOCAL PROGRAMME

different questionnaires to be addressed to
technicians, operating people, associations
data on waste management (company, separate collection, treatment, efficiency)
citizens by street interview
perception of waste (definition of waste) knowledge of waste problematic reutilisation of waste (bottle of plastics, crafts)

① To present a glance to the legislation on environmental topics
② to identify the authorities in charge of the waste management (local and national level)
③ to contact official waste management companies to obtain data on solid waste production and collection
④ to collect information on the informal sector (organisations, informally collected waste, which market is available)
⑤ to visit waste treatment plants
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AFRICA AND ITS DERIVATIVES

BACK TO PADOVA
elaboration of collected data

① combining collected data on waste production and quality from the different sources

② listing the problems encountered realized during their time being in the native country

③ Highlighting projects already existing in the informal sector: organisations involved and results

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In the rural area or in town often waste is abandoned in the drainage channel or in public areas, often burned and inadequately collected.
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RESULTS: TREATMENT

Nkolfoulou
Cameroon

Mpasas, DRC
Reception et traitement des ordures au CET de Mpasas

Akouedo-153 ha, Ivory Coast

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RESULTS: INFORMAL SECTOR

WASTE COLLECTION

Door to door collection of raw waste in town (not only slums). Families pay for the collection.

Separate collection of organics, plastics, metals. Valuable economy!!
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RESULTS: INFORMAL SECTOR

TREATMENT

- very simple composting plant

- very simple recycling of plastic bottles and bottle caps that become pipe, floor tiles, etc.

*quality problem using unsorted waste - NO awareness of the health related problems*
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HIGHLIGHTS

- as expected the situation is quite similar in each of the investigated countries
- public operators often are not collaborative and ask for money to give public information
- people is afraid to talk about their attitude related to waste
- central government is not present in the territory (no control, no education, no correct management)
- even if a municipal waste collection with bins is active, often families must take care to transport waste to the central container in the main road
- people must pay often twice to have the waste transported away from home
- the informal sector takes care of most of the recycling activities but the perception of the potentiality of separate collection is quite high even if people is not educated to it
- women are important for the success of any initiative on waste collection and recycle
- project using imported funds are abandoned after the “funded” period
ROLE OF EDUCATION

EDUCATION AT SCHOOL LEVEL - not enough

THE ROLE OF CHURCH (aggregation point) in spreading information

COMMUNICATION BY MEDIA (young generation)

RESPECT OF THE LEGISLATION if present
SECONDARY RESULTS ..... UNEXPECTED!!

The educational project promoted the return of the immigrantes to their homecountries: “waste” job as a concrete option

IMPLEMENTATION: III step
look for fundings to implement the local projects in Africa
RESULTS: LUMIERE (D.R. OF CONGO)

Technical training and separate collection of solid waste as well as composting plant in Mitendi-Democratic Republic of Congo

35 employers

(private funds; project of the University of Padova)
RESULTS: THERESE (IVORY COAST)

Technical training and collection of solid waste at Agnibilekru 45660 inhabitants

45 employers

FUNDS: WALDENSIAN CHURCH

(EBENE; COOPAYEA; Municipality of Agnibilekru; Cooperativa Est; project of the University of Padova)
RESULTS: CAMEROON

Education programmes already in place:
- double degree on Environmental Engineering
- master degree “Solid waste management in African Countries”
- master degree “Water management and sanitation”
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RESULTS: Literary café

cultural container addressed to the population, to raise the awareness on environmental issues

people involved
- JUSTIN Magloire Mbounda
- Simone Pierre Etonga
- 5 employers

partnership

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LITERARY CAFÈ: THE CONTEXT
Literary Càfè: The Project

A place where:
- computer with internet connection can be used
- books and journals on environmental issues are available
- small events on specific environmental topics shall be organized
- waste art exhibition may take place
- there is a bar, restaurant, catering
- after a start up phase, economical autonomy should be given to the structure

architect: Rosalba Giani
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**LITERARY CAFÈ: THE PROJECT**

- Entrance
- Kitchen
- Computer area
- Multifunction area (library, café, projection, exhibition, etc.)
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LITERARY CAFÈ: THE BUILDING

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LOOKING FOR .... CROWDFUNDING

WEB PLATFORM
www.produzionidalbasso.com
PROJECT “LITERARY CAFE’ AT YAOUNDE’ “
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Thank you for participating!!!!