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PROFILE

TROPICAL AND SUB TROPICAL AGRICULTURAL ENGINEER WITH EXPERIENCE IN WASTE MANAGEMENT AND ENVIRONMENT PROTECTION

EXPERIENCE

DESIGN AND TECHNICAL EXPERT, TULKAREM, PALESTINE - 2013-2015

Study and design of an integrated system to treat the Olive Oil Waste Water with compost production, project funded by the EU and implemented by GVC NGO.

CONSULTANT, DESIGN ESTE (PD), ITALY - 2013-2014

Feasibility Study, design and implementation of an Organic Fertiliser compost based facility at SESA S.p.A MBT station. The plant will produce 20,000 t/y of fertiliser tailored for Italian and MENA region market. The SESA plant is the main compost producer in Italy.

CONSULTANT, JDEIDE, LEBANON - 2013-2014

Study for an integrate system for collection, pre-treatment and sale of non organic waste in Syrian Refugees ITS. The activity is within the framework an intervention funded by ECHO and implemented by GVC NGO.

CONSULTANT, SGARTA-JEZZINE, LEBANON - 2013

Assesment on Waste Management needs for new proposal opportunities. OXFAM Italia

CONSULTANT, GARANGO, BURKINA FASO JUNE 2013

Study for peanuts oil production residues recycling in community based press. The study has been funded by Fondazione SIPEC NGO to CeTamb lab from Brescia University.

DESIGN AND TECHNICAL EXPERT, BAC GIANG, VIETNAM - 2012-2013

Project evaluation, Feasibility Study, design, marketing study and start up of a new Sorting and Composting Management Facility to process MSW and Agricultural Waste in Bac Giang province for the project "Environmental protection awareness in the districts of Viet Yen, Yen Dung and Hiep Hoa in Bac Giang province, Vietnam". Implemented by GVC NGO and funded by Italian Government. The plant has been constructed using Bamboo after a research on the most suitable local material.

PROJECT MANAGER, STUDIOAZUE, BAALBEK, LEBANON - 2011 - 2014

Feasibility study, design, works supervision and start up of a biogas production facility using the MSW collected and treated by the Baalbek and Hermel regional waste compound and energetic rehabilitation of the Baalbek Serail building. The two activities are within the framework of the project "Towards clean energy technologies and innovative environmental solutions in Lebanon", (DCI-ENV/210/256-762), funded by EU and implemented by COSV NGO.

CONSULTANT, WASTE MANAGEMENT, COSV (NGO) MARCABELI, ECUADOR - 2012

Final evaluation on the EU funded project for the construction of a sanitary landfill and a sorting and composting facility in the Marcabeli district, serving the municipality of Marcabeli and Balsas. The plant should be able to treat around 400 ton/year.

CONSULTANT, WASTE tTO ENERGY, CARBON CREDITS COSV (NGO) MARCABELI, EQUADOR - 2012

Waste to Energy study and Carbon Credit Evaluation in 7 municipalities of Ecuador, study funded by COSV NGO.

PROJECT MANAGER, STUDIOAZUE, client CIC (Consorzio Italiano Compostatori), LEBANON - 2012

Market research to study the organic fertiliser in Lebanon and in Meddle East in general.

CONSULTANT, WASTE MANAGEMENT, RC ITALIAN NGO. TYRE - LEBANON - 2011

Consultancy on assessment and design a new waste collection and transportation system for the all Tyre region following the directives of the Waste National Plan. During the activity has been activated a workshop to experiment different source sorting system using the participatory approach and Local Agenda 21.

CONSULTANT, WASTE MANAGEMENT, CRIC ITALIAN NGO. BEIT LAHIA - GAZA STRIP - PALESTINE - 2011

Consultancy on assessment, design and construction of a Composting facility using the waste from farmers and local markets. The cover structure of the facility has been designed as a green roof in according the the green building solution suggested by UNHabitat for Gaza Strip.

CONSULTANT, WASTE MANAGEMENT, ITALIAN COOPERATION OFFICE OF THE ITALIAN EMBASSY IN BEIRUT. BAALBEK AND SOUTH - LEBANON - 2010/2011"

- Consultancy on setting up and manage a waste source sorting collection system inside the UNIFIL compounds. The recyclable material collected is transported in different SWMF (Solid Waste Management Facilities) in the area and sold. The experience is the first in a UN DPKO Mission.
- Consultancy on assessment, design and construction of a sanitary landfill serving the Union of Baalbak Municipalities - Beqa Valley.
- Consultancy on capacity building for the Lebanese Ministry of Environment on Integrated Waste Management.
- Consultancy on the Solid Waste Management strategies for the Lebanese Ministry of Environment.

CONSULTANT, WASTE MANAGEMENT, COSV (NGO) MARCABELI, ECUADOR - 2010"

Consultancy on the EIA for the construction of a sanitary landfill and a composting facility in the Marcabeli district, serving the municipality of Marcabeli and Balsas. The plant should be able to treat around 400 ton/year.

PROJECT MANAGER AND WASTE EXPERT, COSV (NGO) BEIRUT, LEBANON - 2007-2010"

Project coordination and technical consultancy on carrying out an Integrate Municipal Solid Waste Management System in 9 municipalities in Southern Lebanon. Under this frameworks has been created a waste data collection scheme, a sorting at source program and 4 Solid Waste Management Facilities for sorting and composting with a total capacity of around 120,000 t/y co-mingled Municipal Solid Waste have been fully rehabilitated. Within a pilot intervention a small scale landfill has been also built.

PROJECT MANAGER AND WASTE EXPERT, COSV (NGO) BEIRUT, LEBANON - 2008-2009"

Additional intervention to supports 34 organic farmers on the production of organic premium quality compost. The fertiliser has been certified by the 2 main organic agriculture bodies in Lebanon has suitable to be used in organic agriculture.

TRAINER, IONIO KEK; CORFU', GREECE - 2007"

Vocational training session on municipal solid waste, waste water treatment and management and production of energy from biomass.

PROJECT MANAGER, ETHIO FISHERY PLC; PADOVA, ITALY AND ADDIS ABEBA, ETHIOPIA – 2006"

Research and preliminary study to establish a Tilapia fish farm production using biomass and green water as main fish fodder. The project was located in Arba MInch (Ethiopia); funded by the Italian-Ethiopian company Ethio fishery P.L.C.

TRAINER, IONIO KEK; CORFU', GREECE. ALPHA VOCATIONAL TRAINING; PYRGOS, GREECE – 2005"

Vocational training session on municipal solid waste, waste water treatment and management and production of energy from biomass.

PROJECT MANAGER, WSL SWISS FEDERAL INSTITUTE FOR FOREST, SNOW AND LANDSCAPE RESEARCH; ZURICH, SWITZERLAND– 2004"

Research on carbon sequestration and growth of Acacia Seyal, one of the main species planted by the "Project Intégrée Keita" (P.I.K.), reforestation project funded by Italian cooperation and implemented by FAO between 1980 and 2003.

TECHNICAL EXPERT, CE.S.I.A./ACCADEMIA DEI GEORGOFILI; KEITA', NIGER –2003 - 2004"

Agricultural data collection and socio economical study for the P.I.K. (Project Intégrée Keita) evaluation and for the activation of the ROOSELT (agrometeorology observatory), in the framework of the P.A.F.A.G.E. project (Projet d'Appui à la Formation et d'Assistance en Gestion de l'Environnement) funded by the Italian Ministry of Foreign Affairs through the Italian Cooperation office and implemented by CE.SI.A/Accademia dei Georgofili

FIELD OFFICER; AGROSPHERE NGO, FLORENCE, ITALY; NAIROBI, KENIA; JAMAAME, SOMALIA - 2001 - 2003"

- Rehabilitation of two main banks of the Juba river in the Southern Somalia, Jamaame region with a component of FFW. Project funded by WFP and FAO.
- Feasibility study about flood prone area protection and the exploitation of the overflow water for irrigation on Deshek depressions. The study was funded by The University of Florence and was subject for a thesis.

FIELD OFFICER; B.E.A. S.A.S. BIO ECOLOGY FOR AGRICULTURE – 1993 - 2000"

Collaboration with B.E.A. s.a.s. consultant and design company for waste and environment. Established in 1973.

Works accomplished:

Waste characterisation analysis: different MSW treatment facilities in Italy

Awareness campaign for source sorting collection and Regional Waste Management Plan in according with the EC directives 156/91/EEC, 689/91/EEC and 62/94 EC:

- Giulianova (TE), 2000
- Lanciano (PE), 1999

Collaborations:

- I.N.E.T.I. institute, Lisbon, Portugal, study for RDF development for electricity production, 1999
- Technical and economical feasibility study for an integrated system for collection, transport and treatment of the municipal solid waste in Santa Cruz de la Sierra (Bolivia), 1998
- Design of an integrated system for source separation, collection and separation of the municipal solid waste of the catchment area CIRSU, Giulianova (TE) Italy, 1997

EDUCATION

PHD STUDENT 2013-2016

University of Brescia CETAMB (Research Centre on Appropriate Technologies on Waste and Sanitation in Developing Countries) research on "Appropriate Methods and Technologies for International Development Co-operation".

MASTER DEGREE

University of Florence – M. Sc. in Tropical and Subtropical Agricultural Engineering, 2003

SKILLS

LANGUAGES

LANGUAGE	READING	WRITING	SPEAKING
ITALIAN (mother tongue)			
ENGLISH	C2*	B2*	B2*
FRENCH	B2	B1	B2
SPANISH	B2	B1	B2
PORTUGUESE	B1	A2	B1
ARABIC	A1**	A1**	A1**

*Upper Intermediate level, certificate issued by the British Council in Beirut - Lebanon

**Upper beginner level, certificate from ALPS International Arabic School - Beirut - Lebanon

ORGANISATIONAL SKILLS

- Participative approach to the planning process
- Adaptability to the different projects contexts
- Project assessment and proposal writing
- Working with the Project Cycle Management
- Ex ante and ex post project evaluation

COMMUNICATION SKILLS:

- Effective in public presentations
- Awareness campaign planning and development

TECHNICAL SKILLS AND COMPETENCES.

- Integrate Waste management planning, development and evaluation
- Feasibility study, EIA (Environmental Impact Assessment, SEA (Strategic Environmental Assessment)
- Conceptual design works supervision and operation start up for MSW (Municipal Solid Waste), Special, Industrial and Hazardous waste sorting, treatment, final disposal facilities and for organic waste aerobic and anaerobic process plants.
- Sustainable agriculture assessment planning and management
- Environmental protection in general focused on Tropical and Subtropical areas

COMPUTER SKILLS

- Editing and data management: Microsoft Office and Iwork
- Media editing: Photoshop, Illustrator, Final Cut.
- Technical drawing; CAD: Archicad. GIS: Arcview (basic)

ARTISTIC SKILLS AND COMPETENCE.

- Photography: history of photography, image management,
- Video composing and editing

DRIVING LICENSE

A,B

FURTHER INFORMATIONS

PUBLICATIONS

- "Compost from A to Z" 2007-2010 COSV and Italian Cooperation
- "Maintenance and Operational Manual for Solid Waste Treatment facility of Bint Jbeil" (Lebanon) 2009, COSV

- “Maintenance and Operational Manual for Solid Waste Treatment facility of Aitaroun” (Lebanon) 2009, COSV
- “Maintenance and Operational Manual for Solid Waste Treatment facility of Beit Lahia (Gaza Strip) 2011, CRIC

PROJECTS BOOK

Detailed informations about projects performed are available upon request.

STUDIOAZUE

Associate partner in the consulting company Studio Azue. www.studioazue.eu

Federico De Nardo

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