

World Student Summit for Sustainability 2012 (S³2012)

Department of Geography & Environmental Studies, University of Nairobi, Hyslop Building, 3rd Floor, Main Campus,
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12th – 16th November, 2012, Multimedia University College of Kenya, Nairobi

Theme: Students' Leadership and Innovation towards a Green Economy

SUMMIT ACTIVITIES

The 2012 World Student Summit for Sustainability will discuss a range of localized, bottom-up approaches to fostering a green economy through active engagement of students. The summit will present a wide range of lectures on the different aspects of sustainability by prominent speakers (plenary and roundtables) as well as student presentations (parallel workshops). Besides, there are four distinct but interrelated activities planned for students to get a hands-on work-out on sustainability, before, during and after the physical gathering during November, 12 - 16.

These are as follows;

1. Focus groups

For each of the summit topics (water, energy, waste, food and transport), there will be established a consortium or working group of students/universities/sponsors contributing their ideas and resources to come up with appropriate innovations and put them into some template format for communication on the online wiki platform, presentation at the summit and possible adoption by specified communities after the summit.

Each group will have at least one representative from every university within the WSCSD and a sponsor. A Kenyan university will co-manage each focus group with an overseas university. This will encourage increased interactions between the WSCSD's local chapters.

An interactive project management tool the “Podio” and a [facebook page](#) have been created for the focus group work. All students interested in the summit (including those who will not be physically present at the summit) are invited to join the focus groups to begin contributing with their ideas and resources.



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Detailed description of Focus Groups:

Track	Abstract	Possible Practical Projects
Energy	With limited energy resources, we are faced with the challenge of developing more renewable energy, minimizing fossil fuel emissions, and maximizing energy efficiency in both production and use.. The summit will review the methods of reducing emissions and maximizing efficiency in design, operation, maintenance and repair of energy systems.	Some students shall engage in collaborative design of cheap solar LED lamps (\$ 5) and/or micro-hydro electricity to be installed in the model sustainable community – Nyakongo.
Waste	“Waste is nothing but a resource in the wrong place”. The world’s cities produce enormous amounts of waste which to a large extent ends up in landfills. In some countries incineration is standard practice, which however returns a fraction of the energy used to manufacture the virgin material.	<i>Industrial Waste:</i> A recycling program will be launched within the local universities, whereby students will collect used beer and soda bottles on campus and use them to construct buildings such as classrooms for a school within the slums. <i>ICT Waste:</i> Partnership with Telecommunication Companies like Safaricom to launch an E-Waste Recycling program at a local university where students are engaged in collecting and refurbishing used phones and computers that are re-distributed to identified needy users.
Water	The strategies for sustainable water resource management with a closer view at the trade-offs between the economic and ecological goals will be reviewed. Traditional drinking water uses in rural communities and associated challenges towards sustainability will be discussed.	Re-designing the equipment and technology to improve the efficiency of the point-of use biosand purifiers that was initiated in 2009 in Nyakongo, Nyando District (Kenya) by Canadian and University of Nairobi students through a spin-off NGO - Safe Water and L.E.D. Operatives Worldwide (SWALLOW), www.swallowinc.org . Participants’ will contribute toward improving water supply in Nyakongo through rain water harvesting and well sinking projects.



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Transport	<p><i>Towards low-carbon mobility in Universities and communities around them.</i></p> <p>According to IEA's prediction, personal transportation means will evolve towards systems with more electric and hybrid driven technologies. However, such changes will require significant development and deployment of technologies such as battery storage, power electronics, wide-spread charging facilities, information technology, renewable energy integration and grid supports.</p> <p>In particular, innovative approaches to promoting mass mobility would be explored.</p>	<p>Students from Chalmers University of Technology (Sweden) and other interested universities will collect used bicycles from their universities or towns, repair them and send them to the University of Nairobi for launching a "UniCycle" program at the University of Nairobi and other selected universities in Kenya.</p> <p>A "car-pooling" project would be developed to enable commuting Kenyan university students to share cars within and about their local campuses.</p>
Food	<p>Innovative solutions to hunger, food insecurity, and unsustainable agriculture will be reviewed.</p> <p>Some of the underlying questions to be addressed are:</p> <ul style="list-style-type: none"> • How do we sustainably deal with the hunger crisis in Africa? • What systems should be put in place to empower the local people and help them attain food security and sovereignty? 	<p>The students will engage in simple food production technologies suitable for informal urban settings such as:</p> <ul style="list-style-type: none"> ○ Sack mounds for vegetables such as kales ○ Mobile orchards – for oranges, mangoes etc ○ Hanging vegetable gardens ○ Tyre gardens ○ Composting for enhancing organic agriculture. ○ Inter-cropping

2. A Green Mobile Exhibition – an exhibition on Sustainable Urban Living

The Green Mobile Exhibition aims to communicate and present sustainable urban living solutions effectively and attractively to the public and inspire the transition to a sustainable society.

A model 'Green Container House' will be constructed in partnership with the [Young Engineers for Sustainable Empowerment Foundation](#) (YESE) and the [University of Applied Sciences and Arts Northwestern Switzerland](#) (FHNW). By furnishing standard shipping containers as compact showcases of everyday sustainable living, we will create a mobile information center that will educate Kenyans and foreign visitors on sustainable urban living. Some examples of features that could be included are: renewable electricity generation, waste recycling, social services, bicycle rental/lending service, local food production and sewage treatment.



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A touring exhibition will lead through a number of streets in Nairobi during the World Students Summit for Sustainability in November 2012. The exhibition is designed to be future-oriented and attractive, does not moralize or create fear (sustainable living does not mean, back to 'middle age'). People will be encouraged to question their own lifestyle and to exchange with others.

Afterwards the 'Green Container House' will be transported back to the University of Nairobi for holding in a central and public location where the operational office of the Young Engineers Foundation for Sustainable Empowerment and the World Student Community for Sustainable Development's office will be set up.

ORGANISATION AND FINANCES

a) FHNW: Project Responsibility

To develop the touring exhibition, University of Applied Sciences Northwestern Switzerland (FHNW) is seeking an interdisciplinary project. Universities of Construction and Architecture, Social Work, Art and Design, Economy, Life Science and Technique will be involved. A project team will be responsible for the development, buildup and care of the touring exhibition. Depending on the agreements to be made, the care can also be added or replaced by representatives out of 3b), c) or d). The touring exhibition is financed by FHNW, University of Nairobi and partners.

b) Companies: Lenders of Products

Innovative companies and organizations will provide their products to exemplify the particular models and thus gain a platform to advertise their label throughout the whole touring exhibition. This could be suppliers of textiles, domestic appliances or other articles of daily use, architects, energy consultants, transportation companies, etc.

c) Cities: Exhibition Localities and Presenting Partners

The particular city provide FHNW & UoN with a central and public location (enough space for 2-3 containers). If requested they will also get the possibility to present their city and its engagement in sustainability. Depending on the range and the need for additional infrastructure, in this case a financial participation should be considered.



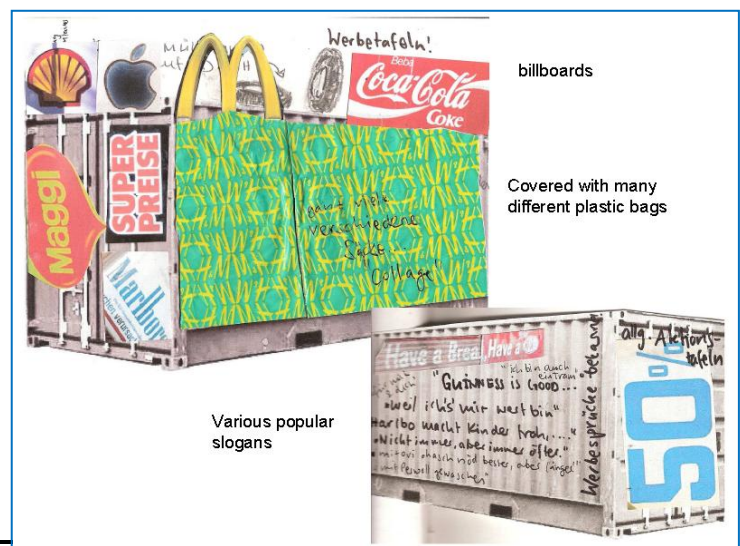
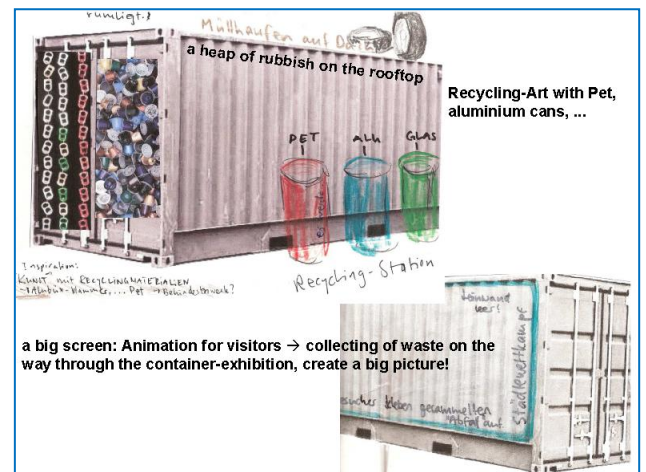
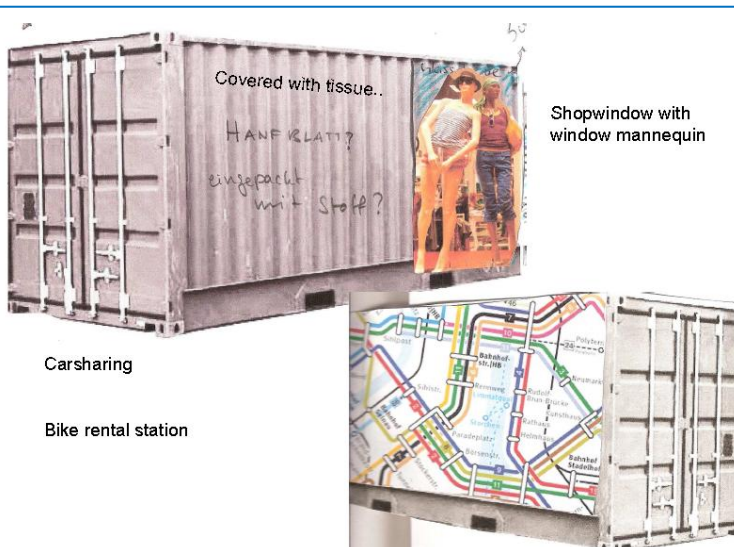
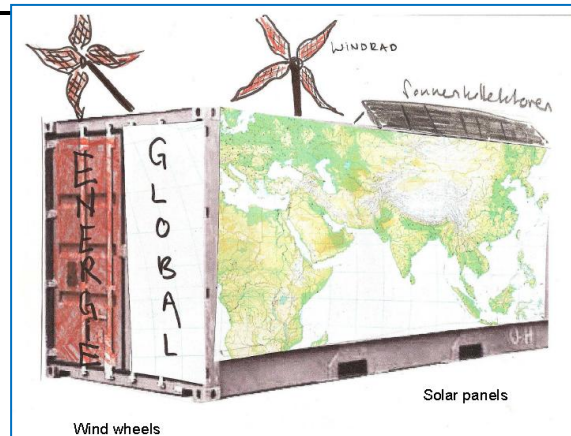
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The container is equally a symbol and symptom of a cross-bordered movement, but of a tendential equal-treatment of people and wares, too.

Institute for Studies in Visual Culture



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3. **Model Sustainable Village – an East African example of a sustainable rural village**

The summit is expected to trigger concrete "cross-border" collaborations in transforming a real community - “Nyakongo” located in Nyando District, Western Kenya into a model sustainable village. The focus groups will receive detailed information on physical and social condition of the community, including the ongoing initiatives. During tour of the village, participants will get an opportunity to interact with inhabitants of the community to get a clear understanding of the local people’s view of sustainable development. Key outcome of the exercise will be advice and student investments on projects that would assist the village to become more sustainable and resilient to future threats like climate change and increasing fuel and fertilizer prices. Local student communities shall gather contributions from fellow students, companies and organizations towards building the model "sustainable node".

4. **Green Fellowship – A Fellowship of Entrepreneurs in Sustainability**

A special workshop on “*Green Entrepreneurship*” has been organized, providing a catalyst for summit participants to make use of the visions and inspiration generated into something to pursue in their professional careers. The fellowship offers multiple learning, networking and mentorship opportunities aimed at sharpening skills of at least 20 well selected students to start Green Careers. *Green Fellows* will learn tips and strategies for building an effective organization strategy (profit, non-profit- with or without business character), raising capital and growing the organization.

Green Entrepreneurship Workshop

Introduction

Co-organized by the [International Entrepreneurship Academy](#) and [the International Organisation for Knowledge Economy and Enterprise Development](#), the special workshop will target students/professionals that are ready to launch enterprises based on their work towards the summit. This is planned during the WSCSD’s Students Summit for Sustainability 2012 to enable motivated university students launch Green Careers.



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Goal

To equip entrepreneur-minded students who are ready to start-up their own organizational structure (profit, non-profit- with or without business character) with skills that are related to:

1. Knowledge-based and social entrepreneurship
2. Supply Chain Management.
3. People management and all related issues such as change management.

Outcome:

A fellowship of entrepreneurs in sustainability will be initiated as a catalyst for summit participants to make use of the visions and inspiration generated into something to pursue in their professional careers. This will be achieved a special full-day workshop during the summit with educators on leadership, entrepreneurship and creative group discussions.

The fellowship provides multiple learning and networking opportunities aimed at sharpening students' skills both as community leaders and entrepreneurs.

Green Fellows will:

1. Learn tips and strategies for building an effective organization strategy, raising capital and dealing with accounts and growing the business
2. Network with other entrepreneurs, including the leading business owners, entrepreneurs who faced similar opportunities and challenges.

Participants: At least 20 well selected students or young professionals with demonstration of leadership and agile interest in starting/running Green Enterprises.

Program Sustainability:

1. The workshop will serve as the launchpad for the Sustainability Fellowships.
2. The participants will present the first cohort of Sustainability Fellows (to be recognized during the closing ceremony) and the launch of the World Students Sustainability Fund (WSSF).
3. 1 year follow-up coaching and mentorship programs shall be planned.
4. The fellowship is also expected to provide seed-funding to the spin-off student ventures resulting from the summit.



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Facilitators

1. Prof. Thomas Andersson, Sweden; Chair of the WSCSD's Advisory Board, Chairman of the [International Entrepreneurship Academy](#) and Senior Advisor to the Omani Research Council
2. Dr. Roger Baud, founder [ACTIS](#), Switzerland;
3. Prof. Gitile Naituli, [Multimedia University](#), Kenya.
4. Yvette Ramos, Strategic Planning and Change Management expert at the [International Telecom Union](#) and the [World Meteorological Organization](#).
5. Dr. Maria Veludo, President of RITES, Visiting Professor at IESEG Business School and Pedagogical Engineering at Nemawashi, France;

5. 'We Are One' Film

The [Verge Multimedia](#) and the World Student Community for Sustainable Development have partnered to develop a global collaborative media project that showcases ideas to make the world a better place for all. From sustainability to clean technology, from tolerance to interconnectedness, 100 groups of university students from over 100 countries are banding together to create an educational film – “We Are One”. The video will document grassroots actions towards a better world and will be viewed during the summit.

Summit Program

	Monday 12 th	Tuesday 13 th	Wednesday 14 th	Thursday 15 th	Saturday 16 th		
08:00	Meeting of WSCSD AGM	Registration				Departure	
09:00			Opening Ceremony	Environmental Governance	Green Mobile Exhibition (YESE)		
10:00			Key Note Speeches	Group Discussions			
11:00			Youth and Green Entrepreneurship				
12:00			LUNCH				
13:00			Global Challenges	Field Trips	Group Presentation		
14:00					Closing Ceremony		
15:00							
16:00							
17:00			DINNER			Green Entrepreneurship Workshop	Global Sustainable Village Building Begins
18:00	Welcome Dinner						
19:00							
20:00		Reception	Social Event	Farewell Dinner			
21:00							

