

AIDD/UEH Sample List of Sustainable Development Project Ideas

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Proposal/Project Name	Section	Description
Milk Transformation	Agronomy & Environment	Increase revenue for peasant farmers; develop distribution business run by UEH-trained agronomists.
Bicycle-based Farm Machines	Agronomy & Environment	Design, develop, roll-out basic apparatus for bicycles to increase agricultural productivity. Involve UC mechanical engineering students; design courses and design project.
Lam Veritab Transformation	Agronomy & Environment	Develop powder form of lam veritab which is highly popular in Haitian drinks.
Water Kiosks in Rural Areas (Implementation)	Agronomy & Environment	Install solar-based water purification systems to run clean water kiosks. Every UC campus has students engaged in water projects.
General Peasant Organization Consulting	Agronomy & Environment	An agricultural extension-type program that places UEH-trained agronomists, which 85% do not work in agronomy, to work with peasant farmers. Internship opportunities for UC undergraduate and graduate students.
MicroMentors	Economic Development	Provide analysis to help Haitian entrepreneurs put together business plans which will be submitted to Micro-finance Institutions. International Business Development type experience for UC management, business, economics students.
Small Business Mapping in Port-au-Prince	Economic Development	
Business Model for Plastics Recycling	Economic Development	Profitability modeling for a recycling plant which takes plastic waste off the street and remanufactures them into much more needed water jugs.
Mental Health Policy Research	Law & Social Justice	Policy research to suggest reform for mental health patient legal rights and facility upkeep. Strong interdisciplinary research opportunity for UC's psychology PhD, psychiatry residents, public policy masters, law students, etc.
Human Rights in IDP Camp	Law & Social Justice	Report on the human rights situation in Haiti's IDP camps which still house 500,000 residents. Human Rights centers and research groups are at almost every campus.

Cultural Center Structural Design in Gonaives	Engineering	Develop blueprint in conjunction with Haitian architecture firm for a historically significant city of Gonaives. Opportunity for UC architecture and civil engineering students.
Electronic Health Record	Engineering	
Solar Smart Micro-Grids	Engineering	Feasibility study and design for solar smart micro-grids in southern port region of Les Cayes. Many UC students are involved in renewable energy work; D-Labs at UC Davis is a potential source.
FIRST Robotics	Engineering	Incorporate principles of robotics design into the UEH electromechanical engineering curriculum and develop outreach program for secondary school Haitian students. All UC engineering schools have undergraduate and graduate students involved in some kind of robotics research and in case of Berkeley and Merced, have an outreach program.
Gospel Village Medications	Health	Can provide opportunities for short-term medical student/resident rotation. Needs medication and equipment donations.
Comparative Research on Household Water Purification Methods	Health	Compare different purification methods on health outcomes. Opportunity for UC public health students.
Health Education in Secondary Schools	Health	
Public Campaign Against Counterfeit Drugs	Health	Launch a public campaign to warn PauP residents against consumption of counterfeit drugs and supply-chain management improvements for increased medication availability at dispensaries. Can involve UC pharmacy, law students, public policy, and industrial engineering students.
End-User Surveys for Low-Cost Biomedical Devices	Health	Best if a a current device that has gone through extensive development is improved via Haiti. Or conduct needs assessments, end user focus groups to develop designs for low-cost biomedical devices. Can involve UC health science students.