Campus Verde
Report 2012

This report includes the activities by the Campus Verde Initiative, which is constituted mainly by students guided by faculty and personnel from UPRM.

Presented by Dr. Sandra Cruz-Pol,
Campus Verde Coordinator.
June 2012
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Mission Statement</td>
<td>3</td>
</tr>
<tr>
<td>II. Campus Verde Structure</td>
<td>3</td>
</tr>
<tr>
<td>III. Green Adventures</td>
<td>4</td>
</tr>
<tr>
<td>IV. New Green Team</td>
<td>6</td>
</tr>
<tr>
<td>V. New Tree Committee</td>
<td>7</td>
</tr>
<tr>
<td>VI. Eco Cine: More Leveraging</td>
<td>8</td>
</tr>
<tr>
<td>VII. Merging: More Student Chapters</td>
<td>9</td>
</tr>
<tr>
<td>VIII. Education and Outreach Activities 2011-12</td>
<td>10</td>
</tr>
<tr>
<td>IX. Campus Verde Students</td>
<td>13</td>
</tr>
<tr>
<td>X. Reduce, Reuse and Recycle</td>
<td>14</td>
</tr>
<tr>
<td>A. BottleMountain Recycling during Campus Activities</td>
<td>14</td>
</tr>
<tr>
<td>B. Hand dryers</td>
<td>14</td>
</tr>
<tr>
<td>C. New Paper-Use Policy</td>
<td>14</td>
</tr>
<tr>
<td>XI. Promote Bicycle Transportation</td>
<td>15</td>
</tr>
<tr>
<td>A. Official Student Organization</td>
<td>15</td>
</tr>
<tr>
<td>B. Projects</td>
<td>15</td>
</tr>
<tr>
<td>Actions taken: On August 14th 4 members went through Campus with</td>
<td></td>
</tr>
<tr>
<td>printed maps on hand identifying practical places to place</td>
<td></td>
</tr>
<tr>
<td>convenient racks. Some concerns are protection from rain and</td>
<td></td>
</tr>
<tr>
<td>placement next to the entrance of buildings.</td>
<td>15</td>
</tr>
<tr>
<td>C. Educational, Recreational And Outreach Activities</td>
<td>16</td>
</tr>
<tr>
<td>XII. Energy Conservation and Efficiency</td>
<td>17</td>
</tr>
<tr>
<td>A. Solar House into Ecological House</td>
<td>18</td>
</tr>
<tr>
<td>XIII. Nature Activities</td>
<td>19</td>
</tr>
<tr>
<td>A. Beach Clean-up Day</td>
<td>19</td>
</tr>
<tr>
<td>B. Waterfall Clean-up Day</td>
<td>19</td>
</tr>
<tr>
<td>I. Education and Outreach Materials and Training</td>
<td>20</td>
</tr>
<tr>
<td>A. Training for students and personnel about Global Warming Solutions</td>
<td>20</td>
</tr>
<tr>
<td>1. Television and Radio Appearances about Global Warming Solutions</td>
<td>20</td>
</tr>
<tr>
<td>Appendix A: Campus Verde Survey Results Comparison 2009-2011</td>
<td>22</td>
</tr>
<tr>
<td>Appendix B: Campus Verde Survey Feedback</td>
<td>36</td>
</tr>
<tr>
<td>Appendix C. Draft for the new UPRM TREE Policy</td>
<td>40</td>
</tr>
</tbody>
</table>
Campus Verde (CV or in English “Green Campus”) is an initiative founded in the fall of 2007 at University of Puerto Rico – Mayagüez Campus. It’s coordinated by Dr. Sandra Cruz-Pol with participation from students, faculty and campus personnel who strive to raise awareness of the prevailing importance of living in harmony with the planet in order to reduce our impact to the ecosystem and reduce global warming emission and climate change. CV coordinates activities and efforts directed toward education and the implementation of projects in eco-friendly and sustainable issues. We work with collaboration with various student organizations, campus departments and offices. (Campus Verde also has its own student organization called Campus Verde Students). We provide annual training to dozens of students/faculty, so they can continue to offer lectures and workshops to the community both here or wherever they go to work. Thus we reach thousands of people annually all over the island and beyond, including people from Colombia, Argentina and Mexico who have indicated that we use our resources downloadable freely from our web.

Examples of our education and outreach activities are annual Symposia with experts from multiple disciplines such as renewable energy, organic farming, biofuels, remote sensing of the atmosphere, e-waste, green transportation, political aspects of climate change, green architecture, green economics, among others. In addition we organize information booths at fairs, climate change forums, eco-films, eco-fair, educational campaigns, and parades during Earth week. We use online surveys, and pre/post-tests to assess impact of our activities. We also provide presentations to schools and conventions all over the island, reaching over 5,000 people per year through conferences and visits. See more information and photos in our annual report. http://campusverde.uprm.edu/CampusVerde_Reporte.pdf

In addition we organized activities such as tree planting, beach cleanups, eco-eating fairs, recycling day, waterfalls cleanups, and bicycle marathons, among others.

In terms of implementation, we meet regularly with the administration to introduce eco-friendly alternative transportation, energy conservation and efficiency measures, etc. which result in substantial cost savings and lower emissions of greenhouse gases and toxic to the environment. In terms of prevention, we have an eco-health and numerous activities to raise awareness about the positive impact of a healthy diet, not smoking, use of bicycles, use of ecofriendly cleaning products and personal care products, and how all also benefits the planet. We develop and provide free materials online such as posters, fact sheets and presentations. http://campusverde.uprm.edu

I. Mission Statement

Campus Verde strives to integrate environmental knowledge into all relevant disciplines; improve environmental studies course offerings; provide opportunities for students to study campus and local environmental problems; conduct environmental audits of its practices; promote environmentally responsible purchasing policies; reduce campus waste; maximize energy efficiency; make environmental sustainability a top priority in land-use, transportation, and building planning; establish a student environmental center; and support students who seek environmentally responsible careers.

II. Campus Verde Structure

Campus Verde was moved from being under the Chancellors office to the Research And Development Center (CID by its Spanish acronym).
III. Green Adventures

During this past academic year, Campus Verde grew impressively, thanks in great part by the addition of Dr. Dallas Alston as the Co-Director of the initiative. Dr. Alston is a professor of marine sciences and brought many ideas to the program such as the creation (By UPRM Computer Information Technology (CTI) personnel Efrain Morales) of a Green Adventures website. This new web (http://www.uprm.edu/eventosverdes) allowed the posting of all green activities of CV including new kayak trips (where Dr. Alston was the leader), biking trips (leader and CV Co-director Jorge Bencosme), and many others.
Campus Verde is now offering outdoor activities with the main goal to have students visit places of interest in Puerto Rico so that they can increase their appreciation of our beautiful island and the need for conservation practices. The students can select among a variety of activities, including kayaking, snorkeling, hiking, and cycling. Dallas Alston and Jorge Bercosme will coordinate these activities and there will be other leaders for some of the excursions. Kayaking will primarily take place in La Parguera; the other activities may occur at other locations such as beaches, parks and rivers. For each activity, safety is a primary concern, so there will be no less than required equipment for some activities. For instance, helmets must be worn during cycling and life jackets must be worn during kayaking. The leaders will also be giving safety tips during the outings. Clothing requirements will vary, but in general we recommend that you protect yourself with clothing or sun screen during sunny activities. Long pants are recommended for hiking. Important: We will try to point out activities which are strenuous. In any case, you will be getting a lot of exercise, so you should be in reasonably good condition to attend any of the trips.

Dallas also recruited many people to serve as leaders of these green trips whose main purpose was to give the student an opportunity to appreciate nature. Most activities on this new page were free but some asked for a small (non reimbursable) donation which went directly to CV account and serve to pay for new equipment or replacement of lost or old equipment, materials, snacks for some activities and the like.
IV. New Green Team

In addition, CV constituted a Green Team with expertise in several areas related to sustainability, including UPRM personnel and faculty with expertise in renewable energy, organic agriculture, etymology and organic pesticides, green chemistry, climate change outreach, organic apiculture, biodiversity, and sustainable construction, among others. A very prestigious green architect join the Green Team as collaborator from outside of UPRM, i.e. Dr. Fernando Abruña, who was previously president of (US Green Building Council) USGBC Caribbean Chapter and professor at UPR-RP.

Our intention is to leverage on the human resources already found within UPRM by asking each Green Team member to organize 1 or 2 activities per year within their field that can benefit our academic community and even our general community since some of our activities are realized on the town commons (Plaza Colón de Mayagüez).

Our Green Team is presented in the next figure. It can be found at http://campusverde.uprm.edu/contact.html.
Fig. 4. Collage of new Green Team members constituted mostly by UPRM personnel with expertise in areas related to sustainability. We also have our collaborator from outside of UPRM, Dr. Fernando Abruña, previous president of (US Green Building Council) USGBC Caribbean Chapter.

V. New Tree Committee

In addition to those, we gathered a group of experts in topics related to tree interference in construction and developed a Tree Policy for the first time in 100 years since the foundation of the institution. This policy is being reviewed by the administration. The idea is that the committee be consulted before the cutting of any tree within the campus.

The team is constituted (ad-honorem) by Jose Mari-Mutt, author of UPRM trees online inventory and vast knowledge about endemic trees of Puerto Rico and the Caribbean, Dr. Sally González and Dr. Lizzette González, experts in horticulture, Dr. Julia Mignucci, expert in phytopathology and Dr. Francisco Maldonado, expert in sustainable construction.
This group mainly communicates via emails but have visited some of the trees as needed. A tree Cutting/Trimming Policy was written and reviewed by the team with the help of Dr. Sandra Cruz-Pol and Jorge Bencosme. See appendix. This past summer this Tree Committee helped save a tree of around 50 years old, which was about to be cut since its leaves bothers some other buildings and a water fountain. The

VI. Eco Cine: More Leveraging

Campus Verde has previously offered many documental movies with topics related to sustainability. This year we have the participation of UPRM Filmotech through Arlene Freimont, and the General Library Audiovisuals office through Eric Muñoz, and they agreed to collaborate with us by offering their resources to present a weekly movie from their collection or ours, that has related topics. See figure below. All the movies are announced through our Eventos Verdes webpage.
Fig. 8 List of all the movies that have been offered in previous years free of charge and will be shown again on a weekly basis.

### VII. Merging: More Student Chapters

Campus Verde has previously served as an umbrella for green activities from other student associations and chapters. We have Ride-a-Bike, a group that promotes biking as a means of clean and healthy transportation and lead by Jorge Bencosme. We promote their activities through all of our means including social networks like Facebook and Twitter. This year we incorporated an additional group of student, the USGBC UPRM student chapter. In addition, Campus Verde has a student chapter, called CV Students, and we help coordinate green activities like beach cleanups and tree planting with other student associations as PRWEA, IEEE, TauBetaPi, SWE, SHPE and others.
VIII. Education and Outreach Activities 2011-12

During this past academic year, Campus Verde coordinated dozens of activities reaching hundreds of students and general public. In our webpage, a photo album depicts most of our activities. We participated in several international environmental activities such as

- Earth Hour: 60 minutes for the Planet (with the collaboration of several local bands, the Mayaguez Municipality and several student organizations)
- 350: International Climate Action Day
- International Beach Cleanup Day

In addition, students organized several activities like biking trips, information booths at several fairs, Mountain of Bottles (to gather all plastic bottles misplaced out of recycling bins during a week), and so on.
This year our annual Student Training Retreat took place in a local organic farm 20 minutes from the university. We trained 30 students on how to offer talks about recycling, solar energy, organic agriculture and other topics in sustainability. As a result we outreached many students, civil clubs and more throughout the island.
During the Earthweek (April 23-29), we coordinated 15 different activities including eco cinemas, eco-fair, concert, conferences, and more. We leveraged with other UPRM offices, municipality and agencies such as Sea Grant. During this week we had the participation of the UPRM Marching band on the Earthweek Parade. See pictures below. In the parade we also had representation from several student associations, an electric car and two hybrid cars.
IX. Campus Verde Students

As mentioned above CV counts with a student chapter. This group of students is a very active and dynamic group that brings ideas and action to CV. Below is a list of our directive from this and next year.
X. Reduce, Reuse and Recycle

A. BottleMountain Recycling during Campus Activities

From March 31 to April 4 was the Agricultural Science Faculty Fair “5 Días con Nuestra Tierra” (Five days with our Earth). During this week a recycling program was implemented at the fair’s grounds. We placed the recycling containers around the fair, collected the recycling and put them in the recycling center and made announcements by the stage microphone about the importance and the right way to recycle.

B. Hand dryers

1. To reduce the use of paper towels, hand dryers were placed at the Student Center bathrooms and at the Stefani Building (a heavily transited Lobby area). We bought two models in order to compare the electric consumption before ordering more.

C. New Paper-Use Policy

A group of UPRM personnel met in 2009 to delineate a draft of a paper Use Policy for the university. The idea was to promote the wise use of resources, saving paper and using electronic means as far as possible. The draft of the Policy was handed to the Dean of Administrative affairs last August, but unfortunately it has not yet been implement. See Appendix for draft.
XI. Promote Bicycle Transportation

A. Official Student Organization

Ride a Bike will soon be an official Student Association in Campus. Inscription documents has been submitted to the Dean of Students and the organization's directive is as follow:

President - David R Soto Padín
Vice president - Darsy Smith
Secretary- Kathleen Del Mar Ramos
Treasurer - Eduardo Morales
Advisor - Jorge Bencosme
Vocal - Rafael Padilla
Vocal - Nelson Burgos
Vocal - Juan Burgos

B. Projects

On June 8th 2012 two group members have meet the Dean of Administration Ángel Matos and discussed several proposals including:

- Updating the current inventory of bike racks in Campus. Determine its capacity, location and conditions.

Action taken: We updated will maintain the inventory in a spreadsheet for more flexibility and better data management. We found that there are approximately 48 bike racks, and the approximate total capacity of those racks combined is 318 bikes.

- Some of these racks are not properly placed; the majority of them is not fixed and is on a surface that can have erosion, which is not recommended. We found that most of the existing racks are not appropriate for all kind of bicycles; they don't fit well. This lead to a consideration that future acquisitions of racks should properly accommodate most types of bikes.

- Determine the appropriate location of bike racks and suggest new alternative or practical locations to place racks.

Actions taken: On August 14th 4 members went through Campus with printed maps on hand identifying practical places to place convenient racks. Some concerns are protection from rain and placement next to the entrance of buildings.

- Fix bike racks to the ground and identify each zone as bike parking with a sign according to Manual on Uniform Traffic Control Devices. Also determine if "share the road" aware sign and bicycle signs in the roadway and strategic places can be installed/painted trough campus.
**Action taken:** We make an approach to the president of the transportation committee in Campus, Didier Valdés. We are going to prepare a formal proposal to submit to this committee.

- Address issues that may represent a risk to bike riders in campus. Rainwater drainage in one of our campus main roads represents an obstacle to cyclist. The Dean of Administration asked for a quote to address this issue.

**Action taken:** We meet with Eng. Roberto Ayala, director of the Land and Buildings Department and Architect Janice Mercado to evaluate the best solution to correct this problem and prepare the Quote for the materials.

**Racks at full capacity**

**Racks out of place**

**Bikes out of racks**

**C. Educational, Recreational And Outreach Activities**

On 24th of September, 2011 for the [International Climate Action Day](http://www.moving-planet.org/events/us/mayaguez-pr/1721) we coordinated with the cyclist participants of the [Campus 100 Years Anniversary](http://www.moving-planet.org/events/us/mayaguez-pr/1721) bike ride, gathering together cyclist and bicycles to form a 350 with the purpose of crate awareness of climate change. A picture was taken and sent to [350.org](http://www.moving-planet.org/events/us/mayaguez-pr/1721) site.

- Photos: [https://picasaweb.google.com/UPRMfun/September24201102](https://picasaweb.google.com/UPRMfun/September24201102)
On February, 4th 2012 45 km bike trip in Cabo Rojo, enjoying amazing nature sights by wildlife refuge and visit to the Light House. Two people participated in the event. The activity started at 8:30 am and finished at 12:30 pm.

- Event link: http://www.uprm.edu/portada/eventosverdes/index.php?a=ev&id=8

On March, 4th 2012 Bike trip in Mayagüez departing from Campus and passing through Malecón visiting "La Boquilla" natural reserve and wildlife refuge.

- Photos: http://bici.uprm.edu/Ride_a_Bike/Fotos/Paginas/Boquilla.html

On March 11th 2012, Bike trip in Ponce city departing from Plaza Las Delicias. Nine people participated, two from Ponce; they commented that they were learning new routes in Ponce. Activity started at 7:06 am and finished at 11:00 am. The route took in the Ponce Museum, La Católica University, Plaza Caribe, La Mega Puerta, La Guancha, el Parque Lineal, Parque Monagas, and La Ceiba.

- Photos: http://bici.uprm.edu/Ride_a_Bike/Fotos/Paginas/Ponce.html

On April, 8th 2012 Bike trip to Rincón. Five people participated. Activity started at 8:00 am and finished at 12:00 pm. Departing from observation tower in road 115 in Añasco, passing through various costal communities and visiting the light House and Domes Beach. A total of 12.24 km. Also visited the organic market were most of the participants were able to enjoy organic food, fresh fruits and juices.

- Event link: http://www.uprm.edu/portada/eventosverdes/index.php?a=ev&id=41
- Photos: http://bici.uprm.edu/Ride_a_Bike/Fotos/Paginas/Rincon_2.html

On May 6th, 2012 in coordination with the Athletics Department the first Campus Triathlon, which consisted of 600 m swimming, 20 km bicycle and 3.2 km marathon.

- Event link: http://www.uprm.edu/portada/eventosverdes/index.php?a=ev&id=69

On July, 31st 2012 as part of the freemen's orientation activities the concept of "eco-taxi" was exhibited and demonstrated, showing the importance of sustainable transportation in future generations.

**XII. Energy Conservation and Efficiency**

Our co-Director, Jorge Bencosme, produced a document with an inventory of the outside lightning around campus to show all the lights that remind on due to photo control failures or not been controlled automatically by a photo control or timer.

In the document is referenced the section of Energy Conservation, part of the Energetic Plan of the institution in which compares the cost analysis of replacing the existing outdoor lighting for a more energy efficient one, and the time it will take to recover the investment with the savings in energy bill.
It was proposed that:

- The administration should consider the option of replacing outdoor lighting with new luminaries that can be deemed when full light output is not needed.
- Consider turning off some outdoor lighting were security is not a concern or the light does not need to be on all night.
- Energy consumption should be metered in all buildings. This data should be public as we are a public institution and will encourage to pursue energy efficiency and been an example to others.
- Equipment such as air conditioner should have the option to be remotely controlled or turned off when there is no occupancy of the building or office. Office and hall lights should be controlled by occupancy sensors.
- Entrance, halls and outdoor lighting operation in the buildings can be improved and made more efficient by automated controls such as photo controls, motion / occupancy sensing and remote controlled circuits.
- Start projects for generating renewable energy in campus and pass that clean energy to the electric grid to be locally used and reduce the carbon footprint.
- In the long term, develop the campus electricity grid to be a smart grid.

A. **Solar House into Ecological House**

Our Dean of Engineering agreed to support the reconstruction of an old Solar Decathlon house from 2005 that has lost all walls to termites, and convert it into an Ecological house. Our last chancellor had approved funding for buying the new materials needed, but the construction was halted. Finally during the Spring of 2012 construction resumed and we hope to have it inaugurated by the end of 2012.
Fig. These photos show the state of the old solar decathlon house by the beginning of 2012 (left), and the state as of June 2012 (center). The final product should look similar to figure on bottom right. We are submitting proposals to the government of Puerto Rico and to several private corporations to support this new sustainability showcase. A Copy of the proposal can be found online at: http://campusverde.uprm.edu/Proposal-GreenCampus_UPRM_Eco_House.pdf

XIII. Nature Activities

A. Beach Clean-up Day

A beach cleanup was performed at Playa Golondrinas in Isabela during the international Coast Cleanup Day in September 2011. Another cleanup is already scheduled for this Fall (Sept 15, 2012). In addition, at least 2 UPRM students are taking the Scuba Dogs training to become Beach cleanup captains. As of today only our director is a captain.

B. Waterfall Clean-up Day

Gozalandia Waterfalls Cleanup Day

This past Spring, our group coordinated this cleanup event for two of the three-waterfall system called Gozalandia in the town of San Sebastián. We had 22 students participating. We collected 15 large garbage bags including 5 of recyclable materials. See photos at our album webpage.
I. Education and Outreach Materials and Training

We continue to develop materials for our website including a new page only for Women (http://campusverde.uprm.edu/album.html), another about the link between healthy people and healthy planet (http://campusverde.uprm.edu/ecosalud.html) and we continue to add our pages with additional food eco-friendly recipes, homemade insecticides recipes, and much more.

A. Training for students and personnel about Global Warming Solutions

We continue offering the training given to students where they learn about Climate Change and its solutions in which the students are then tested and certified to give conferences, therefore spreading education. Later throughout the year, students visit several schools all over PR offering advice and talks. One of the 'adopted' schools has participated in beach cleanups with us and established a recycling program in their school. The student leader at the school, Adriana Caban, which was advised by our student Maraida Balaguer and Luz Laboy, received a Presidential awards. See picture below.

![Fig. Adriana Cabán, a student from a local high school which was advised by our program and given several talks by our CV trained students; Luz and Maraida, and joined us in one of our beach cleanups with her school.](image)

1. Television and Radio Appearances about Global Warming Solutions

Our Director was interviewed in a local TV show called CVBIEN with Carlos Ochotecho last April. She was also interviewed in Foro Colegial and talked about the Green Campus initiative and about tips on how to conserve electric energy, water, and how to lower our ecological footprint.

Additional alliances and dissemination

In our effort to reach beyond the university limits, we have formed the following three alliances and dissemination strategies:

1. We have just started an official collaboration with Dr. Jane Goodall's Roots and Shoots (R&S) environmental program, so our program is officially affiliated to them! This was as a result of our talks with Rick Asselta, Puerto Rico’s R&S representative. We assisted to Dr. Jane Goodall Green Campus Talk in San Juan this month and
presented a brief summary of our accomplishments. From this we expect to reach a larger audience and also learn from their activities.

2. In collaboration with Sustainable Environment for Quality of Life of North Carolina, we translated the page “100 ways to save the environment” into Spanish. The page can be visited at: http://campusverde.uprm.edu/100maneras.htm

3. We created a global group in Facebook called Green Idea$ (Idea$ Verde$) so that we can reach people outside the academia with tips on how to save money and help the environment. We’ve had people from as far as Argentina complementing the group messages!
Appendix A: Campus Verde Survey Results Comparison 2009-2011

Figure A Did you know that straws and plastic cups cannot be recycled at UPRM because they are not #1 or 2?

¿Sabías que los vasos y los sorbetos plásticos NO se reciclan porque no son plástico tipo # 1 ni #2?

Figure B Did you know that most plastic bags are made of petroleum?

¿Sabías que la mayoría de las bolsas plásticas están hechas de petróleo?
Did you know that most plastic bags are made of petroleum?

¿Conoces el efecto adverso para el planeta de los productos que no son orgánicos?

Figure C Did you know the adverse effect to the planet from non organic produce?

Would you buy a reusable BPA-free water bottle?

Figure D Would you buy a reusable bottle (BPA FREE) to dring water?
Figure E Did you know about the chemicals that can sometimes leak from the plastic to your water?

Figure F Do you know where to dispose old ink cartridges?
¿Sabes dónde disponer de las baterías viejas para evitar contaminación de las aguas y la naturaleza?

Figure G Did you know where to dispose old batteries to avoid water and soil pollution?

¿Sabías que el plato Styrofoam® con tapa tiene 3 veces más impacto ambiental que el plato llano?

Figure H Did you know that the styrofoam plate with lid has 3 times the environmental impact as the flat plate?
Figure I: Did you know about the environmental impacts in terms of atmospheric toxic emissions that fabrication of styrofoam plates contributes?

Figure J: Would you buy a BPA Free cup?
¿Comprarías una bolsa re-utilizable si la Librería Colegial ofreciera un descuento...

![Bar chart showing responses to the question of buying a reusable bag with discount. 56% would buy if offered a discount, 40% would still buy without discount.](image)

*Figure K* Would you buy a reusable bag if offered a discount at UPRM bookstore every time you use it?

¿Sabes donde reciclar el papel y el periódico en el RUM?

![Bar chart showing responses to the question of knowing where to recycle newspapers. 79% know how to recycle, 20% do not.](image)

*Figure L* Do you know where to recycle newspapers within UPRM?
Figure M Did you know that there is a lot of downloadable information at our website?

Figure N Do you know where to dispose of old batteries and ink cartridges within UPRM?
¿Sabías que en el RUM se reciclan y recopilan también periódicos y papel blanco?

Figure O  Did you know where to recycle old newspapers and WHITE paper at UPRM?
¿Reciclas tus latas y botellas plásticas en los envases de reciclaje del RUM?

- Siempre: 36, 37, 36
- A Veces: 46, 44, 51
- Nunca: 16, 8, 11

Años: 2009 (689), 2010 (472), 2011 (455)

¿Desconectas los enseres eléctricos en tu oficina o salón cuando no los uses?

- Siempre: 66, 66, 48
- A Veces: 9, 13
- Nunca: 13

Años: 2009 (689), 2010 (469), 2011 (453)
¿Sabías que los enseres eléctricos siguen gastando electricidad estando apagados si permanecen conectados?

![Bar Chart](image)

¿Sabes donde disponer de los teléfonos celulares viejos dentro del RUM?

![Bar Chart](image)
¿Comprarias camisetas de algodón orgánico si estuvieran disponibles a precio razonable en la Librería Colegial?

¿Sabías que los productos anti-bacteriales hacen más daño que bien...
¿Te gustaría que en la Librería y en la Cafetería Colegial se ofrecieran más artículos/productos eco-amistosos?

![Bar chart](image1)

¿Te gustaría que se re-estableciera el uso de vajilla de platos reusables (mejores para la salud) en la Cafeteria...

![Bar chart](image2)
¿Sabías que el RUM se podría ahorrar sobre $1 millón anualmente si todo el mundo desconectara sus enseres ...

¿Sabías que puedes ahorrar unos $100 por cada batería recargable que uses?
¿Sabías que el BPA también se encuentra en el laminado dentro de las latas de casi todos los alimentos enlatados y refrescos de sodas?

[Bar chart showing responses, with 18% Yes and 81% No]
Appendix B: Campus Verde Survey Feedback

Comentarios sobre la Encuesta Campus Verde
Marzo 2009

La mayoría de los comentarios son muy positivos, notan los deseo de aprender de las personas, otros muestran sus dudas y frustraciones y otros muestran que aún con todas las actividades de educación y alcances hay muchos mitos que tenemos que corregir e instruir.

- Gracias por instruirme y a nuestra comunidad universitaria.
- Pienso que se deben ofrecer **más productos** eco amistosos y a su vez **educar** más sobre los daños que causan ciertos tipos de plásticos y otros objetos no biodegradables.
- Muy buena la encuesta, es muy necesaria.
- Yo reciclo todo plástico que uso en mi apt en los centros de reciclaje del municipio y no compro comida en la **Cafetería** del colegio, pero deben limitar un poco el uso de vasos, platos etc. en la Cafetería.
• Hago mi parte por el planeta. En mi casa se recicla el plastico y el aluminio, y por las noches antes de acostarme, desconecto el "adapter" que tiene conectado los enseres electronicos como el TV. Todas las bombillas de mi casa son ecofriendly.
• Deseo recibir mas información a cerca del programa campus verde y sus iniciativas tanto en la universidad como en la comunidad.
• Quisiera que me informaran sobre los productos eco amistosos que mencionan aquí. Y se van a utilizar en el Colegio? gracias
• es bueno q la universidad dé el ejemplo y comience a utilizar cosas ecológicas porque así los estudiantes siguen el ejemplo y entre todos podemos mejorar el medio ambiente
• Me encanta que sse preocupe por el ambiente. Quisiera que me enviaran mas información acerca de la organización. Además sería muy bueno que lugares para depositar las botellas y latas sean un poco más grande porque a veces voy a echarlas y esta lleno. Piensa Verde, actua Verde!!!!!
• Esta encuesta me ha despertado la curiosidad, ya que la mayoría de los ítems dentro de la misma son informaciones de las cual uno no está consciente.
• Me gustaría pertenecer al movimiento de campus verde, que tengo que hacer? Francisco Villafañe francisco.villafane@upr.edu
• en realidad es muy bueno q hagan esas encuestas para d esta forma saber cual es el status de conocimientos del estudiantado! y así ayudar con nuestro ambiente tratando de hacer unos cambio en nuestra propia universidad
• Me encanta la iniciativa de Campus Verde. La Cafetería, La librería y todos los departamentos deben apoyar la misma. Debería ser requisito que los prontuarios y de más información que se le brinde al estudiantado sea por medio electrónico. WebCT es una gran opción para llevar a cabo eso. Si es contar de ayudar a nuestro Planeta cualquiera de las decisiones que tomen para realizar cambios positivos las apoyaría.
• Conozco los servicios que se administran en el colegio pero no tengo idea donde se encuentran. Creo que esto es el mismo caso de muchos otros estudiantes y es una lástima que tengamos las herramientas y no las utilicemos porque no las localizamos.
• Yo tuve en mi apartamento un cajón lleno de repasos viejos, muchos papeles, y los temí arrojando a la basura porque nunca encontré el lugar a donde llevarlos. Creo que sería buena idea rotular mejor los lugares en donde se administran los servicios, realmente pienso que si los rótulos son algo que el estudiante ve cada día (porque están en todos lados) usarían los recursos mucho más con el tiempo.
• P.D.:Tengo unos celulares y dos fotocopiadoras que me gustaría mucho saber si se pueden reciclar y donde. Si me pueden ayudar con esto se los agradezco.
• A veces es fácil juzgar a los demás por utilizar productos que no son bio-amigables, pero, ¿que soluciones o productos ofrecen para reemplazar los platos de foam con tapa que puedan mantener la comida caliente y a la misma vez ser bioamigables?, ¿que impacto tendrían en la economía de existir alguno(s), ¿sería viable que los comerciantes ofrecieran estos métodos sin tener que aumentar el costo? Esas son preguntas que se deben hacer antes de hacer esta clase de propaganda.
• Me gusto mucho la encuesta. Ojala y se tomen en cuenta algunas de las preguntas del cuestionario. Sigan hacia adelante!!!
• Donde puedo reciclar el papel de color dentro del RUM?
• sigan la buena labor
• Pregunta:El papel de color se puede reciclar? Para reciclar papel es necesario que este triturado?
• Me parece muy interesante la campaña ecoamiga del RUM, pero consideraría muy propicio el envío de email con datos curiosos o útiles con respecto al ambiente mas comúnmente.
• Se debe educar en las aéreas que reflejan más desconocimiento.
• ME gustaría participar de sus reuniones. Gracias
• Me parece muy interesante el hecho de querer añadir productos no químicos en la utilización diaria del colegio.
• La misma universidad está promoviendo la contaminación sirviéndole a todo el mundo en platos desechables. Deberían exigir que en la cafetería se comporte otros tipos de platos y vasos o poner a gente a fregar, simple y cuando ahorren agua y líquido de fregar.
• Creo que es necesario que la Librería y la Cafetería a ser más eco-amistosos. Sin embargo, creo que además de eso tienen que bajar sus precios (en especial la Cafetería). Creo que se podría montar una empresa de estudiantes en el área que estaba el SAC que se dedique a adquirir los productos ecoamistosos y se le hagan llegar a los estudiantes de una vez a la Cafetería. De hecho estaría disponible para trabajar con esta empresa.
• Muy buena iniciativa. Este tema debiese de incluirse en varios días del curso de UNIV a gran escala. Hay que concientizar a los estudiantes desde Prepas. Es un "issue" tan importante como las charlas de personalidad y sicología que dan en dicho curso. Debe ser obligatorio!!
• interesante
Me gustaría que en esfuerzos tan valiosos como el de Campus Verde, se incluya información a cerca de puntos de vistas diferentes para fomentar un debate saludable en torno al ambiente. Me parece útil que se expongan diferentes puntos de vista, y luego explicar porque la organización considera un punto de vista más válido; el punto quedaría más fuerte y atractivo, especialmente para personas que no están convencidas de los beneficios de esfuerzos eco-amistosos.

Saludos.

Admiro y apoyo el esfuerzo que Campus Verde hace pero es lamentable que el RUM al día de hoy se encuentre tan rezagado en temas de reciclaje. El ejemplo debe comenzar por la casa. Cada oficina y establecimiento de esta institución debe ser un ejemplo para el estudiantado.

Continuén haciendo su gran labor de orientación.

si deberían vender productos orgánicos...tras que te ayudan en tu a vivir un estilo de vida saludable también ayuda al ecosistema

no es muy conocido en el colegio los sitios de reciclar que no sean latas y plastico. El papel se recicla en la oficina. ¿Que se está haciendo en la Cafetería donde el volumen de artículos para reciclaje es grandísimo y el uso de plásticos enorme? y las aéreas verdes del recinto donde están? la siembra de nuevos árboles? Aquí no parece que hay una facultad de ciencias agrícolas. Gracias

Creo que deben rotular o identificar mejor las aéreas de reciclaje de papel y otras.

Gracias a Campus Verde por el excelente trabajo que hacen. Siempre cuentan con mi apoyo.

Interesante encuesta, la verdad es que no sabía mucho de lo que preguntaban. En casa reciclo aunque me molesta que solamente se de un sitio en Mayaguez y el mismo no está en mi camino. Me agradaría que hubiese más sitios e información. Por ejemplo, tenía un televisor que no funcionaba en un apartamento en San Juan, llame al recogido de basura del municipio y me dijeron que ellos no lo recogía, me mandaron a la Autoridad de Desperdicios Sólidos que no me ayudaron, le pongo en la administración y me dijeron que tenía que llamar al basurero, en el basurero me dijeron que no podía llevarlo porque solamente aceptaban ese tipo de basura de camiones de empresas o gobiernos a cargo de botar la basura. Mientras averiguaba trataba de conseguir a alguien que le interesase el televisor para regalárselo. Agradiciamente conseguí a alguien que le interesaba y lo arreglo. Mucha gente desea reciclar pero los sitios y la información es muy escasa. Campus verde me ha ayudado mucho en mi educación verde. Por ejemplo, en casa cambiamos todas las bombillas, poco a poco estoy cambiando los enchufes para poderlos apagarlos fácilmente (todavía tengo algunos bloqueados por muelles pesados), utilizamos mejor el agua y comenzamos una mini cosecha. Una pregunta, donde se puede reciclar una computadora que se quemó?

En vdd q un montón de esas cosas me impresionaron. El jabón, el plástico, el styrofoam, entre otras, wow. Si se hace la venta de artículos como esos en la librería yo estaré seguro de hacer de mi vida una más útil para cambiar el mundo :D.

deberían poner en mas lugares envases de reciclaje, porque por ejemplo en Chardon solamente podemos encontrar envases para reciclar en el 2do piso, es decir frente al Anfiteatro, y a veces se nos es imposible ir a este lugar para poder depositar nuestras botellas y latas.

Muy buena encuesta. También podrían enviarle la información de lo que contestó no saber a los estudiantes.

Deberían promover mas el vegetarianismo!!!

La Asociacion de Padres del CAAM, Inc. estamos disponibles para apoyar las iniciativas de Campus Verde en la medida que podamos con nuestros recursos y aportación de nuestros socios. Nos pueden contactar al (787)832-6633, apcaam@uprm.edu y nuestra Oficina en el RUM Edificio B Oficina 209.

Pienso que es importante hacer disponible mas recipientes para materiales plásticos, de papel, y de lata en el Colegio ya que he visto en MUCHAS ocasiones los que sí están disponibles llenos hasta más no caben. Y hacerlo claro que son solo para esos materiales. En cuanto a lo de los celulares y bacterias, no creo que muchas personas lo sepan y si lo saben, no saben a donde pueden llevarlos. Me parece fabuloso que han implementado todas estas medidas y que lo han seguido y ahora expandido y en cuanto a los materiales orgánicos disponible en el Colegio a un precio razonable, yo digo que SI!!!

A veces hay que eliminar las opciones para que se pueda hacer lo correcto. Si solo tuviéramos zafacas para reciclar y no de los otros, todas las camisas con algodon organico. Las opciones causan dudas y a los que le da igual le va a seguir dando igual. Pero hay que recordar que reciclar y proteger el ambiente ya no es una opción, es una responsabilidad y una total renovación de consciencia y pensamiento.

Estas cosas hacen falta :-)

I liked it! Go Green!!

Es muy importante que orienten a toda la comunidad sobre todo lo mencionado en la encuesta, es un tema muy importante, el cual ahora las personas están comenzando a darse cuenta de lo importante que es. Es muy
bueno que se hable mucho sobre este tema para que se siga creando conciencia sobre lo importante que es conservar tanto el medio ambiente como nuestra salud.

- Existe un pagina del recinto con toda esta información para la comunidad universitaria y el pueblo de Puerto Rico?
- ESERO ME ENVIEN LOS LUGARES DONDE PUEDO LLEVAR PERIODICOS CELULARES pAPEL COSAS PARA RECILAR GRAX...
- Tenia entendido que los otros productos que no fueran #1 ni #2, en los lugares de reciclaje lo enviaban a EU porque alla si lo reciclan.
- Creo que estan haciendo un gran labor. Pero pienso que debria de haber mas orientacion hacerca del reciclaje en el RuM y cualquier actividad pro ambiente. Tambien me gustaria ser parte de su organizacion ya que quiero aportar a la conservacion del ambiente para una mejor vida. Gracias
- Tienen toda la razon y la cuestion es que sabemos esto y no caemos en cuanta de el dano que nos cometemos nosotros mismos
- Me da curiosidad lo de los vasos y los sorbetos... porque hay mas tipos de plasticos aparte del tipo 1 y el tipo 2. Como estan tan segur@s de que no se pueden reciclar?
- Me da curiosidad lo de los vasos y los sorbetos... porque hay mas tipos de plasticos aparte del tipo 1 y el tipo 2. Como estan tan segur@s de que no se pueden reciclar?
- Pienso que se debe anunciar mas los lugares en los cuales se puede reciclar papel y celulares ya que mucha gente desconoce de la existencia de esto en el colegio.
- Muchas Gracias por la oportunidad
Appendix C. Draft for the new UPRM TREE Policy