



May 25, 2012

Sustainable Materials Management Internship Program UPR-Mayaguez Team

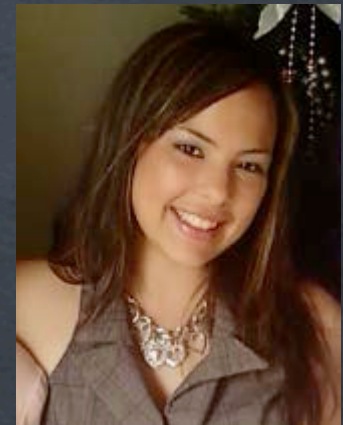
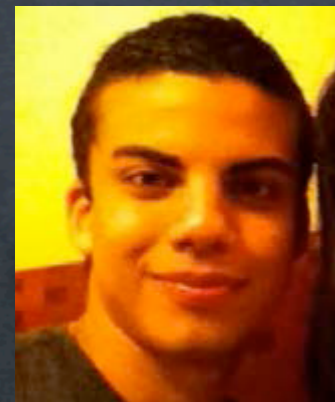
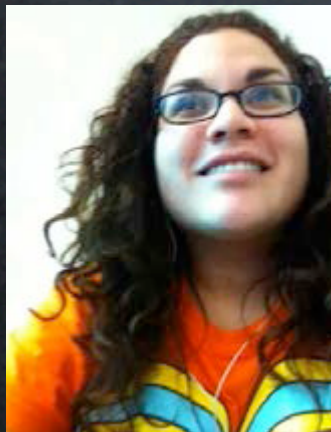
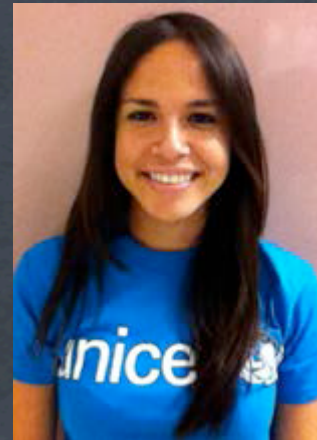
Agenda

- The Team: UPR-Mayagüez
- Goals
- Strategy
- Results
- Conclusions



Team Workers: UPRM

- Lilliana M. Hernández
- Eric L. Rivera
- Loyda García
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- Griselle B. Martínez
- Maraida Balaguer



The Goal: Education and Implementation

- Engage a school in Puerto Rico rural area.
- ✓ **Miradero II** at Mayaguez, P.R.
- ✓ Sciences Groups: 4th, 5th & 6th
- Teach students and educators about recycling, with a focus on composting.
- Establish a more sustainable organics management plan for the school.
- ✓ Activities: **5 Días con Nuestra Tierra** (5 days with our Earth) Tierra & **WOW!** (SWE)





Strategy



Sponsors:



Environmental
Finance
Center
Syracuse University



PRRP



CWMI

Data

Data obtained from Miradero II School

of persons at school
(students + professors)

~200

of persons that were impacted

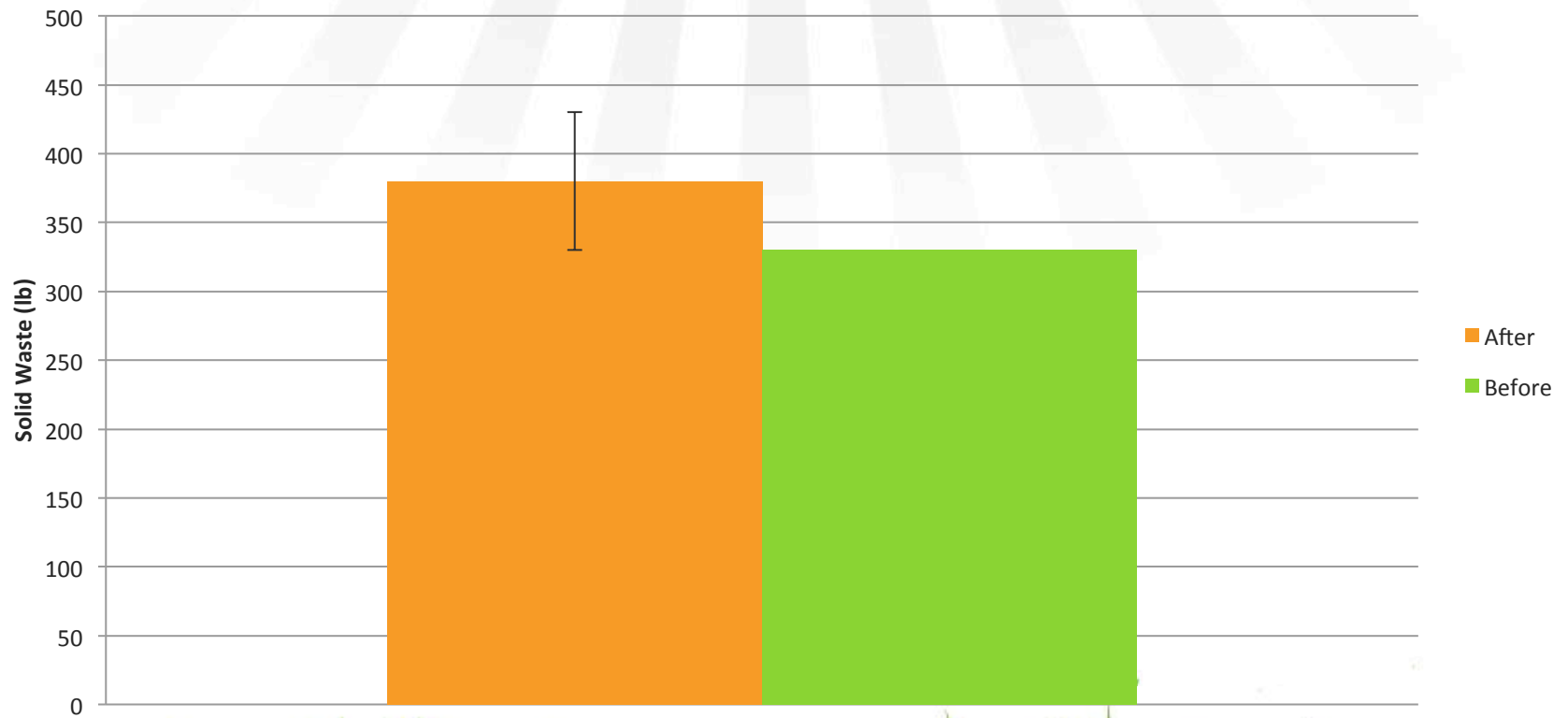
~50

Results

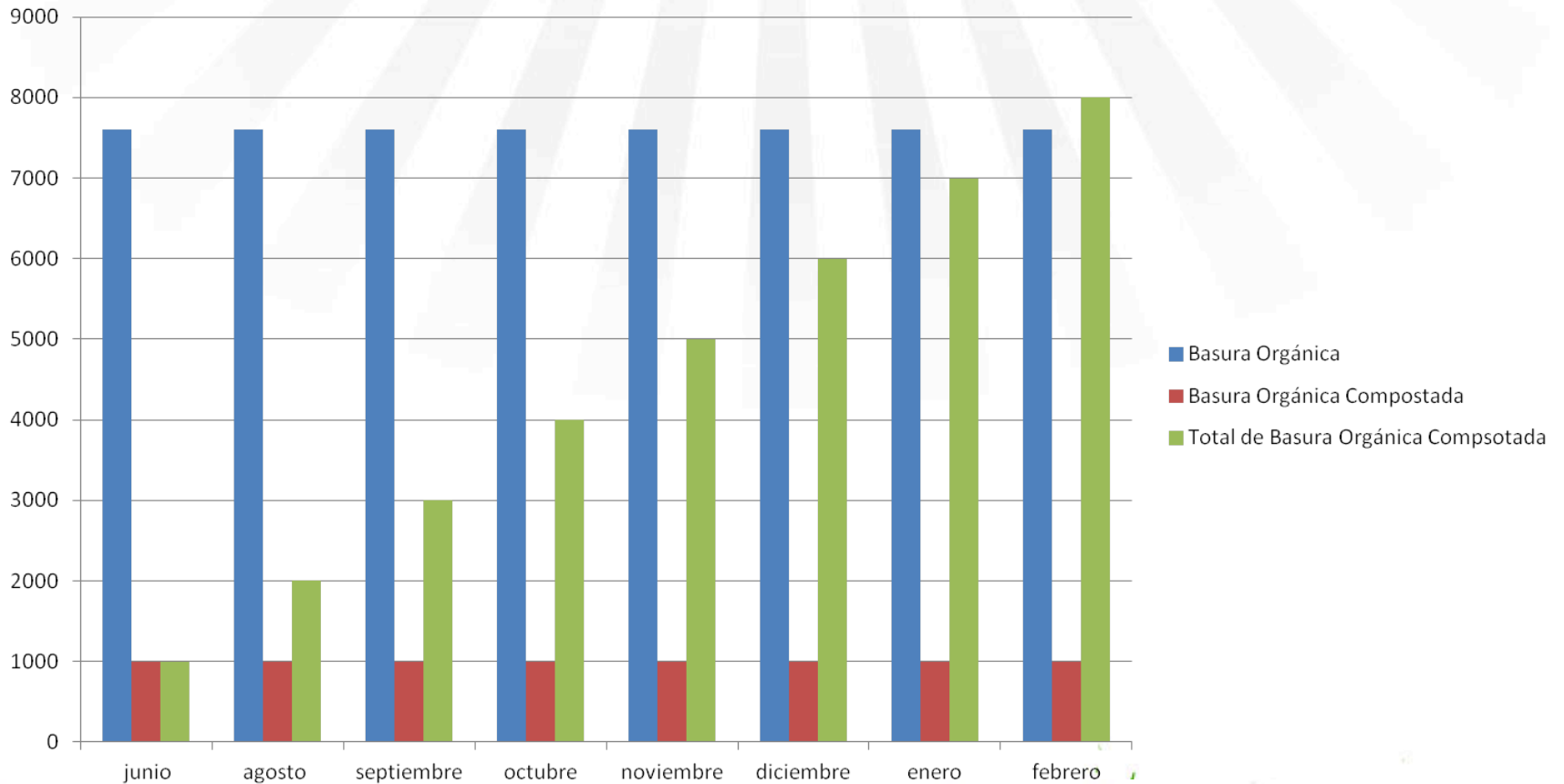
Analysis	
Quantity of solid waste that produced a Puerto Rican	~2 lb/person/day
Quantity of solid waste that is produced in Miradero II School	$\sim 2 \text{ lb} * 200 * \text{students}$ $= 400 \text{ lb/day}$
Quantity of organic waste that became compost at Miradero II School	~50 lb/day
Percent of garbage that we deviate	$(50/400) * 100 = 12.5\%$
Quantity of organic waste that is not going to end in dump/year	$50 \text{ lb./day} * 364 \text{ days}$ $= 18,200 \text{ lb for 50 students}$

Results

Difference in the amount solid waste that was converted to compost.



Organic matter vs. composted organic matter.



Conclusions

- Is a fact that making compost reduces the amount of organic matter that reaches dumps.
- Education about recycling and compost works, but illustration works better.
- We need more time for improve our project.



Compost...Happens!

