An interactive approach inside the university: how to feed sustainability on social networks and users’ proposals

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Why am I here to bore you?

- my past: the hard life of a Bachelor degree in Physics
- a thesis which changed my life -> Report about “The energetic efficiency of the Campus Luigi Einaudi” (2015), with regards to GreenUnito

**GreenUnito**: institutional project aimed at the environmental sustainability of UniTo

if you discover that your university is not eco-friendly what shall you do?

* For further information see the whole report on [http://www.green.unito.it/sites/default/files/doc/Relazione_sul_Campus_Luigi_Einaudi.pdf](http://www.green.unito.it/sites/default/files/doc/Relazione_sul_Campus_Luigi_Einaudi.pdf)
• Lack of an effective differentiation of collected rubbish
• PCs kept in a **stand-by mode overnight**
• Lack of sensors to **switch off** the lighting in not used toilets
• Inside the Main Hall **lighting on**, even during sunny days
• Night **lighting** inside the closed garage

**How is all this possible?**
Consequences

- **119800 kg of CO₂**
- **Absorption of 6000 trees***
- **Consumption of 83 families**
- **43 scholarships of 1000 €**

### Possible annual savings in detail

<table>
<thead>
<tr>
<th>Item</th>
<th>Savings [€]</th>
<th>Savings [kWh]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal lighting</td>
<td>14800</td>
<td>80000</td>
</tr>
<tr>
<td>PCs</td>
<td>7500</td>
<td>40100</td>
</tr>
<tr>
<td>Toilets</td>
<td>6400</td>
<td>31800</td>
</tr>
<tr>
<td>External lighting</td>
<td>6000</td>
<td>31600</td>
</tr>
<tr>
<td>Garage lighting</td>
<td>5000</td>
<td>26100</td>
</tr>
<tr>
<td>Vending machines</td>
<td>2300</td>
<td>12400</td>
</tr>
<tr>
<td>Main Hall lighting</td>
<td>700</td>
<td>3400</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>42700</strong></td>
<td><strong>225400</strong></td>
</tr>
</tbody>
</table>

*Annual absorption of an urban tree ~ 20 kg of CO₂*  
**Average energetic consumption of an Italian family ~ 2700 kWh**
Possible solutions

1. Changes from the top: information given to the Technical Management of the University -> it takes time!

2. Second solution: trying to involve people -> changes from the bottom

Students and users should change their own University!
Steps

1. On a Social Network: **GreenUnito** on Facebook
   https://www.facebook.com/greenunito/?fref=ts

2. Public conference about **GreenUnito**: 12 december 2015
   -> everything started

3. Public events to encourage students to join an eco-friendly student organization, named **GreenTo**: April-June 2016
   -> we hardly got new members

4. Necessity of broadening our audience
   -> **how can you involve people in a quicker way?**
Projects

• organization of a two-day event about sustainability and mobility -&gt; UNITI X UNITO 10-11 November 2016

• Partecipation to “LoveToRide”, a challenge about going to work by bike -&gt; 16 September - 31 October 2016

It is hard to convince people to be eco-friendly:

• Previous activities aimed at an already eco-friendly audience

• “LoveToRide”-&gt; you need the app and you will involve just cyclists!
  We need a fast mechanism of sharing -&gt; more ideas, more people, many more ideas and so on...
That’s why we need more people and in just a few weeks!

Sustainability cannot wait forever!
How to get a quick sharing?

The idea of a social network is simple:

1. share ideas, pictures, activities and sentences
2. do something to get likes and sharings in the virtual life
3. take the best (and the worst) of other users

The application of a social network to involve people in being sustainable - > why not?
Our simple idea...

• Taking pictures of eco-friendly actions
• Sharing them on Facebook or Twitter through an hashtag
• more eco-friendly actions -> more likes and sharings
  -> more users
• If you take eco-friendly actions, you get prizes

A photographic contest during two weeks or one month ->
the more sustainable actions you take, the better prizes you win
... not easy to do

BIG PROBLEM -> Time and tasks: we are just 8-10 active members in GreenTo, but the contest requires

- **organization**: development of ideas and clear rules
- **money**: someone must pay for the prizes
- **event**: monitoring of new posts
- **diffusion**: website

It did not seem possible in a reasonable time (1-2 months)
It was already done!

Social media platform

Purpose: reward eco-friendly behaviour!

GreenApes: YOU ARE NOT ALONE IN THE JUNGLE

https://www.greenapes.com/en

1. Registration via web and mobile apps (possible with Fb account or SMS)
2. Share green actions and ideas, including pictures and text
3. Be inspired and find new sustainable friends
4. Earn “BankoNuts” and win discounts and prizes

DANGER, WE ARE ENTERING THE JUNGLE!
greenApes is a Benefit Corporation, it was founded in 2012 by sustainability experts and ICT professionals. It introduces social and economic incentives for sustainable lifestyles, helping circulation of best practices, ideas and local initiatives.

After 2 years of testing it was launched in Florence (Sep 30, 2015) and in Essen (European Green Capital 2017).

72% of users in Florence reported they have adopted new sustainable behaviours since they started using the app.
greenApes can be connected via (APIs) to external apps (Car2Go, Apple Health.. soon apps from UniTo?). Integrations are possible also with other institutional partners: in Florence users collect bonus points for public transport subscriptions and for bringing special waste to the recycling stations.

Real rewards are offered by eco-friendly partners

A free smoothie, discounts on organic products, tickets for theatre and movies... Partners in town can join the scheme offering a “special treat” to participants in exchange for their BankoNuts (points).

60000 actions & ideas shared
Step 1: Register!

Hello there!

To Sign-up with one click

Login with Facebook

Login with Sms

No worries, this does not let the app post to Facebook and you can choose to be anonymous.

How will you be known in the jungle?

You can change this at any time

Proud to be green

Federico Dattila

I'm green but shy

HowlingFederico
Step 2: Share!
Step 3: Be inspired!

valerighet - Ape rank 6
42 minuti fa - Italy

Ho preso il bus/la metro/ il treno
30 XP

“A& complimenti a Milano i mezzi pubblici sono una bomba!”

ApeMarilena - Ape rank 7
un’ora fa - Italy

Ho mangiato vegetariano
30 XP

Merenda! 😊
Step 4: win such a prize!
#Wewillgreenyou-GreenApes

• one-month contest (*November 2016*)

• Users of UniTo (students, professors and workers)

• Sharing of *eco-friendly behaviours* through GreenApes

• **Final prizes** to the winners

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Final purpose - get the continuous use of GreenApes in Turin: not just during the contest, but in everyday life

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Do you want us to green you?
Acknowledgements

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• GreenApes Project info@greenapes.com

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• GreenTo, student organization

Thank you for your attention

For further information and questions: federico.dattila@edu.unito.it.
Questions? I’m ready!

Let’s focus a bit on:

- “The energetic efficiency of the Campus Luigi Einaudi” (2015)
- GreenApes
- GreenUnito