

WELCOME

Room 11 (level 2)

How Can We Use Digital Tools
to Reduce Urban Household
Energy Usage?

INTERACTIVE THINGS

User Experience & Data Visualization Studio



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SCHEDULE

- Background / Introduction (10 min.)
- State of the Art Presentation (10 min.)
- Exercise, Group work for concepts (40 min.)

- Break (20 min.)

- Presentation and Discussion (40 min.)
- Synthesis of Options and Principles (10 min.)
- Wrap-up, Future Work (10 min.)

Ecoplace

<http://ecoplace.ch>



Übersicht

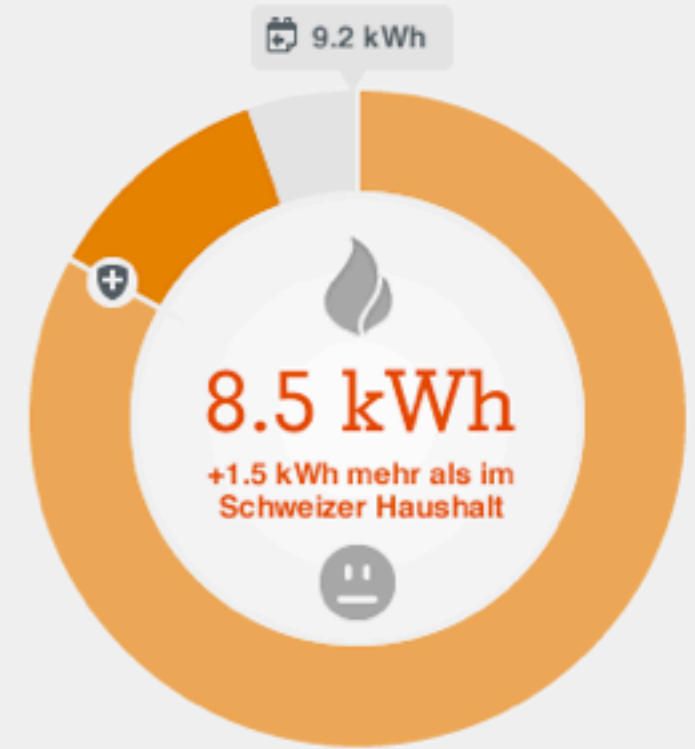
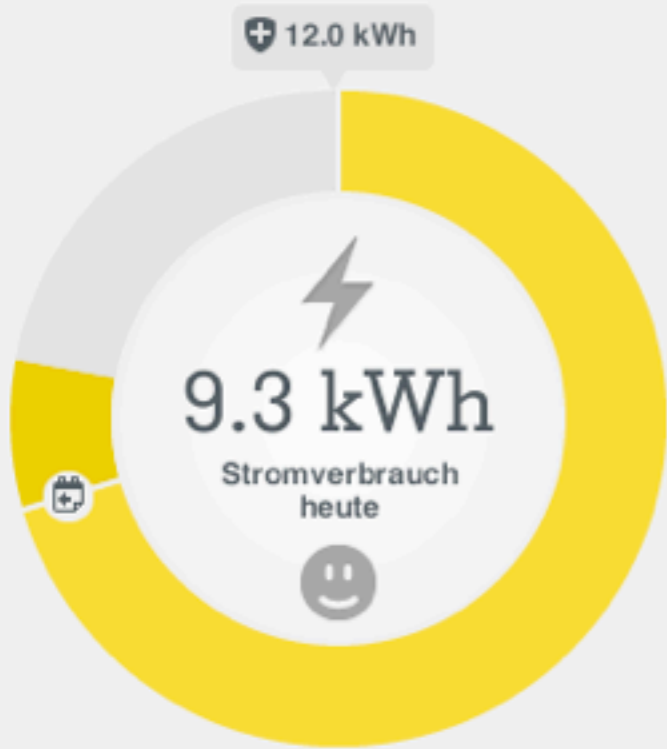
Strom

Wasser

Wärme

Verbrauch Heute, 13. Juli 2012

Tag



Durchschnittsverbrauch im Schweizer Haushalt 12.0 kWh

Dein Stromverbrauch vor einer Woche 8.5 kWh

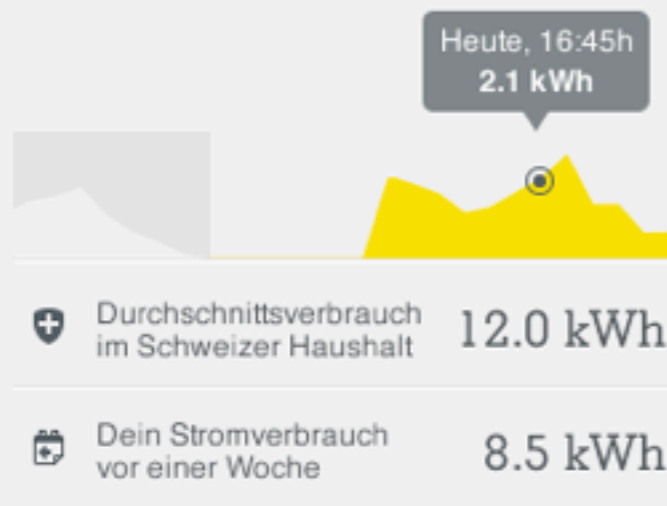
Durchschnittsverbrauch im Schweizer Haushalt 474 l

Dein Wasserverbrauch vor einer Woche 410 l

Durchschnittsverbrauch im Schweizer Haushalt 7.0 kWh

Dein Wärmeverbrauch vor einer Woche 9.2 kWh

Bitte nicht vergessen



Bitte nicht vergessen

Mache ich

Diese Woche bleibt der Kühlschrank zu

Du sparst Strom, in dem du die Tür deines Kühlschranks immer gleich schliesst.

Abbrechen

Mache ich

Meine Waschmaschine läuft nur voll

Du sparst Strom und Zeit, in dem du soviel wie möglich bei einer Waschladung wäschst.

Abbrechen

Einen Vorsatz erfüllen und aktiv Energie sparen





iPad

4:20 PM

Remote

ecoPlace dashboard

Abmelden

Übersicht

Strom

Wasser

Wärme

Stromverbrauch Heute, 13. Juli 2012

Tag



Gesamtverbrauch

9.3 kWh



Vergleich zu gestern

+53%



Ersparnis (Sfr.)

~0.35



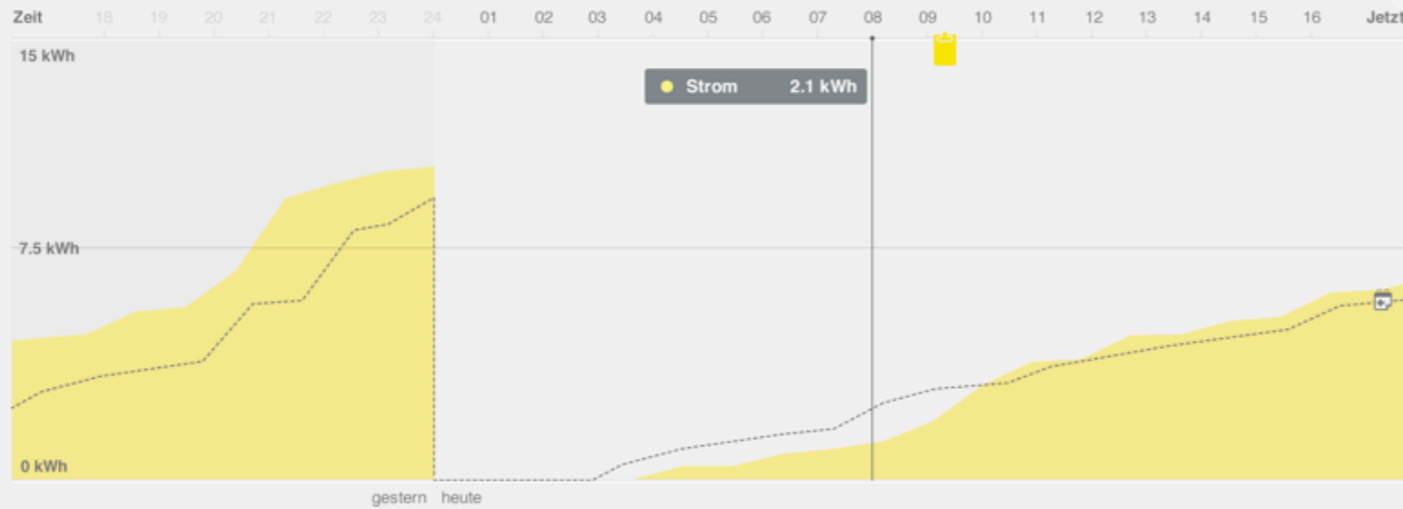
Rangliste

Welchen Platz belegst Du im Haus?



Gesamtverbrauch anzeigen

Vergleiche mit Gesamtverbrauch gestern





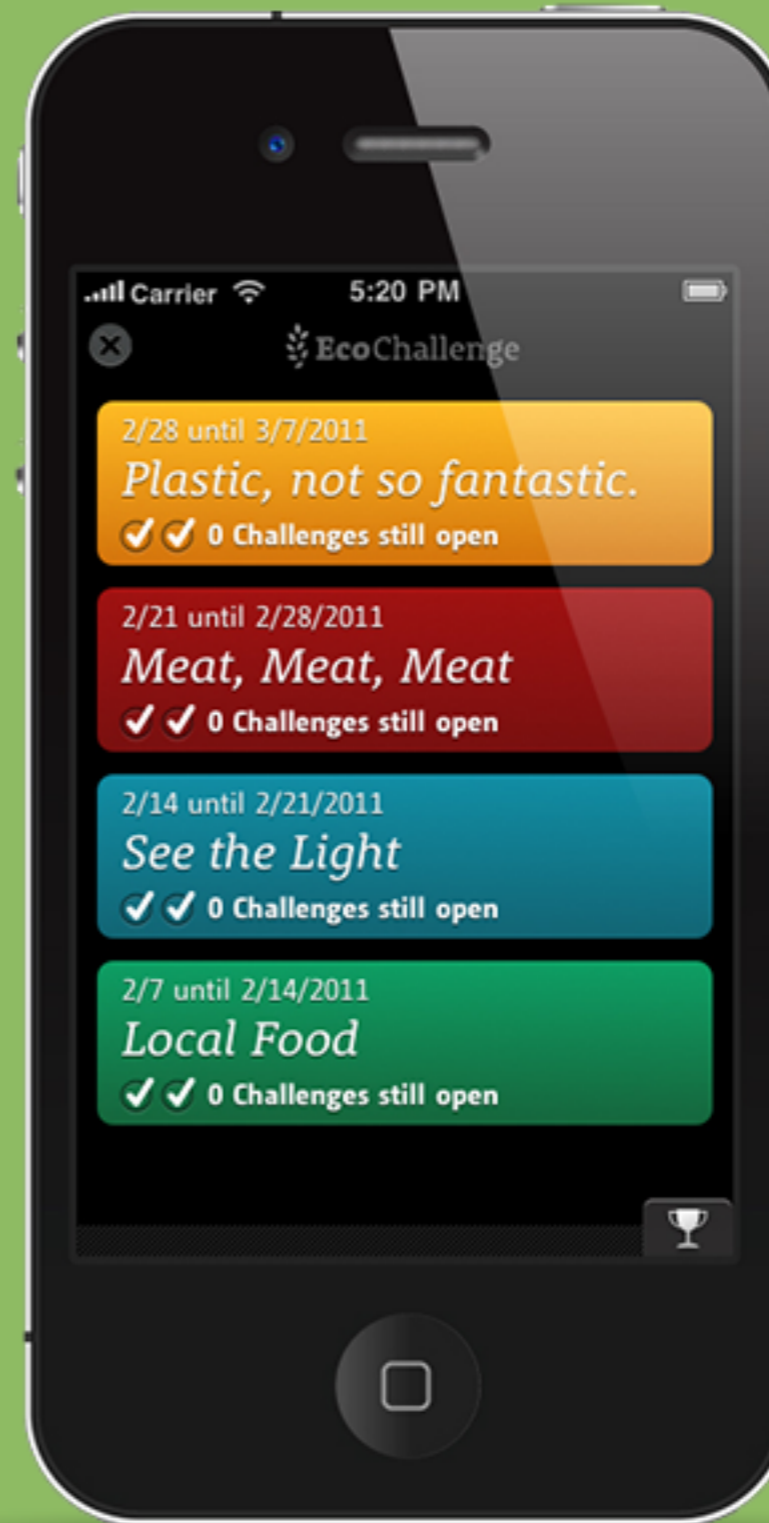
Nest

<http://nest.com>



Eco-Challenge

<http://eco-challenge.eu>



HabitRPG

<https://habitrpg.com>

The screenshot shows the HabitRPG website interface. At the top, there is a browser window with the URL <https://habitrpg.com/?play=1>. The user's profile is displayed with a character icon, level **Lvl 1**, a red health bar at **50 / 50**, and a yellow experience bar at **0 / 20**. A **Login / Register** button is in the top right.

The main content area is divided into four panels:

- Habits:** Lists habits with status icons: **1h Productive Work** (green plus), **Eat Junk Food** (red minus), and **Take The Stairs** (green plus/red minus). Includes a **New Habit** input field and an **Add** button.
- Daily:** Lists daily tasks: **1h Personal Project** (yellow), **Exercise** (green), and **45m Reading** (red). Includes a **New Daily** input field and an **Add** button.
- Todos:** Shows a **Call Mom** task. Includes a **New Todo** input field and an **Add** button. Filter buttons for **Remaining** and **Complete** are visible.
- Rewards:** Shows earned rewards: **20** coins for **1 Episode of Game of Thrones** and **10** coins for **Cake**. Includes a **New Reward** input field and an **Add** button.

HabitRPG

<https://habitrpg.com>







The screenshot shows the HabitRPG website interface. At the top, there's a browser window with the URL <https://habitrpg.com/?play=1>. The user's profile is visible, showing a character icon, a level indicator (Lvl 1), a health bar (50 / 50), and a star indicator (4 / 20). There are three green notification boxes on the right side of the profile, each containing a star icon and the text "Exp,GP +2", "Exp,GP +0.7", and "Exp,GP +1" respectively.

The main content area is divided into four panels:

- Habits:** A list of habits with status indicators (plus, minus, or plus-minus icons). The habits listed are "1h Productive Work", "Eat Junk Food", and "Take The Stairs". Below the list is a "New Habit" input field and an "Add" button.
- Daily:** A list of daily tasks with checkboxes. The tasks listed are "1h Personal Project", "Exercise", and "45m Reading". Below the list is a "New Daily" input field and an "Add" button.
- Todos:** A list of todos with checkboxes. The todo listed is "Call Mom". Below the list is a "New Todo" input field and an "Add" button.
- Rewards:** A list of rewards with cost and description. The rewards listed are "20 1 Episode of Game of Thrones" and "10 Cake". Below the list is a "New Reward" input field and an "Add" button.

SOME FITBIT BADGES BEING AWARDED NOW

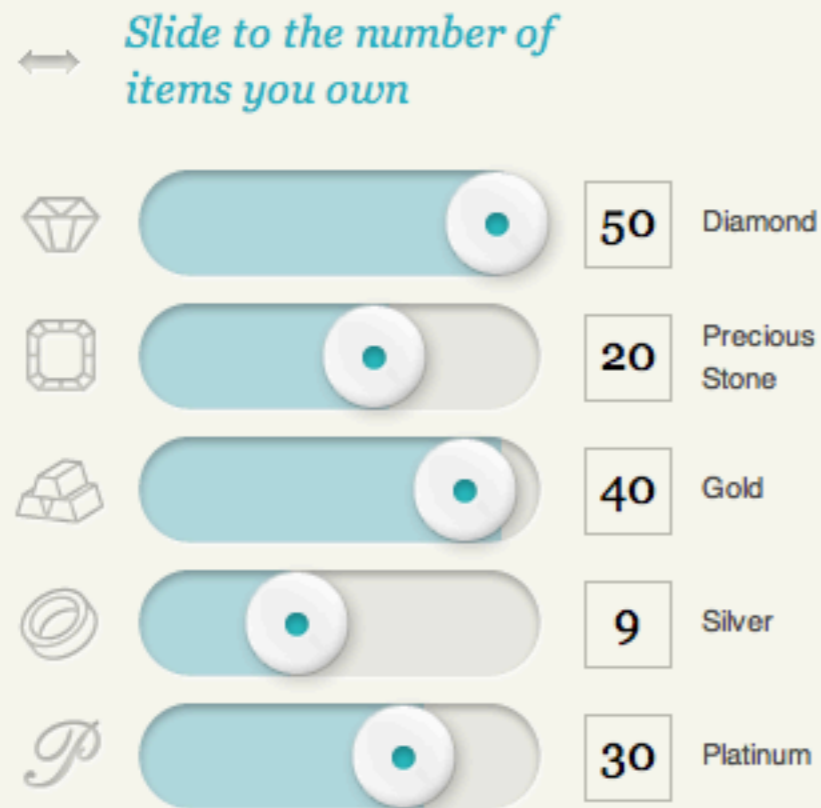
FITBIT MEMBERS GET BADGES AS THEY REACH GOALS!

5 MIN AGO	4 MIN AGO	4 MIN AGO	3 MIN AGO	2 MIN AGO	
					
DAILY CLIMB 400 Floors Nice, FR	DAILY CLIMB 10 Floors San Diego, CA	ASTRONAUT 28,000 Floors Charleston, SC	DAILY STEPS 10,000 Steps Atlanta, GA	UFO 14,000 Floors Los Angeles, CA	LIFETIME DISTANCE 750 Miles London, UK



Slavery Footprint

<http://slaveryfootprint.org>



Blood isn't limited to diamonds.

Rubies are believed to be Burma's second largest export after teak wood, and are commonly mined using forced labor. Mines are controlled by either the government or the army, who oversee workers in terrible conditions for little or no pay.

f t 104K

Eatery

<https://eatery.massivehealth.com>



Mo

Mobility for tomorrow



GROUP TOPICS

- 1 The Social Network
- 2 Playing Games
- 3 Quantified Home
- 4 Service Mash-Up
- 5 Intelligent Devices

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