

CARRERAS NO-LINEALES

y otras sorpresas para el futuro



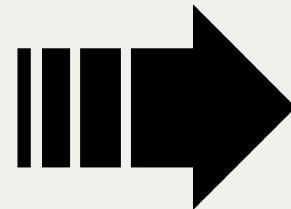
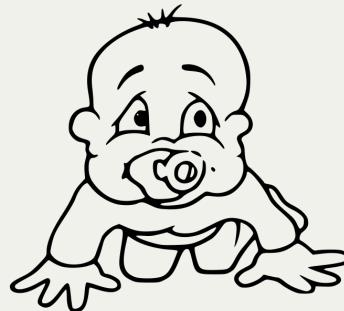
LES AGUARDAN GRANDES

Oportunidades

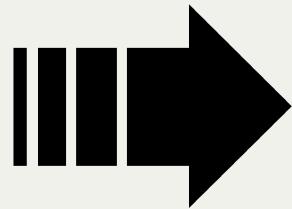
LAS QUE SE PROPONGAN

Y OTRAS QUE NO IMAGINAN AÚN

- MODELO TRADICIONAL -

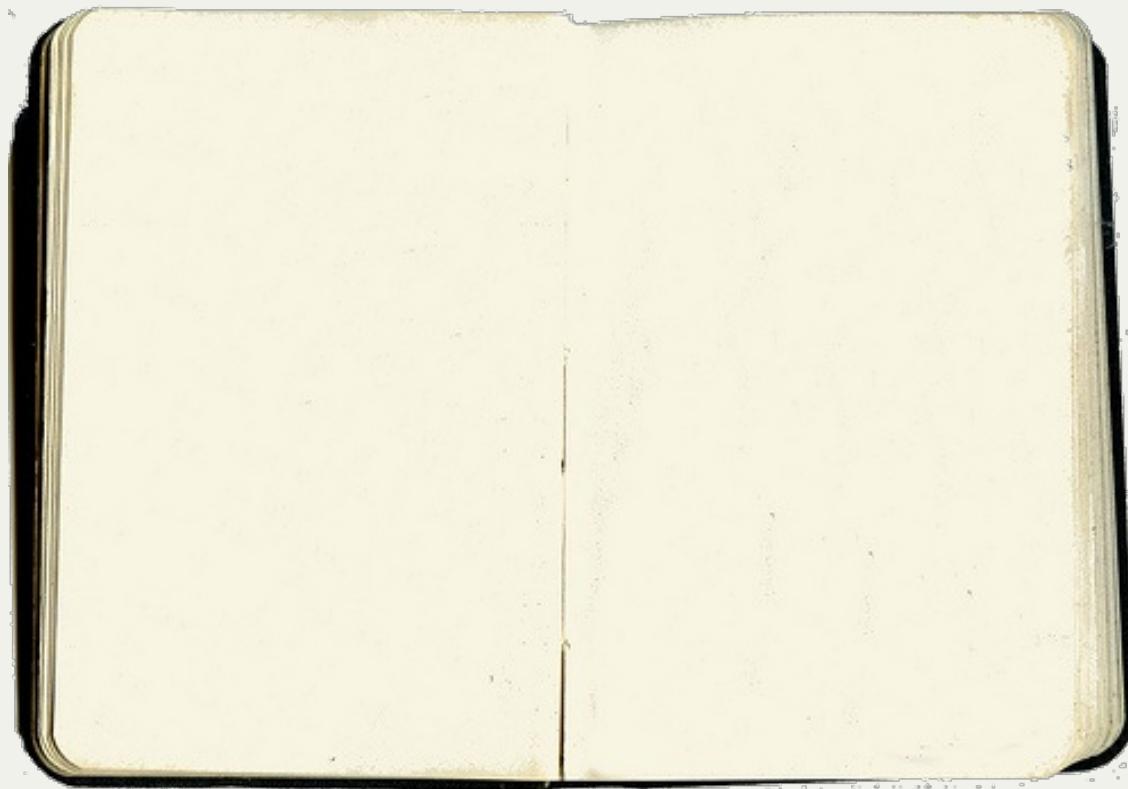


Corp S.L.



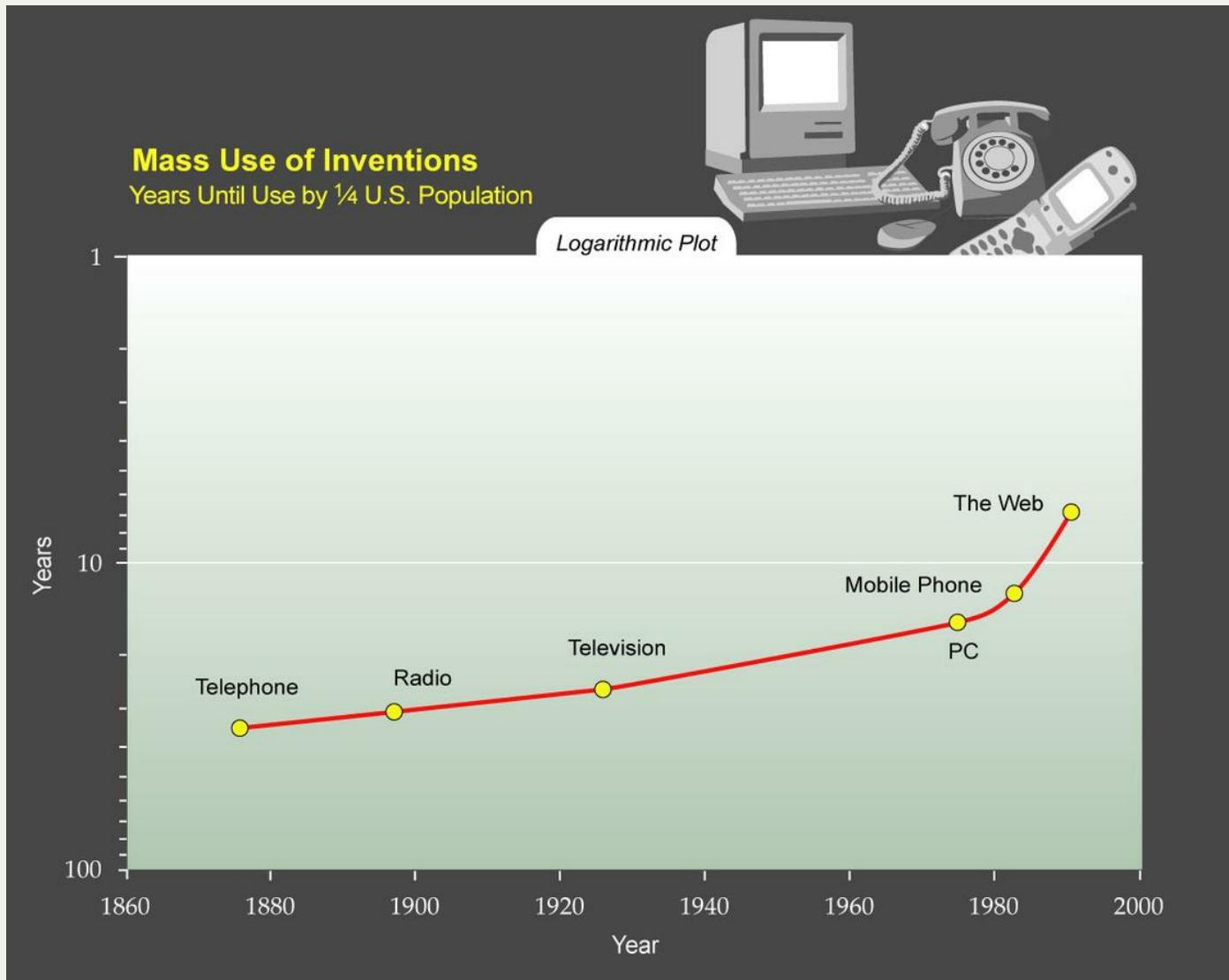
ESE MODELO HA TERMINADO

HOY:



una hoja en blanco

CAMBIO ACELERANDO

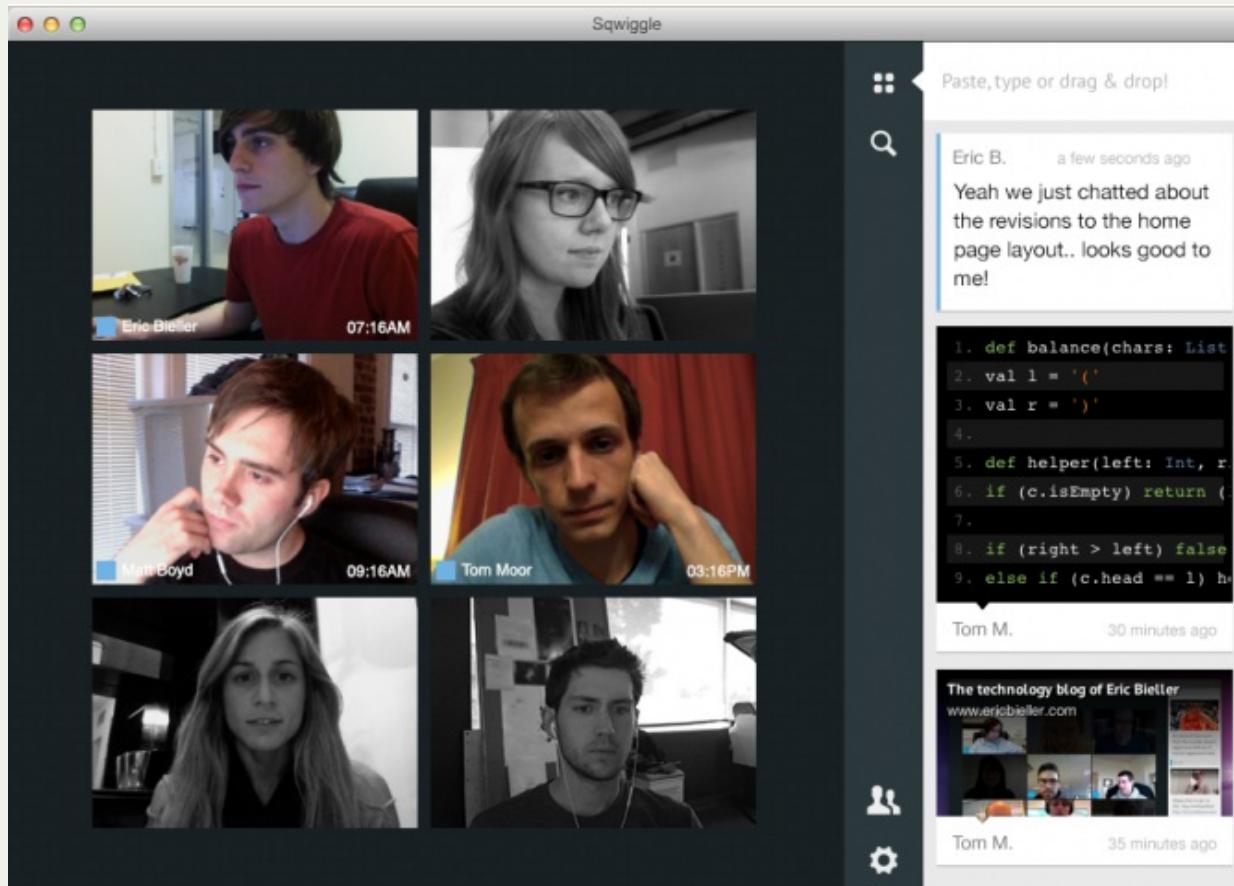




El año que terminé 1º de físicas
Google tenía 8 empleados!

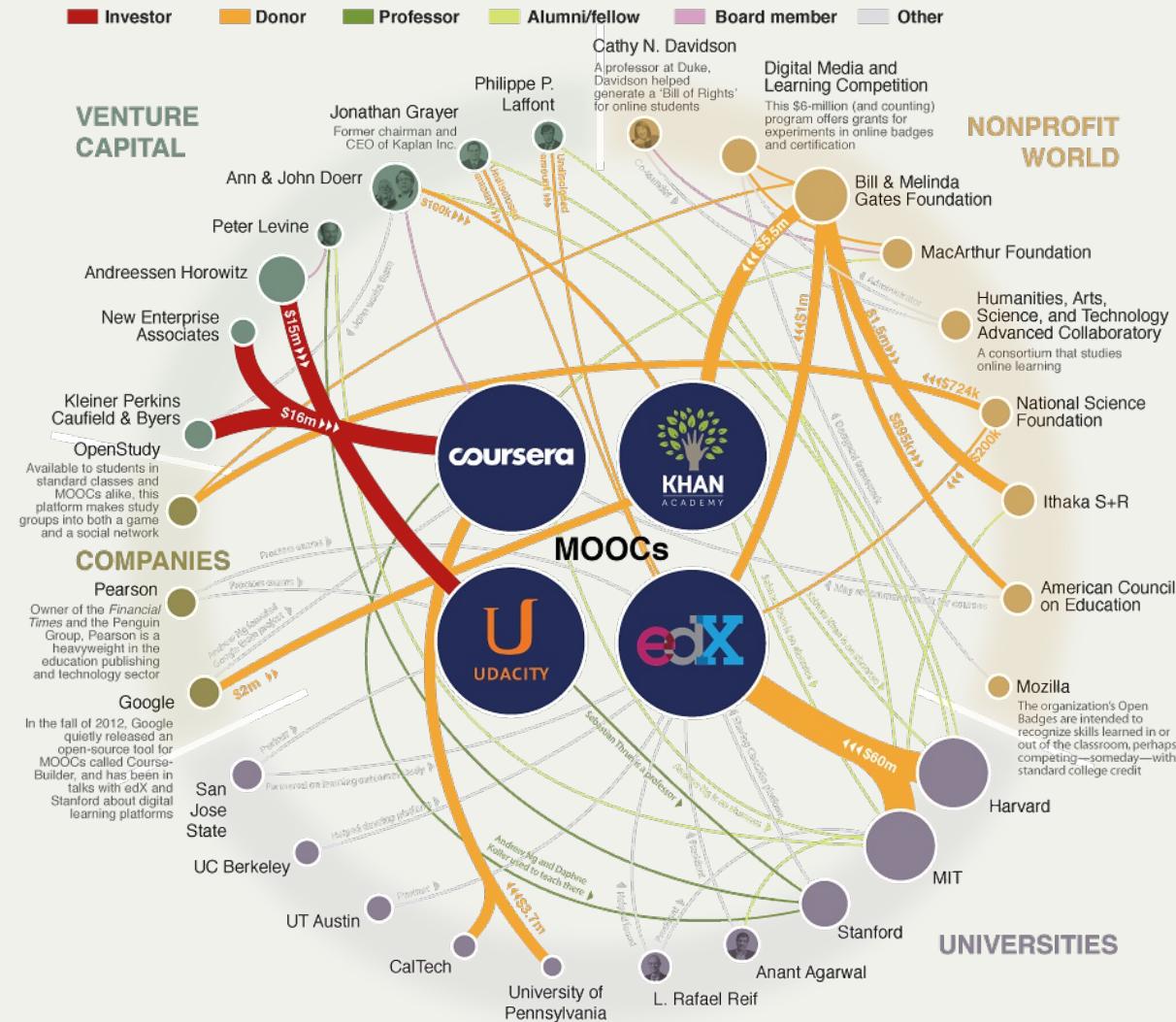
hace 13 años, <http://www.google.com/about/company/history/>

TELE-TRABAJO

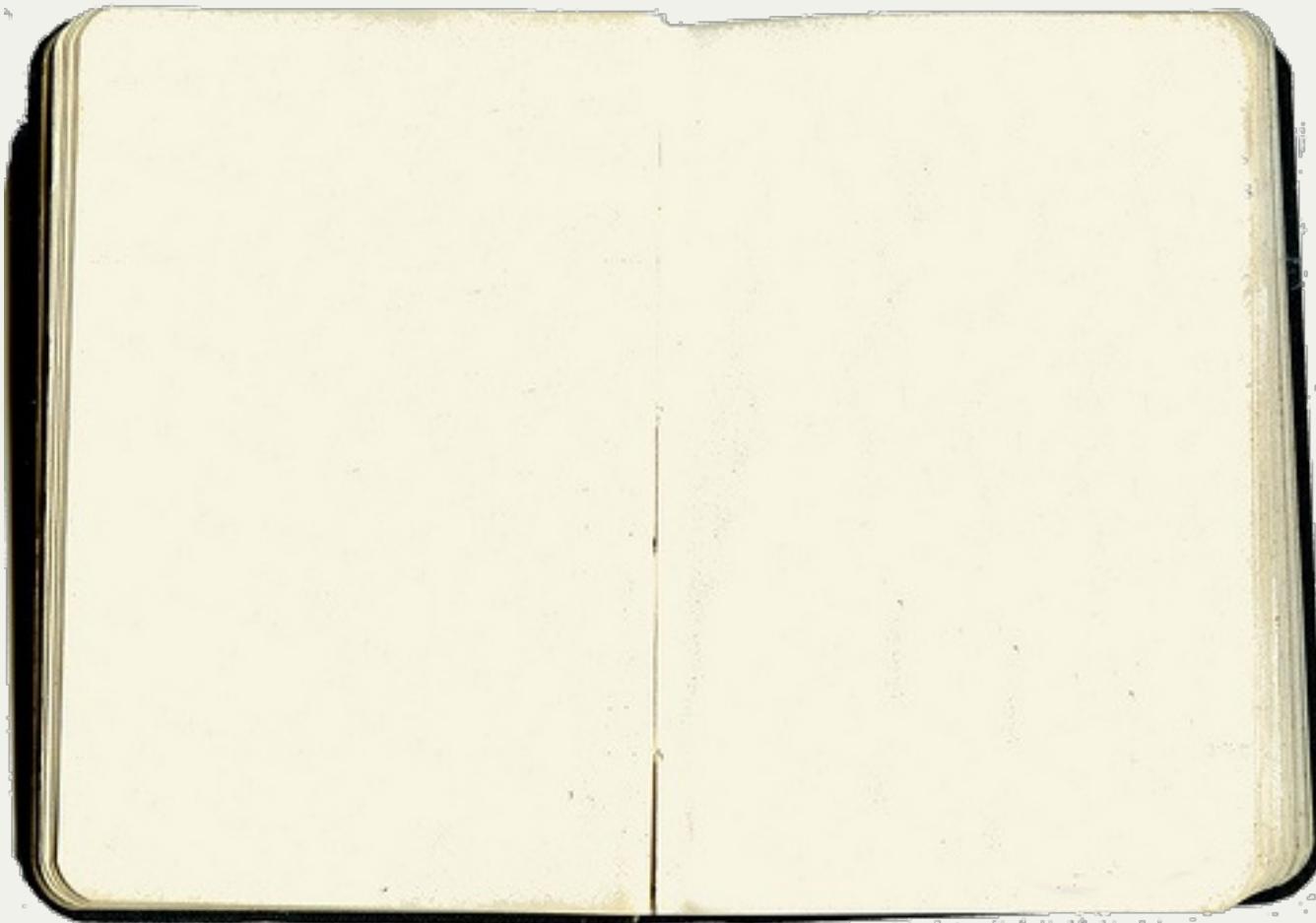


15% trabajadores EU trabajan más de 10h/semana fuera de la oficina

APRENDER ONLINE



LIBRO EN BLANCO: ¿DÓNDE EMPEZAR?



APRENDAN LO QUE LES INTERESA*



2002 - física: ¿Profesor? ¿Investigador? ¿Empresa?
Aggh!! Mi futuro es mi nota media!!

*trabajen duro!

VIAJAR 1000KM SOLO



FISTERA - INGENIERO Y PESCADOR



Majica de Bergantinos, marzo de 2008. Foto: Silvia Chocino

AGRICULTOR Y MAESTRO



SEVILLA - 2005

IV. TWO-QUTRIT SINGLET STATE SIMULATED WITH FOUR PHOTONS AND A CHSH-LIKE INEQUALITY

The two-qutrit singlet state (i.e., the two spin-1 particles' singlet state),

$$|\psi_{3\times 3}\rangle = \frac{1}{\sqrt{3}} (| -1, +1\rangle - | 0, 0\rangle + | +1, -1\rangle) \quad (35)$$

can be simulated by a four-qubit state by defining

$$| -1\rangle := | 00\rangle, \quad (36)$$

$$| 0\rangle := \frac{1}{\sqrt{2}} (| 01\rangle + | 10\rangle), \quad (37)$$

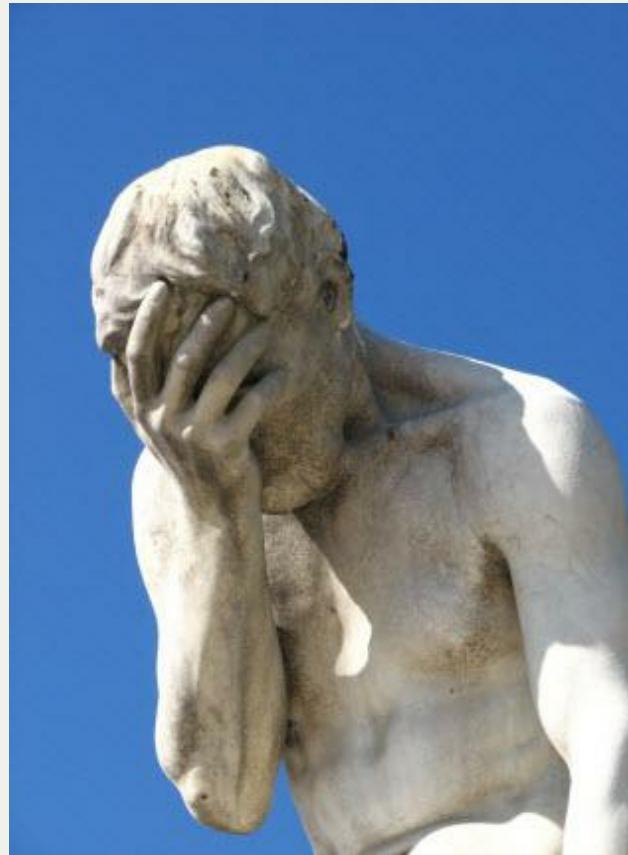
$$| +1\rangle := | 11\rangle. \quad (38)$$

Substituting in Eq. (35), we obtain

$$\begin{aligned} |\psi_{4\times 4}\rangle = & \frac{1}{2\sqrt{3}} (2|0011\rangle - |0101\rangle - |0110\rangle \\ & - |1001\rangle - |1010\rangle + 2|1100\rangle), \end{aligned} \quad (39)$$



FÍSICA CUÁNTICA: APPLICATIONS!



60 emails, 20 cartas, 60 sellos, 10 gestiones, 1 viaje



PHD IMPERIAL COLLEGE LONDON*



*TOP 10 TIMES HIGHER EDUCATION

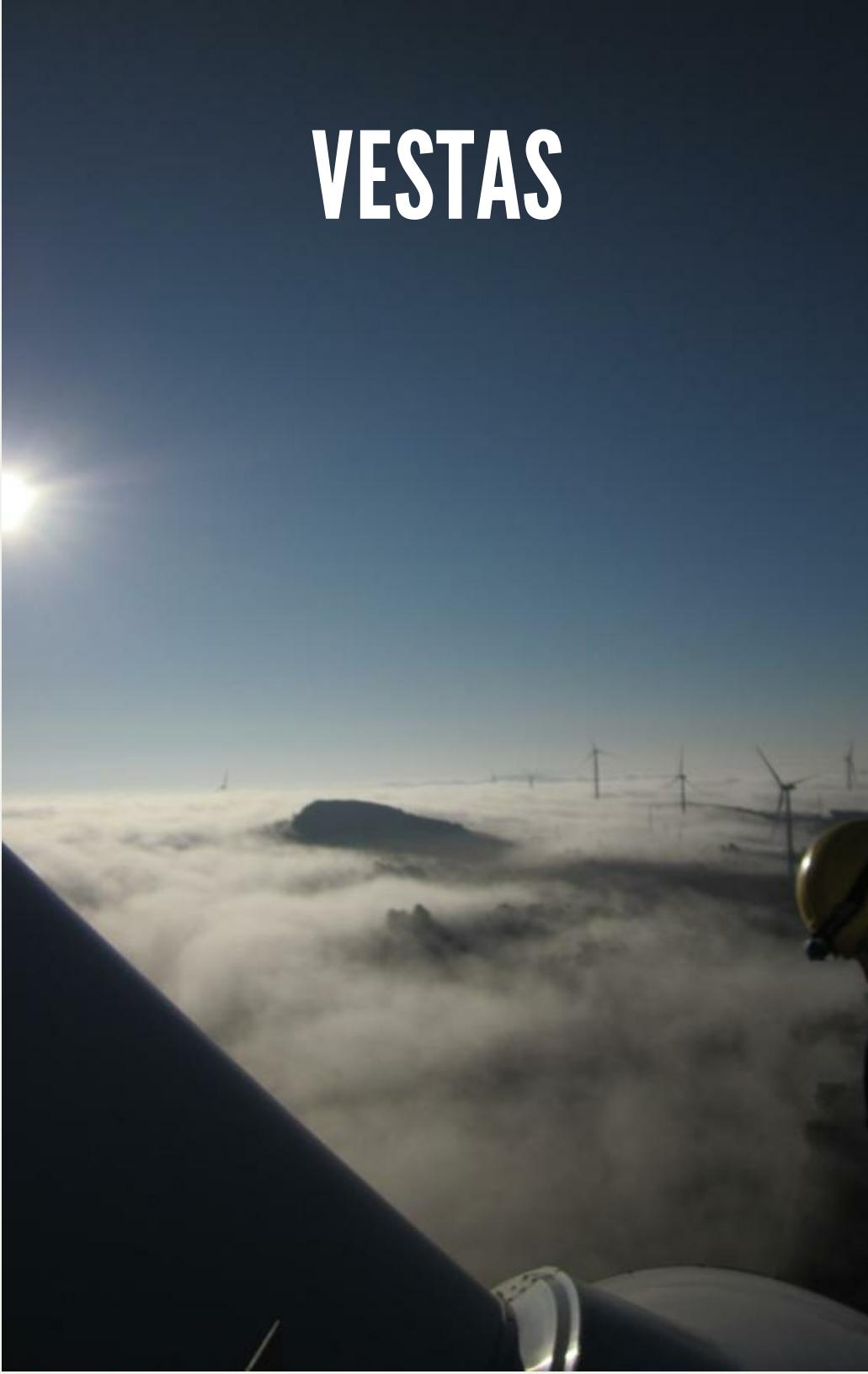
SIGAN HACIENDO COSAS QUE IMPORTAN



MIT

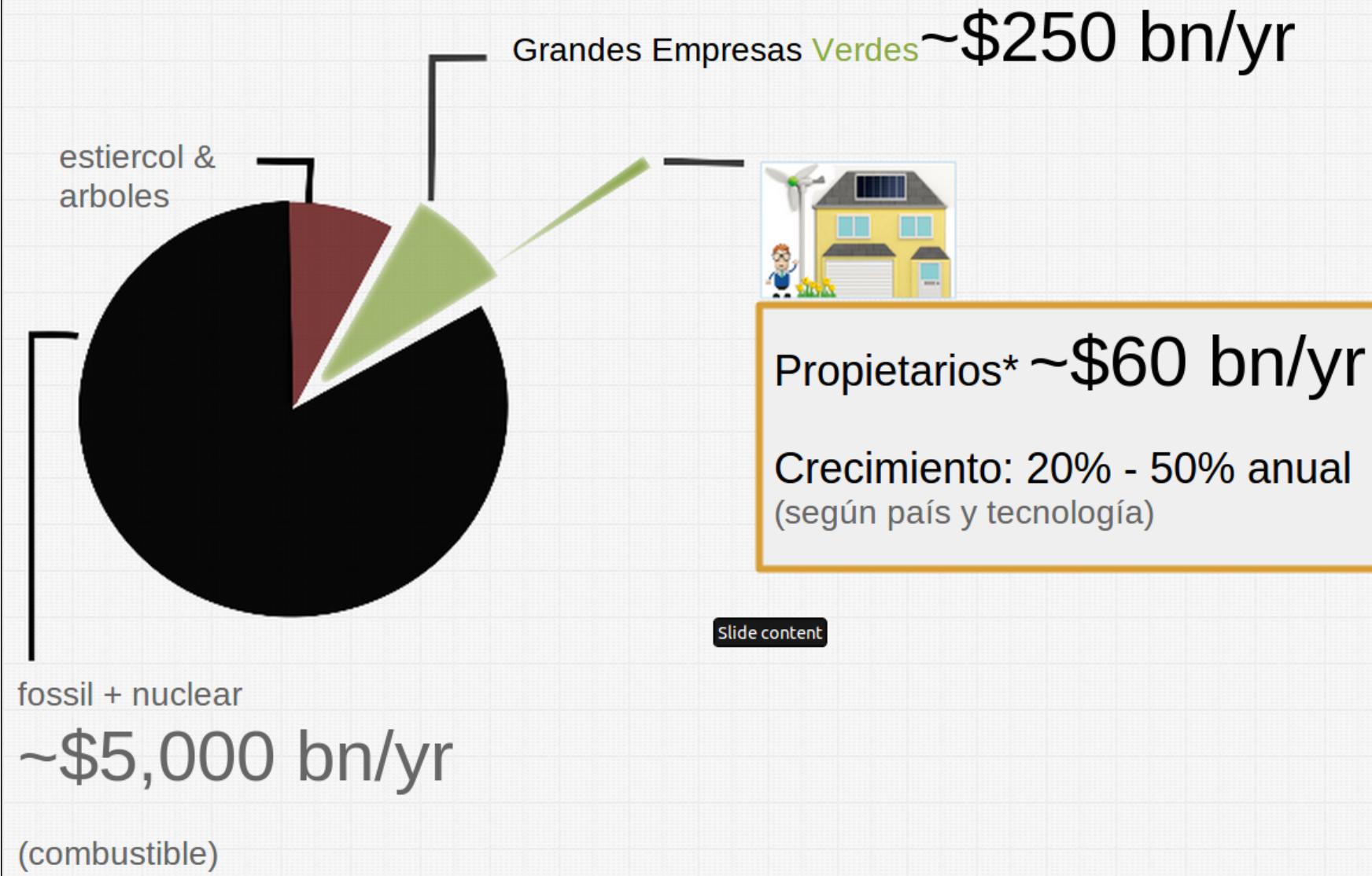


VESTAS





DESARROLLO WEB (YOUTUBE, TUTORIALES)



Google

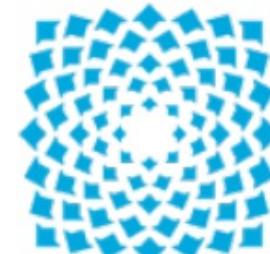


Save energy with renewable

San Francisco, CA

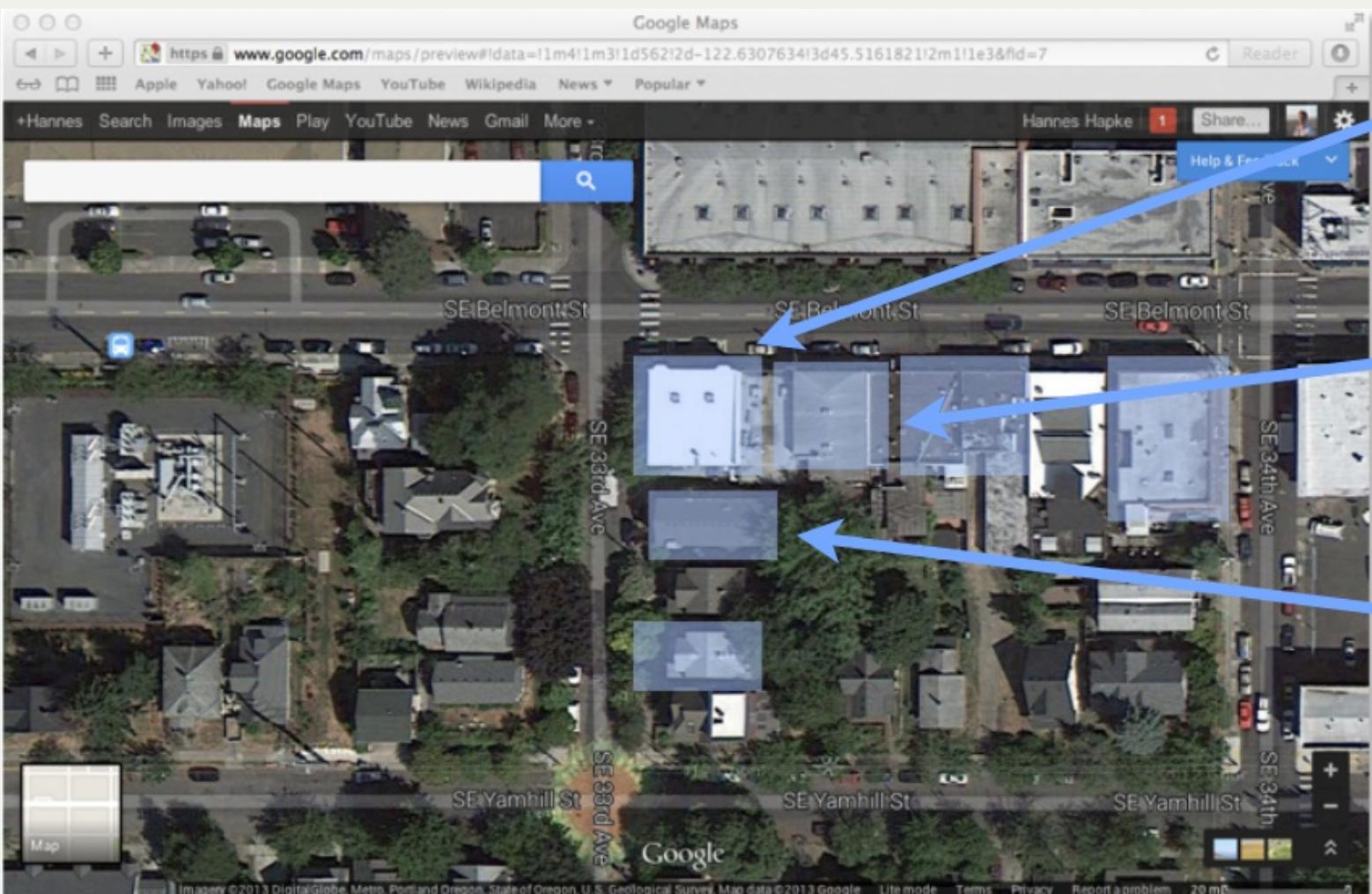
Get started

Zillow.com®



GENABILITY





3301 SE Belmont St

Commercial Building
Solar: save \$200/month
Insulation: \$150/month

3305 SE Belmont St

Commercial Building
Solar: save \$120/month
Insulation: \$100/month

914 SE 33rd St

Residential Building
2 Apartments

Income level known
Solar: save \$150/month
Insulation: \$100/month
Lighting: \$30/months

```
1 # -*- coding: utf-8 -*-
2
3 # python packages
4 # ...
5
6 # Django packages
7 from django.core.urlresolvers import reverse
8 from django.db import models
9 from django.utils.translation import ugettext_lazy as _
10 from django.template.defaultfilters import slugify
11
12 # 3rd party packages
13 # from currencies.models import Currency
14 from easy-thumbnails.fields import ThumbnailerImageField
15 # from django_extensions.db.fields import json # for the power curve too
16 from cities.models import Country
17
18 # renooble 2.0 package
19 from validation import string2list, power_curve_ok
20
21
22 class TechCategory(models.Model):
23     ''' this is sub-categories like Small Wind, Medium Wind,
24     Solar Photovoltaic Panels, etc '''
25
26     CATEGORY_NAMES = (
27         ('enef', _('Energy Efficiency')),
28         ('hgen', _('Heat Generation')),
29         ('egen', _('Electricity Generation')),
30         ('inve', _('Investment')),
31         )
32     category = models.CharField(_('Category'), max_length = 4,
33                                 choices = CATEGORY_NAMES, )
34     name = models.CharField(_('Name of Subcategory'), max_length=50,
35                            help_text =_('What is the name of the subcategory?'),)
36     long_name = models.CharField(_('Name of Subcategory (long name)'), max_length=255,
37                                help_text =_('What is the UNIQUE extended subcategory name?'), unique = True, )
38     slug = models.SlugField(max_length=100,
39                            blank=True, null=True,# voluntary
40                            help_text =_('A descriptive slug for the url. If left empty an automatic one wi
41
42     def save(self, *args, **kwargs):
43         if self.slug is None:
44             self.slug = slugify(self.name)
45         super(TechCategory, self).save(*args, **kwargs)
```

OPORTUNIDAD!

ST>RT-UPCHILE





GRACIAS

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