



FSC

Centro Culturale della Fondazione Collegio San Carlo

Massimiano Bucchi

Scienza e società

La democrazia nell'epoca della tecnoscienza

12 febbraio 2013

diapositive

Seminario di cultura europea

Scienza

Politiche della ricerca e dinamiche sociali

febbraio - marzo 2013



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Scienza e Società
La democrazia nell'epoca
della tecnoscienza

Massimiano Bucchi
Programma Scienza Tecnologia e Società
Università di Trento

Modena
12 febbraio 2013

Scienza come “Gallina dalle uova d’oro”

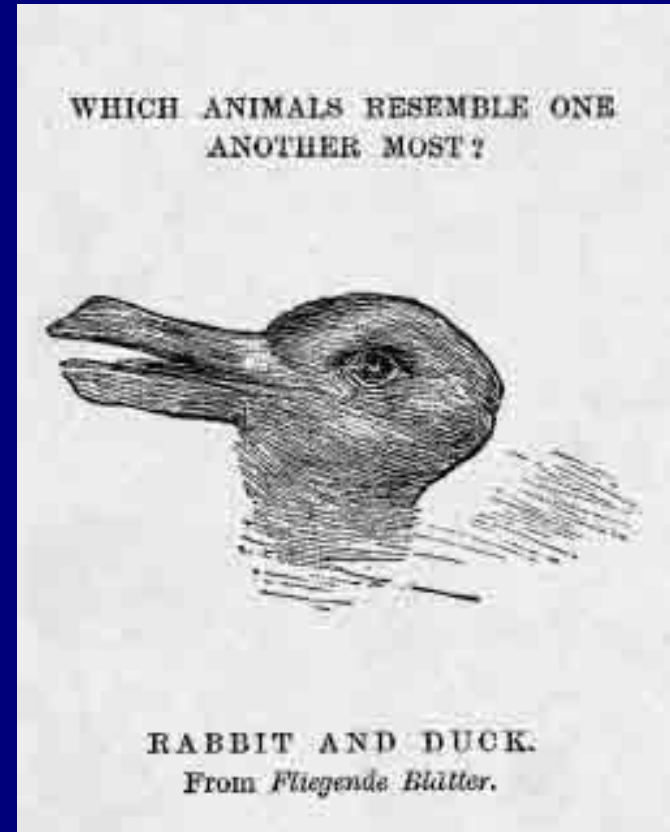
(V. Bush, *Science, the endless frontier: A report to the President*),
1945



Anatre o conigli?

- ☀ “quelle che nel mondo dello scienziato prima della rivoluzione erano anatre, appaiono dopo come conigli”

(T.S. Kuhn, *The Structure of Scientific Revolutions*, 1962, 2nd ed. 1969).



Cani o gatti?

- ★ Se il Parlamento, non importa quanto tempo fa, avesse approvato una legge applicabile ai cani, non potrebbe oggi essere interpretata correttamente come applicabile ai gatti; tuttavia potrebbe essere applicata ad animali che *non erano considerati cani quando la legge fu approvata, ma che sono considerati cani adesso*

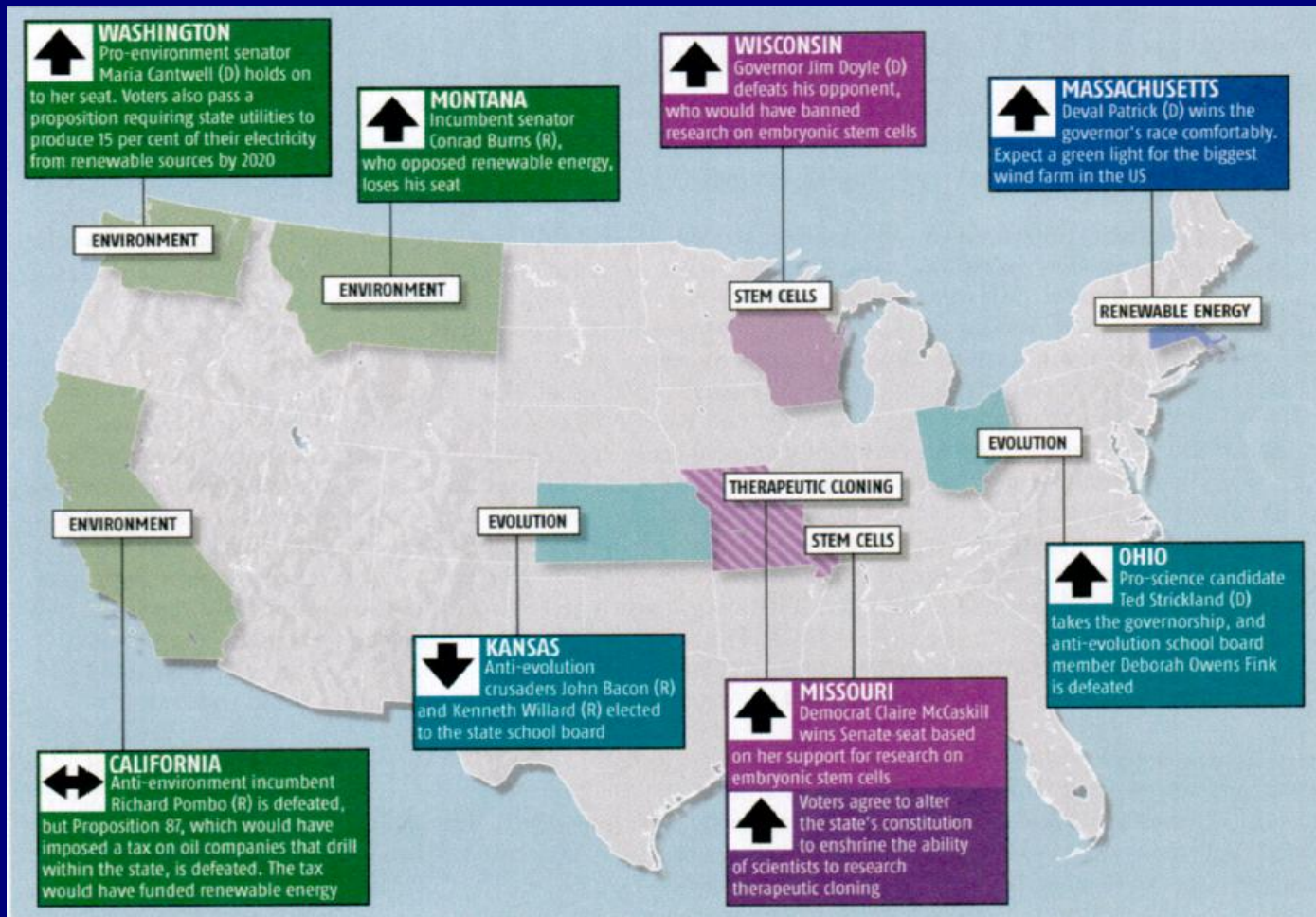
(House of Lords, Regina v. Secretary of State for Health (Respondent) ex parte Quintavalle (on behalf of Prof-Life Alliance) (Appellant, 2003).

Cambiamenti nello status dell'energia nucleare

- ★ Atomic Energy Lab Kit per bambini, commercializzato negli USA tra il 1950 e il 1951 a 49,50\$



Laboratorio degli stati o stati laboratorio?



Tecnoscienza personalizzata?

The image shows a screenshot of the 23andMe website homepage as viewed in a Firefox browser. The browser's address bar shows the URL <https://www.23andme.com>. The page features a navigation menu with links for 'welcome', 'ancestry', 'health', 'how it works', 'store', 'search', and 'help'. A quote at the top reads, "I found the results extremely useful...". The main content area is divided into three sections: 'Ancestry' (Connect to your past.), 'Health' (Learn for the present.), and 'Research' (Participate for the future.). A central image shows an open '23andMe DNA Spit Kit' with a white interior and a green base. Text on the kit reads: "23andMe is a DNA analysis service that helps you explore your DNA. A little bit of spit is all it takes to start your journey." To the right, a large pink button says 'Add to Cart' with the price '\$299 was \$399' displayed above it.

Firefox Genetic Testing for Health, Disease & An... +

https://www.23andme.com

Più visitati Come iniziare Ultime notizie http://www.google.it/ Segnalibri

23andMe

sign in register kit 0

welcome ancestry health how it works store search help

"I found the results extremely useful..."

Ancestry
Connect to your past.

Health
Learn for the present.

Research
Participate for the future.

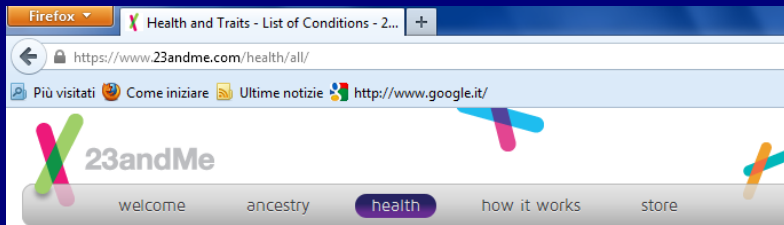
23andMe is a DNA analysis service that helps you explore your DNA.
A little bit of spit is all it takes to start your journey.

23andMe DNA Spit Kit

Improve your life.
\$299 was \$399

Add to Cart

Tecnoscienza personalizzata?



health reports: complete list

The 23andMe service includes genetic analysis on all of the following diseases and conditions. This list grows every month as new research is published.

* Established Research Reports

Established Research reports give you information about conditions and traits for which there are genetic associations supported by multiple, large, peer-reviewed studies. Because these associations are widely regarded as reliable, we use them to develop quantitative estimates and explanations of what they mean for you.

Preliminary Research Reports

Preliminary Research reports are based on peer-reviewed, published research where the findings still need to be confirmed by the scientific community. They also include topics where there may be contradictory evidence. Topics may move from Preliminary Research to Established Research when and if sufficient follow-up studies are performed. New discoveries in genetics are being published all the time and we strive to keep our customers updated with the latest information on genetics and health.

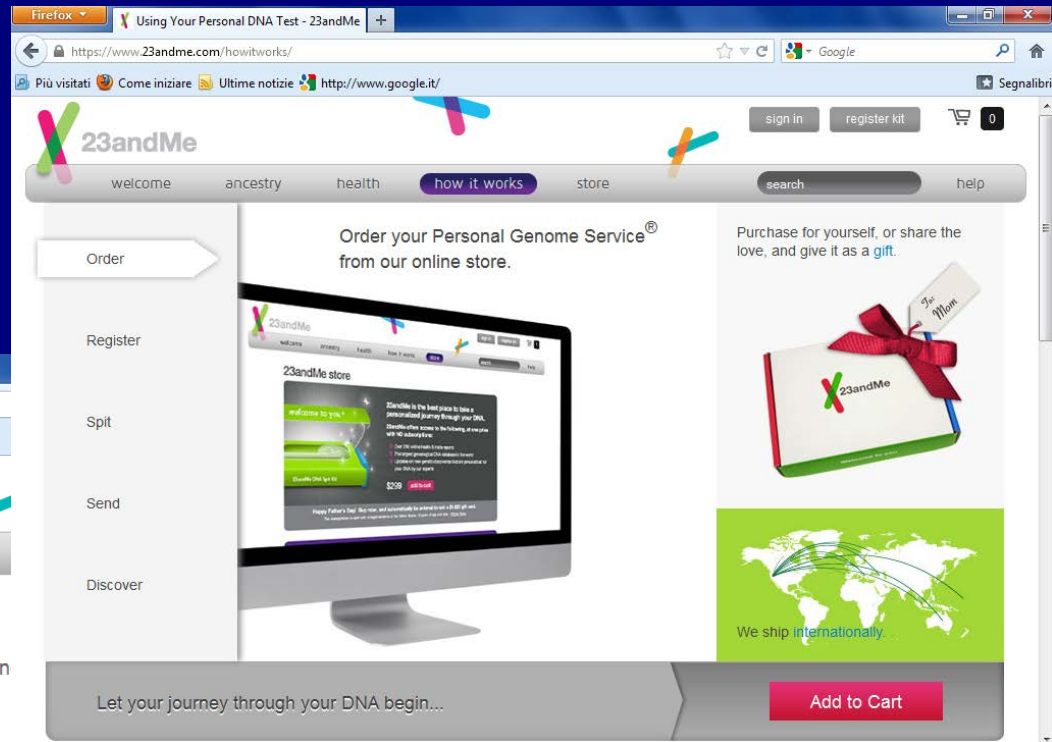
[View reports by ethnicity](#)

Carrier Status (48)

ARSACS *
Agenesis of the Corpus Callosum with Peripheral Neuropathy (ACCPN) *
Alpha-1 Antitrypsin Deficiency *
Autosomal Recessive Polycystic Kidney Disease *
BRCA Cancer Mutations (Selected) *

Disease Risk (118)

Abdominal Aortic Aneurysm
Age-related Macular Degeneration *
Alcohol Dependence
Alopecia Areata
Alzheimer's Disease *
Ankylosing Spondylitis



Scienza come questione di 'gusti' e preferenze individuali?



Facebook | The Coalition that Knows that Pluto is Really a Planet - Mozilla Firefox

File Modifica Visualizza Cronologia Segnalibri Strumenti Aiuto

http://it-ph.facebook.com/group.php?gid=22078231658&w=wall

Più visitati Come iniziare Ultime notizie http://www.google.it

LIBRI - solving; lakatos proofs facebook | the Coalition that Knows that Pluto is Really a Planet

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The Coalition that Knows that Pluto is Really a Planet

Battuta Info Foto Discussioni

Ali McMillan Definitions are relative, if we say it's a planet, it's a planet.
1 dicembre 2008 alle ore 20:43 · Contrassegna

Alexandra Nikolayevich To Amanda Arltzberger:
And in Astrology it doesn't matter if cosmic object is called star or moon, satellite, asteroid, planet, dwarf planet, it just matters that is there and it has certain symbolism, it "works" anyway, it doesn't matter what astronomers call it.) Astrologers use asteroids as well, certain mathematical p...
Mostra tutto
29 luglio 2008 alle ore 21:50 · Contrassegna

Alexandra Nikolayevich To Amanda Arltzberger:
Astrology goes like this: It is geocentric system, it means Earth is in the middle, and the Zodiac belt to around it. Zodiac belt consists 12 Signo, and there are 10 main objects, in Astrology called all planets, only for the purpose of simplifying and easier learning and understanding, even through...
Mostra tutto
29 luglio 2008 alle ore 21:46 · Contrassegna

Shiv Medrick Ah Pluto, you're always in my heart.
Without you, there are no PIZZAS *sob*
6 giugno 2007 alle ore 8:58 · Contrassegna

Eric Woodruff Christ on a cracker! This group took off Abby!
3 gennaio 2007 alle ore 6:37 · Contrassegna

Informazioni
Categoria: Interessi Comuni - Scienza
Descrizione: For all of us who grew up learning the mnemonic device:
My Very Educated Mother Just Served Us Nine Pizzas
...With no Pluto, there's no pizzas. Let's get serious.
Tipo di privacy: Aperto: i contenuti sono visibili a tutti.

Amministratori
Abbey Roy (Kent State) (fondatore)

Crea un'iscrizione

Härborttagning för män

Just nu får du 20% rabatt på permanent härborttagning hos ACN Laserlink!

Magnum Gold

Ladda upp din bild och bli en del av Benicio del Torns nya nätverk

Grundkurs klippklätning

Chat (0)

Completato

Scienza come questione di 'gusti' e preferenze individuali?

THE  **TIMES**

Published: August 25, 2006

Pluto cut down to size by astronomers' dwarf ruling

By Nigel Hawkes



Quale comunicazione, per quale scienza?

“Few challenges facing America and the world are more urgent than combating climate change. The science is beyond dispute and the facts are clear.”

—PRESIDENT-ELECT BARACK OBAMA, NOVEMBER 19, 2008

With all due respect Mr. President, that is not true.

We, the undersigned scientists, maintain that the case for alarm regarding climate change is grossly overstated. Surface temperature changes over the past century have been episodic and modest and there has been no net global warming for over a decade now.^{1,2} After controlling for population growth and property values, there has been no increase in damages from severe weather-related events.³ The computer models forecasting rapid temperature change abjectly fail to explain recent climate behavior.⁴ Mr. President, your characterization of the scientific facts regarding climate change and the degree of certainty informing the scientific debate is simply incorrect.

- | | | | |
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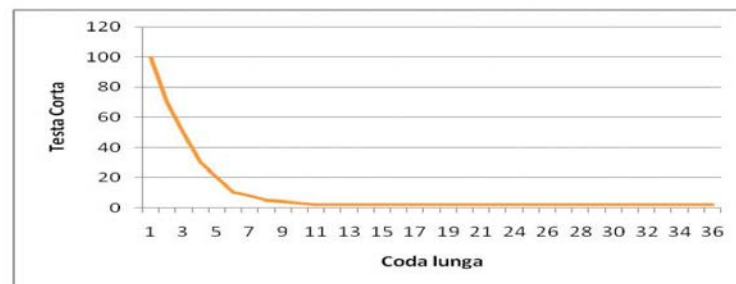


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¹ Solomon, S., et al., *Journal of Geophysical Research*, 2009, DOI: 10.1029/2008JD131702.
² Parker, D. D., et al., *Journal of Applied Meteorology and Climatology*, 2009, DOI: 10.1175/JAM200811484.
³ Douglas, D. W., et al., *International Journal of Climatology*, 2007, DOI: 10.1002/joc.1410.

Ancora animali? La coda lunga dell'expertise scientifico..

- Il numero stimato di ricercatori nel mondo è cresciuto da circa 4 milioni nel 1995 a circa 5.7 milioni nel 2007
- Il numero di articoli scientifici pubblicato in un gruppo di riviste internazionali peer reviewed è cresciuto da circa 460,000 nel 1988 a una stima di 760,000 nel 2008. (NSF, 2010)



Per continuare la discussione..

- ☀ www.soc.unitn.it/sus/mb.htm
- ☀ massimianobucchi.nova100.ilsole24ore.com/
- ☀ www.observa.it

