



e-Planning Core

ICT & Ethics

The Challenge Privacy & Liberties vs. Efficiency & Security

Netiquette - Ethics in e-Planning

2008-2021

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Joint PhD Program on e-Planning

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Science & Technology

Neutrality

Is Science Neutral?

Is Technology Neutral?



Science & Technology

Neutrality

As scientists, we must consider both scenarios...

- **technology is neutral**

(citizens can use it with equal ease in one or other agenda, to obtain a different goal / result)

- **technology is NOT neutral**

(citizens can use it with more ease towards a certain goal, rather than its opposite; technology conditions the user and the result)

... because we find ample evidence of both.





Science & Technology

Neutrality

**Boom Chicago of Amsterdam
made the following video in
anticipation of technological
advances in US elections.**

**It can be seen in our theater
as part of our show
'Mr. America Contest'
or in voting booths
across Florida Nov. 2, 2004...**



Information Science & Technology

ICT Neutrality?

- Hard plastic shrapnel at MIT
 - Bertaud and Business ICT
 - OLPC 100 USD computer
 - it's the upload, stupid
 - Internet: WWW vs. Facebook
 - Internet: throttling



Information Technology

Rational Science Neutrality?



Lawrence H Summers

World Bank Chief Economist and Vice-President (1991-92);

U.S. Treasury Secretary (1999)

Obama's Chief Counselor on Economy Policy (2009)



Information Technology

Rational Science Neutrality?



The Memo (World Bank)

DATE: December 12, 1991

TO: Distribution "FR: Lawrence H. Summers"

Subject: GEP

'Dirty' Industries: Just between you and me, shouldn't the World Bank be encouraging MORE migration of the dirty industries to the LDCs ?

LDCs [Less Developed Countries]



Information Technology

Rational Science Neutrality?

'Dirty' Industries: Just between you and me, shouldn't the World Bank be encouraging MORE migration of the dirty industries to the LDCs [Less Developed Countries]?

(...) a given amount of health impairing pollution should be done in the country with the lowest cost, which will be the country with the lowest wages. **I think the economic logic behind dumping a load of toxic waste in the lowest wage country is impeccable** and we should face up to that.(...)

I've always thought that under-populated countries in Africa are vastly UNDER-polluted, their air quality is probably vastly inefficiently low compared to Los Angeles or Mexico City. Only the lamentable facts that so much pollution is generated by non-tradable industries (transport, electrical generation) and that **the unit transport costs of solid waste are so high** prevent world welfare enhancing trade in air pollution and waste.(...)

Clearly trade in goods that embody aesthetic pollution concerns could be welfare enhancing. **While production is mobile the consumption of pretty air is a non-tradable.**



Communication Ethics

Common Sense or New Rules ?



Communication Ethics

Privacy & Efficiency

- Proibição Constitucional do N. N. U.
 - Porquê?
 - Outros exemplos
- Cartão do Cidadão e N.N.U.
- Cruzar dados: Velhos e Novos desafios



Communication Ethics

Privacy & Efficiency

Artigo 35.º
(Utilização da informática)

Constituição da República de Portugal

1. Todos os cidadãos têm o direito de acesso aos dados informatizados que lhes digam respeito, podendo exigir a sua rectificação e actualização, e o direito de conhecer a finalidade a que se destinam, nos termos da lei.
2. A lei define o conceito de dados pessoais, bem como as condições aplicáveis ao seu tratamento automatizado, conexão, transmissão e utilização, e garante a sua protecção, designadamente através de entidade administrativa independente.
3. A informática não pode ser utilizada para tratamento de dados referentes a convicções filosóficas ou políticas, filiação partidária ou sindical, fé religiosa, vida privada e origem étnica, salvo mediante consentimento expresso do titular, autorização prevista por lei com garantias de não discriminação ou para processamento de dados estatísticos não individualmente identificáveis.
4. É proibido o acesso a dados pessoais de terceiros, salvo em casos excepcionais previstos na lei.
5. É proibida a atribuição de um número nacional único aos cidadãos.
6. A todos é garantido livre acesso às redes informáticas de uso público, definindo a lei o regime aplicável aos fluxos de dados transfronteiras e as formas adequadas de protecção de dados pessoais e de outros cuja salvaguarda se justifique por razões de interesse nacional.
7. Os dados pessoais constantes de ficheiros manuais gozam de protecção idêntica à prevista nos números anteriores, nos termos da lei.



Communication Ethics

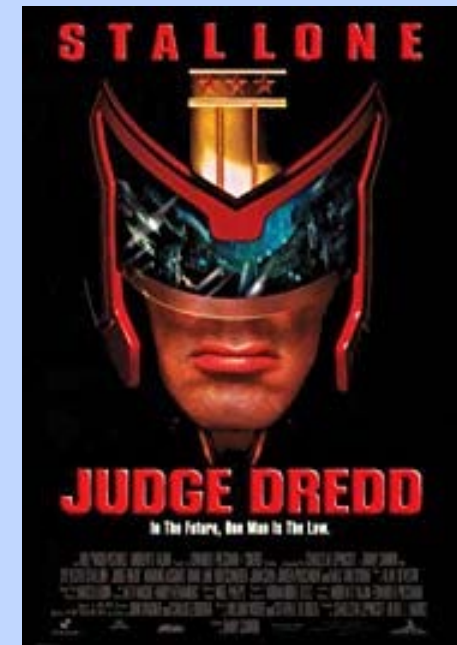
Privacy & Efficiency

Judge Dredd

Separate Arrest power
from Trial power... Why?

Separate Militar police from
Civil police... Why?

Divide Secrete Services
(Intelligence agencies)
eg. FBI vs CIA Jurisdictions... Why?



Built-in inefficiencies - checks and balances



Communication Ethics

Privacy & Security

- From package inspection (DPI) to censorship
- **The ad-based business model and user profiling**
- Hackers and zombies - spam, phishing
- **Hackers and cyberattacks - DDOS**
- Software that “phones home”
- **Closed eco-systems - Apple & Google examples**



Privacy & Freedoms vs Efficiency & Security

- Unique Identifier & cross-referencing
- Biometric data & signature
- DNA db
- Video & satellite pervasive surveillance
- Geo-Tracking (cells, tolls, etc)
- **Target advertisement & Profiling**



ICT & Ethics

Privacy & Freedoms vs Efficiency & Security

Industry is proud to offer omnipresent, ubiquitous, pervasive and invasive surveillance...





ICT & Ethics

Privacy & Freedoms vs Efficiency & Security

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ICT & Ethics

Privacy & Freedoms vs Efficiency & Security

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ICT & Ethics

Privacy & Freedoms vs Efficiency & Security

Cost of storage enables new strategies of massive surveillance recording

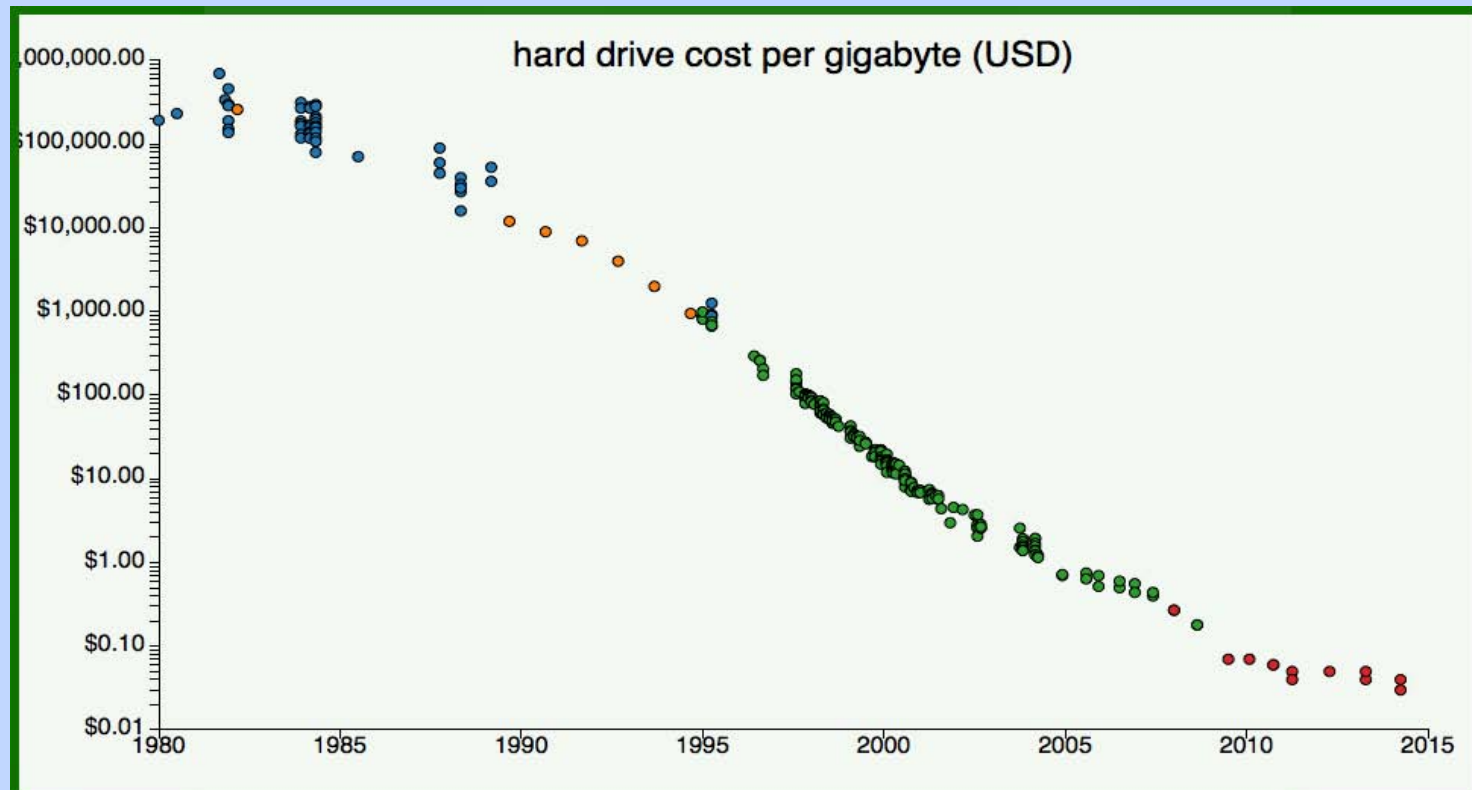


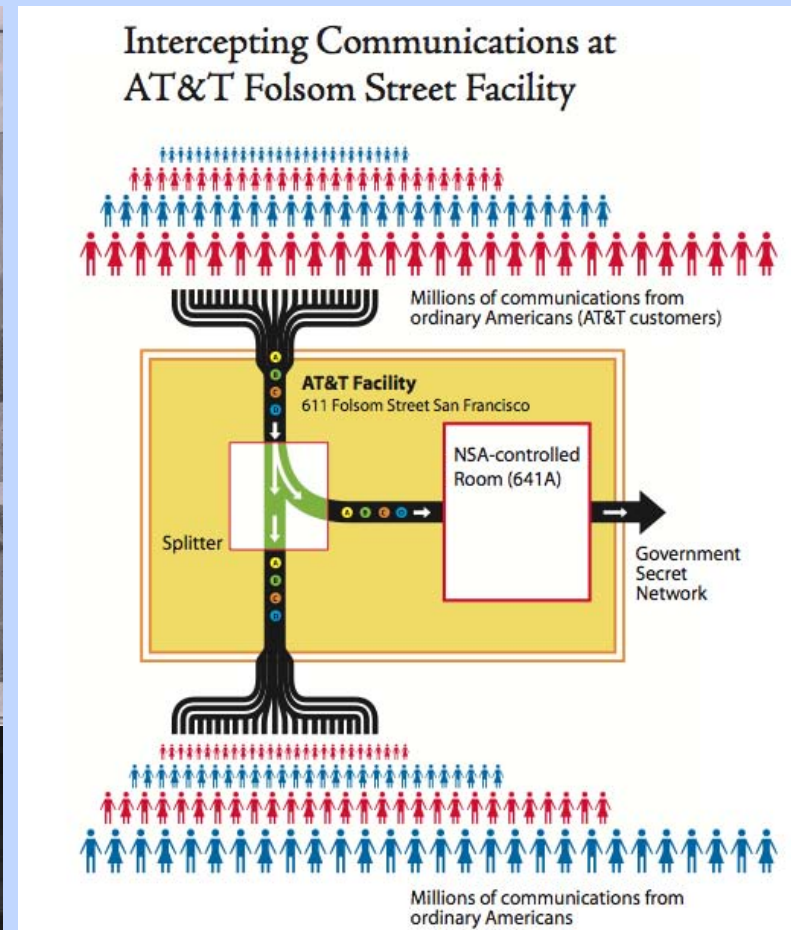
Chart Last Updated: March 9, 2014 - This graph of hard drive cost, plotted on a logarithmic scale, shows the precipitous drop in prices that occurred over 35 years of innovation and increasing demand. Roll your cursor over each datapoint to see more information. Static versions of this image are also available: [small](#), [large](#). Read below for sources.



ICT & Ethics

Privacy & Freedoms vs Efficiency & Security

From
selective
intersection
e.g. Echelon
(left)
To direct,
total
Intersection
e.g. PRISM
(right)



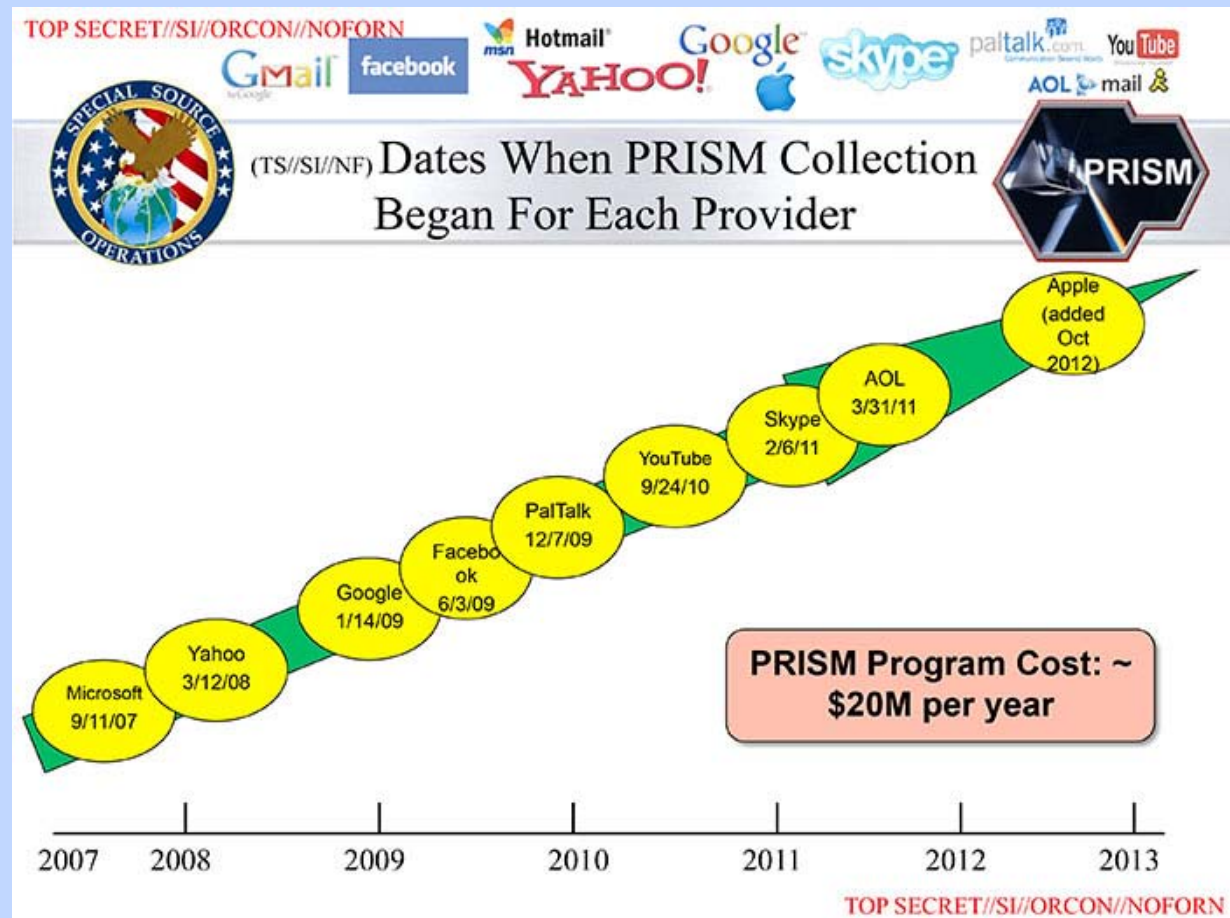


ICT & Ethics

Privacy & Freedoms vs Efficiency & Security

... And don't think it is just ATT...

ALL major ICT providers are participating and HIDING this from citizens and customers





Privacy & Freedoms vs Efficiency & Security

... while government agencies are installing it as a matter of fact - “for your safety”

Don't freak out, but the government records and stores every phone call and email



Evan Dashevsky
@haldash

May 6, 2013 12:45 PM

Is the government recording and listening to your every phone call and probing every email for dangerous ideas? Probably—if certain insiders are to be believed. According to one former FBI agent, the US government may indeed keep a massive database where *all* domestic communications are recorded and stored.

How very *Source Code*.

Every day collection systems at the National Security Agency intercept and store 1.7 billion e-mails, phone calls and other types of communications.

From the transcripts

(<http://transcripts.cnn.com/TRANSCRIPTS/1305/01/ebo.01.html>):

CLEMENTE: ...We certainly have ways in national security investigations to find out exactly what was said in that conversation. It's not necessarily something that the FBI is going to want to present in court, but it may help lead the investigation and/or lead to questioning of her. We certainly can find that out.

BURNETT: So they can actually get that? We can know what people are saying, that is incredible.

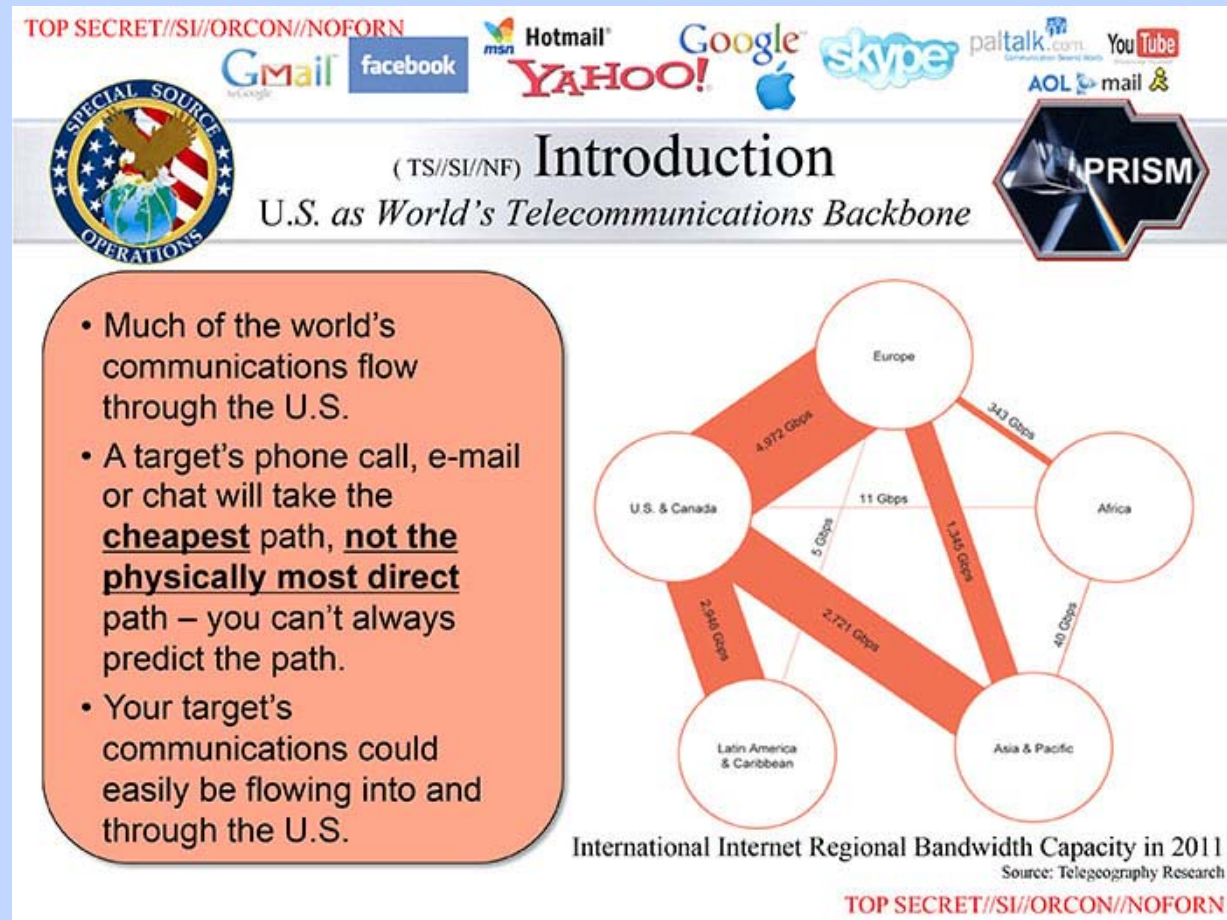
CLEMENTE: ...Welcome to America. All of that stuff is being captured as we speak whether we know it or like it or not.



ICT & Ethics

Privacy & Freedoms vs Efficiency & Security

... while government agencies are installing it as a matter of fact - "for your safety"





ICT & Ethics

Privacy & Freedoms vs Efficiency & Security

... while government agencies are installing it as a matter of fact - “for your safety”

TOP SECRET//SI//ORCON//NOFORN

Hotmail® Google® skype® paltalk.com YouTube AOL mail

facebook

 (TS//SI//NF) **PRISM Collection Details** 

Current Providers

What Will You Receive in Collection (Surveillance and Stored Comms)? It varies by provider. In general:

- Microsoft (Hotmail, etc.)
- Google
- Yahoo!
- Facebook
- PalTalk
- YouTube
- Skype
- AOL
- Apple

- E-mail
- Chat – video, voice
- Videos
- Photos
- Stored data
- VoIP
- File transfers
- Video Conferencing
- Notifications of target activity – logins, etc.
- Online Social Networking details
- **Special Requests**

Complete list and details on PRISM web page:
Go PRISMFAA

TOP SECRET//SI//ORCON//NOFORN



ICT & Ethics

Privacy & Freedoms vs Efficiency & Security

... while USA government agencies have a lead, by no means similar strategies are in place at EU, Russia, China, etc,





Privacy & Freedoms vs Efficiency & Security

Cui Bono? (Cassius maxim)

now, we need also:

Quis custodiet ipsos custodes?



ICT & Ethics

Netiquette

Internet and Web - the Commons

BCBK

be courteous, be kind

DNE

do no evil

BYOC

bring your own contribution

- no SPAM
- good net citizenship
- freedom & rights on the net
- privacy; PRIVACY
- transparency
- accessibility (special needs)
- intellectual virtual property
- preserve heritage
- no SPAM

Policy Issues:

- Cookies
- Advertising
- Pop ups
- Redirects
- Stealth gathering
- Open standards
- Opt in vs. Opt out



Communication Ethics

TIC Project Ethics

- Respect privacy of individuals
 - Anonimato, Níveis de agregação dados
 - Não transmissão/uso de dados sem autorização
- Respect the agenda of institutions
 - Explicitação pontos conflito e de convergência
 - Não transmissão/uso de dados a concorrentes
- Credit sources, respect intellectual property rights
- Declare data treatment & processing (steps & methods)
- No SPAM
 - Opt in vs Opt out
 - Data bases & lists with permission only
 - Protect emails from harvesting (use bcc)
- Voluntary work in projects with added-value / profit
- Overheads in funded projects



ICT & Ethics

ICT & Privacy Research

Gary T. Marx Professor Emeritus of Sociology, M.I.T.
<http://www.garymarx.com/>



Undercover-Police Surveillance in Comparative Perspective
With C. Fijnaut 1995, Kluwer Academic Publishers, Norwell, MA.)

"Privacy in the Millennium" in Millennium Whole Earth Catalog, 1994.

"Some Questions to Ask About Any New Technology," in D. Schuler
(ed.),
Directions and Implications of Advanced Computing, Ablex, 1997.

- "GIS and Privacy", Pedro Ferraz de Abreu and Valerie Aillaud



The "political correctness" ("PC") issue

- emerges from real, neglected social issues
- widely accepted (**or** recognized) social values
- strong social "peer pressure", up to criminalization

"PC" Problems:

- dogmatic views of reality, often elite p.o.v.
- normative thinking, refusal of sound science checks
- hidden corporative agendas, ride on "guilt trip"
- strong resentment causes backlashes to values



ICT & Ethics

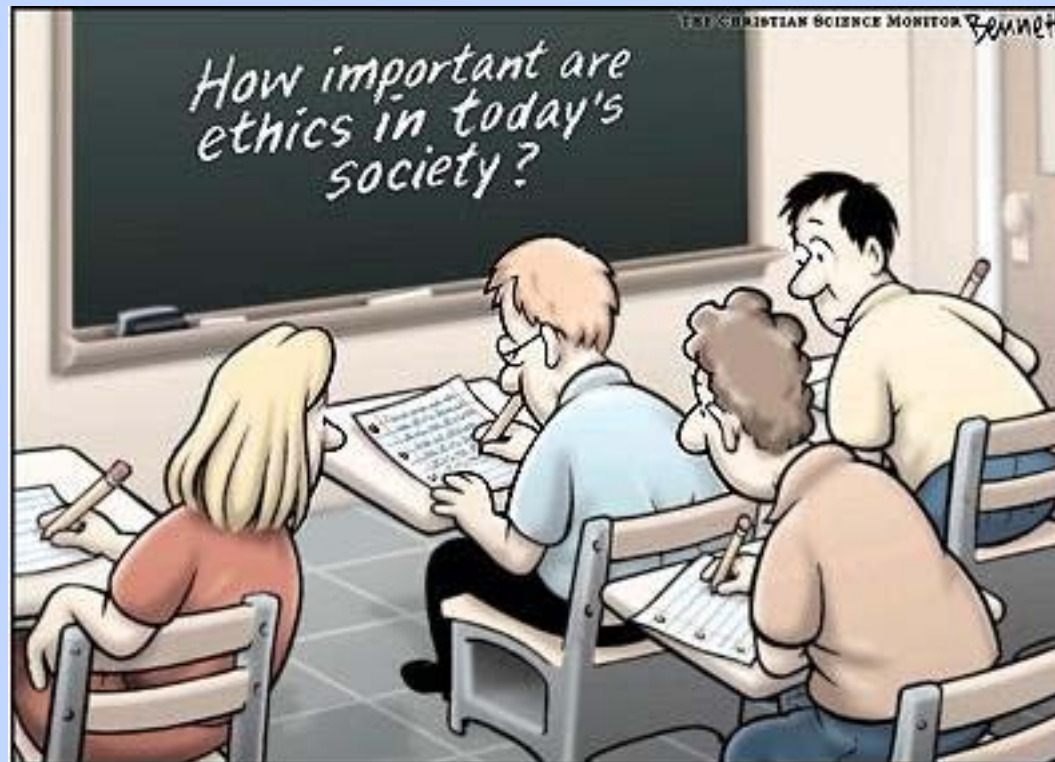
ICT & Research Ethics

- **Dispicency** with rigorous statements
- **Truth matters!** - pseudo-relativism on "truth systems"
- **"Massaging"** (manipulation) of **data** to fit **agendas**
(*advocating* vs *hostile* data methodology)
- **Hidden Axioms / *Petitio Principii***
petitio principii, the fallacy is an attempt to support a claim with a premise that itself presupposes the claim.
- **Plagiarism** (deliberate or negligent-driven)
- **Fake / fraudulent data**



ICT & Ethics

ICT & Research Ethics





MIT-Portugal / e-Planning Agenda

**Doutoramento
e-Planning**

UTL

UNL

UL

UA

Colaboração
MIT-DUSP

e-infrastructure	e-planning knowledge infrastructure
e-government	e-planning for the government of the future
e-governance	e-planning for a new governance
e-city & territory	e-planning for the city of the future
e-citizenship	e-planning for a new citizenship

www.e-planning.org



Participatory Science

CITIDEP PROGRAMS

Citizenship & ICT

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- ICT & participatory science
- ICT & participatory democracy
- ICT, inclusion & cooperation
- ICT, policy & strategy



Laboratórios de Tecnologia para as Ciências Sociais

2007-2012

ISCSP-UTL

www.labtec-cs.net



- TIC e Inclusão,
Literacia, Cooperação

- Cidades Inteligentes,
Coesão & Sistemas
Participativos

- Governança Internet,
Dados Abertos,
Segurança &
Privacidade



**Laboratórios
de Tecnologia
e Sociedade**

2013-2014

FC-UL

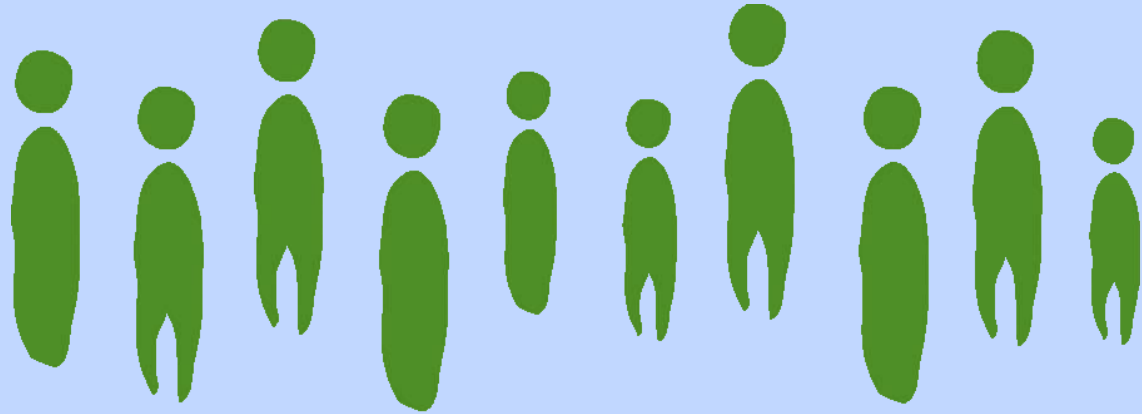
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- TIC e Inclusão,
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Privacidade



Laboratórios de Tecnologia e Sociedade

2015-2019

UA

www.labtec-ts.net

(em fase de proposta)



www.e-planning.org

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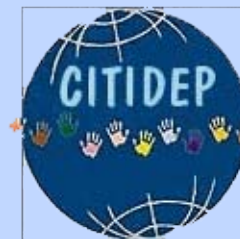
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