



RRI...IoT

Ângela Guimarães Pereira

*Joint
Research
Centre*

RRI riddle

- **Achieve** social or environmental “benefits”
- **Involvement** of society
- **Assessing** and effectively prioritising social, ethical and environmental issues
- Anticipate and govern through **oversight mechanisms**
- **Openness** and **transparency** as integral component of the research and innovation process

Examples

- Medicines
- Energy management
- Materials (asbestos, CFC's...)
- GMO
- ICT
- Geo-engineeringS
- Etc...

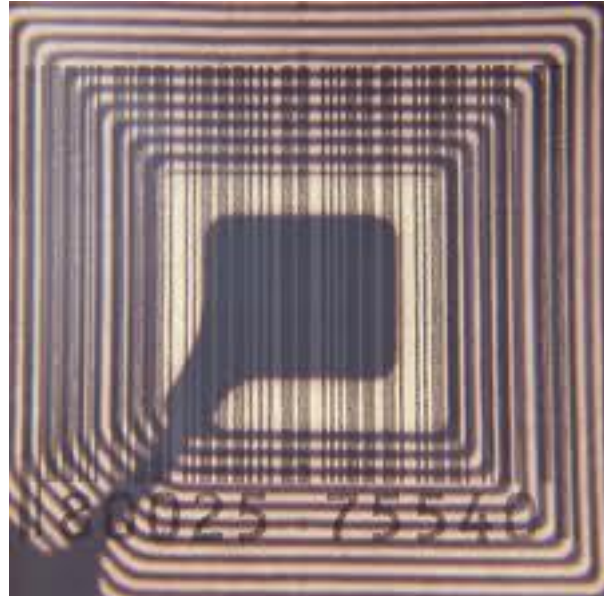
Optimistic instances

- UK nanomedicine public dialogue 2008
- German NanoKommission 2008
- Netherlands responsible Innovation project (MVI) 2008
- European Code of Conduct for Responsible Nanosciences and Nanotechnologies Research – EC
- “Hippocratic oath”

Internet of Things

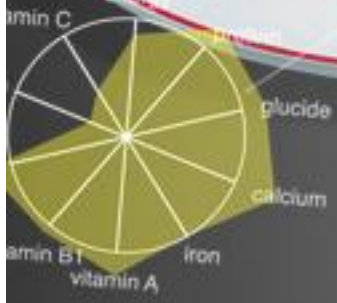
“Things having identities and virtual personalities operating in smart spaces using intelligent interfaces to connect and communicate within social, environmental, and user contexts.”

RFID technology and others



and other types of sensors..

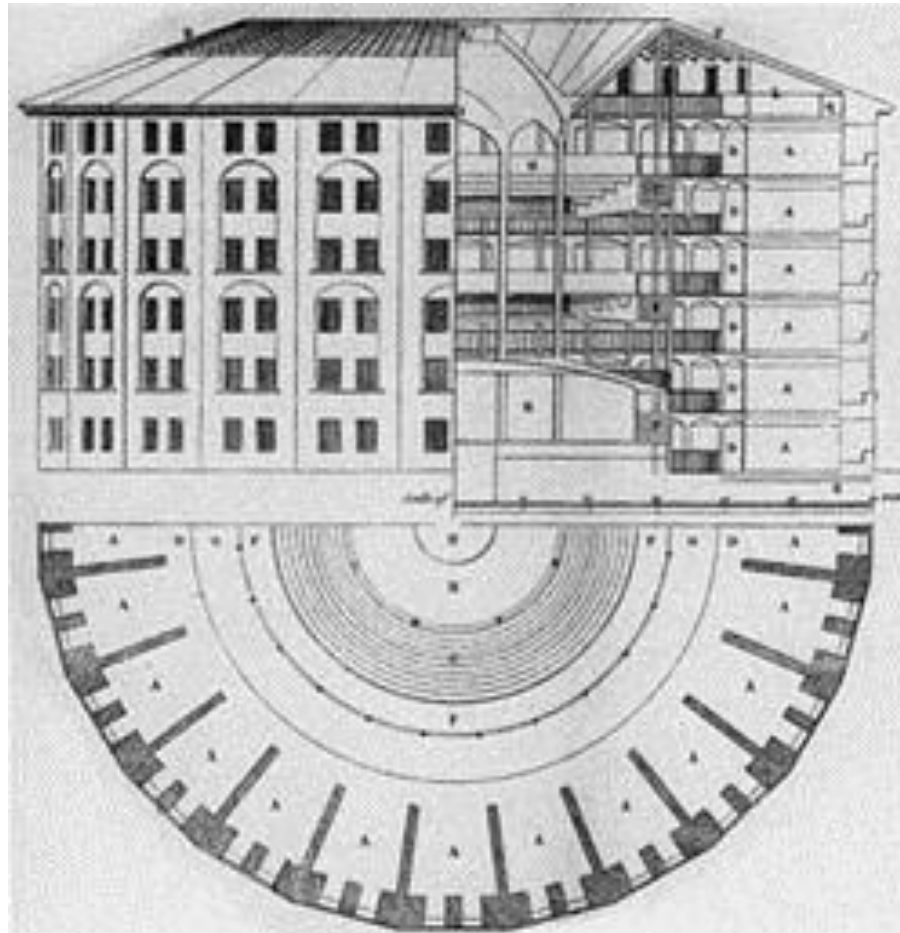




Nutrition Analysis

The human body contains dietary compounds, such as water, carbohydrates (sugar, starch, and fiber), amino acids (or proteins), fatty acids (or lipids), and nucleic acids (DNA/RNA). These compounds, in turn, consist of elements such as carbon, hydrogen, oxygen, nitrogen, phosphorus, calcium, iron, zinc, magnesium, manganese, and so on.

defining features



“smart” ...

- Same kind of narratives – in corporations and also public institutions [IBM and EC]
- The underlying (inevitable?) innovation narrative: we can, need and want to become *smart* enough to keep fulfilling the promises of progress and development in the face of the socio-ecological limits we are bounded to (Benessia 2012)
- Standard imaginaries: wonder, control, power and urgency to be smart... [verbal and imagery]

Amiigo Sensor Knows Exactly What Exercise You're Doing



CIA Chief: We'll Spy on You Through Your Dishwasher



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Wired Magazine, 15/03/2012

IoT initiatives in Europe

- IoT initiative @ the EC:
 - IERC: <http://www.internet-of-things-research.eu>
 - Internet of Things Expert Group (2010-2012)
- Several projects funded mostly focused on the infrastructure but not only
- IoT council: “alternative” scenarios for thinking about IoT:
 - <http://www.theinternetofthings.eu>

Walking through the riddle...

Thank you..

