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Regardless of the moral or ethical implications of the relationships between humans and robots, socially interactive robots will be entering our everyday lives as soon as their abilities are technically feasible for the application in real world contexts

De Graaf, 2016



Is it appropriate to design a robot that is so engaging that people become emotionally attached to it [...]?

And what kind of reactions would we like to prevent?



[...] should attempts to create an illusion of robot sentience [...] would be viewed as both deceptive and unethical?



Es lícit dissenyar dispositius / programes perquè creïn addició i dependència?

Carme Torras, 2018

Are pervasive interactions with a wide array of "robotic others" [...] a **good thing** for human beings?

Melson et al, 2005



Is it ethically acceptable to create a robot that leads children to believe that it has mental states and emotional understanding?

Ferreira & Sequeira, n.d.







There is much to gain from using robots, but **what do we stand to lose?**

Might robots lead to an impoverished learning experience where what is technologically possible is prior-what do we stand to lose?

Belpaeme et al, 2018



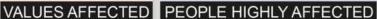
AI & ROBOTICS

Al & robotics will have a significant impact on society, values & human rights

EFFECT ON VALUES & PEOPLE







- Accountability
- Autonomy
- · Equality
- Fairness
- · Human dignity
- Justice
- . Integrity of the person
- Privacy
- · Security
- · Solidarity



- Consumers
- · Disfavoured or 'excluded' people
- · First responders
- · Healthcare providers
- · Inhabitants of poor countries
- Patients
- · Recipients of insurance & social benefits
- · Regulators & policy-makers
- . Tenants (e.g. minority ethnic groups
- · The elderly
- · Workers



POSITIVE

- Improve medical diagnostics
- Advance cybersecurity
- . Improve decision-making via data analysis
- · Enhance healthcare
- · Improve elder care
- Advance language translation
- · Improve voting security
- . Introduce new forms of co-operation & inclusion
- Reduce repetitive tasks

DUAL

- Alter human relations
- Alter legal frameworks
- Alter moral conceptions
- Change understandings of personhood
- Create unintended consequences
- Intensify big data analytics
- Escalate surveillance
- Increase profiling
- Increase leisure



NEGATIVE

- Harm/threat of harm from autonomous weapons
- Loss of control over privacy & personal data
- Bias & discrimination
- Cyberwarfare
- Increase class/wealth domination
- Diminish media pluralism
- Greater energy consumption

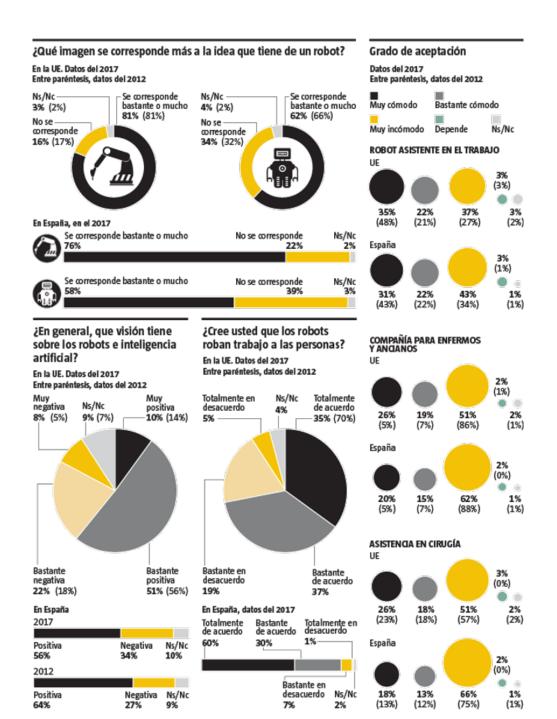




We will help address some of these issues by:

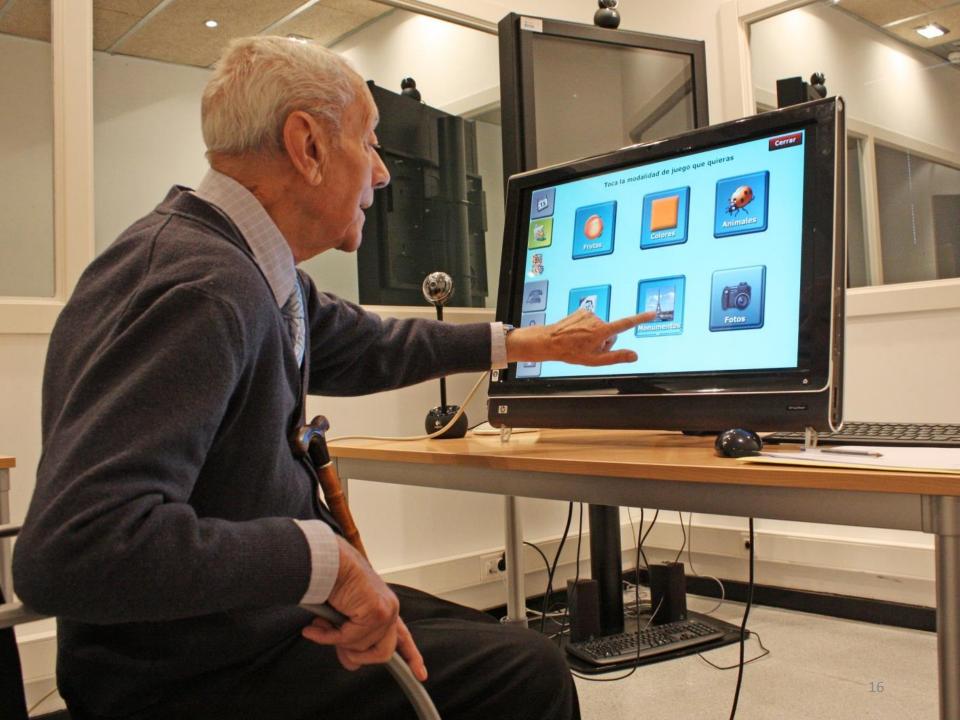
- Reviewing the legal, ethical, social & economic impacts of AI & robotics
- Connecting with citizens to understand concerns via surveys in 11 countries & panels in 5 countries
- . Consulting experts and discussing ethical & human rights issues
- Developing ethical codes & protocols











Awareness Preocupació Compromís