



SSH in ICT-related parts of H2020

***General approach &
ICT-35 (LEIT) and REV-INEQUAL-09 (SC6)***

***Information session on the SSH opportunities in the societal
challenges of H2020, Brussels, January 19***

Nicole Dewandre

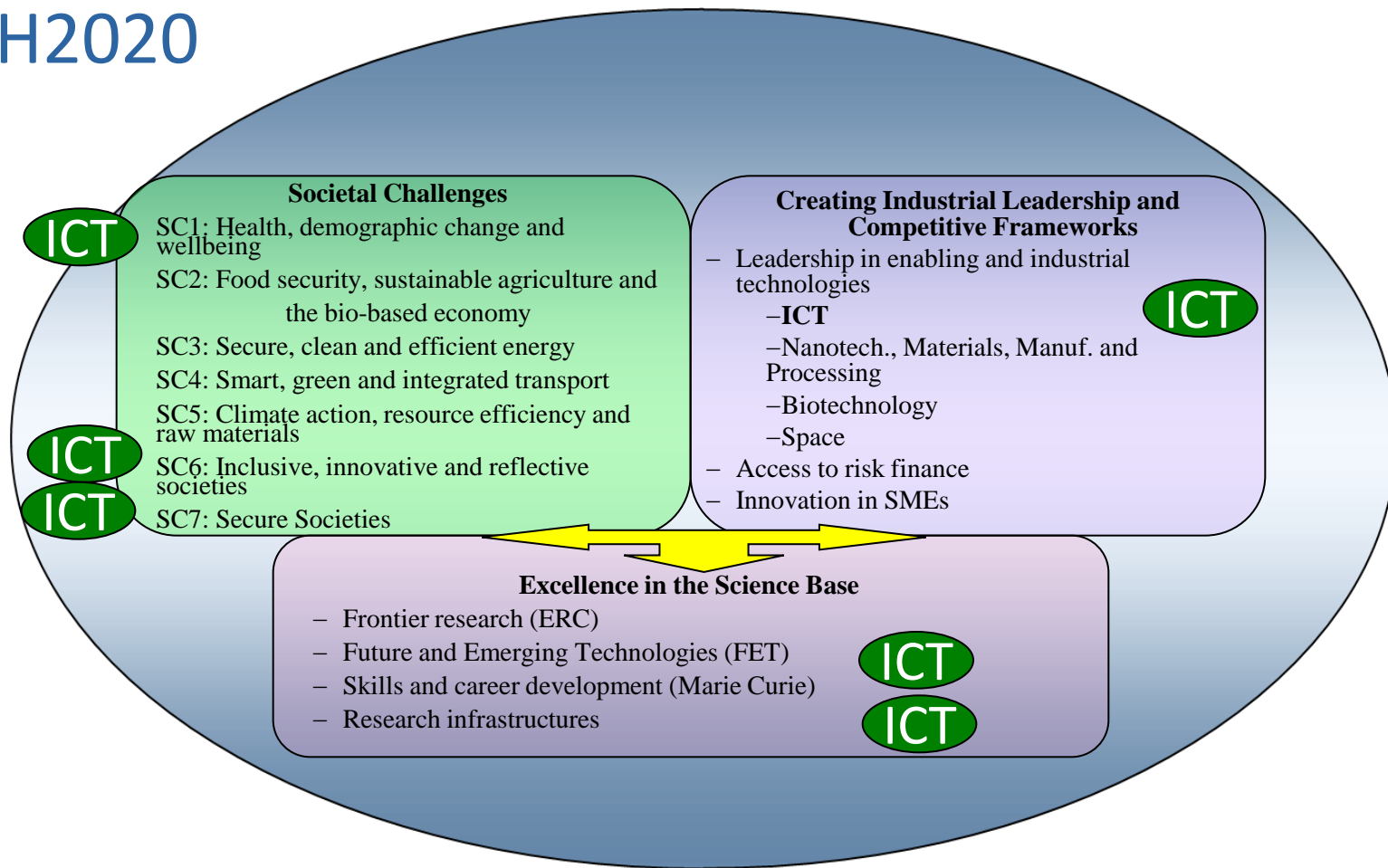
Adviser for Societal issues

DG CONNECT

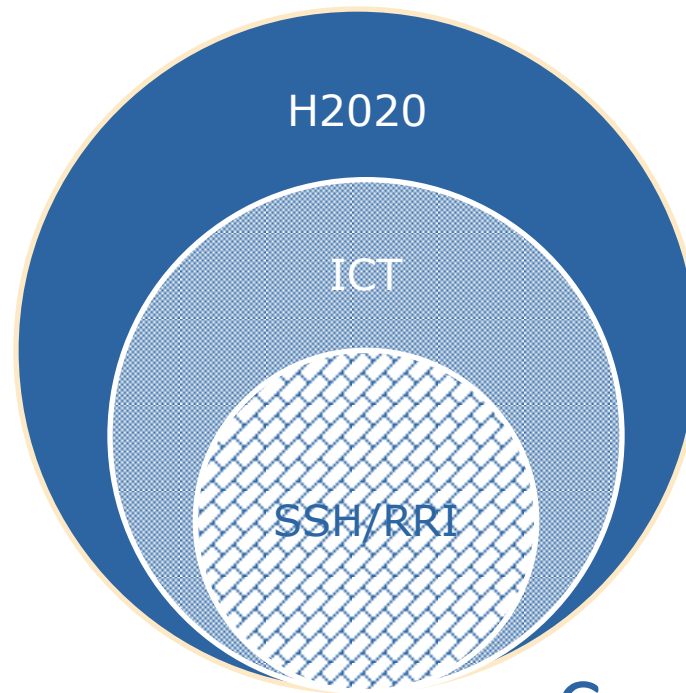
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ICT distributed in H2020



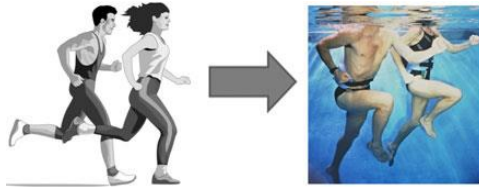
SSH and RRI distributed in ICT...



Curating interactions
is critical!
Smart stewardship...

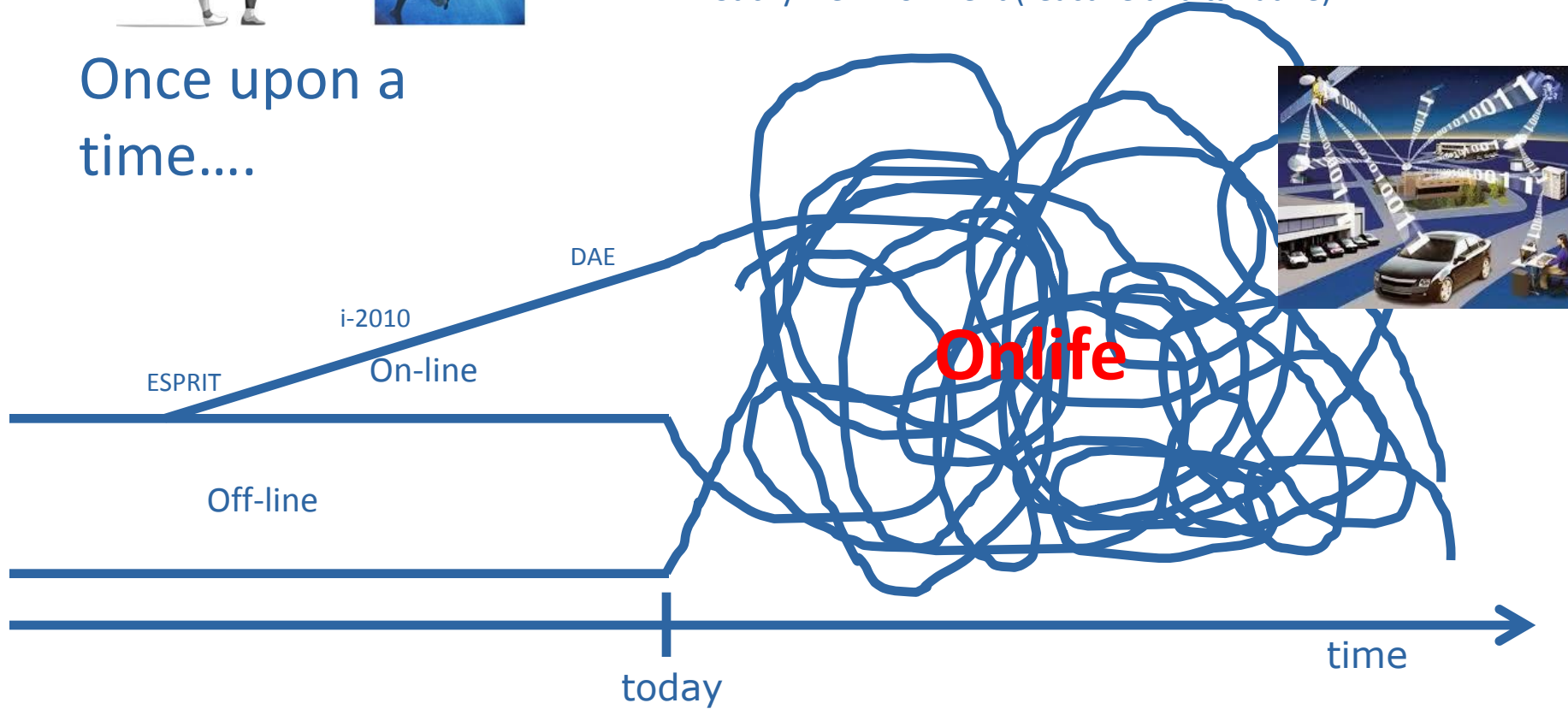


European
Commission

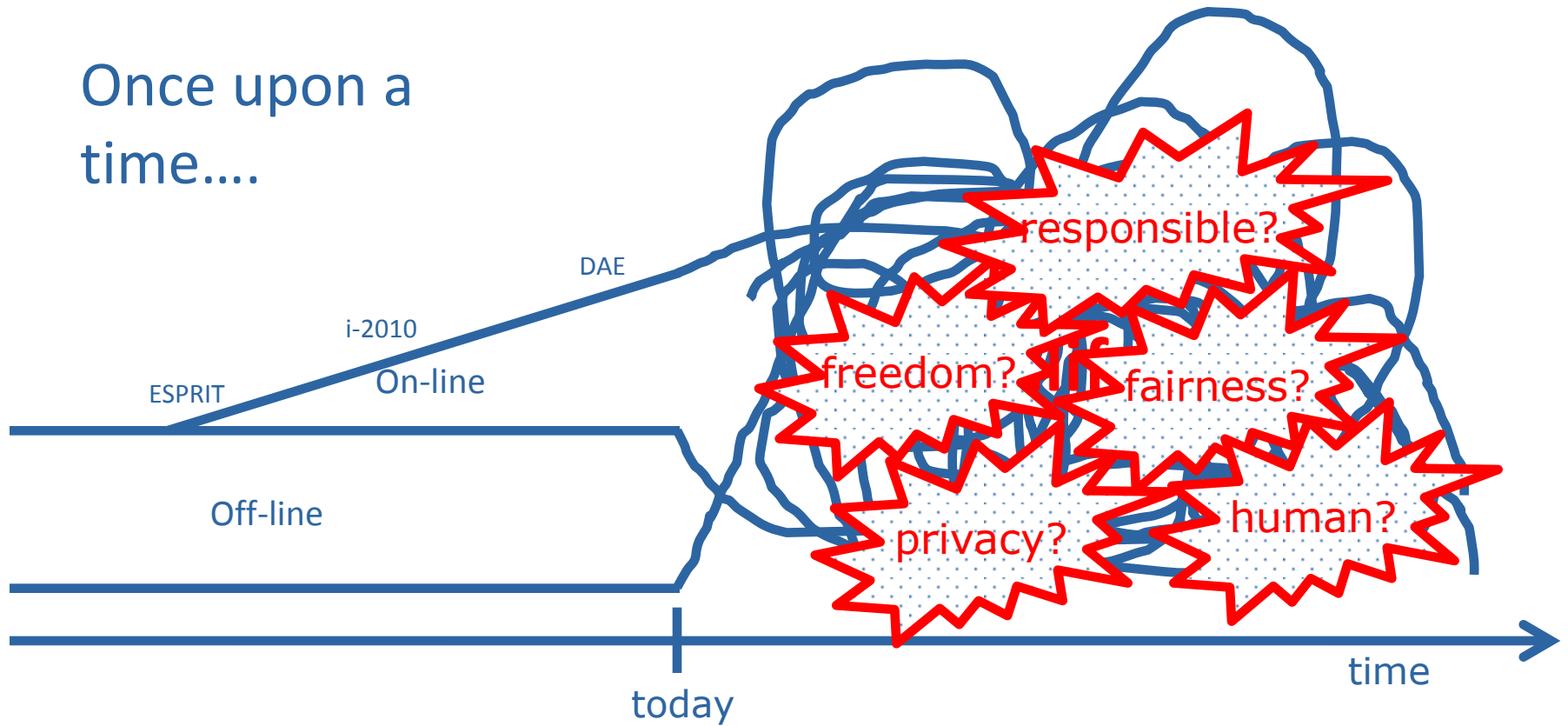


- « Sticky » interactions (social hypergravity)
- « Sticky » environment (reactive and talkative)

Once upon a
time....



Once upon a
time....





- SSH more than "airbags" or "watch dogs" of technological development!
 - **SSH as a source of innovation:** not only problem-solver, but with shaping and redescription power.
- **RRI: critical accompaniment** rather than risk-based.

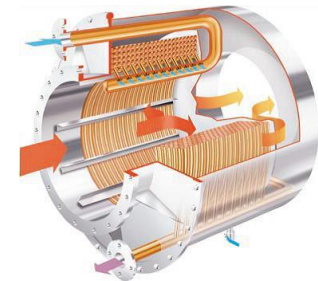


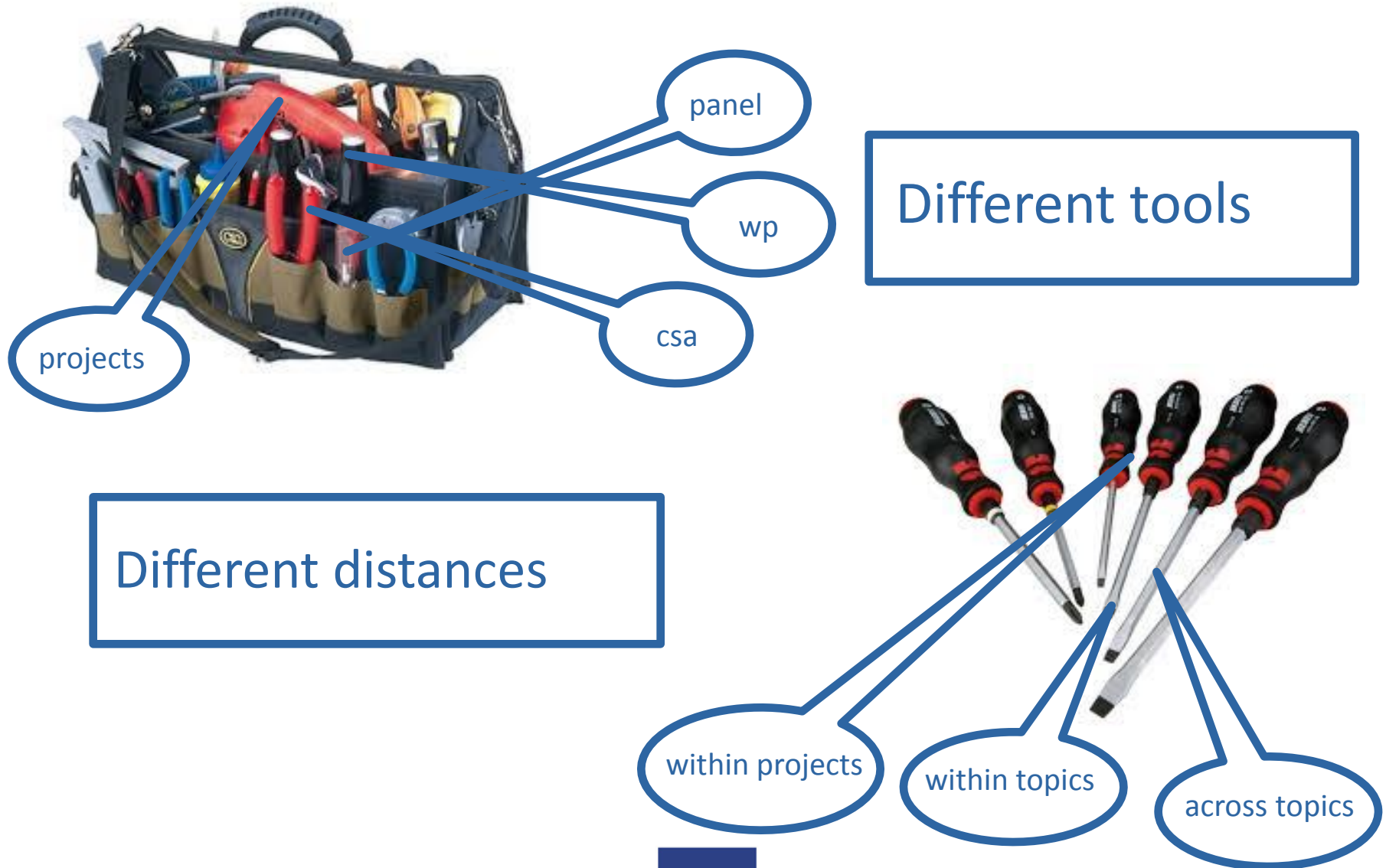
More than
compliance

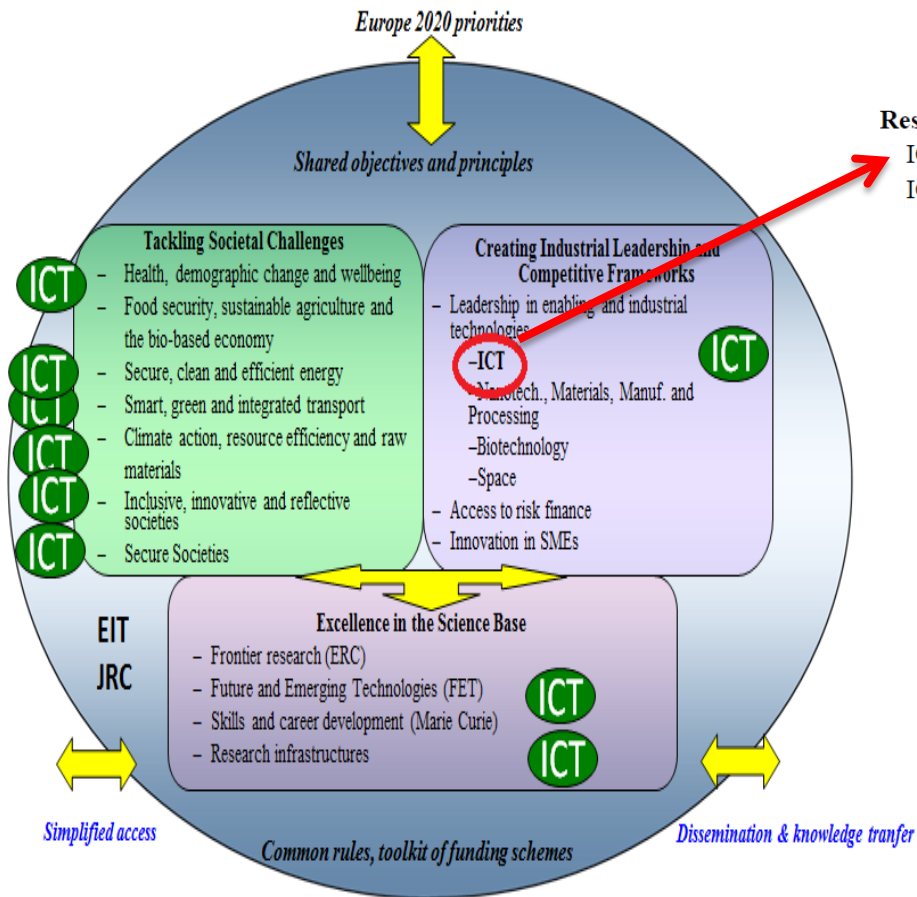
Avoid silos



Encourage (embrace?) interactions







HORIZON 2020 - Work Programme 2016 - 2017 *Information and Communication Technologies*

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Enabling responsible ICT-related R&I

- Fresh look at relationship between SSH and ICT (crit.acc.)
- Direct relevance for ICT R&I (beyond disciplinary boundaries)
- Topic validated in the Feb 2015 workshop
 - Part a) Focus areas
 - Part b) Sister project as pilot
- Topology:
 - 7 million € total
 - Part a) 1-2 million and part b) 300K-500K
 - One action for a) and b)
- "Vision" (with no guarantee/certainty)
 - 4 mio on part A (2-3 projects) and 3 mio on part B (7-10 projects)



Relationality and freedom

"How can we avoid the traps of ICTs ending up in isolating humans behind their screen, or harnessing them in a passive role? In the forthcoming hyperconnected era, it is essential to acknowledge the dual human aspirations for relationships and for freedom, and the dynamic nature of the relationships between humans and artefacts".

Job quality

"What are the conditions for ICT-enabled innovations to generate interesting and rewarding jobs, and reduce the risk of excluding sections of society from the labour market? What economic models can ensure a fair sharing of the created added value?"

page 90 of LEIT ICT WP16-17

- RIAs of 1-2 mio €
- DDL 12/04/16 @17.00

Human-centric?

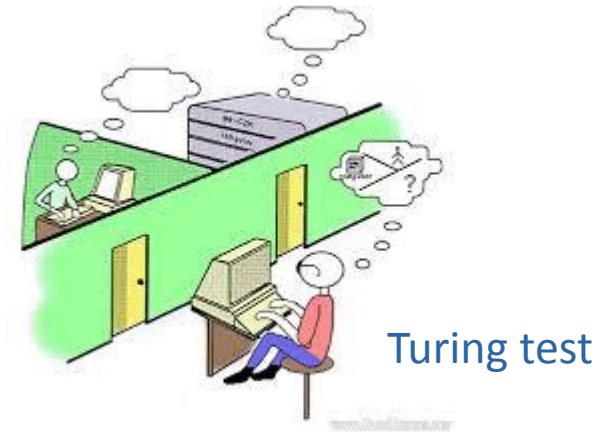


This....

Or this?



Fooling as "proof"?



When?



But....



**Ill-framed
question.
Unveils
a bug in how
we think
about
"humans"!**

Definition of what it is to be human is under stress....

⇒ Post-human?
⇒ Singularity?

Are science fiction, promises
and fears good guides for
responsible behaviour?

Instead of jumping
to the **post-human**...



Worth exploring the concept of a **post-humanistic human!**

Men as **rational subjects**
driven by OO utopia

♂



Humanistic human

♀



Women as nature

♂

♀



Post-humanistic human
is a relational self

Relational self, anchored in plurality (H. Arendt), i.e.:

1. **Equal** (from within, not given, granted)
2. **Unique** (not reducible to attributes)
3. **Relational** (identity and freedom rely on appearing to other selves)

Freedom for rational subjects Freedom for relational selves

- Being in control
- Having the skills
- Being empowered
- Manage own personal data

- Not being controlled
- Being treated fairly
- Not being fooled
- Not being oversolicited in terms of attention

Subtile transition, but price of failing going through it is high !



Spending our time
controlling
we are not controlled

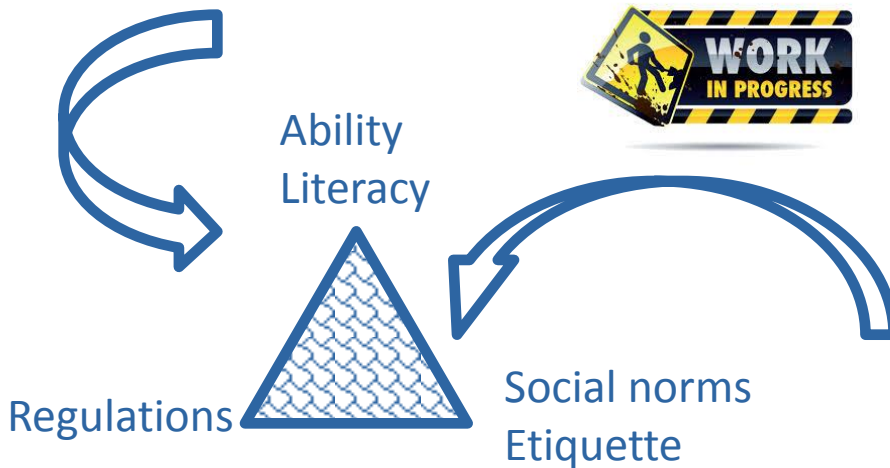
Reply to all
"PLEASE STOP!!!!!!"



Modernity



Transparency and control, as means to ensure fairness to "*rational subjects*"



Hyperconnectivity



Loss of orientation:

- Fear/suspicion of being controlled
- Environment "made up for me"?
- Recognize when recognized?
- Oversolicitation of attention

Trust, as a mean to ensure fairness to "*relational selves*"



- Unveiling implicit biases in ICT-research agendas
- Propose constructive alternative framings
- Foster innovation through widening of imaginaries,
- Provide challenging questions, issues and solutions for LEIT-ICT topic(s) areas.
- Relevance beyond disciplinary boundaries





- NOT the issue of bias in general
- Address specific bias, for example:
 - The use of the word "smart" and "intelligent"
 - The anthropocentric approach to robots and the man-machine relationship
 - The trade-off between privacy and security
 - The "hidden" gender bias
- Interactions with other projects will be organised by CSAs
- RIAs of 300K-500K
- Light project structure
- Pilot
- DDL 12/04/15 @17.00

- [ICT-01-2016: Smart Cyber-Physical Systems](#)
- [**ICT-11-2017: Collective Awareness Platforms for Sustainability and Social Innovation**](#)
- [**ICT-18-2016: Big data PPP: privacy-preserving big data technologies**](#)
- [ICT-19-2017: Media and content convergence](#)
- [ICT-22-2016: Technologies for Learning and Skill](#)
- [ICT-23-2017: Interfaces for accessibility](#)
- [ICT-24-2016: Gaming and gamification](#)
- [ICT-28-2017: Robotics Competition, coordination and support](#)
- [**ICT-35-2016: Enabling responsible ICT-related research and innovation**](#)
- [ICT-36-2016: Boost synergies between artists, creative people and technologists](#)
- [ICT-39-2016-2017: International partnership building in low and middle income countries](#)



- [FETOPEN-01-2016-2017 FET-Open research and innovation actions](#)
- [FETOPEN-02-2016 FET-Open Coordination and support actions](#)
- [FETOPEN-03-2017 FET-Open Coordination and support actions](#)
- [FETOPEN-04-2016-2017 FET Innovation Launchpad](#)
- [FETPROACT-01-2016: FET Proactive: emerging themes and communities](#)



- [SC1-PM-12–2016: PCP - eHealth innovation in empowering the patient](#)
- [SC1-PM-14–2016: EU-Japan cooperation on Novel ICT Robotics based solutions for active and healthy ageing at home or in care facilities](#)
- [SC1-PM-15-2017: Personalised coaching for well-being and care of people as they age](#)
- [SC1-PM-17–2017: Personalised computer models and in-silico systems for well-being](#)
- [SC1-HCO-12–2016: Digital health literacy](#)
- [SC1-HCO-13-2016: Healthcare Workforce IT skills](#)



- [CO-CREATION-04-2017: Applied co-creation to deliver public services](#)
- [CO-CREATION-06-2017: Policy-development in the age of big data: data-driven policy-making, policy-modelling and policy-implementation](#)
- [**REV-INEQUAL-09-2017: Boosting inclusiveness of ICT-enabled research and Innovation**](#)
- [REV-INEQUAL-10-2016: Multi-stakeholder platform for enhancing youth digital opportunities](#)
- [CULT-COOP-08-2016: Virtual museums and social platform on European digital heritage, memory, identity and cultural interaction](#)
- [CULT-COOP-09-2017: European cultural heritage, access and analysis for a richer interpretation of the past](#)
- [CULT-COOP-11-2016/2017: Understanding the transformation of European public administrations](#)



- [DS-01-2016: Assurance and Certification for Trustworthy and Secure ICT systems, services and components](#)
- [DS-02-2016: Cyber Security for SMEs, local public administration and Individuals](#)
- [DS-03-2016: Increasing digital security of health related data on a systemic level](#)
- [DS-04-2016: Economics of Cybersecurity](#)
- [DS-05-2016: EU Cooperation and International Dialogues in Cybersecurity and Privacy Research and Innovation](#)
- [DS-07-2017: Addressing Advanced Cyber Security Threats and Threat Actors](#)
- [DS-08-2017: Privacy, Data Protection, Digital Identities](#)



- [DS-01-2016: Assurance and Certification for Trustworthy and Secure ICT systems, services and components](#)
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- [DS-08-2017: Privacy, Data Protection, Digital Identities](#)



- IoT-01-2016: Large Scale Pilots
- IoT-02-2016: IoT Horizontal activities

SWAFS (managed by DG Research and Innovation)

- *SwafS-22-2017: The ethical dimensions of IT technologies: a European perspective focusing on security and human rights aspects*



Thank you for your attention!

1. Info-Day on RRI-SSH in ICT-related parts of H2020

<http://ec.europa.eu/digital-agenda/en/news/info-day-rri-ssh-ict-related-parts-h2020-wp16-17>

2. Background Note

<https://ec.europa.eu/digital-agenda/en/news/responsible-research-and-innovation-and-social-sciences-and-humanities-ict-related-parts>

3. Breaking barriers, building bridges: a smart approach to multiple disciplinary

<http://ec.europa.eu/digital-agenda/en/news/how-carry-out-multiple-disciplinary-research-effectively>

4. The Onlife Initiative

<http://ec.europa.eu/digital-agenda/en/onlife-initiative>

5. ICT-35

<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/5084-ict-35-2016.html>

6. REV-INEQUAL-9

<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2291-rev-inequal-09-2017.html>

7. nicole.dewandre@ec.europa.eu