

# HUMAINT

**HUman behaviour and MAchine INTelligence** 

WINTER SCHOOL

22-24 January 2020, Seville (Spain)

## Fairness, Accountability of AI

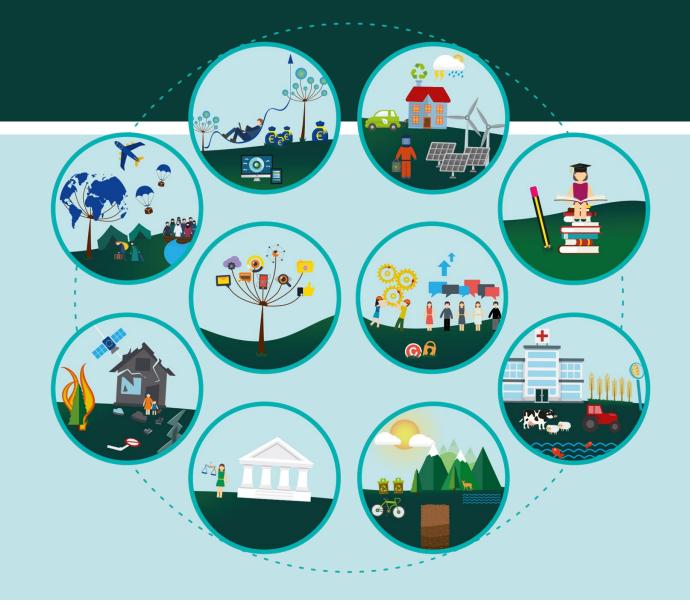
Emilia Gómez, Virginia Dignum Academic coordinators

@emiliagogu, @vdignum #HUMAINT



## Joint Research Centre

- EC's science and knowledge service
- Support EU policies with independent research evidence throughout the whole policy cycle.





## JRC sites

Headquarters in Brussels and research facilities located in **5 Member States:** 

- Belgium (Geel)
- Germany (Karlsruhe)
- Italy (Ispra)
- The Netherlands (Petten)
- Spain (Seville)





## **RESPONSIBLE AI**

We don't do just AI.



## WHAT WE DO

• We are not ethicists! We do not argue on what is *right* or *wrong*.

• We work in the development of methods, formalisms, and tools to understand and mitigate the effects of intelligent systems have into us and our societies.

• We consult of policymakers; e.g. European Commission, IEEE SA, ISO, UK's APPG.





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## IF DON'T KNOW WHERE UMEÅ IS:











# Artificial Intelligence for Europe COM(2018)237

25.04.2018

Being ahead of technological developments and encouraging uptake by the public and private sectors

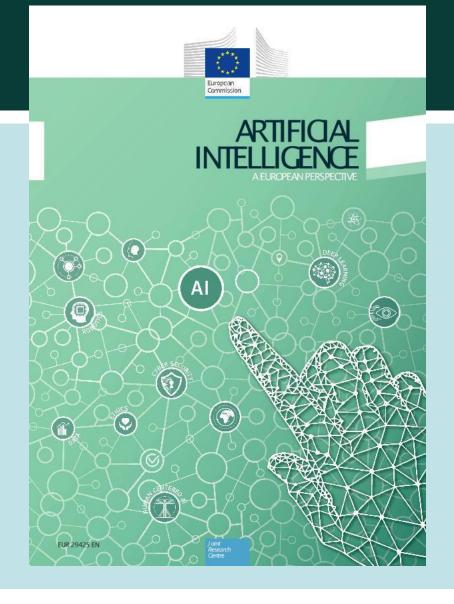
Prepare for socioeconomic changes brought by AI Ensure an appropriate ethical and legal framework

Coordinated plan



## Artificial Intelligence @ JRC

- Transversal project: community of practice, policy support.
- Report
  - About Al
  - EU in the global landscape
  - Al in the EU
  - Ethical and societal perspective
  - Legal perspective
  - Educational perspective
  - Economic perspective
  - Cybersecurity perspective
  - Energy perspective
  - Data perspective
  - Societal resilience perspective





Knowledge for policy

#### Al Watch

Monitor the development, uptake and impact of Artificial Intelligence for Europe



Q	Search
All Online Resource Publication Events News	

#### **Topics**

#### Al for the public sector

Al-enabled solutions can deliver shorter and richer feedback loops for all levels of governance, providing an opportunity to speed up, improve the efficiency and effectiveness of service delivery.

#### Al Landscape and indicators

Al is experiencing a progress, due to se enablers: faster pro amounts of data, at Still lacking official

It will monitor industrial, technological and research capacity, policy initiatives, uptake, technical developments and socio-economic impact.

methodologies have been applied to

sources in order to fulfil its functions. With its actions, the EC seeks to support wider

Data: a cornerstone for AI - Toward a

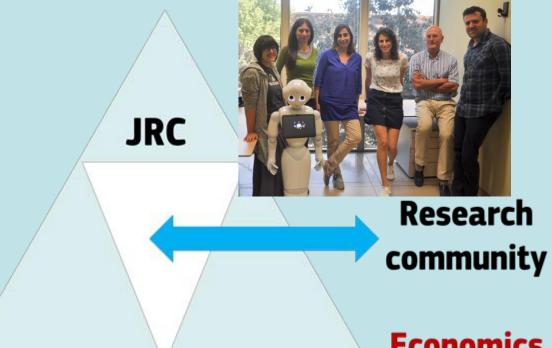
**Common European Data Space** 



## HUMAINT HUman behaviour and MAchine INTelligence

#### **Human behaviour & social robotics**

2018-2020





Neuroscience, psychology, machine learning, philosophy, natural language processing, health, robotics, music and creativity., digital economy.

**Economics of AI** 

**Deep learning** 



## Winter School

- 2<sup>nd</sup> edition
- Al and its ethical, legal, social and economic impact.
  - Diverse disciplines
  - Policy support
  - Open science spirit: streaming, open educational material.
- ~80 participants (2019), ~45 participants (2020).









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## Welcome and enjoy!

Contribute with take-home messages / inspirational ideas https://tinyurl.com/w324qya

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