

Artificial intelligence

Opportunities and challenges for the Council of Europe



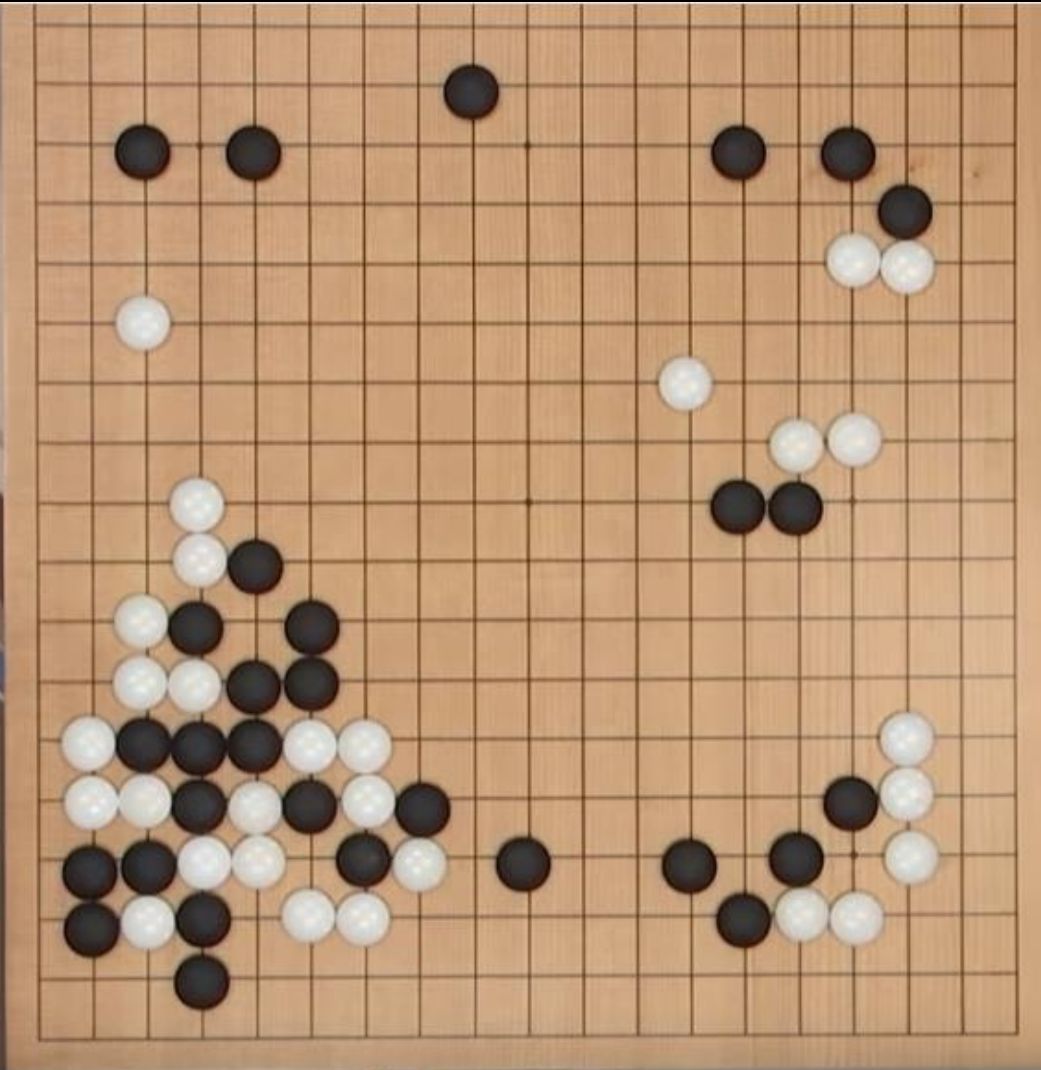
Tout ce qui est
neuf n'est pas
nécessairement
nouveau.



All that is brand
new is not
necessarily new

AI challenges human beings

EDOL
07:07



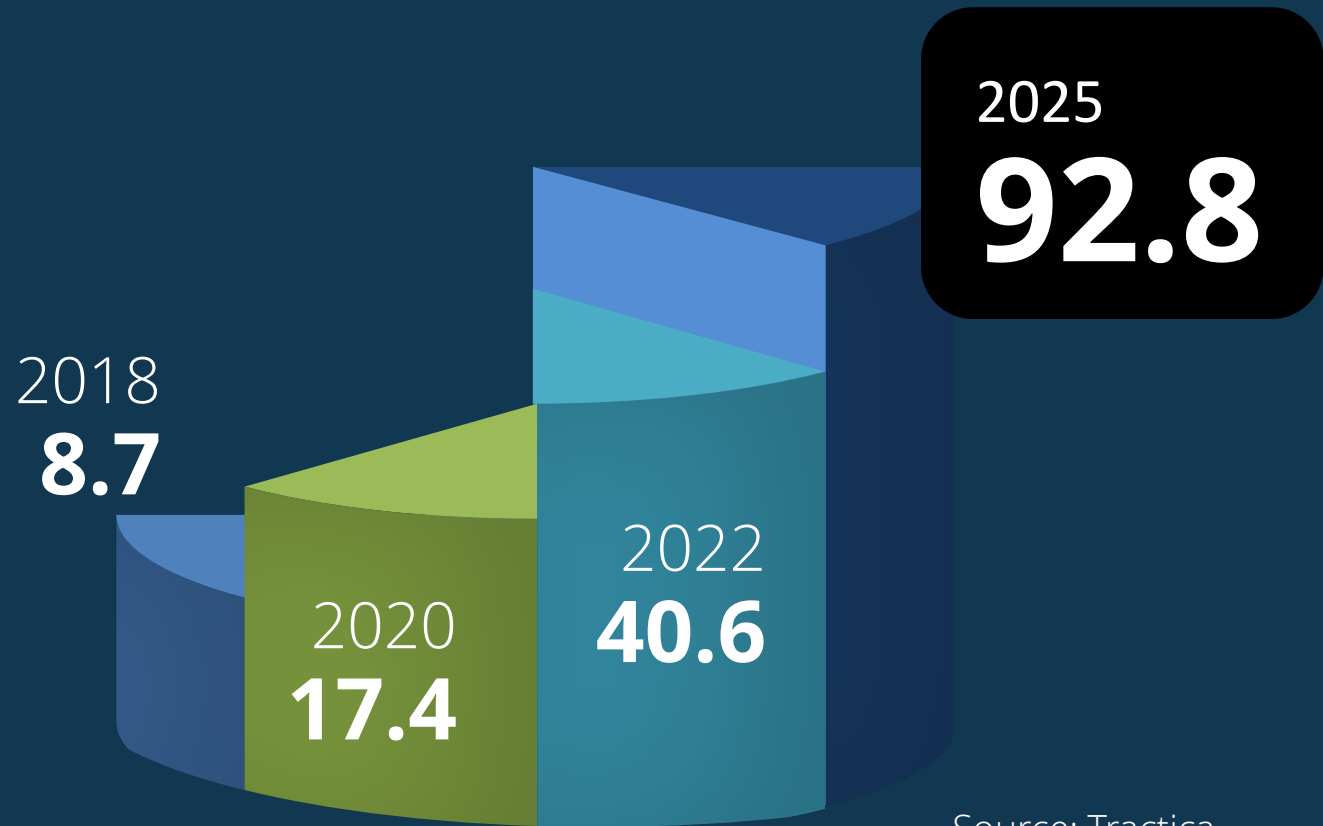
ALPHAGO
01:24:57

AI is everywhere



AI is a market

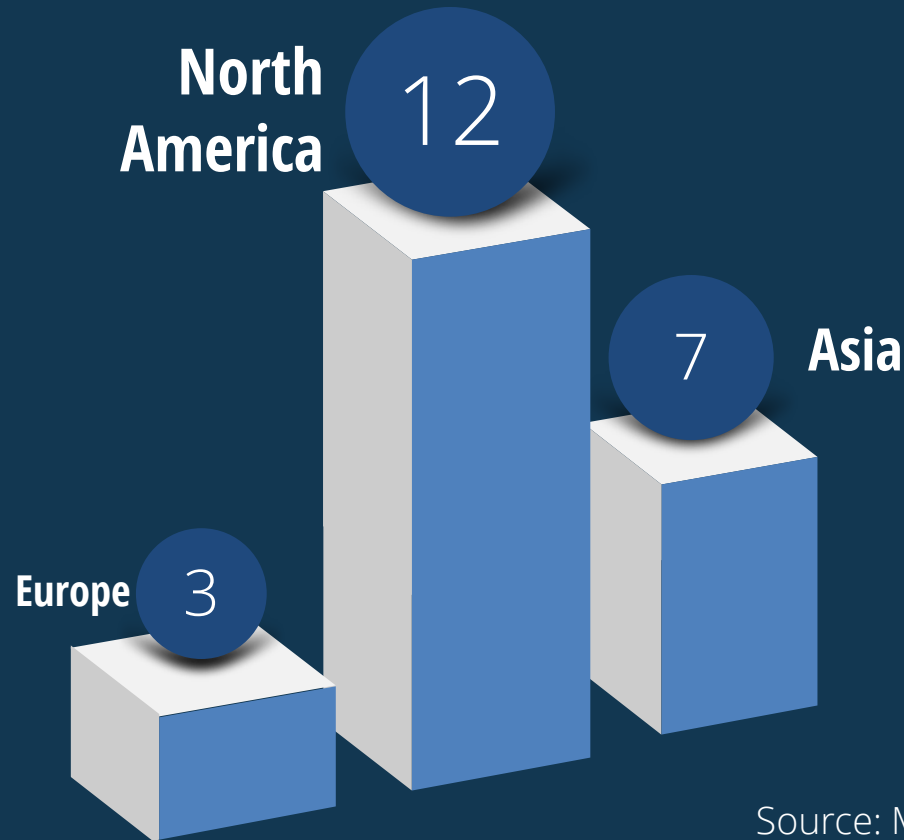
Global revenue from the installation of AI software, in billions of euros



Source: Tractica

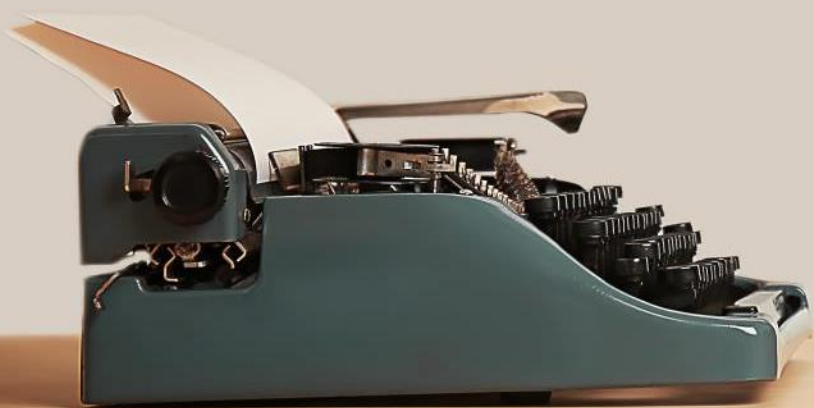
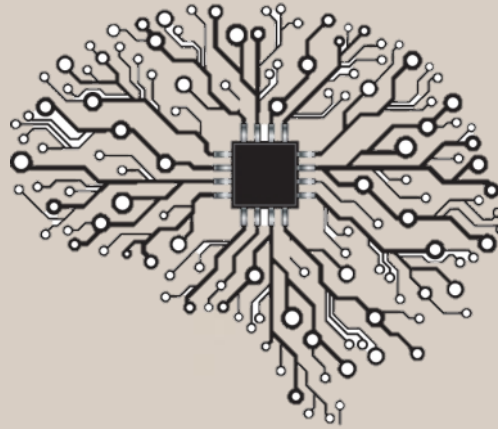
AI is a **market**

Private investments in 2016, in billions of euros



Source: Mc Kinsey Global Institute

Changes to come



Too much AI?



Uncertainty of consequences



Trust

The founding principles of the Council of Europe seem to be the best guarantees to prevent the drifts of AI and establish a climate of trust among 830 million citizens



HUMAN RIGHTS

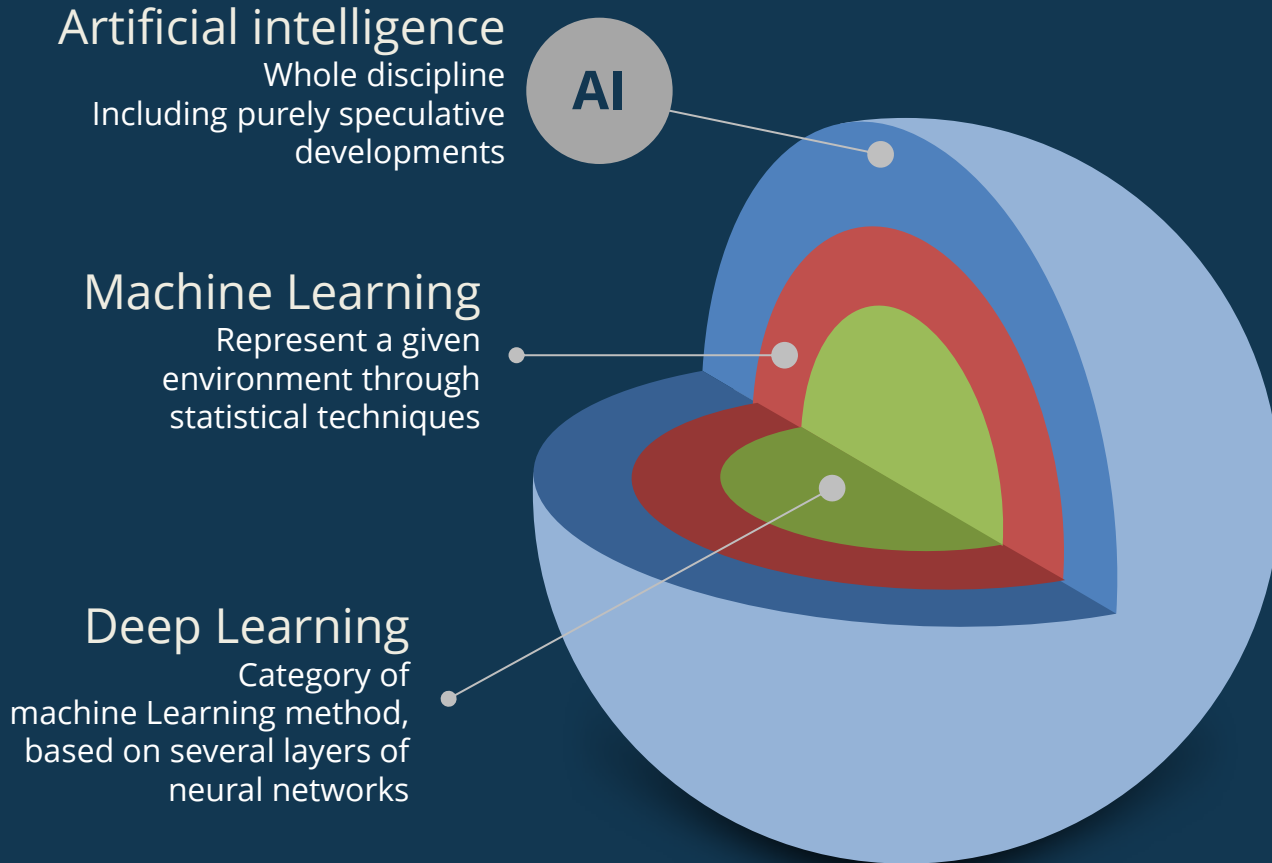


DEMOCRACY

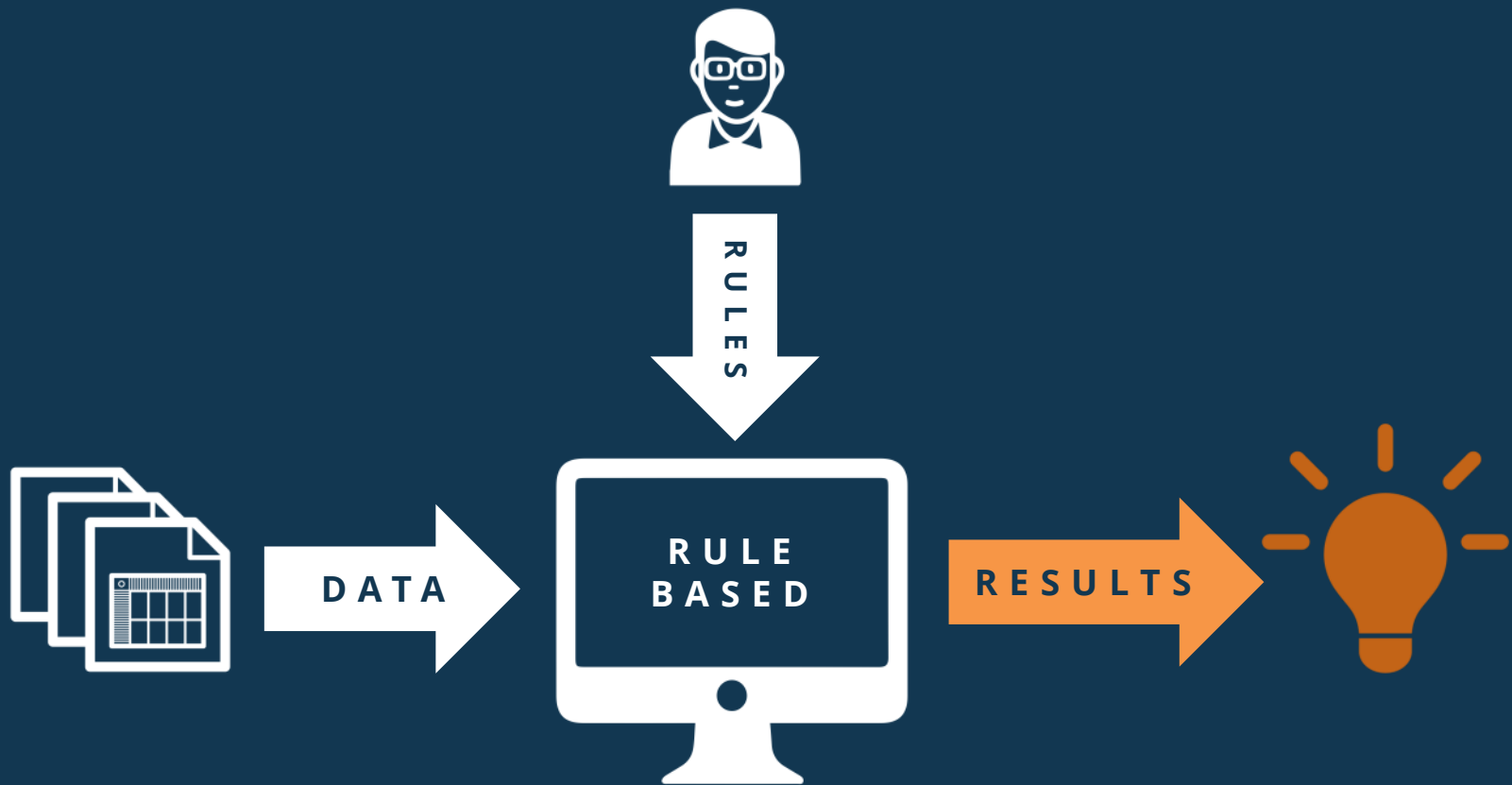


RULE OF LAW

What is AI?

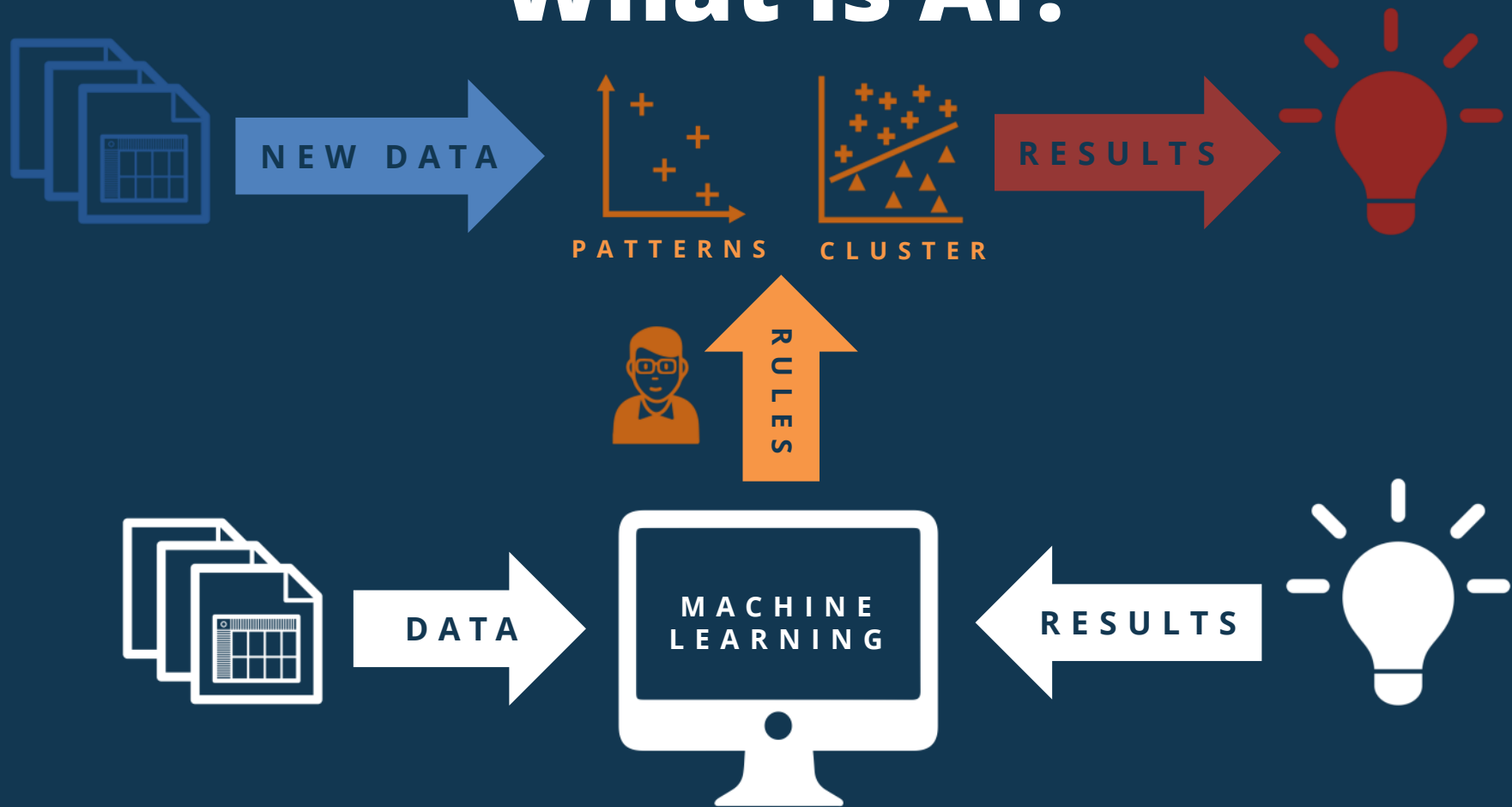


What is AI?



1980 - 90

What is AI?



2010 - ?

**How to make
sure that
AI serves
the values
of the
CoE?**





Profile for
commercial services

Predictive
decision-making

Content filtering



Loss of privacy

Loss of autonomy

Bias of data models
and discrimination

Justice or medicine
only based on
statistics

Freedom of speech
challenged



HUMAN RIGHTS

Fair trial
Effective remedy
Legality principle
Right to liberty
Right to life
Right to information
Right to expression
Right to private life



Profile for
commercial services

Predictive
decision-making

Content filtering



Efficiency

Understanding of
human flaws and
biases

Detection of
inappropriate
content



Preventing electoral
frauds

Creation of new
category of jobs

Forecast of
disasters



Security of
computer systems

Manipulation of
opinion

Digital gap between
citizens

Aggravation of
inequalities





DEMOCRACY

Right to equality
Access to culture
Right to dignity
European social
charter



Preventing electoral
frauds

Creation of new
category of jobs

Forecast of
disasters



Support of
democratic
processes

Transparency

Economic growth

Social fairness





Public policies
based on data

Prevention of
crimes

'Autonomous'
machines



Shifting from the
rule of law to
governance only by
maths and stats

Governance
transferred to AI
experts

Lack of
transparency of
deep learning

Surveillance society

No responsible for
damages caused by
AI driven machines





RULE OF LAW

Fair trial
Effective remedy
Legality principle
Right to liberty
Right to life
Right to information
Right to private life



Public policies
based on data

Prevention of
crimes

'Autonomous'
machines



Better efficiency of
public policies

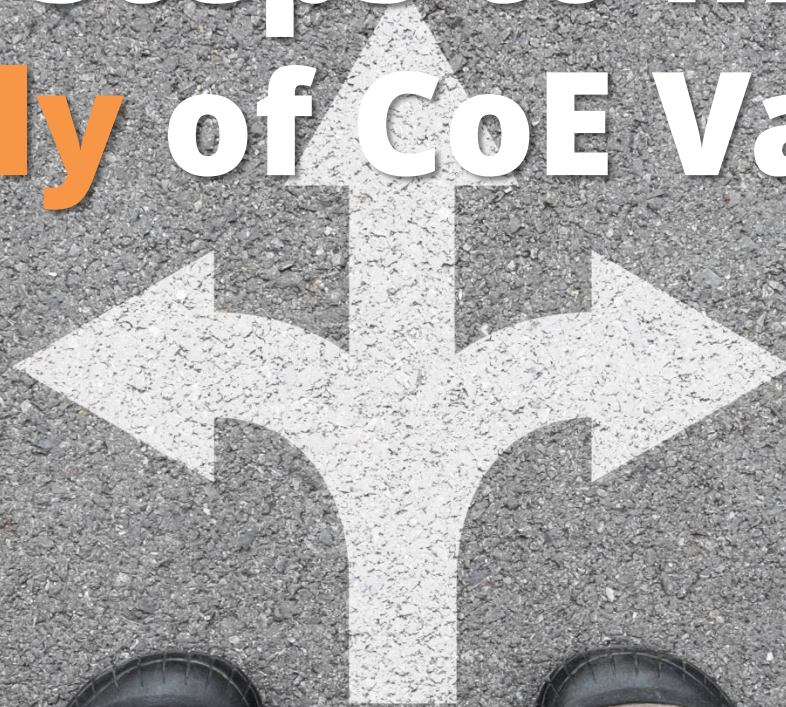
Saving of public
funds

Improvement to
fight against
organized crime,
terrorism,
cybercrime

Improved urban
planning



**What steps to make AI
an ally of CoE Values?**



STEPS

01

Regulate

02

Support

01

**Towards a legal
framework
to regulate AI?**

Based upon Charters,
Guidelines, Best practices
and Studies already
produced by the
Organization (or to be
produced) and in
cooperation with all the
stakeholders.

02

Support for compliance

Support member States,
research and private sector
to implement human
rights by design

#CoE4AI

New website upcoming soon

