

# Consultation meeting

## European networks of AI excellence

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The logo for the European Network of AI Excellence Centres (elise). The word "elise" is written in a bold, lowercase, sans-serif font. The letters are black and have a slightly irregular, hand-drawn appearance. The 'l' is particularly tall and narrow, and the 'i' has a small dot above it.

European Network of AI Excellence Centres

# ELISE

ELLIS units started, supported by ELISE

ELISE / ELLIS PhD program has attracted many applications

Senior researcher exchange program start

Use cases program with industry

SME-support via cascade funding

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# ELLIS / ELISE research programs

Health

Robot Learning: closing the reality gap

Geometric Deep Learning

Human-centric Machine Learning

Machine Learning and Computer Vision

Natural Intelligence

Natural Language Processing

Interactive Learning and Interventional Representations

Machine Learning for Earth and Climate

Quantum and physics-based machine learning

Robust Machine Learning

Theory, Algorithms and Computations Modern Learning Systems

Multimedia / multimodal information

Information retrieval

Explainability and Fairness in Data Mining

Symbolic Machine Learning

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# Some current themes in ML

*The core of AI*

to stay close to the source of the wave

item 1: Next generation AI

*Using less data*

to make European industry more competitive

item 1: Next generation AI

*Learning without label*

to avoid labelling where impossible or impractical

item 1: Next generation AI

*Explanations and  
robust AI*

to enhance societal transparency and practice in AI

alternative to item 2 trust AI and 7 secure AI

*AI goes to data*

to increase European sovereignty

alternative to item 7 secure AI

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# Response to **your identified topics**

Europe still needs more attention to the core of AI

**item 1 next AI:** yes *and* most important for EU not to loose out.

**item 2 trustworthy AI:** yes *but* mind being defensive, integrate in 1.

**item 6 human AI:** yes *but* NLP, CV etc not limited to interaction.

The mood in Europe changes from defensive to opportunities of AI.

**item 4 edge AI, item 5 robots AI:** yes *but* where is EU-service AI?

Educating AI for the general public?

Data and accumulation and AI?

**Mind the balance between defensive and go for it**