



e l l i s  
ALICANTE unit

RESPONSIBLE  
ARTIFICIAL  
INTELLIGENCE  
FOR SOCIAL GOOD



# ELLIS ALICANTE



ELLIS Alicante is a private non-profit foundation launched in October 2021 that is creating a world-class scientific team focused on responsible Artificial Intelligence (AI) for Social Good, analyzing and addressing the ethical implications of AI and the relationship between people and intelligent systems. Our name, The Institute for Human(it)y Centric AI (IHCAI), defines our vision: we strongly believe in the potential of AI to contribute to progress, i.e. to improve the quality of life of all people on the planet, the rest of living beings and the planet itself.



Nuria Oliver  
Director of ELLIS Alicante

**ELLIS Alicante is one of the 41 ELLIS units, the European network of scientific excellence in Artificial Intelligence. It is the *only* ELLIS unit created from scratch as a research foundation and the only unit focused on responsible AI for Social Good.**



# RESEARCH

Research in ELLIS Alicante is designed to contribute to progress by studying the intersection between AI and people. Our scientific mission is structured around three broad research areas:

## **Artificial Intelligence to understand us,**

researching and developing new AI-based computational models of human behavior both at an individual and aggregate levels. The practical applications are diverse, from the development of algorithms that generate recommendations for users or accurate and fair credit models to promote financial inclusion. From an aggregate perspective, the goal is to model and predict human behavior on a large scale, for a country or a region, which makes it possible to address challenges such as pandemics, detect possible economic crises or efficiently respond to natural disasters.

## **Artificial Intelligence that interacts with us,**

with a special focus on research related to human-machine interaction in the context of new intelligent interactive mobile systems, personal assistants and chatbots.

## **Artificial Intelligence that we trust,**

addressing the ethical challenges of today's AI systems, such as algorithmic discrimination, privacy violation, opacity, untruthfulness or the subliminal manipulation of human behavior. Current AI algorithms are not invulnerable and suffer from limitations that are important to identify and address in order to make their use inclusive and people-centered. In this area, we also investigate the social impact of AI algorithms that are pervasive on social media, form beauty filters to content moderation and the algorithmic censorship of art.

# ACHIVEMENTS

41 SCIENTIFIC ARTICLES PUBLISHED,  
SEVERAL IN THE TOP 8% OF THE WORLD AS PER THE  
RESEARCH REFERENCE ALTMETRIC

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1ST POSITION IN GOOGLE WHEN SEARCHING FOR  
“AI FOR SOCIAL GOOD”

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16 AWARDS AND RECOGNITIONS

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6 CONFERENCES ORGANIZED WITH  
THOUSANDS OF ATTENDEES

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RESEARCH PARTNERS IN THE EUROPEAN  
HORIZON 2020 ELIAS PROJECT ON AI FOR A  
SUSTAINABLE PLANET

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SELECTED BY INTEL TO BE PART OF THE RESUMAIS  
RESEARCH CENTER OF EXCELLENCE

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+ 200 INVITED TALKS

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+ 400 MEDIA APPEARANCES

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PARTNERSHIPS AND ALLIANCES WITH  
~100 OF INTERNATIONAL ENTITIES

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12 ARTICLES AUTHORED IN RELEVANT NATIONAL  
AND INTERNATIONAL PRESS

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1 SENIOR, 1 JUNIOR, 6+3 PREDOCTORAL, 3 VISITING  
AND 11 ASSOCIATE RESEARCHERS

# 41

ELLIS Units

# 16

European countries and  
Israel

# 16

Pan-European doctoral  
programs

# 350

Million € budget for ELLIS  
units over the next 5 years

# 30+

Millions of EU funding  
through the  
ELISE, ELSA AND ELIAS

# ELLIS EUROPE

ELLIS - the European Laboratory for Learning and Intelligent Systems - is a pan-European AI network of excellence which focuses on fundamental science, technical innovation and societal impact. Founded in 2018, ELLIS builds upon machine learning as the driver for modern AI and aims to secure Europe's sovereignty in this competitive field by creating a multi-centric AI research laboratory.



The 41 existing ELLIS units in 16 European countries and Israel include some of the best research groups in modern Artificial Intelligence, not only at a European level, but worldwide, such as the universities of Oxford and Cambridge, ETH Zurich, EPFL, several Max Planck institutes or the Technion in Israel.







#AI4SOCIALGOOD

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