

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(ity) 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,

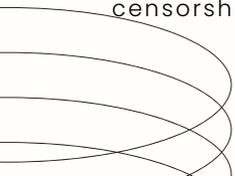
researching and developing new AI-based computational models of human behavior both at an individual and aggregate levels. The practical applications are diverse, from the development of algorithms that generate recommendations for users or accurate and fair credit models to promote financial inclusion. 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

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

16 AWARDS AND RECOGNITIONS

6 CONFERENCES ORGANIZED WITH
THOUSANDS OF ATTENDEES

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

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

+ 200 INVITED TALKS

+ 400 MEDIA APPEARANCES

PARTNERSHIPS AND ALLIANCES WITH
~100 OF INTERNATIONAL ENTITIES

12 ARTICLES AUTHORED IN RELEVANT NATIONAL
AND INTERNATIONAL PRESS

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

ELLIS EUROPE

41

ELLIS Units

16

European countries
and Israel

16

Pan-european doctoral
programs

350

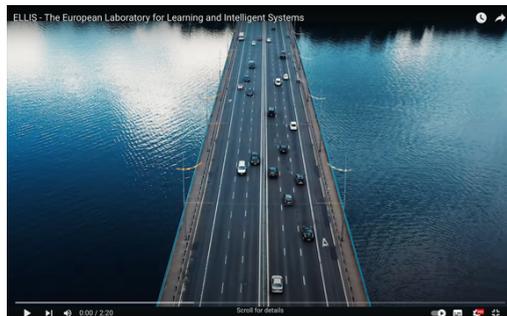
Millions € budget for the
ELLIS Units in the last 5
years

30+

Millions of Euros of
European funding
through
ELISE, ELSA AND ELIAS

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.

One of the pillars of ELLIS is the ELLIS units. As a result of several competitive selection processes, there are currently 41 ELLIS units in 16 European countries and Israel. They include some of the best research groups in modern Artificial Intelligence, not only at European level, but worldwide, such as the universities of Oxford and Cambridge, ETH Zurich, EPFL, several Max Planck institutes or the Technion in Israel. With the aim of attracting talent to the Valencian Community, ELLIS Alicante is the only ELLIS unit that has been created from scratch as a startup unit.





#AI4SOCIALGOOD

ELLIS ALICANTE
DISTRITO DIGITAL 5 - EDIFICIO A
MUELLE DE PONIENTE, 5
ALICANTE PORT
03001 ALICANTE - SPAIN

WWW.ELLISALICANTE.ORG
INFO@ELLISALICANTE.ORG
+34965641175



ellis
ALICANTE unit