

# HumanE AI Net:

## The HumanE AI Network

**Grant Agreement Number:** 952026  
**Project Acronym:** HumanE AI Net

**Project Dates:** 2020-09-01 to 2023-08-31  
**Project Duration:** 36 months

### ***D8.2 Initial Version of the Humane AI multimedia dissemination package***

**Author(s):** George Kamps  
**Contributing partners:** DFKI  
**Date:** January 6, 2022  
**Approved by:** Paul Lukowicz  
**Type:** Report (R)  
**Status:** final  
**Contact:** [George.Kamps@dfki.de](mailto:George.Kamps@dfki.de)

Dissemination Level		
PU	Public	X

## DISCLAIMER

This document contains material, which is the copyright of *HumanE AI Net* Consortium parties, and no copying or distributing, in any form or by any means, is allowed without the prior written agreement of the owner of the property rights. The commercial use of any information contained in this document may require a license from the proprietor of that information.

Neither the *HumanE AI Net* Consortium as a whole, nor a certain party of the *HumanE AI Net* Consortium warrant that the information contained in this document is suitable for use, nor that the use of the information is free from risk, and accepts no liability for loss or damage suffered by any person using this information.

This document reflects only the authors' view. The European Community is not liable for any use that may be made of the information contained herein.

## DOCUMENT INFO

### Authors

Authors	Institution	e-mail
George Kampis (GK)	DFKI	<a href="mailto:George.Kampis@dfki.de">George.Kampis@dfki.de</a>

### Document History

Revision		
Date	Lead Author(s)	Comments
30.09.2020	GK	Empty template
22.10.2021	GK	Draft
06.01.2022	GK	Final touch

## TABLE OF CONTENTS

Authors .....	2
Document History .....	2
<b>Table of Contents .....</b>	<b>3</b>
<b>Figures.....</b>	<b>3</b>
<b>Executive Summary .....</b>	<b>4</b>
<b>1. Introduction .....</b>	<b>4</b>
<b>2. The Essential HumanE-AI-Net video Presentation.....</b>	<b>4</b>
<b>3. The MP Network .....</b>	<b>5</b>
<b>4. The MP movies .....</b>	<b>8</b>
<b>5. Participation in External Meetings.....</b>	<b>10</b>
<b>6. Web Page .....</b>	<b>12</b>

## FIGURES

Figure 1 A still frame of the project video .....	5
Figure 2 The MP collaboration network of Humane-AI-Net partners as of early October 2021.....	6
Figure 3 Selecting a given MP and its pop-up menu. See the text for explanation. ....	7
Figure 4 The first and the third element of the MP menu. ....	7
Figure 5 Still picture from the second element of the MP menu.....	8
Figure 6 Still frame of a video presented in the March 17, 2021 online GA meeting (see text).....	9
Figure 7 Still frame from MP video presented at the Berlin GA meeting (see text). ....	9
Figure 8 Our AI4EU involvement.....	10
Figure 9 The first Theme Development Workshop.....	11
Figure 10 The second Theme Development Workshop .....	11
Figure 11 Elements of the project home page.....	12
Figure 12 Further elements of the project home page. ....	12
Figure 13 Events presented at the project home page.....	13
Figure 14 Our YouTube videos linked from the project home page.....	13

## EXECUTIVE SUMMARY

This document summarizes our efforts to establish a multimedia-driven dissemination package. It details our video production, the production of a genuine MP network, the MP movies, and the web site in general.

Besides, we summarize our activities in T8.7, which was in the subtitle in this Deliverable.

The deliverable is late. The reason is multifold – MP movies have been produced for their presentation in March 17 only. Besides, DFKI was taking over the task of making this deliverable from partner SU (Sorbonne University).

## 1. INTRODUCTION

This document summarizes our efforts to establish a multimedia-driven dissemination package as well as summarizes our activities in T8.7. The Task T8.7 has to do with dissemination to policy and decision makers, it also meant to use the political networks of CLAIRE, EuRAI and ELLIS who are all represented in the consortium with key members (e.g., Barry O'Sullivan the president of EurAI, Holger Hoos and Philipp Slusallek founding members of CLAIRE. This Task coordinates the dissemination effort, the participation of the consortium in relevant EU events, production of the dissemination materials.

## 2. THE ESSENTIAL HUMANE-AI-NET VIDEO PRESENTATION

The EC had given us instructions to produce a 3-minute video for the general public to introduce the HumanE-Ai-Net project. We have decided to realize the task using a professional team with a director, camera man, etc.

Our choice was a Swedish team. To hire them smoothly, we have transferred 20k Euro from DFKI ODC to Umu, our Swedish partner at Umea University. (The amount is justified in the ongoing amendment request.)

The resulting video is available at <https://www.humane-ai.eu> and on YouTube (<https://www.youtube.com/watch?v=HZWQOyddBBc> in the VideoLecturesChannel). A still frame of the video is shown below.



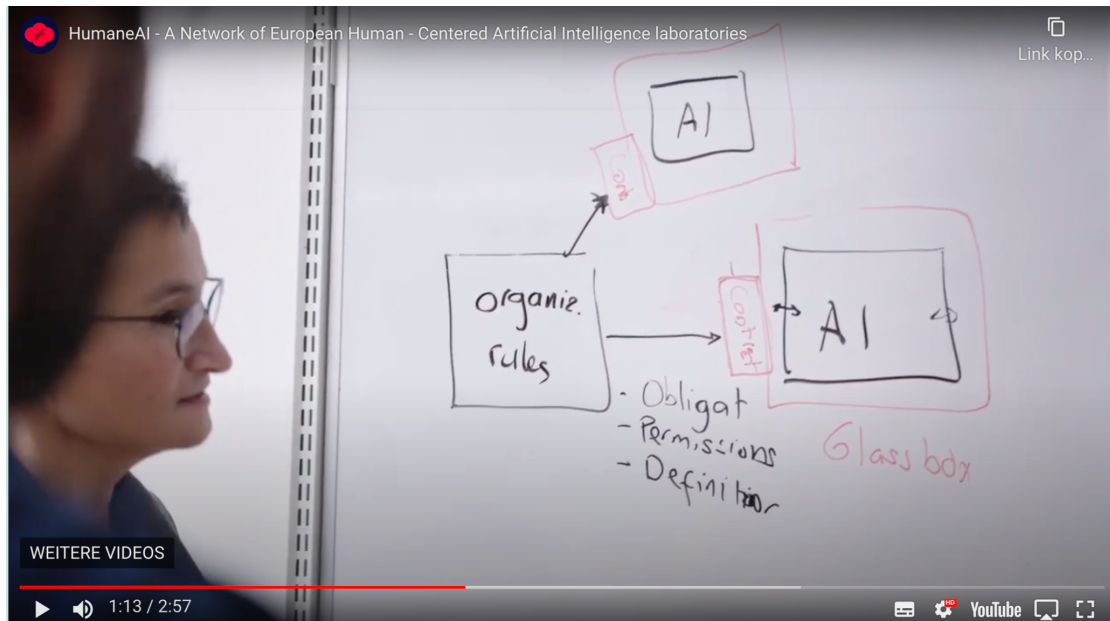


Figure 1 A still frame of the project video

The video was viewed 150 times on YouTube (as of today, Oct 22. 2021) and some additional viewing took place on <https://www.humane-ai.eu> (no counter).

We have conducted discussions with partners and other colleagues to find that they tend to be familiar with our video. Altogether we may thus claim that the video presentation was a good idea, and it has successfully reached its designed target audience, the European AI research community (especially the young people who are more active on the Web).

### 3. THE MP NETWORK

In the research part of this project, we are strongly focusing on Micro Projects (MPs), which have been detailed elsewhere (e.g., in the PY1 Periodic Technical Report Part B, D10.5). To ensure a steady and intuitive access to their list, we established and maintain a master “Excel” table at <https://eu.jotform.com/tables/202665132217347>. This table contains a link to the definition (submission) of every MP as well as all of the data related to its definition – such as partners, excepted results as well as start and end date.

The table is automatically harvested each day at 23:45 to produce a network representation from that, combined with other data on the MP (such as video(s) presented, and the results reports if finished). The network is available at <https://www.humane-ai.eu/microprojects-network/> (mirror) and the project’s webdav file server in original (see below).

The start date of an MP can be selected, and then the dynamic graph will show all MPs that start up to the given point. Nodes are the partners and edges are collaborations between them. Clicking on a node brings up the web page of the given partner. Hovering over an edge identifies a given MP (i.e., collaboration). Double-clicking on the edge yields a menu: there, we can select bw. the MP description, the presentation video (2 min) of the March 17 GA meeting or if finished, the results report.

A copy of the graph is placed at the WEBDAV file server we maintain for meetings, videos, and files of all sorts (e.g., official documents) to be communicated among the project participants (as well as WP meeting records, MPs and all other things of common interest). The WEBDAV file server is maintained by DFKI and will survive the project. It is available as this:

**Web (reading only):**

<https://humane-ai-net.kl.dfki.de/webdav/>

**Full access:**

*Mac:*

In Finder -> Go to -> Connect to server -> enter

<https://humane-ai-net.kl.dfki.de/webdav/>

Enter user and pwd:

User = humaneainet

Passwd = Pir6iW9A

*Windows:*

Connect to "Network Disk" -> enter

<https://humane-ai-net.kl.dfki.de/webdav/>

Enter user and pwd:

User = humaneainet

Passwd = Pir6iW9A

For all other platforms (e.g., Linux etc.) pls. contact [George.Kampis@dfki.de](mailto:George.Kampis@dfki.de) or the Web itself (where a search for "WEBDAV access" specifies them all).

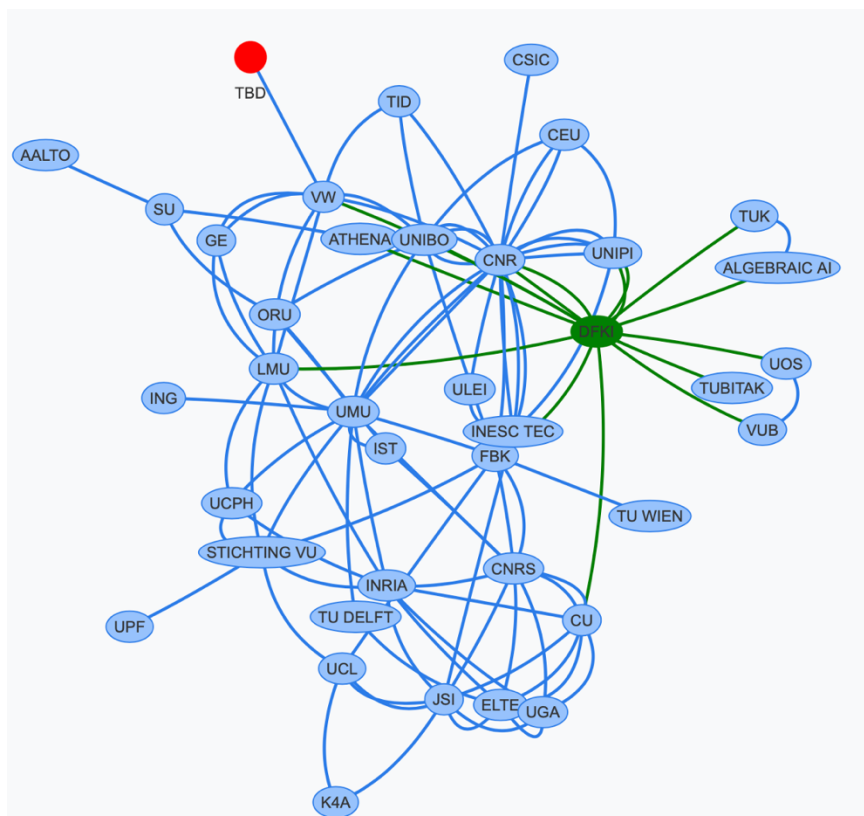


Figure 2 The MP collaboration network of Humane-AI-Net partners as of early October 2021.

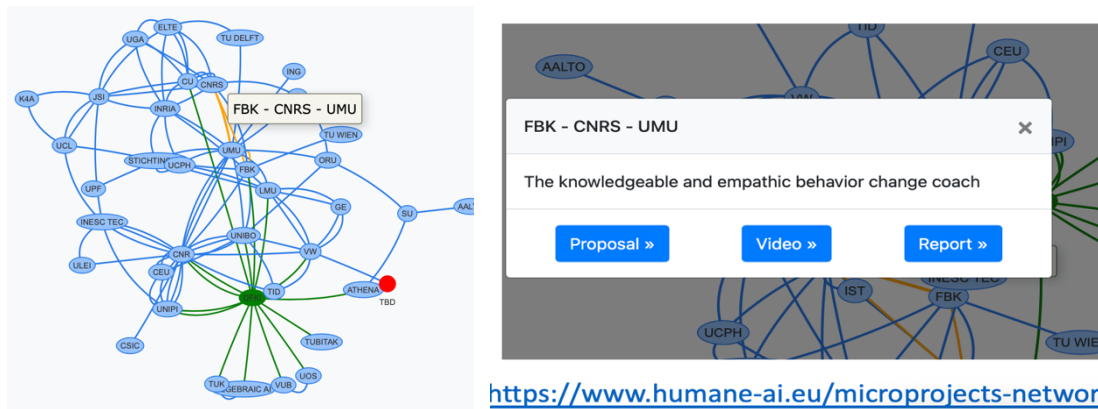


Figure 3 Selecting a given MP and its pop-up menu. See the text for explanation.

### HumaneAI-net micro-project proposal

---

#### Description

---

Title of micro-project \*

The knowledgeable and empathic behavior change coach

Project description \*

We will develop a conceptual model of key components relating to supporting healthy behavior change. The model will provide a top-level representation of the clinical (from the psychological perspective) enablers and barriers that can be exploited for developing fine-grained models supporting the realization of behavior change paths within and across specific domains. The resulting ontology will form the basis for generating user models (Theory of Mind), developing reasoning and decision-making strategies for managing conflicting values and motives, which can be used in collaborative and persuasive dialogues with the user. Such knowledge is also fundamental for embedding empathic behavior as well as non-verbal behaviors which can be embodied by a virtual

0/150

Does the project use (real) data? \*

☐ Yes

☐ No

#### Contact person

---

Name \*

Mauro Dragoni

First Name Last Name

Affiliation \*

FBK

### Report on HumaneAI-net micro-project

---

Title of micro-project \*

Coping with the variability of human feedback during interactive learning through

Contact person \*

Mehdi Khamassi

First Name Last Name

Email \*

example@example.com

Main workpackage contribution \*

WP1,3 1.3,3.3

WP# Task#

Type of report

☐ Intermediate (the micro project is still ongoing)

☐ Final (the micro project has ended)

Main results of micro project \*

We designed a new ensemble learning algorithm, combining model-based and model-free reinforcement learning, for on-the-fly robot adaptation during human-robot interaction. The algorithm includes a mechanism for the robot to autonomously detect changes in a human's reward function from its observed behavior, and a reset of the ensemble learning accordingly. We simulated a series of human-robot interaction scenarios to test the robustness of the algorithm. In scenario 1, the human rewards the robot with various feedback profile: stochastic reward; non-monotonic reward; or punishing for error without rewarding correct responses. In scenario 2, the humans teaches the robot through demonstrations, again with different degrees of stochasticity and levels of expertise from the human. In

use 50-150 words 0/50

How do the results contribute to the objectives of HumaneAI-net WPs? \*

Figure 4 The first and the third element of the MP menu.

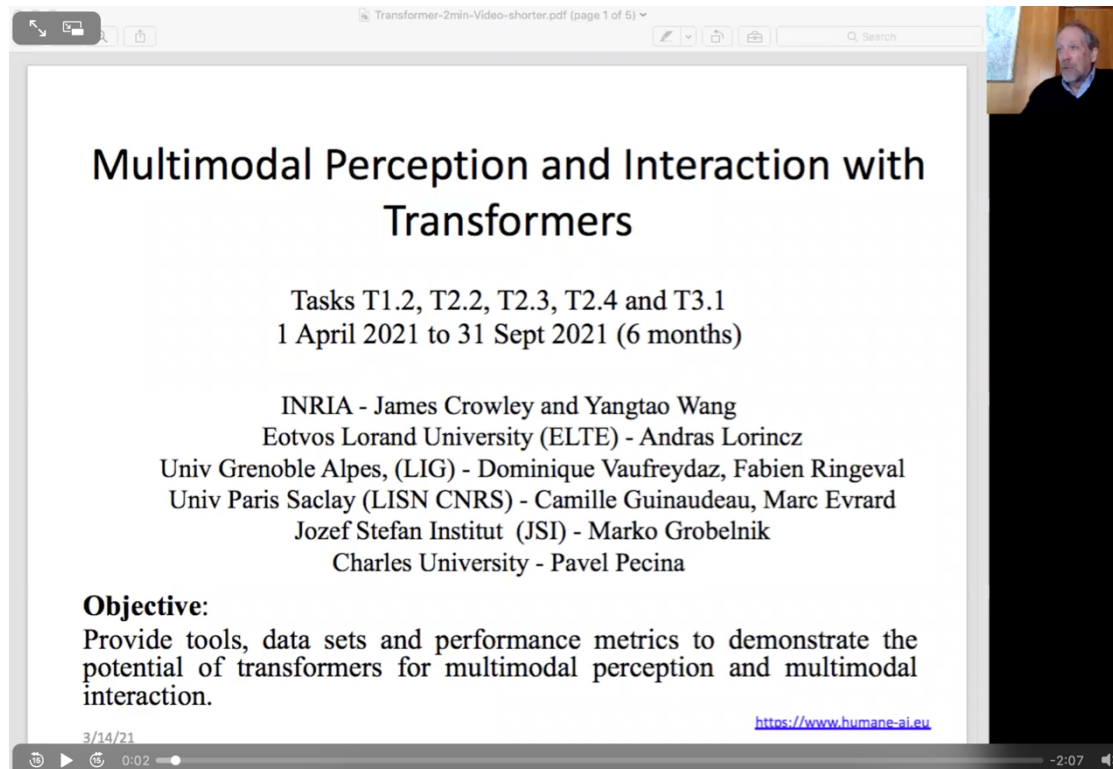


Figure 5 Still picture from the second element of the MP menu.

## 4. THE MP MOVIES

Albeit also part of the online menu of the MP network, here we detail movies presented on MPs separately.

Two opportunities were given to present such videos, both at GA meetings. The purpose was to review progress but also to present the MPs for the general public of the project the first (and the second) time. The original MP pitches have been presented (with pptx slides made available on the Webdav server) in the WPs where they belonged and needed WP leader approval.

The first (online) meeting took place on March 17 on Zoom. The second (physical as well as online) meeting took place in Berlin, October 14-15. 2021.

These videos are available as part of the MP network and as of now in the webdav as <https://humane-ai-net.kl.dfki.de/webdav/Berlin%20meeting/Videos/>.

Two screenshots showing still frames of the respective (2min) videos are presented below. The videos are altogether 49 and 37 in number, respectively. (The difference is partly related to the fact that some MPs – especially those now started yet – did not produce a second video.)



Figure 6 Still frame of a video presented in the March 17, 2021 online GA meeting (see text).

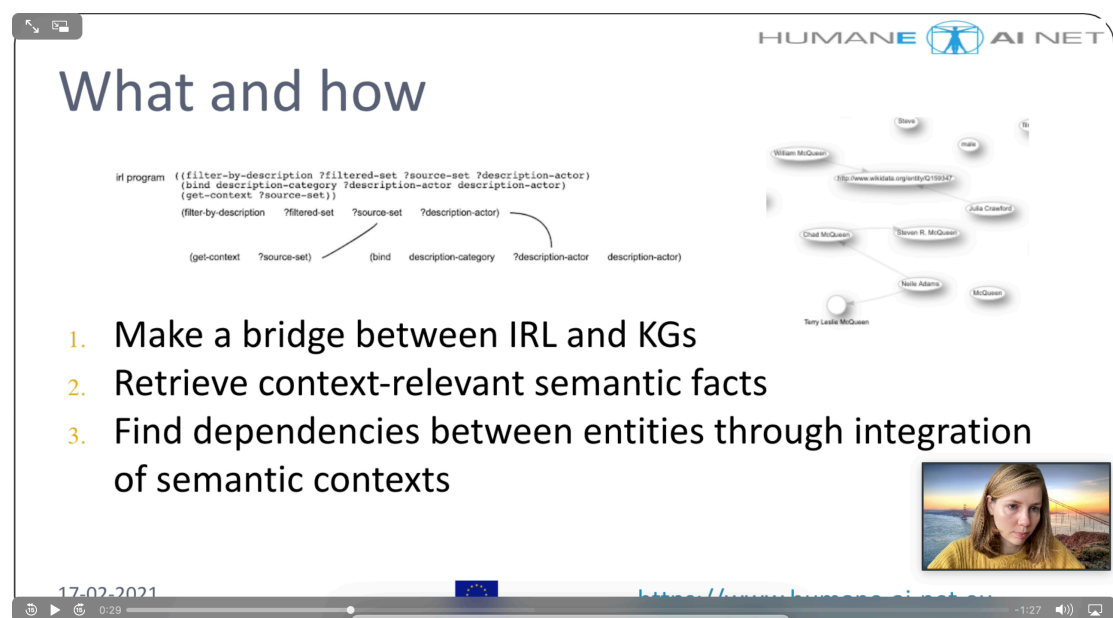


Figure 7 Still frame from MP video presented at the Berlin GA meeting (see text).


These videos have served the designed purpose well. As so often, the pressure to producing a 2-minute summary with a prescribed, disciplined structure has led participants to better understand and formulate what they are doing.



## 5. PARTICIPATION IN EXTERNAL MEETINGS

Besides project internal meeting we have participated (as foreseen in T8.7) in External Meetings. One of these were organized and run as part of the EU-funded AI4EU projects (below).

### Involvement with AI4EU




Platform ICT-48 projects News & Events Community AI Resources Experiment AI Topics

Humane AI Net

## HUMANE AI NET

Facilitating a European brand of trustworthy, ethical AI that enhances Human capabilities and empowers citizens and society to effectively deal with the challenges of an interconnected globalized world.

### AI4EU Cafe: The HUMANe AI Net Vision of Ethical Human Centric European AI




Carmen MAC WILLIAMS  
17 March 2021 - updated 6 months ago

**Event date**  
Wed, 24/03/2021 - 15:00 - Wed, 24/03/2021 - 16:00

**Registration URL**  
<https://attendee.gotowebinar.com/register/6165605324939145485>

The AI4EU Cafe presents the Speaker Prof. Dr. Paul Lukowicz, who is both Scientific Director of the German Research Center for Artificial Intelligence (DFKI GmbH) in Kaiserslautern and Chair of Embedded Intelligence in the Computer Science Department at TU of Kaiserslautern (TUK) since 2021. His main research areas are in context-specific, wearable recognition systems which include pattern recognition, system architectures, models, complex self-organising systems and their applications.



**The Culture of Trustworthy AI.**  
Public debate, education and practical learning.  
**2-3 SEPTEMBER 2021**  
Island of San Servolo, Venice • Italy

Ca' Foscari University of Venice  
ECT  
AI4EU  
UMEA UNIVERSITY

11:30 Panel discussion: "Challenges for ethical and legal AI in Europe"  
Chair: Atia Cortés (Barcelona Supercomputing Center)  
Speakers: Yiannis Kompatsiaris (AI4Media), Fredrik Heintz (Tailor), Paul Lukowicz (Humane-AI net), Michela Milano (StairwAI), Barry O'Sullivan (AI4EU)

HUMANE AI NET

**Figure 8 Our AI4EU involvement**

Also, altogether 3 "Theme Development Workshop" meetings took (viz. take) place, where we also participate (see figures). These workshops were jointly organized with CLAIRE, TAILOR and VISION. (In particular, Professor Slusallek is a member of the DFKI partner in HumanE-AI-Net and a key figure in CLAIRE.)



Figure 9 The first Theme Development Workshop



Figure 10 The second Theme Development Workshop

## 6. WEB PAGE

Finally, we detail some of the webpage contents for this project that carry multimedia elements.

The web page defines a GUI through which all elements of the MP network, the project video, as well as past and future events can be reached in a ready, intuitive way. The figure below shows some key elements of the front (landing) page of <https://www.humane-ai.eu>.

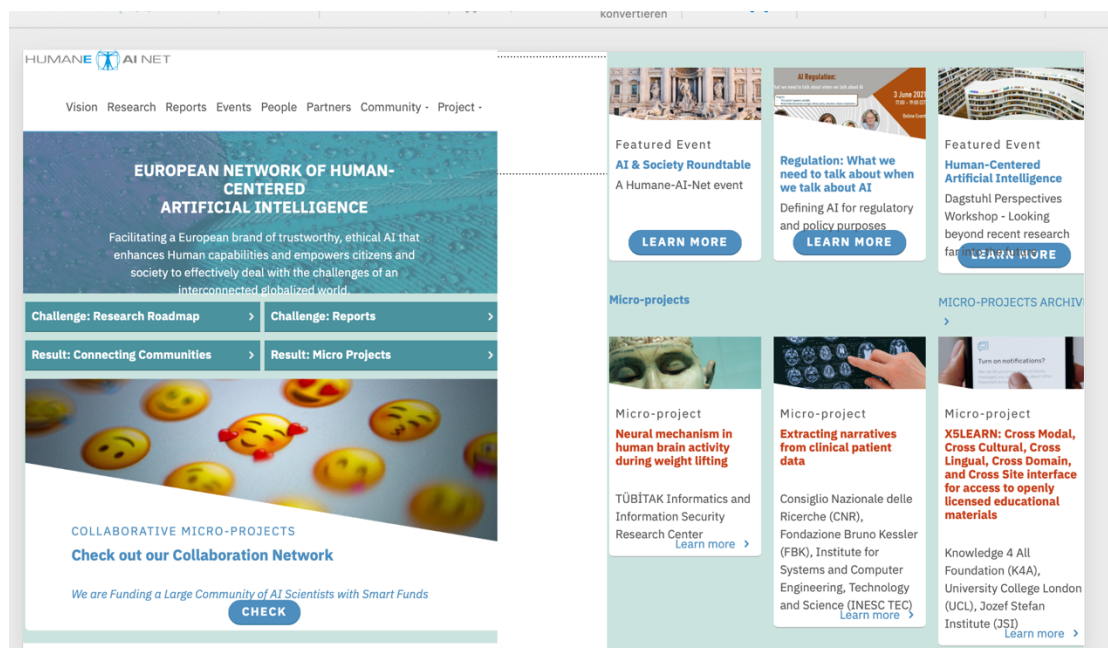


Figure 11 Elements of the project home page.

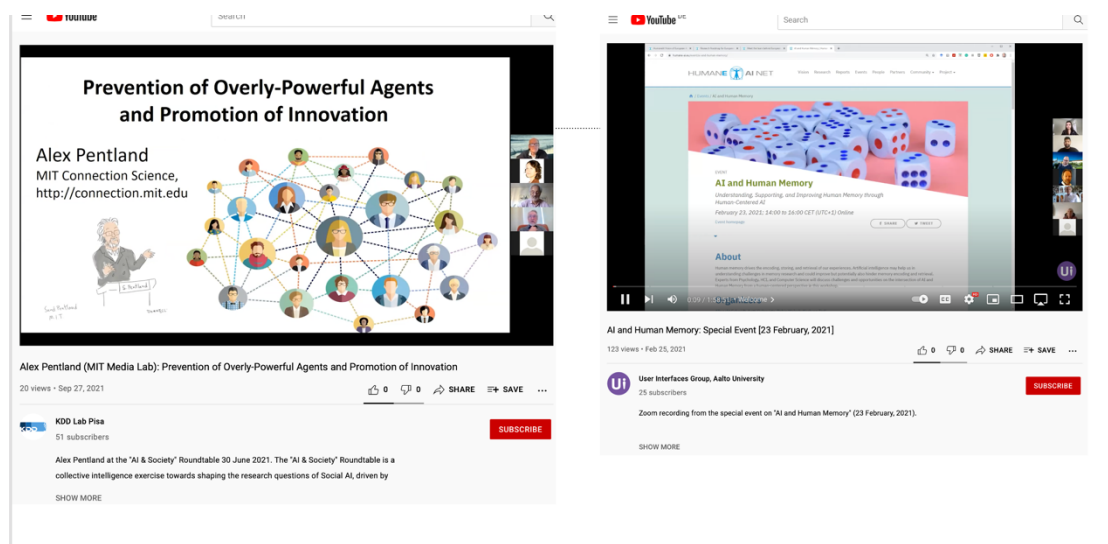


Figure 12 Further elements of the project home page.



<b>The Role of AI and Digital Twins in Decarbonising Construction</b> <b>Online</b> How we can set an ambitious and realistic path to reach zero-carbon construction by 2050 and the role that AI can play	<b>AI &amp; Society Roundtable</b> <b>Online</b> A Humane-AI-Net event	<b>Closing the Loop</b> <b>Virtual (Zoom)</b> Human and AI Collaboration, Interaction, and Partnership	<b>Moderated online panel on the vision and plans of the Humane AI Net project</b> <b>Online</b> Humane AI Net is beneficial to humans both individually and societally
<b>ACAI 2021</b> <b>Berlin, Germany and online</b> The advanced course on AI on Human Centered AI	<b>AI Regulation:</b> What we need to talk about when we talk about AI <b>3 June 2021</b> 17:00 - 19:00 (CET) <b>Online Event</b>	<b>AI IDEA PRIZE</b> <b>Online</b> SHOW, PITCH & MATCH	<b>HumaneAI Innovation Workshop</b> <b>Munich, Germany</b> Workshop on HumaneAI perspectives on Innovation in AI & AI in Innovation
<b>HumaneAI Network Micro-projects</b> <b>Online</b> Microprojects from within the Human AI Net excellence centers	<b>Human-Centered Artificial Intelligence</b> <b>Dagstuhl, Germany</b> Dagstuhl Perspectives Workshop - Looking beyond recent research far into the future	<b>AI and Human Memory</b> <b>Online</b> Understanding, Supporting, and Improving Human Memory through Human-Centered AI	<b>Project events with and for the community</b> <a href="https://www.humane-ai.eu/event/">https://www.humane-ai.eu/event/</a>

Figure 13 Events presented at the project home page.

The screenshot shows the YouTube channel page for 'Humane AI Net'. The channel name is 'European Human - Centered Artificial Intelligence'. The page displays a list of 39 videos, including lectures and workshops. The channel name 'European Human - Centered Artificial Intelligence' is visible at the top. The videos are listed with their titles, durations, and view counts. The channel has 39 videos and 310 views. The last video was updated on Apr 12, 2021.

Figure 14 Our YouTube videos linked from the project home page.