

HORIZON
2020

An Artificial Intelligence Enhancing Video Quality Locally to Limit Internet Traffic Tied to Video Streaming

Fact Sheet

Project Information

ENHANCEplayer

Grant agreement ID: 831109

[Project website](#) 

DOI

[10.3030/831109](https://doi.org/10.3030/831109) 

Project closed

EC signature date

7 December 2018

Start date

1 November 2018

End date

31 January 2021

Funded under

Horizon 2020 Framework Programme

Total cost

€ 3 343 750,00

EU contribution

€ 2 400 000,00

Coordinated by

ARTOMATIX LIMITED



Ireland

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Project description

Reducing video data traffic to increase quality

Watching movies at home has come a long way since the glory days of the video stores and VHS tapes. Today's videos are distributed over-the-top (OTT), making video streaming a major source of internet traffic. The OTT market is growing fast, driven mainly by Netflix and YouTube. But the surge in video streaming is mainly in developed countries. In the rest of the world, the situation is different. For instance, half of the world's population still does not have internet access. In this context, the EU-funded ENHANCEplayer project aims to shrink the digital divide by decreasing video streaming traffic by 80 % while retaining video resolution and increasing quality. Specifically, it will leverage deep learning to automatically increase the resolution and quality of videos on consumer devices.

Fields of science (EuroSciVoc)

[natural sciences](#) > [computer and information sciences](#) > **[internet](#)**

[engineering and technology](#) > [mechanical engineering](#) > [vehicle engineering](#) > [aerospace engineering](#) > **[satellite technology](#)**

[engineering and technology](#) > [electrical engineering, electronic engineering, information engineering](#) > [information engineering](#) > [telecommunications](#) > **[mobile phones](#)**

[natural sciences](#) > [computer and information sciences](#) > [artificial intelligence](#) > [machine learning](#) > **[deep learning](#)**



Programme(s)

[H2020-EC - Horizon 2020 Framework Programme](#)

MAIN PROGRAMME

[H2020-EU.3. - PRIORITY 'Societal challenges](#)

[H2020-EU.2.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies](#)

Topic(s)

[EIC-FTI-2018-2020 - Fast Track to Innovation \(FTI\).](#)

Call for proposal

[H2020-EIC-FTI-2018-2020](#) 

[See other projects for this call](#)

Funding Scheme

[IA - Innovation action](#)

Coordinator



ARTOMATIX LIMITED

Net EU contribution

€ 1 137 500,00

Total cost

€ 1 625 000,00

Address

17 NUTLEY PARK DONNYBROOK

DUBLIN 4 Dublin

 **Ireland** 

SME 

Yes

Region

Ireland > Eastern and Midland > Dublin

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

Participants (4)



THEO TECHNOLOGIES

 Belgium

Net EU contribution

€ 962 500,00

Address

PHILIPSSITE 5/1
3001 LEUVEN 

SME 

Yes

Region

Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 1 375 000,00



STICHTING NEDERLANDSE PUBLIEKE OMROEP

 Netherlands

Net EU contribution

€ 100 000,00

Address

BART DE GRAAFFWEG 2
1217 ZL Hilversum 

Region

West-Nederland > Noord-Holland > Het Gooi en Vechtstreek

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 100 000,00



RADIO E TELEVISAO DE PORTUGAL SA

 Portugal

Net EU contribution

€ 100 000,00

Address

AV DO MARECHAL GOMES DA COSTA 37

1849 030 LISBOA 

Region

Continente > Área Metropolitana de Lisboa > Área Metropolitana de Lisboa

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 143 750,00



DE VLAAMSE RADIO EN TELEVISIEOMROEPORGANISATIE NV

 Belgium

Net EU contribution

€ 100 000,00

Address

AUGUSTE REYERSLAAN 52

1043 Bruxelles / Brussel 

Region

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Activity type

Other

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 100 000,00

Last update: 10 March 2023

Permalink: <https://cordis.europa.eu/project/id/831109>

European Union, 2025