



**IM-TWIN: from Intrinsic Motivations  
to Transitional Wearable INTelligent  
companions for autism spectrum disorder**  
*a European funded project*

***Professional video on Project 2***  
**Deliverable 6.3**



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 952095.

Project duration 36 months (November 2020, October 2023).  
Consortium: Consiglio Nazionale delle Ricerche (ITA),  
Universiteit Utrecht (NLD), Centre de Recherches  
Interdisciplinaires (FRA), Università degli Studi di Roma  
La Sapienza (ITA), Plux-Wireless Biosignals S.A. (PRT).

## Deliverable data

<b>Work Package:</b>	6 Management and dissemination
<b>Work Package leader:</b>	CNR-ISTC
<b>Deliverable beneficiary:</b>	CNR-ISTC
<b>Dissemination level:</b>	Public
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<b>Type:</b>	Websites, patents filing, etc.
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## Acronyms of partners

CNR-ISTC	Consiglio Nazionale delle Ricerche, Istituto di Scienze e Tecnologie della Cognizione (Italy)
UU	Universiteit Utrecht (The Netherlands)
CRI	Centre de Recherches Interdisciplinaires (France)
LA SAPIENZA	Università degli Studi di Roma La Sapienza (Italy)
PLUX	Plux - Wireless Biosignals S.A. (Portugal)

## Table of contents

<b>1. Overview of the deliverable</b>	<b>3</b>
<b>2. A brief description of the video</b>	<b>4</b>
<b>3. Conclusions</b>	<b>4</b>

## 1. Overview of the deliverable

This deliverable presents the last promotional video on the project, addressed to the general audience. The video also provides support for the deliverable D3.4 “*PlusMe augmented behaviour and IM-TWIN 2*”.

## 2. A brief description of the video

The video, lasting 4.59 minutes, shows the 3 technological tools developed during the project: the *Eye Contact Detector*, the *Sensorised T-shirt*, and the *Transitional Wearable Companion* toys.

The video has been uploaded to the [Youtube platform](#)<sup>1</sup>, and linked to the project website page, at link [https://im-twin.eu/video/#project\\_final\\_technological\\_outcomes](https://im-twin.eu/video/#project_final_technological_outcomes). The caption on the Youtube page reports the following content:

*“IM-TWIN (“from Intrinsic Motivations to Transitional Wearable INtelligent companions for autism spectrum disorder”) is an interdisciplinary, European funded project which aims to develop new interactive technologies to support the early intervention of children with Autism Spectrum Disorders (ASD).*

*During the 3 years activities (November 2020 - October 2023), the partners developed 3 tools:*

- *the “Eye Contact Detector”, developed to detect the eye contact between child and therapist;*
- *the “sensorised T-Shirt”, developed to collect the child’s physiological signals as ECG, EDA, Body Temperature and Body Movements;*
- *the “Transitional Wearable Companion - TWC” interactive toys, developed to encourage, through sensory motor games, the social interactions between child and therapist.*

*The video gives an overview of the 3 tools, and shows how they were used in pilot tests involving both ASD and neurotypical children.*

*More info on the official project website [www.im-twin.eu](http://www.im-twin.eu). The project has received funding from the European Union’s Horizon 2020 Research and Innovation programme under grant agreement No 952095.”*

## 3. Conclusions

This video is the last planned promotional clip used to disseminate information about the project.

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<sup>1</sup> <https://www.youtube.com/watch?v=h-PuwgxTcP0>