

# Virtual Worlds Connect

Brokerage event

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# Building Safe Virtual Worlds in Europe

Luis Bravo Martins



# XR Data

Electroretinogram (ERG)

Fall tracking (seniors etc)

Electrodermal Activity (EDA)

Facial Scans

Nuclear Magnetic Resonance Spectroscopy (NMRS or MRS)

Environment recording

Audio recording

Optically-Pumped Magnetoencephalography (OP-MEG)

GPS tracking

Plethysmogram (PPG)

Ballistocardiography (BCG)

Electrogastrogram (EGG)

Body movement tracking

Electrocardiography (ECG)

Attention Tracking

Somatosensory Evoked Potential (BAEP)

Skin Conductance Response (SCR)

Magnetoencephalography (MEG)

Body Temperature

Skin Conductance (SC)

Eye Tracking

Transcranial Doppler (TCD)

Continuous Glucose Monitor (CGM)

Electroencephalography (EEG)

Gap

Subdermal ECG needle

Functional Near-Infrared Spectroscopy (fNIRS)

Skin Temperature

Motion Tracking

Heart Rate Variability

Pulse Arrival Time (PAT)

Electromyography

Positron Emission Tomography (PET)

Standard Electrocardiography (ECG)

Near-Infrared Spectroscopy-Based Cerebral Oximetry (NIRS/Ox)

Respiratory (RSP)

Respiratory Rate Variability (RRV)

DECA Wave position Tracking

Electrocardiography (ECG)

Local Field Potential (LFP)

Strength/muscle resistance

Pulse Transit Time (PTT)

Phonocardiogram (PCG)

Intracranial electroencephalography (iEEG)

Pupillary Response

Magnetic Resonance Imaging (MRI)

Functional Near-Infrared Spectroscopy (fNIRS)

Acoustic Respiratory Signals (ARS)

Deep Brain Stimulation (DBS)

Invasive Cardiology (ICG)

Blood Pressure (BP)

Subdural EEG (sdEEG)

Blood Volume Pulse (BVP)

Intracranial EEG (icEEG)

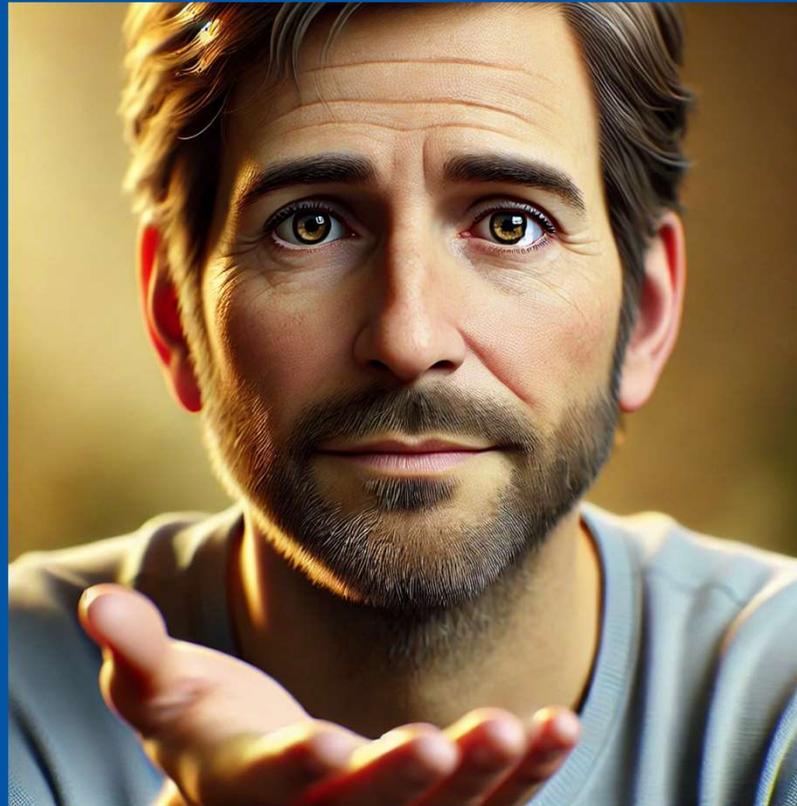
Functional Magnetic Resonance Imaging (fMRI)

High-Density Diffuse Optical Tomography (HD-DOT)

Galvanic Skin Response (GSR)

Gyrocardiography (GCG)

# Data & Trust in Virtual Worlds



# Our Impact



# About Us



Enhance Safety and Privacy  
Practices in XR experiences &  
Virtual Worlds through:

- **Awareness Events**
- **Education & Training**
- **Research & Development**



# Impact Areas



# Our Roles in EU Research Projects



1. Project Partner
2. Specialist subcontractor



# Join us in our mission!



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