INFINITY Presentation

29 November, 2022

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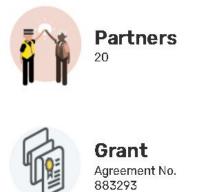
Consortium partners



- 20 consortium members (10 EU member states plus 1 US partner)
- Consortium partners consist of end users, research centres and industry
- Start Date: 01 Jun 2020
- 2nd Pilot in December, 2022.

Project Details

The primary goals of INFINITY are; to revolutionise data driven investigations through the use of artificial intelligence, machine learning and big data analytics to facilitate effectiveness of an investigation and utilise modern innovations in virtual reality, augmented reality and visual analytics in order to facilitate a better intel cycle. Both of which will be driven by endusers and designed to address law enforcement needs.



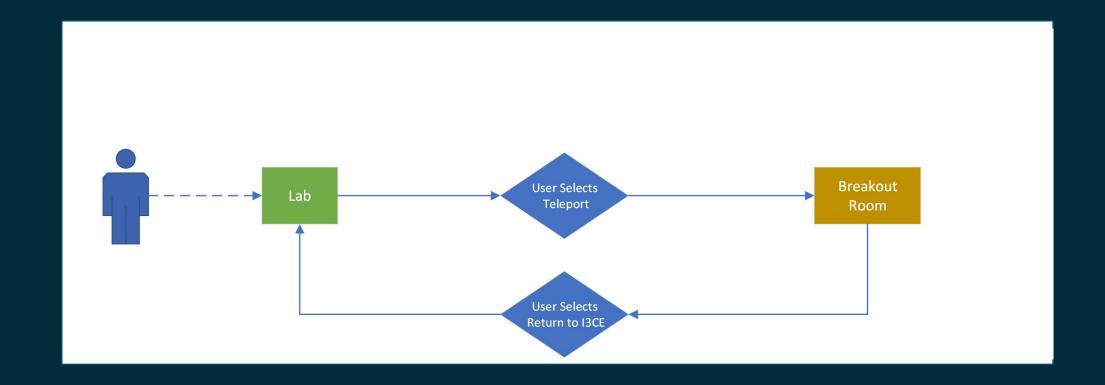




INFINITY

- Is an Immersive and Interactive Virtual Environment platform providing visual analysis capabilities for LEA investigators
- Allows LEAs to work collaboratively on data-driven, crossborder investigations.
- Allows LEAs to share the analytical results of data in ongoing investigations.

Unity to WebXR Transition User Journey





^{*} Investigative immersive and interactive collaboration environment (I3CE)



Revolutionize data driven investigations with artificial intelligence, machine learning and big data analytics to facilitate effectiveness of an investigation



Utilize modern innovations in virtual reality, augmented reality and visual analytics in order to facilitate a better intel cycle

High-Level Goals

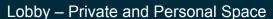


Driven by end-users and designed to address law enforcement needs

Immersive Virtual Workspace

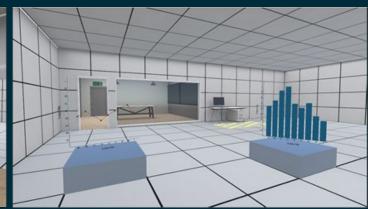
- Initial design of the Immersive Virtual Workspace
- Lobby to provide a private space, allowing users to familiarise themselves within a virtual environment
- Hub/Lab focusing on shared connective spaces aimed to improve awareness and collaboration







Hub - Briefing Space



Lab – Analysis Space

Collaborative natural and gesture-based interaction

system

Static Hand Gesture Recognition based on hand skeleton data coming from RGB camera

















Avatar Customisation interface

Examples of a female and male avatar in INFINITY











Virtual assistant interaction interface





Controlling teleportation-based locomotion with hand gesture



Multimedia Visual Understanding







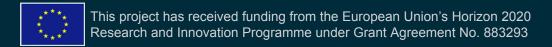


Infinity project

Connection with ROXANNE

- INFINITY will offer the Framework / Context / Host of an Investigation
- ROXANNE offers a Platform for conducting (part of) the Investigation
- Al involved
- Multimedia (analysis) supported





Thank you!!!