## **OBJECTIVES**

- Develop and integrate new media formats that deliver high quality photo-realistic content and create a strong feeling of co-presence in coherently integrated experience.
- Adapt the existing production pipeline to capture and encode multiple media formats and integrate them with state-ofthe-art post-production tools.
- Re-Design the distribution chain so such innovative content format can be orchestrated and delivered in a scalable manner.

- Develop appropriate Quality of Experience (QoE) metrics and evaluation methods to quantify the quality of these new social VR experiences.
- Maximize the impact of VR-Together can have on content creators, producers, distributors, tooling companies, service providers and the general audience.

### **FOLLOW US**





### **PARTNERS**





















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## PHOTO-REALISTIC **IMMERSIVE CONTENT**

VR-Together project aims to offer ground-breaking social Virtual Reality (VR) experiences between users located in remote domestic scenarios, based on photo-realistic immersive content, in a costeffective manner.

VR-Together's consortium has been strategically set up to consist of partners that cover all stages of the production chain in a wellbalanced way.

A combination of leading research institutions i2CAT, TNO, CWI, CERTH, Artanim together with industry actors Entropy, Motion Spell, Viaccess-Orca spread over 4 European countries.



## **PILOTS**

Three pilots, three different episodes of a great story about a murder investigation.

### **Pilot 1: Police interrogation**

Two users watch a police interrogation from the dark side of the room. During the experience, the users can interact and talk about the scene while seeing each other in a photo-realistic quality 3D representation.



#### Pilot 2: Live scenario

Several users experience a live scenario: they are taken to a news broadcast set where, following the story, the background changes and they can view and examine the crime scene.

#### Pilot 3. Interactivity

Extending the experience of the other pilots, users interact with the virtual environment with cause-effect actions.



## **APPLICATIONS & USE CASES**

Current Social Virtual Reality applications focus on abstract user representations, with simplified avatar representations.

VR-Together now offers the possibility of meeting friends, family and colleagues with a photo-realistic look-alike representation, which brings better support to a multitude of emerging applications, such as business meetings and educational experiences.

**GOOD FOR** 

 Business meetings Family experiences

 Social networks Entertainment

Games

Educational purposes

Photo-realistic look-alike avatar

# MAIN FEATURES

The main characteristics of the **VR-Together** platform are:

- Multimedia delivery chain
  Live motion capture workflow development
- 3D rendering engines
- tion with Time Varving the information flow Meshes or Point Clouds
- of content stream • Data orchestration within

Encoding and encapsulation

To set a new standard in social VR using



off-the-shelf products





