



| Collaborative platform |

## Evr@ Platform: Virtual Environment and @ugmented Reality

### FIELD OF ACTIVITY

- Augmented reality and virtual reality.
- Collaborative teleworking.
- Visualization and exploration of massive data sets in biology.
- User-centered immersive interfaces for molecular Interactions.

### EQUIPMENT/FACILITIES

A semi-large-scale platform for user semiimmersion:

- /// 3D visualization screen (3.2 m x 2.4 m).
- /// 3-DLP projector for visualization with high ambient light levels.
- /// Compatible with the use of active stereoscopy.
- /// High-performance graphics and video server.
- /// Sensors for monitoring the user's position and gestures in front of the screen (infra-red cameras, Flystick and markers).

A lightweight, portable platform:

- /// 3D visualization screen (1.5 m x 1.5 m).
- /// Projector compatible with the use of active stereoscopy.
- /// High-performance graphics and video server.

Common sensorial modes for the two platforms:

- /// SPIDAR force feedback systems (2x3D and 1x6D).
- /// Wireless data gloves for capturing the position of the user's fingers.
- /// Videoconference systems.

**Host laboratory** IT for Integrated Biology and Complex Systems (IBISC EA 4526)

**Supervisory body** University d'Évry-Val-d'Essonne

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### ACCESS PROCEDURE

For collaborations as part of French or EU-funded research projects.

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