manzalab
SERIOUS GAME

DGA

NEUROVIRTUAL

AN INNOVATIVE HELICOPTER PILOTING SIMULATION

RESEARCH PARTNERS

ENS cnrs

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TARGETS

Trainees learning helicopter piloting

PROJECT CALENDAR

Project beginning: Q2 2014
Project ending: Q2 2017

FORMATS

IN THE PRESS

L'OBS

THE PROJECT

This simulator combines **helicopter flying** and **EEG (electro-encephalogram) measurement.** It is designed as **an adaptive training tool**, taking into account the learner's EEG feedback to adapt the difficulty of the challenge and proposed route.

This project aims at better understanding learning mechanisms – in particular, it will help identify **the moment from which learners starts performing the flying process automatically.**

PRELIMINARY TESTING

3 levels, using different parameters:
- **Level 1**: move forward and to the side
- **Level 2**: move forward and up
- **Level 3**: move forward and rotate

Within each level, some parameters can randomly change - such as wind, or placement / movement of the targets.