



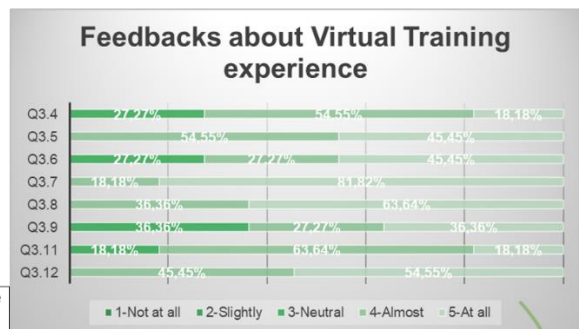
## WP 6: Tools and guidelines for improving/designing a resilient BE assessed through case studies and virtual training

**T6.2 - Assessment of the B-based resilience of the case studies in their current and after applying selected strategies through simulations, users' feedback from VR training. Selection of the best strategies and their technical reliability. Development of tools/guidelines supporting the holistic decision-making process**

### D6.2.2 – REPORT ON USERS' FEEDBACK QUESTIONNAIRES

**ABSTRACT.** After the test sessions of the Virtual Training, on-line and in presence, the questionnaires prepared in D6.1.1 are administered and analysed according to qualitative and quantitative research approaches. The questionnaires will be shared on-line, together with the published Virtual Training, to understand the effectiveness of the Virtual Tour's technical features and level of involvement. While, quizzes will be carried out in presence to test the self-efficacy and the retention of different users' profiles about the acquired knowledge over time about hazard, vulnerability, exposure and safe behaviors to be adopted in case of disaster's occurrence. This Virtual Training will be compared with traditional training sessions based on paper, videos, slides.

The final aim is obtaining feedbacks helpful to **improve the architecture and the training material contents** of the VT tool, and acquiring general insights about strengths and weakness of this innovative manner of enhancing **preparedness**.



Q3.4	Are the functions present in the digital environment adequate and sufficient with respect to the communication of risks and rules of conduct? A: Likert scale: 1 to 5 – not at all adequate and sufficient to very adequate and sufficient
Q3.5	Is the graphic interface of the virtual environment intuitive for the comprehension of its contents? A: Likert scale: 1 to 5 – not at all intuitive to very intuitive
Q3.6	Does the immersive environment allow an in-depth knowledge of the open space and buildings, with regard also to the risk awareness? A: Likert scale: 1 to 5 – no knowledge to very in-depth knowledge
Q3.7	Do you miss orientation and recognition of the environment when going from real 360° photos to BIM based 360° pictures? A: Likert scale: 1 to 5 – not at all to definitely
Q3.8	Does the virtual environment appear a controlled and calibrated system of integrated data? A: Likert scale: 1 to 5 – not at all controlled and calibrated to very controlled and calibrated
Q3.9	With regard to the functions in the menu, is the data hierarchization and the implementation of the information satisfactory? A: Likert scale: 1 to 5 – not at all satisfactory to very satisfactory
Q3.11	Can the employment of the platform be a useful tool for risk communication? A: Likert scale: 1 to 5 – scarcely useful to very useful
Q3.12	Based on your job activities/university experience, do you believe that the use of innovative tools that exploit Virtual and Augmented Reality techniques can help and promote the awareness of the built environment and risks? A: Likert scale: 1 to 5 - It does not favor the awareness of the built environment and risks to It promotes, in an exhaustive way, of the built environment and risks

### IMPROVEMENT OF VIRTUAL TRAINING EXPERIENCE

