



## SUDS Resilience Planning Simulation- SPRSim



*Thank you very much for agreeing to participate in this survey. The information provided by you in this questionnaire will be used for research purposes and improvements. It will not be used in a manner, which would allow identification of individual responses. To the best of our ability, your answers in this study will remain confidential. We will minimize any risks by the GDPR rules within ARU.*

### SUDS Resilience Planning Simulation- SRPSim

#### Engagement Questionnaire (EQ):

**Please choose your answer to the best of your knowledge. You could use the provided spaces for additional comments.**

#### 1. Gender

<i>Male</i>	<i>Female</i>	<i>Prefer not to say</i>
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#### 2. Age Range:

<i>20-35</i>	<i>36-51</i>	<i>52+</i>
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#### 3. I felt competent as I learned more about the SRPSim

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

#### 4. The SRPSim had a positive effect on me; I felt content, and happy

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

#### 5. I had to put a lot of efforts into the SuDS adoption and selection and felt frustrated

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**6. The SRPSim kept me on my toes but did not overwhelm me**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**7. It was challenging but stimulating**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**8. I was fully absorbed by the SRPSim**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**9. I enjoyed playing the SRPSim**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**10. I learnt more about resilience and its evaluation as a result of playing the SRPSim**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**11. I really tried to design SuDS for flood mitigation**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**12. I was so absorbed into the lost track of time**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**13. I think SRPSim is an effective for resilience-informed SuDS planning tool**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**14. The SRPSim helped me to gain more knowledge about the SUDs arrangement and efficiency**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**15. I would like to continue playing the SRPSim and interacting with the virtual environment until I get a better Suds planning Total Score (improve my performance based on the feedback I receive)**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**16. The influence of the SRPSim was as deep as a real life**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**17. I felt calm while playing the SRPSim**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**18. I felt bored**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**19. I was engrossed forgot everything around me**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**20. The resilience-driven multi-objective model in SRPSim could transform SuDS design and planning process.**

<i>4. Strongly agree</i>	<i>3. agree</i>	<i>2. Neutral</i>	<i>1. disagree</i>	<i>0. Strongly disagree</i>

**EQ-part two- Please answer the questions below in your terms:**

- 1. What do you think about the relevance of the SRPSim to improving flood resilience?**

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- 2. How long did it take you to familiarise yourself with the SRPSim?**

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- 3. During the SRPSim playing session, did you focus on the remaining time? Please tell us more about your experience.**

**4. What didn't you like about the SRPSim?**

**5. How did you find the feedback on the scoring system, quality of life index, and cost calculation in addition to Resilience in the SRPSim and how would you change it?**

**6. What addition would you like to see implemented to make it more interactive, interesting and user friendly?**

**7. Between the SRPSim play features and visual features which one do you find more compelling and which one was lacking?**

**8. Please, give your recommendation on how we can improve the training tool.**

**9. What effects do you think it can have on educational environment?**

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