

## Supplementary Material

Hereafter, you will find the full content of the survey questionnaire, which was designed to evaluate the usability of the online application „BODENTIERhoch4“ and the degree of project engagement. Questions that were subject to the study analyses are highlighted in bold characters. Answer possibilities are separated by semicolons.

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Dear user,

the online application "BODENTIERhoch4" is a result of our work in the project "museum4punkt0 - Digital Strategies for the Museum of the Future". As one of six partners in this nationwide project, we are developing and testing digital applications for future use in museums. To further improve BODENTIERhoch4, we would like to hear your opinion and ask you to answer the following questions. All information will of course be treated with strict confidentiality. Thank you for your support!

**1. How old are you?** (Single choice)

10-19; 20-29; 30-39; 40-49; 50-59; 60-69; 70+

**2. In which context have you used BODENTIERhoch4?** (Multiple choice)

School; University; Private context; Other context

**3. Have you attended a training workshop? (Q1)** (Single choice)

Yes; No

**4. How many times have you used BODENTIERhoch4 before?** (Single choice)

1; 2-4; 5-9; More than 10 times

**5. With which device did you use BODENTIERhoch4?** (Multiple choice)

Smartphone; Tablet; Laptop; Desktop-computer

**6. Did BODENTIERhoch4 run without any technical problems on your device?** (Single choice)

Yes; No

**7. Do you already have experience with the identification of animals and plants?** (Likert scale, ranging from 1 (is completely true) to 6 (is not true))

1; 2; 3; 4; 5; 6

**8. For which groups of animals and plants do you already have experience with taxonomic identification?** (Multiple choice)

Amphibians; Bats; Beetles; Birds; Butterflies; Flowering plants; Fish; Mushrooms; Reptiles; Spiders; Trees

**9. Do you have experience with literature on taxonomic identification?** (Likert scale, ranging from 1 (is completely true) to 6 (is not true))

1; 2; 3; 4; 5; 6

**10. Do you have experience with interactive character-based identification keys?** (Likert scale, ranging from 1 (is completely true) to 6 (is not true))

1; 2; 3; 4; 5; 6

**11. Do you have experience with image recognition-based identification applications?** (Likert scale, ranging from 1 (is completely true) to 6 (is not true))

1; 2; 3; 4; 5; 6

**12. The use of BODENTIERhoch4 is intuitive.** (Likert scale, ranging from 1 (is completely true) to 6 (is not true))

1; 2; 3; 4; 5; 6

**13. The selection of images in BODENTIERhoch4 is extensive enough for the identification of soil organisms.** (Likert scale, ranging from 1 (is completely true) to 6 (is not true))

1; 2; 3; 4; 5; 6

**14. The quality of images within BODENTIERhoch4 is sufficient for the identification of organisms.** (Likert scale, ranging from 1 (is completely true) to 6 (is not true))

1; 2; 3; 4; 5; 6

**15. The texts and character descriptions in BODENTIERhoch4 are easy to understand.** (Likert scale, ranging from 1 (is completely true) to 6 (is not true))

1; 2; 3; 4; 5; 6

**16. Were you able to improve your species knowledge through BODENTIERhoch4? (Q2)** (Likert scale, ranging from 1 (is completely true) to 6 (is not true))

1; 2; 3; 4; 5; 6

**17. Has your interest in soil animals been increased by BODENTIERhoch4? (Q3)** (Likert scale, ranging from 1 (is completely true) to 6 (is not true))

1; 2; 3; 4; 5; 6

**18. Will you continue to use BODENTIERhoch4 in the future? (Q4)** (Likert scale, ranging from 1 (is completely true) to 6 (is not true))

1; 2; 3; 4; 5; 6

**19. Will you report your own soil animal records via BODENTIERhoch4 in the future? (Q5)** (Likert scale, ranging from 1 (is completely true) to 6 (is not true))

1; 2; 3; 4; 5; 6

20. Any other opinions, comments or recommendations you would like to share with us? (Open question)

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