



## Alternative fieldwork, “real-world” communities

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Virtual fieldwork, real-world communities

# Alternative fieldwork, “real-world” communities



## Methodology

observation of two fieldwork experiences

SFX206 Environmental Science fieldcast 2021 (JC)

Field Studies Council's *Conserving Marine Mammals* 2021 (SB)

online survey of fieldcast participants (JC)

semi-structured interviews with stakeholders (JC & SB)

literature review (HK)

horizon-scanning (SL)



Bryman, A. (2004). *Social Research Methods* Oxford: Oxford University Press

Couper, M., Traugott, M., and Lamias, M. (2002). Web survey design and administration *Public Opinion Quarterly*. 65, 230-253.

Groves, R., Fowler, F.J., Couper, M.P., Lepkowski, J., Singer, E. and Tourangeau, R. (2004) *Survey Methodology*. Wiley Series in Survey Methodology. Wiley Interscience, 1st Edition

Tong, A., Sainsbury, P. and Craig, J. (2007) Consolidated criteria for reporting qualitative research (COREQ): a 32-item checklist for interviews and focus groups. *International Journal of Quality in Health Care*, 19(6), 349-357

# Alternative fieldwork, “real-world” communities

## Field experiences

social experience

fieldtrip

fieldwork

field course

# Alternative fieldwork, “real-world” communities

## Alternative and analogous experiences

broadcasting

remote fieldwork / fieldcasting

virtual visits

virtual reality

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*"for distance learning students with limited time, the thought of having to get to know a load of people as well sometimes feels like an extra overhead" (T5)*

*"you can basically go wherever you want to go ... if you want to do the future in the Arctic it's possible ... in the virtual" (S1)*

*"anybody from around the world can engage with our materials not just people who live within a certain kilometre distance of our centre" (S5)*

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*‘Asking whether virtual field trips can replace traditional field trips is perhaps the wrong question ... An integrated approach of lectures, virtual and real-field trips supports a social constructivism mode of learning and allows students to construct multiple links between lecture content and the world outside the lecture hall’ (Friess et al., 2016, p.562).*

Friess, D., Oliver, G., Quak, M. & Lau, A. (2016) Incorporating “virtual” and “real world” field trips into introductory geography modules. *Journal of Geography in Higher Education*, 40, 546-564.