Due to the COVID-19 pandemic, higher education institutions have faced the challenge of a rapid rethinking of the training provided in their doctoral programmes as well as the social support offered to doctoral researchers. Doctoral researchers need different skills to do research under lockdown conditions as well as to reconsider the design of their research projects. In this context, we have not only seen internal adjustments by individual universities, but also a rapid raise of sharing of online reflective narratives, conferences, social media conversations and curated content on researching during a pandemic.

The following are examples of efforts made in the UK to help transitioning research activity to an online setting.

Doing qualitative research on inequalities during Covid by the University of Sheffield.

Digital Ethnography Collective by London School of Economics.

Methods LAB by Goldsmiths, University of London.

Research during the pandemic by the University of Edinburgh

In the future, examples like these of curated research advice could be promoted not only at an institutional level but also among doctoral supervisors and students around the world.
Higher education institutions are having to acknowledge more explicitly these pressures and provide support to minimise impact on doctoral studies. For example, at The Open University in the UK, previously, doctoral students were only permitted study breaks on the grounds of certified ill health, employment related difficulties (intensification of workload) and maternity, paternity and adoption leave. However, domestic commitments are now being recognised as valued reasons for disruption of study or extension requests during the pandemic. Moreover, if the need for a study break is directly attributable to COVID-19, it is not counted as part of the regulatory entitlement and students may take as much time off their study as their circumstances require. In our institution, there has also been an ethical change in a previous restriction to part-time students accessing counselling services – any doctoral researcher can now make use of this valuable online support when struggling for their competing demands.

**Redesigning the research**

Universities have advised doctoral researchers to revise their research plans with social distancing restrictions in mind. The shift from doing face-to-face fieldwork to researching remotely from home has required greater reflexivity from doctoral researchers. Reflexivity “constitutes a process of meta-learning – not only reflection in but on action” (May & Perry, 2017), and this is exactly what postgraduate students have been forced to do. For instance, in her notebook entry for the *International Journal of Social Research Methodology*, Bea Gardner (2020) reflects on the process of reframing, adapting and introducing new methods in her PhD research. Her considerations from the initial postponement of researcher data collection to the reframing the focus of her research to increase its relevance in covid-19, and to adapting her methods to be remote and introducing new ones represent the uncomfortable “reflexive messes” (May & Perry, 2017) arising for researchers from the current social reality.

In the past year, digital environments have helped redefine postgraduate research practices. In addition to data generating technologies – conferencing software for synchronous interviews or focus group discussions, digital (audio or visual) diary for researcher reflections (Gardner, 2020), or research participants self-reporting (Goldstein et al., 2020) instant messaging, online surveys – doctoral researchers are making use of data already digitally available such as blogs, websites, social media discussions and other open access resources and available secondary datasets. A wealth of resources has...
been developed to support researchers successfully adapt and design remote research, such as the COVID-19 resource collection by the National Centre of Research Methods. In fact, it could be argued that one of the implications of researching in a digital world could be the emergence, institutionalisation and stabilization of more researcher-centred technologies which may facilitate more inclusive research. Already in 2015 the OU in the UK launched OpenSTEM Labs, an internet-based laboratory, including on-screen interactions, for science research at a distance. This kind of initiative led by a distance education university could inspire digital innovation for research and could revolutionised the training of doctoral researchers around the world.

**Sense of belonging to a research community**

Social distancing has not only affected fieldwork of doctoral studies, but also their study experience through closure of universities. Wang and DeLaquil (2020) have highlighted through the lens of person-environment theory, that researching from home has displaced the ‘indispensable’ interpersonal relationships of the doctoral student experience to the virtual environment. This interpersonal dimension is key for our sense of belonging and lack of it can affect our wellbeing, but there has been little research on the sense of belonging in graduate communities (Stachl and Barager, 2020).

The closure of the OU’s Milton Keynes campus as a result of the pandemic moved all regular research-related activities online. Mindful of the importance of interpersonal relationships, in addition to running online research training the Graduate School at the OU has adapted previous social opportunities such as the ‘Bake Your Research’, ‘Take Away Tuesdays’, weekly ‘Coffee Mornings’ and an annual residential to take place remotely, as well as creating new opportunities for social interaction such as a dedicated Microsoft Teams spaces, Wellbeing (mindfulness) sessions, and Student led Saturday seminars. Faculties across the university have created other digital events, such as the Research re(imagined): (Post)pandemic perspective conference for and organised by doctoral researchers in the Faculty of Wellbeing, Education and Language Studies.

**Conclusion**

The disruption in doctoral research arising from the COVID-19 pandemic discussed in this paper has had a direct impact on doctoral researchers’ wellbeing, fieldwork mobility and universities’ management of the doctoral programmes. We see a long-term change in postgraduate research education occurring, including one that supports hybrid interaction, both online and face-to-face, in both training provision and research. Successful change not only depends on adaptation by individual institutions but also on shared knowledge and resources among them. Furthermore, in post-pandemic times, some of the new configurations of personal/study/work life will remain, therefore, institutional measures for doctoral researchers’ general wellbeing under these conditions may need to become a permanent feature, including increased flexibility in study arrangements and enhanced online services.