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What future/s for outdoor and environmental education in a world that has contended with COVID-19?

Introduction

John Quay, Tonia Gray, Glyn Tomas

The COVID-19 pandemic has had dramatic impacts across the world. The illness and death, the fear and trepidation, the domestic violence, the economic misery: the pandemic has had some very drastic and tragic consequences. For some the isolation has been disastrous, for others it has been a welcome slowing down of life and a chance to reconnect with aspects of living that seemed unachievable beforehand. The effects have not been equal.

For many involved with outdoor and environmental education the pandemic has been particularly difficult, with lockdowns meaning that programs have had to be cancelled, and in many places these lockdowns continue. But what does this all mean for the future of outdoor and environmental education? What are the possible futures that can be imagined once the pandemic has subsided? These questions cannot, of course, be separated from present experiences of the societal impacts of COVID-19. And these are continually changing.

With this conundrum in mind, the editorial board of JOEE decided to pull together short statements from its members which responded to the title question above. Each statement is a maximum of 500 words, so that together this range of views could form a more coherent snapshot of perspectives from around the world. The international spread of the JOEE editorial board means that there are responses from Australia, Canada, Japan, New Zealand, Norway, Singapore, and the United Kingdom. The responses are presented in alphabetical order, by way of the first author's surname.

When the mountains can't speak for themselves

Sandy Allen-Craig

Much has been written about how the world will be different post COVID 19, but for those whose passion is outdoor and environmental education, perhaps the most worrying concern will be if the world is not different, if we just end up reverting to the way things were. Will we talk about these times as a momentary "glow," where the non-human world has had a chance to breathe? Or will this be an opportunity for a different world for all living things?

Educators have been asked to re-invent our teaching and our courses. We have adapted creatively in the online world and our students have achieved the learning outcomes. The program costs were minimal and the risks almost nil. We have delivered in-depth and comprehensive content. And let's face it, we haven't missed the endless paperwork and risk assessments and laying awake the night before a fieldtrip listening to the wind howling and knowing that at first light we will have to make changes.

As outdoor and environmental educators who have had to modify and re-think our face to face classes and field work, there has been opportunity to refocus our attention closer to home. Our virtual field work has explored the nooks and crannies of our local terrain. For many it's a new discovery of local parks, beaches, trees and wildlife. No more endless miles and energy spent getting to the national parks, the distant mountains or the coast and surely there is value and learning to take from this.

But things in this virtual learning world are not quite right. There's no joy of learning. There's no "light bulb" moments nor witnessing of awakening when skills, knowledge and experience all come together to offer real life learning. It lacks the constant dialogue, chatter, the jousting of ideas, the growth, support and care. These couldn't penetrate the firewalls of our online worlds.

In the days to come we will be asked to justify the power of experienced based, student centred learning in natural environments. We will acknowledge what we've learnt from our online journey and we will put it to good use. Our pre-trip work content and front loading will be more purposeful, freeing up space for 'place', the adventure, the lived experience and the chance to be present, with their community, oneself and the natural world.

Our students feel imprisoned and have had enough of this virtual world. They want to jostle, laugh and hug their friends. They want to *feel* the presence of their class mates, the paddle in their hand and the tug of the wind. They want the real learning that occurs as it's lived in the moment *with others*. This is our post COVID 19 challenge ... to ensure that our outdoor and environmental education is not relegated to the virtual world, disconnected from mountains and forests, the natural tangible places where real palpable learning occurs, where the mountains can speak for themselves.

Post COVID outdoor education: forwards or backwards?

Morten Asfeldt

As with many outdoor educators, I have devoted my career to providing students with rich outdoor learning experiences. This has been a rewarding and challenging experience. In the Canadian post-secondary sector, outdoor education (OE) is a young discipline. The pioneers of OE in Canada, and globally I expect, are often motivated to create and build OE programs because they have experienced the powerful learning that can happen in well-designed outdoor experiences that engage student in holistic and purposeful learning. At their root, I believe OE programs are effective because they embrace age-old good teaching practices; OE is not innovative, it is just plain-old-good teaching.

One potential benefit of COVID is it may force universities to abandon the rhetoric of innovative-active-engaged-learning that has been commonly embraced as they address critics of current undergraduate teaching traditions. As we are forced to teach remotely, the strength of well-designed face-to-face teaching common in OE such as strong student-faculty connections, immersion in the content and learning process, engagement in local environments where students see the relationship between what they are learning and their present and future lives may be revealed; common OE practices may be recognized and appreciated as university teaching is turn-on-its-head and the shortcomings of online teaching are realised.

In addition, COVID is also forcing universities to re-examine their budgets. In my situation, OE has been perceived as “expensive” because we take students off campus. Ironically, as we examine our budgets, we have realized that some non-OE courses are taking students on one day field trips for the same cost as taking 20 students on a 7-day OE experience. This may be an opportunity to debunk the cost myth.

On the downside, if faculty do a great job of online learning, it could be the demise of OE and other experience-based pedagogies. If universities can build a case that online teaching is as effective as in-person teaching, they stand to save millions of dollars by not having to build and maintain teaching space, faculty offices, and labs. While there are faculty who provide effective online OE learning experience (primarily at the graduate level, I think), it is difficult to imagine effective online undergraduate teaching where we are providing foundational experiences and knowledge (Smith, Dymont, Hill and Downing, 2016).

Having “paddled upstream” to build and support OE in post-secondary education, I hope that we can use the COVID experience to enhance OE. Therefore, I encourage us to watch for opportunities to demonstrate the power of traditional OE practices and highlight benefits to students. In this time, highlighting benefits related to wellbeing and mental health resulting from spending time outside in social learning situations might be particularly beneficial.

A Norwegian and Danish perspective

Simon Beames, Søren Andkjær and Kirsti Pedersen Gurholt

During the COVID-19 ‘lockdown’, anecdotal reports and state media indicated that many Scandinavians had taken additional opportunities to recreate and exercise outdoors. While this may be the case, other reports have expressed concern for citizens who have not been able to access green spaces, and who have been living in close quarters with large groups of relatives (Reuters, 2020).

Norway’s *Children living in poverty* strategic document (2015) highlights how children from ‘an immigrant background now make up over half of all children in financially vulnerable families’ (p. 14), and ‘generally participate much less in traditional Norwegian leisure activities’ (p. 14). The research in Denmark is similar, with studies showing that citizens with lower educational backgrounds are less active in sport, and that adult immigrants are less active in friluftsliv when compared to adults born in the country (Schipperijn et al., 2010). Norwegian and Danish state policy has promoted ‘friluftsliv for all’ as a means to addressing

issues of equalities and diversity. An extended review of literature reveals an under-researched area of study featuring widespread environmental inequality, with lower income and minority groups much less likely to use greenspaces for recreational purposes.

Globally, we know that outdoor recreation practices are strongly linked to positive mental and physical health outcomes. Indeed, a 2019 paper in *Nature* concludes that a growing body of evidence strongly links greater contact with natural environments to better health and well-being (White et al., p. 1). The paper strongly connects the benefits of living in greener areas with lower probabilities of cardiovascular disease, obesity, diabetes, mental distress, and higher levels of self-reported health and well-being.

History tells us that pandemics hit society's most vulnerable citizens the hardest, and it is no surprise that COVID-19 has disadvantaged people in countries without a social welfare safety net, and in countries where there is no universal health care. While Scandinavian governments have a reputation for providing for their citizens, reports are emerging that show how the influence of COVID-19 in Scandinavia is racialised and linked to lower socio-economic power (see for example, Reuters, 2020). While friluftsliv has been historically distinguished by the Scandinavian cultural feature of free public access to private and public land¹, important discussions need to be had, and subsequent actions taken, to address the socio-cultural and economic barriers that co-exist with the 'friluftsliv for all' policies in Norway and Denmark.

An international think-tank recently highlighted how existing 'inequalities in the uptake of ecosystem services' and the 'unequal socio-spatial distribution of urban green space' will likely be exacerbated by the Corona lockdown (Barton et al., 2020, para 4). It seems clear that the Corona pandemic has amplified existing patterns of inequalities in use of the natural outdoor spaces. We support a growing chorus of calls for research to investigate the ways in which certain socio-cultural factors have enabled or constrained the ability of specific populations to access nearby natural spaces, and the health benefits that come with them.

Aotearoa New Zealand amidst a pandemic lockdown

Marg Cosgriff

The nationwide level four lockdown response to COVID-19 in Aotearoa New Zealand began one second shy of midnight on Wednesday 25 March, 2020. Other than for "essential" workers and services, the government message to our so-called "team of 5 million," was to "stay home in our bubbles," and to "be kind."² Amidst the upheavals, uncertainties, and the blanket of silence (and for some, birdsong) that descended on many urban neighbourhoods nationwide, it became apparent that the ripple effects of COVID-19 were being experienced very differently in different communities. Some, like myself, have been privileged enough to retain employment, blending home and work lives in generally manageable ways. This has

¹ Land access is managed differently in the three Scandinavian countries

² In Aotearoa New Zealand, a four level response to COVID-19 was implemented nationwide by the Government. On May 29, 2020 we remain in Level 2. For details about what life has 'looked like' for New Zealanders, see <https://covid19.govt.nz/>

meant maintaining “socially distant” activity in local neighbourhoods (many blessed with access to beaches and parks), all the while knowing that whanau (family) were safe. Others, both here and internationally, have experienced the opposite on a scale that is hard to fathom.

For me, any re-imagining of possible futures for outdoor and environmental education in a world contending with COVID 19 must necessarily keep in sight the understanding that this has been a deeply personal experience. However it has also been firmly enmeshed in longstanding social, political, ecological, and economic conditions and inequities. If I had just one proposition to offer about the futures of outdoor and environmental education, it would be that I/we work steadfastly in our own backyards to eschew understandings and practices that are blind to the social, health, economic and environmental disparities that have been further escalated by this pandemic.

Looking forward, I’m not exactly sure what this might mean for my professional practice. I suspect that some questions have become even more important: about who we are working alongside (students, colleagues, peers), and what grappling with COVID 19 has meant for their individual and collective sense of who they are *and* where they are. And in addition, how are the lands, seas, trees, and other more-than-human entities and elements we are entangled with in outdoor and environmental education – our version of “essential” workers and services – part of these conversations?

One thing that has struck me over the past two months in my own neighbourhood is the sense of wellbeing, sustenance, and enjoyment that I and others have drawn from simply being able to be out and about: in-place(d), and sometimes making a contribution to, local communities and environs. Little to no cost or ‘footprint’ involved, and firmly grounded in the places and beings around our doorsteps. Maybe this is suggestive of the first steps I’ll take in moving forward.

A lesson on what matters most

Susanna Ho

In Singapore, the character and citizenship education (CCE) curriculum has been the mainstay of its education system. It articulates a set of socio-emotional competencies and national values that are being taught over time (Ho, 2014). The COVID-19 situation presented itself at the dawn of a refreshed CCE curriculum and put to the test the nation’s years of values and citizenship inculcation. The emergence of the COVID-19 crisis has brought to fore the values and attitudes of Singaporeans and put us in a hurry to navigate a new normal, from how we teach to how we interact and function as a society at large.

How the nation responds to the crisis is indeed a litmus test of its character and whether the CCE curriculum has indeed been effective. COVID-19 is an opportunity for us all, especially in education to reflect more deeply about curricular content and pedagogies that influence humanity. Well-being literacy and e-pedagogies are just two of the many that come to mind.

Moving forward, blended learning approaches would be more prevalent in a post- COVID world, even for outdoor education that used to be assumed as not being easily replicated in the classroom. Therefore, more outdoor educators would need to equip themselves with e-pedagogy. Common principles for e-pedagogy would be a crucial step in aiding understanding of e-learning (Simuth and Sarmany-Schuller, 2012). Instead of rejecting its emergence, blended teaching principles of outdoor and e-pedagogies will require a focus on what might best be done in the physical field, and what could best be done online. The latter may take the form of flexible provision and wide access to learning resources. This will also entail a re-thinking of current teaching and learning practices.

Well-being literacy, in addition to numeracy and literacy, would gain emphasis in the Singaporean curriculum. The “circuit breaker”³ saw an increase in the number of individuals coming forward for financial help as well as calls to mental health helplines. Mutz and Müller (2016) presented two pilot studies that both demonstrate that outdoor adventures have mental health benefits for youths and young adults. Hence, improving accessibility of outdoor experiences for adolescents should continue to be a critical component of social policies, such as, the full integration of outdoor adventure programmes into the future school curriculum.

A right old adventure!

Mark Leather

As we entered lockdown, I recall the last conversations I had with my anxious and uncertain students and in my best reassuring/London tones stated, “Well this is gonna be a right old adventure isn't it? Big elements of risk and definitely an uncertainty of outcome.” I intended these words to be reassuring, as much for myself as them, drawing on the knowledge that as outdoor educators this is exactly what we're used to, and who better to survive the coming storm! We are creative problem-solvers in the field, tough and resilient, able to reflect on emotions, taking care of ourselves and the whole group.

The boating metaphor is useful, especially for me as a sailor (how I miss the sea and boating!). But the “we are all in this together mantra” is clearly not accurate – as we see the already deep inequalities in society magnified through the covid-19 lens. We may all be in the same storm, but some have already drowned, tossed in the water, some thrown a lifebelt while others enjoy the security of a modern lifeboat – lockdown privilege safe at home.

I know I was scared and angry (my government slow to react to an obvious international crisis) and feeling like an extra in a dystopian science fiction movie. I am still angry, anxious, and feeling a little lost. Roller coaster days of emotions and the exhaustion of using new technologies to support students and colleagues. I am a people person – and I miss people – especially the informal and accidental encounters. I also embrace that this is hard. That's OK! Brene Brown's (2013) work is useful. We're going to be OK, the storm will pass, as our adventure becomes the “new normal.”

³ Singapore's language for a what is known more commonly as a lockdown.

Where am I now? Feeling more connected than ever before. More regular team meetings, numerous tutorials and fantastic international conversations with creative and thoughtful friends/colleagues. This is a wonderful sense of connection. I have no doubt that as we exit the pandemic our society will look and be different. I am certain that the neoliberal management of the academy will see the benefits, economies and efficiencies of online working. Currently, as the academic year ends and assessments require grading, I am enjoying the creative construction of new online teaching. I have argued elsewhere how technology can give us greater affordances with nature (Leather and Gibson, 2019) and see the opportunities that this can provide. It is also massively time consuming and reminds me of the start of my teaching career – years ago in B.G. time (Before Google).

While I can see how to connect with students and teach outdoor education online, there are some experiences identifiable as classic outdoor education that cannot be replicated: canoe expeditions, sailing trips, shared meals, campfires, handshakes and hugs, the embodied and the visceral. The decisions we need to make moving forward will be deciding which of those we wish to hang onto and which experiences we need to let go. The next stage of the adventure awaits!

Bringing outdoor, environmental, and indigenous education closer together

James T. Neill and Dorothy Foley

In response to COVID-19, outdoor, environmental, and indigenous education could come closer together and use the opportunity for re-growth to develop pathways into a sustainable future. Let's consider.

Nothing has changed due to COVID-19

Mountains, rivers, plants, animals, etcetera, are unaffected by COVID-19 and may even have benefited by humans limiting their frenzied activity. Most outdoor organisations in Australia and New Zealand have been eligible for wage subsidies whilst in hibernation. Industry guidelines have been developed to limit potential spread of COVID-19 (Outdoor Council of Australia, 2020). So, the upshot is that, when organised groups are ready, there are no inherent issues in returning to outdoor learning activities.

On the other hand, everything has changed

The Anthropocene is well and truly upon us (Steffen et al., 2011). Coming on the back of the 2019-2020 Australian bushfires and the broader threats and impacts of climate change, COVID-19 brings us to an existential crossroads. The path ahead could be difficult. The outdoor sector's seasonal nature, thin margins, and reliance on short-term casual employees (who aren't eligible for wage subsidies) will impact organisations' chances of survival. Organisations which survive will need to adapt to rapidly dawning 21st century realities.

However, COVID-19 also presents opportunities. Lockdown has heightened people's appreciation of the natural world (Crossley, 2020). More flexible working arrangements have been embraced. Families have conducted their own educational experiments. And educators around the world have explored new ways of engaging students with outdoor

learning (e.g., Teaton, 2020). With all options on the table, maybe we can use the COVID-19 hiatus to foster a more holistic, integrated style of outdoor and environmental learning.

Bringing outdoor, environmental, and indigenous education closer together

Outdoor education split from environmental education and largely ignored indigenous education over the past 100 or so years. Outdoor education often uses physical adventure to learn the capabilities of our minds and bodies. However, tearing through an environment without seeking to understand it, doesn't make sense. Arguably just as much might be learnt by sitting in place and observing and interacting with that place over time, or by listening to an Indigenous creation story and participating in a yarning circle, or by learning how to work with nature (e.g., foraging, hunting, gardening, and sustainable farming) to harvest sustenance. Such eco-integrated outdoor activities could provide novel learning experiences for post-industrial societies whose citizens have largely lost touch with the activities of deeply-rooted subsistence living.

Beyond COVID-19, towards sustainable human living systems

Developing sustainable living and planetary stewardship skills could be at the nexus of a next generation of outdoor-environmental-indigenous education for a post-COVID-19 world. How about embracing the Sustainable Development Goals (United Nations, 2015) and equipping people with the wherewithal to respond to the demands of our time? How can outdoor and environmental education learn from, and contribute to, Indigenous knowledge and reconciliation? Essentially, the challenge is this: How are we going to provide people with the skills, experiences, and motivation to build sustainable living systems?

'Doing' field trips by distance

Chris North

Field trips are a central part of outdoor education (OE) (Thomas , 2015) and I believe particularly critical in exploring the myriad relationships between people and land. Under COVID19, my field trips were cancelled and students dispersed to their "homes" around the country and around the world. I needed to re-create the field trip (learning about cultural and ecological histories, skills and safety, and direct experiences of a place with a skilled outdoor educator) through a distance version. In this I was inspired by Simon Beames' experience during another disruptive episode; he and his students were in Norway when the Icelandic volcanic eruption halted all flights (Beames and Brown, 2016). Beames felt that the learning of his students was deeper in the authentic problem of finding the way back to Scotland than the ski-touring journey. Always the optimist, I hoped this new "distance" field trip could be authentic in ways I could not imagine.

Enactment

I grouped ten students together with an educator via googledocs. In this document, students created links to a field trip safety plan, had the trip approved by their instructor, completed the trip, took photos and recorded a short presentation on an aspect of a place. Students then watched each other's presentations and provided feedback.

Opportunities and limitations

I noted an inversion of expertise and familiarity; instead of educators having knowledge of the field trip area, students introduced us to their localities. Students also needed to undertake the educator's role of selecting a location with rich opportunities for exploring a particular topic. Through these experiences, students examined the places within the immediate vicinity of their homes more closely; and by viewing presentations from others, they could come to see connections nationally and globally. These aspects were new and placed the voices of fellow students front and centre in the learning.

However, I felt concerned about the lack of emergent learning from being *together* in a *physical place* and students missing out on the modelling and facilitation of skilled educators. Initial student feedback generally supports this analysis.

The future of field trips done by distance

There were some unexpected affordances and also some limitations of the distance field trip. I plan to incorporate student-led exploration of their home localities and build in closer connections to their field trip instructors earlier in the course (through online meetings). I worry that with the global shift towards online learning currently occurring, educational institutions could potentially consider field trips as an unnecessary and costly relic of the past. Others have explored taking elements of OE online (Dyment, Downing, Hill, and Smith, 2018), but in-person and in-place field trips remain at the heart of OE. This global disruption has forced me to look at my established practices with fresh eyes, it has also reinforced for me the power of field trips.

Hope in England at a testing time

Rowena Passy

It's tempting to think of the neoliberal capitalist system in terms of a Pandora's box – offering the promise of a Golden Age of prosperity, it has also unleashed untold destruction across the globe and, in 2020, a new form of Illness and Misery in COVID-19, with Want not far behind (Fry, 2018, p.137). For the residential centres and outdoor professionals in England, the pandemic has been a disaster. A survey by the Institute of Outdoor Learning (IOL, 2020) reports that “Many organisations expect to close and many more may not recover in time”; the loss of income in the sector is estimated at £275 million until mid-2021, and the workforce is likely to be substantially reduced.

Other consequences will take longer to become apparent, in particular relating to mental health issues (Roxby, 2020). We know that being outdoors supports health and wellbeing (e.g., Department for the Environment, Food and Rural Affairs et al., 2017) and, at this time of year, the outdoor residential/adventure sector generally offers outdoor activities to around 90,000 young people a day (IOL, 2020). These will be missed this year. Schools have been shut since March 23rd for all except children of key workers, restricting the lives of many more. Gradually, as schools and centres re-open, we can assess the impact of disruption enforced by COVID-19.

So where is Hope in all this? Metaphor – *meta phora* – is a carrying across; we can carry across the effects of the pandemic in re-starting the old system, or choose to embrace the

new way of working that is forced upon us. Difficulties with social distancing suggest that taking learning outdoors is a practical solution for schools, and in England we have a sector that is experienced in supporting schools with this. While the diversity within schools makes generalisations difficult, research shows that an increasing number of teachers are including outdoor learning in their practices, signifying an openness to different ways of working.

More profoundly, the choices we face offer the opportunity to re-think the system by supporting the development of citizens ready to face twenty-first century challenges – such as environmental degradation – that require informed, open-minded and democratically-engaged citizens. Outdoor learning should be centre stage in such an endeavour; we know that it has a positive effect on children’s engagement with and enjoyment of learning, connection to nature and their social skills (Waite et al, 2016). Equally we know that the expertise to support teachers in outdoor learning is readily available, although to date it has had limited traction with the school sector. The UK’s Council for Learning Outside the Classroom are now seeking to mobilise the relevant sectors to support schools re-opening. By helping providers to work better together, the Council aims to create a more coherent and extensive service for schools to take their learning beyond the classroom and embed it in their practice. The challenge is to scale up and coordinate delivery from a provider sector that is at the same time severely hit by school closures and travel restrictions. Watch this space.

Learning from COVID-19 and outdoor education as events

John Quay

COVID-19 has changed many things, at least temporarily. This is what outdoor education does, too, but on a smaller scale. An outdoor education program is a temporary event, a “temporary community” (Slater 1984), which changes things for participants.

COVID-19 and outdoor education have other similarities.

COVID-19 has forced many people to slow down and shift their focus to more local happenings amongst family and friends, while at the same time being aware of broader occurrences, like spread of the virus itself. Outdoor education slows things down too, with the focus primarily on the immediate group and its tasks. However, attention is also drawn to the impact of wider happenings, like climate change and habitat destruction.

COVID-19 has created an urgent need to make changes in order to care for self and others. For many this has meant more time spent with family, with pets, with gardens. There is a similar motive operating during an outdoor education program, where participants learn to care for themselves, others and the environment.

COVID-19 has forced many to stay at home, to retreat indoors and not venture far. Like COVID-19, outdoor education necessitates a significant movement too, asking participants to leave home and venture outdoors. Even though these movements are in opposite directions (indoor and outdoor), it is the *movement* which is similar here, leading to changes.

Outdoor education and COVID-19 both enforce changes which necessitate learning.

New knowledge is required. Listening intently to news reports about the most recent changes to COVID-19 rules is not unlike listening to an outdoor education teacher briefing the group about an activity. The importance, however, is not just with knowing, but with doing. These are changes to how one does things in the circumstances. New ways of doing things must be learned.

But then the temporary event ends.

Moving back to life as previously lived is not as simple as perhaps first thought. This is because it is not just new knowledge and practices that have been learned. If so, these could just be put aside and the old ones taken up again. More than this, new ways of knowing and new ways of doing come together in new ways of being. The *movement* is a significant change in being: in the meaning of self, others, environment. This is no simple movement to make, and it is experienced when going into an outdoor education program, but more vividly when coming out of one.

The learning that has occurred, then, is not just new knowledge and new practices, but new ways of being-doing-knowing that become part of who one is in engaging with life (Quay, 2016). It is to this growing repertoire of ways of being-doing-knowing that events like outdoor education and COVID-19 contribute. Outdoor education is not just a subject, not just a pedagogy: it is an event. This is the future.

Climate change and neoliberalisation of higher education: two wicked problems that are reshaping OEE

Alistair Stewart

It is unlikely that OEE in higher education (HE) in Australia will ever return to its pre- COVID-19 operations, approaches to pedagogy or curricula design for two intersecting reasons: the impacts of climate change and the intensification of neoliberalisation of HE. Climate change has been the elephant in the room for OEE for some time; COVID-19 might be the catalyst the field needs to shift attention.

In Australia, the impacts of climate change are not of the distant future; they are occurring already (Hennessy, 2011), impacting communities and consequently OEE. The summer bushfires of 2019-2020, for example, burnt nearly 19 million hectares, killing more than a billion animals and at least 34 people. The fires caused the widespread cancellation or deferral of OEE programs across south-eastern parts of the country. As the fires were nearing an end concerns over their impact were quickly displaced by COVID-19.

University management within Australia is increasingly corporatized and driven by neoliberal ideology (Sims, 2019). Declining government funding of HE over the last 30+ years has encouraged universities to seek funding from other sources, notably full fee-paying international students. The COVID-19 disruptions to international travel have resulted in dire financial circumstances for most universities in Australia, the ramifications of which are

still unfolding at the time of writing. The sector will likely experience considerable hardship for many years to come. The COVID-19 crisis will be used to pursue reforms in the guise of efficiency. The implications for OEE will include high proportions of content delivered online, reductions or cessation of field-based teaching and increased casualisation of the workforce. The impacts will likely include a loss of expertise in research, curricula design and pedagogical innovation. All of these combined brings into question the role of universities in the production of knowledge.

In times of crisis, while communities are distracted, governments and institutions quietly go about furthering their agendas without close scrutiny. Klein (2014) has observed that governments frequently use emergencies, such as extreme weather events, as an opportunity to make changes that directly benefit individual office holders, their family members, or lobby groups and companies with whom they are closely aligned. COVID-19 creates a substantial risk that attention on the interrelated issues of climate change and the neoliberal enterprise that dominates HE will be severely eroded at a time when communities can least afford it.

Climate change disruptions require considerable re-thinking of OEE pedagogy and curricula at a time when HE management is likely to be less sympathetic toward relatively small niche fields. Paradoxically, COVID-19 disruptions also provide an opportunity for reconsideration within OEE of how it stays viable and relevant in increasingly uncertain times.

Life's new challenge: to avoid the three "Cs"

Takako Takano

As of the end May, people in Japan are starting life outside home, exploring what the "new normal" expects of us, having passed through the first wave of COVID-19. Japan's state of emergency lasted about 5 weeks for most areas of the nation under mild governmental measures, with a relatively low number of deaths and cases of infection compared to some other nations.

Nonetheless, self-isolation created by fear of the virus has done much damage to society, including: an economic downturn with people losing their jobs or experiencing diminished incomes, students missing school time, health issues afflicting the elderly, troubled families, etc. People are now expected to change their behaviors to avoid the "three Cs" - confined and crowded spaces, and close human contact. Notably, the third "C" is particularly difficult to integrate into daily life, let alone environmental/outdoor education where direct experiences and working closely with others are fundamental for learning.

Guidelines for the "new normal" list details such as having 2m between people, wearing face-masks all the time (except on hot summer days outside), not sitting across but side-by-side when eating with friends, being quiet while eating, not taking food off the same plate as someone else, etc. These guidelines are understandable in terms of stopping the spread of the virus, but they largely ignore the fundamental point that humans are social animals, and children develop themselves and their five senses by physically contacting each other as well as other-than-humans.

If this “new normal” constitutes part of our lasting social practices, I believe we should do our best to also develop safe forms of direct experience with others, including close contact.

I fear that people may grow to feel awkward with being close to each other, afraid of being touched and spending time in close proximity to others, such as in a tent or walking in a group where someone may be a silent carrier.

Since March all programs and activities in outdoor/environmental education across Japan have stopped and been cancelled, except limited activities in afterschool programs. New guidelines for safely conducting outdoor programs are being developed, and all programs have to be looked at in ways different to before COVID-19. We will need to test out new ways of doing things for a while, but must keep searching for ways to enable both social and physical interaction, so that learning and other outcomes become more meaningful. Freedom for international travel may take time to return, but in the meantime, we should continue experimenting within our own places and keep on talking, exchanging ideas. In fact, there are countless possibilities for collaborative work and programs on-line!

Rethinking courses to cope with new restrictions

Glyn Thomas

In 2020, travel restrictions to limit the spread of COVID-19 have impacted Australian universities in many ways. Less international student income has had major budget implications. At the University of the Sunshine Coast, all programs were required to find significant budget savings. These budget cuts, along with requirements for social distancing, forced a major rethink of how we manage fieldwork within our Bachelor of Recreation and Outdoor Environmental Studies program.

We teach five, core Outdoor Environmental Studies (OES) courses within our program, with combined enrolments of around 350 each year. Across these courses, students complete 26 days of outdoor fieldwork in the wider Sunshine Coast region. The highlight has been visiting the World Heritage Area – K’gari (Fraser Island) – but it is expensive and difficult to get there. It takes four hours, requiring the use of two-wheel drive buses, four-wheel-drive vehicles, a vehicular ferry, and a fleet of “fat-bikes” for the beach.

When faced with the requirement to find budget savings, we were reluctant to reduce the number of fieldwork days. The threshold concepts that have been identified for graduates of Australian university outdoor education programs (Thomas et al., 2019) require students to be capable of leading outdoor fieldwork. So, if the number of fieldwork days didn’t change, the nature of our trips would need to.

From 2020, we will no longer make the long treks to K’gari (Fraser Island), but will instead use the closer Bribie Island. For safety reasons, we usually provide transport from the university for all fieldwork trips, however with social distancing requirements this is complicated. All of our trips to Bribie Island will start from a location that is only 20 minutes from the university, allowing students to organize their own transport. Our third-year students will complete an 85km, 5-day paddling and walking expedition circumnavigating the island. This expedition will explore the cultural and natural history of the island and

highlight how the tides and weather can shape travel on and around the island. The island has a rich Indigenous history with the Gubbi Gubbi people, some quirky world war 2 infrastructure, and is part of the internationally important Moreton Bay RAMSAR wetlands. After this expedition, third-year students will lead first-year students on a shorter three day trip exploring Bribie Island drawing on the benefits of near-peer teaching (Bester, Muller, Munge, Morse, and Meyers, 2017).

Across their program, students will visit Bribie Island three times, and learn how an outdoor education program can build a knowledge and connection with a place. Our OES staff will miss leading fieldwork on K'gari (Fraser Island), but we value the opportunity to run a similar program closer to the university which aligns better with the signposts of place-responsive outdoor education, as espoused by Wattchow and Brown (2015). Our students will have the chance to dwell in, and connect with, a place that is closer to home, engage their senses and learn the stories of the island, and to consider how they will re-present this place to their own students.

Ensuring socially just and sustainable access to natural benefits

Sue Waite

The rush to greenspace and coastlines in the UK at the outbreak of COVID-19 perhaps indicates our innate recognition that natural environments are a source of human wellbeing. But variability in access has been equally striking, so that many urban dwellers and low socioeconomic groups struggle to gain such benefits from nature during lockdown. These impulses and inequalities highlight a stark challenge to outdoor and environmental education to ensure that everyone can reap natural health and wellbeing and other benefits in the future.

However, simply making sure that infrastructure for biodiversity and wellbeing are planned into urban development is insufficient. The *Monitoring Engagement in Natural Environment* report shows that although there have been substantial increases in the use of urban parks over the last decade, some groups (the elderly, lower socioeconomic and black and minority ethnic) are still significantly underrepresented in accessing greenspace (Natural England, 2019). It seems access needs to be facilitated to build engagement with nature for human *and* other species wellbeing (Natural England, n.d.). Outdoor and environmental education research can make significant contributions in designing appropriate programmes. For example, Resilience through Nature, a large-scale intervention led by the Wildlife Trusts, provides training from environmental organisations to mediate curriculum outdoor learning in disadvantaged areas for schoolchildren's health and wellbeing.

Threats to health and wellbeing from COVID-19 and social distancing measures taken to restrict its spread will have long lasting impacts on adults and children. Tactile social contact is a fundamental need (Cascio, Moore and McGlone, 2019) and experiencing lack of control over our lives affects confidence and mental health (WHO, 2014). On the other hand, opportunities to be an active contributor through volunteering and being creative have been notable throughout the crisis. Furthermore, the human-focus of COVID-19 and its aftermath must not divert attention from the continuing crisis of climate change impacts

within the more-than-human world. These challenges and qualities can be addressed and fostered through outdoor and environmental education.

The highlighting of societal inequities during the pandemic may offer opportunities, even in severely economically straitened conditions post-COVID, for diverse and nuanced forms of outdoor learning (Malone and Waite, 2016, p. 15) to ensure that their potential for a more socially just and sustainable future are maximised as new ways of living are explored. We must be sure not to miss them.

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