SPEAKING TO THE HEART OF THE MATTER:
THE EMERGENCE OF A HUMANISTIC ENVIRONMENTAL COMMUNICATION

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[4940 words for the text]

INTRODUCTION

As the 21st century advances, environmental crises are accelerating, the impacts of global environmental changes such as climate change have shifted to being lived-and-felt, everyday experiences, and increasingly devastating ones at that. Disasters are turning from being horrific but rare exceptions to all too "normal" life in a climate-altered world (NOAA 2021; WEF 2021). Cox (2007) placed the rise of the professional field of environmental communication since the early 1980s into the context of environmental risks and degradation, and – in the face of currently accelerating environmental challenges – charged the field to serve as an ethically motivated "crisis discipline."

While this notion of a "crisis discipline" was welcomed by some and sincerely debated or even contested by others (e.g., Heath et al. 2007; Killingsworth 2007; Schwarze 2007; Senecah 2007), much of what has been written under the flag of "environmental communication" in the years since his clarion call has at least to some degree been motivated by the deep unease about environmental events, trends, and looming dangers. The now well-established subfield of climate change communication can serve as "Exhibit A" for this claim (e.g., Corbett 2021, Fessmann 2019, Bloomfield 2019, Boykoff 2019, 2011, Armstrong et al. 2018; Filho et al. 2017; Nisbet 2017; Priest 2016; Carvalho 2010; Moser and Dilling 2007). From this perspective, the practice of environmental communication for many is "instrumental:" it aims to inform or help mobilize a more effective societal response to these growing dangers. In turn, much of environmental communication research has aimed and become more adept at untangling the various aspects of the communication process in an effort to make it more effective. We have tracked changing perceptions and attitudes to better address our various audiences; we have identified and tested different framings, channels, messages and messengers to reach those who might influence public and policy debates; and we have unearthed a range of influences on the communication process to render it more helpful, timely and influential. Even the more "constitutive" approach to environmental communication, which looks at communication as a symbolic act that helps humans place themselves vis-à-vis the other-than-human life world, can be read as an attempt to reckon with the human footprint on Earth. Over the nearly 40 years since the field's inception, environmental communication has indeed matured significantly in doing all of this. With a well-established technical

vernacular in place, a strong set of methodologies to examine communication efforts, and growing geographic coverage of investigations that enables comparative insights into the importance of culture, context and communication practices, the field of environmental communication has become a sophisticated area of study and practice – progress and achievements to which the contributions in this updated Handbook pay tribute.

As environmental, human-made, and public health crises such as the COVID-19 pandemic become commonplace, and environmental communication has come into its own, a third trend is inescapable in our field and our lives: the ever-present internet, near-saturation of social media, and profound technological and political-economic changes in the media industry (Barthel et al. 2020; The Pew Research Center 2019; Rainie 2013). Communication has become faster, more distributed, more fragmented, and yet also more media-ted as a result. Dominick (2010) has well delineated the social implications of these developments, including the growing speed of "news", the lack of gatekeepers sorting through the abundance and overload of information, growing privacy concerns, the emergence of media use as escapism, and, disconcertingly, the growing social isolation despite virtual connectedness (for a visual commentary on just this effect of social media, see Cohen 2013). Environmental communication practice has fully embraced this trend. Yet, these developments in technology, research and practice entail a certain degree of reification, of distancing from that which we study and do: humans trying – sometimes desperately – to connect with each other by way of words, images, gestures and touch.

It is not unreasonable then to ask whether the environmental communication field may be losing touch with the very heart of communication at a crucial time. Despite all our communication options and opportunities, despite our skill and sophistication, are we still serving the deepest purpose of all communication, namely to exchange ideas and information, to hear and be heard, to create understanding and foster connection among us (some would extend the circle beyond humans (Peterson et al., 2007)), and, ultimately, to ensure survival? This question becomes ever more important to ask of the kind of communication needed most as environmental changes, disasters, and continual degradation of our life world take on a global scale. In such a time, what is called for first and foremost is not persuasion, education, and deliberation (though none of these will lose in importance), but kind and compassionate human support. Not conversion but respect and dignity. Not a battle of the minds, but a meeting of the hearts.

In this chapter I argue that the two major trends introduced above – the increasing frequency of environmental crises and the pervasiveness of technology-based communication – open up a gap, a profound need, and an opportunity for an environmental communication that is oriented toward human welfare and connection. I call such an environmental communication "humanistic" and see it in fact as a growing direction in our field. In the section below, I begin by establishing how environmental crises are emerging in our collective experience. Next, I define and sketch the outlines of such a 'humanistic' environmental communication, and then focus in on how it may serve a society increasingly in dire environmental straits. I will close with an appeal to both environmental communication researchers and practitioners to issue not just warnings and clarion calls to action but to partake in the restoration of our relationships to each other and between ourselves and the more-than-human world.

A WORLD CHANGING DARKLY

Pick any year, and we can all now point to unprecedented, iconic climate disasters. Katrina, Sandy, Harvey, and Maria stood out among record-breaking hurricanes; the Camp Fire destroyed an entire town in California (Paradise); the multi-year drought in the American West caused havoc in forests and on farms and ranches; unprecedented heat extremes, floods, windstorms touched nearly every corner of the US. Almost every time, the news media and commentators declare these extreme events as "game changing", and, indeed, they have changed public awareness and opinions in undeniable ways (see ongoing tracking by the Yale Program for Climate Change Communication; most recently, Leiserowitz et al. 2021). Studies show lasting impacts not only on those directly affected, but on public and policy conversations in the US. The trend toward growing numbers of multi-billion dollar events over the past 30 years, most recently peaking in 2020 (NOAA 2021) (https://www.ncdc.noaa.gov/billions/time-series) hints at the growing economic and emotional toll these disasters take on affected populations.

And that is just the picture within the US. Elsewhere, the story is equally heart-breaking and disconcerting: the devastating wildfires in Australia; extensive and repeated flooding in East Africa and South East Asia after tropical cyclones/typhoons; deadly heatwaves in India, Pakistan, and Europe; the dramatic loss of sea ice in the Arctic; the extensive bleaching events destroying large swaths of coral reefs; persistent drought followed by locust outbreaks in Africa; the list goes on. Many of these events can now be attributed to climate change (Otto 2017, Diffenbaugh 2020, Swain et al. 2020).

Despite much progress, this work of attribution is still not settled science (e.g., Osaka and Bellamy 2020b), yet in the public mind, the barrage of directly or vicariously experienced disasters coalesces into a picture of a world increasingly perturbed, a world increasingly out of control (Mooney and Dennis 2018, MunichRe 2017, IPCC 2012). People's own, direct experience and the mediated communication about catastrophic events create a collective sense that something "strange" is going on in the world. Apocalypse, as Frederick Buell (2003) once put it, is becoming a way of life.

There is now substantial empirical evidence for this sense of unease, even of doom, in the public. People are "connecting the dots" between these extreme events – almost in spite of scientists' still cautious attempts to not link any single disaster directly to climate change. Researchers across the globe have found that people increasingly perceive changes in their local environment (e.g., Leiserowitz et al. 2021, Capstick et al. 2015, Legault et al. 2019); that extreme events heighten people's awareness and worry about climate change, and that the reverse is true as well (e.g., Fownes and Allred 2019). Researchers are also finding that in some, but not all instances, awareness or experience of extreme events heighten people's willingness to engage in preparedness measures and/or support adaptation and mitigation policies (e.g., Reser et al. 2012; Spence et al. 2011; Whitmarsh 2008; Zaalberg et al. 2009, Demski et al. 2017), and that direct experiences increase people's psychological distress (e.g., Fullerton et al 2019, Beaglehole et al. 2018, Moser 2013b, Coyle and Van Susteren 2011, The Climate Institute 2011). At the same time, there is also continued 'psychological distancing' from climate change observed among studied publics across the world, mechanisms that are both intra-psychically and socially reinforced (e.g., Maiella et al. 2020, Wang et al. 2019, Singh et al. 2017, Norgaard 2011). These seemingly contradictory findings suggest that people are grappling with strong and contradictory emotional responses to climate change (e.g., Chu and Yang 2019) and that they may be caught in a tense dilemma between the desire to avoid news of climate change (both current and projected worsening future conditions) and the dawning realization of a climate reality that is pressing upon them in real time (Cramer 2008; Dickinson 2009; Pienaar 2011). The growing uncertainty (and maybe existential fears) evoked by extremes seems to reinforce people's preexisting, and strongly ideologically determined beliefs about climate change (Osaka and Bellamy 2020, Borrick and Rabe 2017, Cutler et al. 2019, Cutler 2015).

This emerging sense of climate change being here and maybe already worse than feared is – after decades of lack of awareness, indifference and denial – significant as a sociopolitical and psychological phenomenon, and it is at the heart of the question of what kind of environmental communication is called for in this and the coming crisis time.

THE HUMANISTIC IMPERATIVE OF ENVIRONMENTAL COMMUNICATION IN A WORLD OF CRISIS

What is Meant by a "Humanistic" Environmental Communication?

To answer this question, it helps to place some definitional boundaries around the word "humanistic." What stance, perspective, or approach does the adjective describe? The first two definitions offered below are of greatest interest for the purposes of this chapter, and the third is relevant to the topic of communication. Humanism is (1) a system of thought that rejects religious beliefs and centers on humans and their values, capacities, and worth;[1] (2) a deep concern with the interests, needs, values, as well as the dignity and welfare of humans; and (3) the study of the humanities, learning in the liberal arts (The Free Dictionary 2021). In short, a humanistic science – and practice – is centrally concerned with human experience, the whole of human subjectivity, and with the possibilities of fulfillment of the human potential in whatever circumstances – social, economic, cultural, ecological, and even cosmological – people find themselves in (Diaz-Laplante 2007; Kuhn 2001).

The spirit of humanism that I wish to invoke here can be further specified by elements of what humanistic communications research has to offer. According to the Humanistic Communication Research Institute, research in this field aims to understand the *substance* (its weightiness and meaning), not just the *contents* of communication ("Gehalt… nicht Inhalt") (http://hcri.de/). It focuses on cultural values, paradigms and belief systems, on ethics and on how individuals and groups construct their realities, meaning and purpose, as well as on the function and responsible use of communication in social systems.

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[1] Note, however, that the issue of whether religious, transcendent experience and thought should be included in humanistic thinking is a continually debated topic and for many resolved toward an inclusive answer (Edwords 2008; Gordon 2003; Kuhn 2001). This will not be further discussed here, but is of relevance to the extent that in crises, humans not only seek explanations that frequently invoke the supra-natural ("acts of god"), but they also seek solace in one form or another of religious faith and in spiritual community. I thus include the consideration of the spiritual, religious and transcendent in the humanistic approach suggested here.

Even greater inspiration, however, for a relevant environmental communication in times of crisis comes from humanistic psychology. Humanistic psychology is fundamentally interested in the subjective human experience and normatively aims for human welfare. It seeks to support individuals in a process of "self-actualization", i.e. maturing into a conscious and empowered place of self-determination, in which people creatively realize their full potential. The humanistic approach in psychology emphasizes wholeness, free will, and empathy, and stresses the good in human beings. (Even so, many humanists fully embrace both the light and dark side of being human, the cruelty and love of which humans are capable.) Over the past half century, humanistic psychology has moved from being narrowly focused on the individual to increasingly engage the question of how individual psychology is holistically embedded in, and mutually constitutive of, social, political and environmental contexts and challenges (e.g., Diaz-Laplante 2007; Kuhn 2001; Michael 2000). There is a deeply emancipatory impulse at the root of humanistic psychology, and as such a radical desire for human liberation from both inner and outer bondage – a normative stance that enjoys good company with other empowerment-oriented "liberation" disciplines (Moser 2013a).

This focus on understanding human experience together with the desire to support human unfolding may at first seem counter-intuitive as a crucial focus for environmental communication. Yet that human experience is at the heart of living through a time that will be increasingly disrupted by environmental crises, surprises, and profound change. I see it therefore as a task of environmental communication to help understand such a time and make sense of it. The questions of who we are as humans and how we are to behave in the Anthropocene are at the core of the question of how we relate to "nature." An environmental communication field that wants to be relevant in the 21st century must take the advances in the Earth and sustainability sciences seriously, and thus take to heart that our human unfolding is deeply linked to the fate of the Earth (Lade et al. 2020, Butler 2017, Steffen et al. 2015, Chakrabarty 2009)?

It is to these questions that a third understanding of the "humanistic" speaks, namely the essential contributions from the humanities. Like them, a humanistic environmental communication must reflect back to us our past, present and future, our actions and desires, our beliefs and illusions, our truths and deepest needs, our destructiveness and creativity, our brightest and darkest natures. It must make the future – however bright or dark – imaginable so as to inform actions in the present. Environmental communication and the humanities share an interest in culture, values, worldviews and frames, in

stories and other forms of artistic or culturally-resonant expressions of the human-environment relationship. Like for the humanities, the raison d'être of a humanistic environmental communication lies not merely in dissecting analysis but in curative synthesis. A humanistic environmental communication can help foster the exchange between the two by embracing and seeking to more fully understand from both perspectives and express the human experience of living in a climate-altered world.

How Can a Humanistic Environmental Communication Serve a World in Crisis?

As the world is experiencing more frequent crises and disruptions, it is time to ask what kind of environmental communication is needed. Elsewhere, I considered the tasks of environmental leaders in such a world, and asked which metaphors best described their future assignment: is it to "[b]e a steward, shepherd, arbiter, crisis manager, grief counselor, future builder?" (Moser 2012: 435). Regardless of which of these one is most drawn to,

> "the leaders of the future will face not just new, more difficult, and more pervasive environmental challenges than past and present leaders do, but they will need to be adept in a range of psychological, social, and political skills to navigate the inevitable human crises that will precede, trigger, and follow environmental ones. ... [They] will need to mentor, guide, and assist people in processing enormous losses, human distress, constant crises, and the seemingly endless need to remain engaged in the task of maintaining, restoring, and rebuilding—despite all setbacks—a viable planet, the only place the human species can call its home."
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> (Moser 2012: 435)

Increasingly, they must tend to their own psychological needs for coping and processing the implications of climate change while supporting others equally facing the uncertainty of constant and accelerating change, as well as traumatic events and the demands of transformative change (Moser 2020a, Gilford et al. 2019). What then are some of the most immediate tasks of a humanistic environmental communication?[2]

Supporting Those in Crisis Compassionately

A first answer then to the question of how a more humanistic environmental communication – both as a field of research and as a field of practice – might serve a world of crisis is an instrumental, and

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[2] For elaborations and an application of these tasks, see Moser (forthcoming, 2020b, and 2019).

therefore normative, one: to attend to the people and other-than-human members of our life world to help them cope with and adjust to a crisis-stricken world. This clearly adds a layer of meaning to the notion of a "crisis discipline." It is not just about speaking to an *environment in crisis*, and that something ought to be done about it, but it is about communicating meaningfully and supportively with those *living through crisis*. If communication is indeed both symbolic and material, about mirroring our world back to ourselves and constructing meaning, about self-expression and mutual understanding, about exchange of information and, ultimately, survival, then kind and supportive communication is essential to the ability – human and otherwise – to cope and adapt to a changing climate. In addition, environmental communicators must develop and become proficient in trauma-informed communication (Everett et al. 2020, Watson, Kearns and Moser 2020), an approach only beginning to be adopted in the environmental and climate communication arenas.

Truth Telling Without Fear Mongering

Such compassionate support entails first and foremost helping others and ourselves to face the unfolding changes and crises. We have a long way to go to "getting real" about the legacy we have created for ourselves and all the co-inhabitants of this planet (Moser 2012). There is much truth telling to be done, and not simply in the way of cataloguing the unfolding catastrophes, or blaming others or ourselves, but in the way David Orr has so beautifully appealed to us:

> "Telling the truth means that the people must be summoned to a level of extraordinary greatness appropriate to an extraordinarily dangerous time.... Telling the truth means that we will have to speak clearly about the causes of our failures that have led us to the brink of disaster. ... Telling the truth means summoning people to a higher vision..."
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> (Orr 2011a: 330-331)

In fact, many have cautioned against fear appeals in climate communication, yet the advances in attribution science that make human causation of disastrous events ever clearer may inadvertently contribute to further polarization in public attitudes about climate change (Osaka and Bellamy 2020a; Janković, and Schultz 2017). Thus, the art of communicating the truth must help us open to difficult information, be clearer about future prospects, analyze our situation more honestly, and bring us to a higher vision of ourselves, i.e. help us move up the humanistic ladder of self-actualization.

Expressing Grief Safely

There will also be the endless need to create communal spaces in which our emotional experience of this world can be expressed safely (Moser 2020a, Westoby and McNamara 2019, Cunsolo and Landman 2017). While most Western cultures do not support much public display of grief, grieving our (recurring) losses we will all do. A humanistic environmental communication can serve a crucial social healing function in making space for it in how it portrays and supports this inevitable human experience (Cunsolo et al. 2020). In this way it will help strengthen people's capacity to be in their own and with others' distress.

Visioning Alternative Futures

To be clear, a humanistic environmental communication – in supporting the much-needed capacity to cope and adapt to change and crisis – is not to be construed as a handmaiden to silencing discontent. Instead, it will insist on the emancipatory, empowering impulse of the humanistic tradition (Bentz and O'Brien 2019). In seeking to support human evolution toward our highest possible self, it must seek, communicate, and engage in exploring new cultural ideals and aspirations that will lessen the destructive human impact on the planet. A humanistic environmental communication would be committed to serving social transformations toward a more sustainable existence on Earth (Moser 2019).

Fostering Authentic Hope

To this end, as is increasingly well understood in climate change communication, more than "narrators of doom" are needed. To overcome feelings of overwhelm, anxiety, fear, and helplessness in the face of ongoing crises and seemingly insurmountable challenges, people need true hope (e.g., Li and Munroe 2019, Marlon et al. 2019, Pihkala 2018). Such hope can only be constructed from realistic goals, a clear or at least imaginable path, from doable tasks and a meaningful role in addressing the problems at hand (Orr 2011b, Fritze et al. 2008, Hicks et al. 2005). Hope thrives where such arduous work is undertaken together (Bonanno and et al. 2011; Moser 2007). As the environmental journalist and blogger, David Roberts, so aptly put it, "When we ask for hope, then, I think we're [...] asking for fellowship. The weight of climate change, like any weight, is easier to bear with others" (Roberts 2013).

Framing and Urging on the Transition

A humanistic environmental communication must play a critical role in helping to hold that unavoidable tension between pain and hope, out of which forward movement will come. It must help build people's

ability to hold the paradoxes of crisis and normality, of immediacy and long time horizons, of destruction and beauty, of change and durability (Moser 2019). Because between repeated crisis, there will be rebuilding; between death and destruction there will be birth and renewal; between fire, flood and furious storms, there will be regrowth, rest and recovery. But in the midst of crisis, understandably, we forget larger goals. In the face of setbacks, we will waver in our commitment. Thus, a humanistic environmental communication must help frame the transition from the truth of what is toward a different, more sustainable future. It must assist the rise and ongoing renewal of authentic hope. And because the weight of the work we must do is heavy and long, it must connect, more than divide us – back with each other, to our own humanity and deepest human nature, and to the more-than-human world around us.

Mirroring Who We Become Along the Journey

A humanistic environmental communication must not be merely instrumental, however, in the sense of assisting us in alleviating immediate needs or mobilizing us to address the underlying causes of our distress. It must also be constitutive: helping us to understand this time, what is happening around and with us, and why; assisting us in reconsidering and reimagining who we are in the Anthropocene and how we fit and belong into the larger Earth community (Berzonskly and Moser 2017).

As the Pulitzer Prize-winning poet, Jorie Graham, discovered in compiling an anthology of American poetry entitled *The Earth Took of Earth*, the Age of Discovery fundamentally changed seafaring people's perception of the geography of the known. Setting out from a familiar place to completely unknown lands manifested in a changed imagination, in remarkable shifts in language, turning *journeys* from searches within familiar territory into dreams "of finding an unknown *destination*" (Graham 1996). Curiously, as Sodré (2005: 71) explained, in the Arabic language, the word "Earth" shares the same linguistic root as the word "destiny." A humanistic environmental communication can help map and mirror this new human journey when not our rootedness in place and geography is at stake but our steady, or at best cyclical, experience of time, our deep sense of stability. Human destiny understood then not as a divinely, pre-determined end state, but as an actively and interactively created becoming, an unfolding that arises out of our inescapable interwovenness with an Earth on which everything is now in flux and unstable in ways unknown to the human species, this human journey into *terra quasi incognita* (Schellnhuber 2009) will be a truly worthy topic for charting in our field.

CLOSING: THE RESTORATIVE POWER OF A HUMANISTIC ENVIRONMENTAL COMMUNICATION

In this chapter, I have tried to build on the notion of environmental communication as a crisis discipline introduced by Cox (2007) by outlining what a humanistic emphasis in our field may look like, and how it may be increasingly needed if the world enters into perpetual 'crisis mode.' What seems to be needed most is in direct tension with increasingly technologized forms of communication.

As I have tried to show, the notion of a humanistic environmental communication in a world of crisis is in some sense an extension of the field of crisis communication (e.g., Bonanno et al. 2011; Heath et al. 2007). At minimum it must convey information about the crisis at hand, manage confusion, logistics and public relations, and otherwise mobilize action to address them. But it must do far more than that as crises become our daily bread. As Seeger (2006) argued, environmental communication must "enhance the quality of public discourse and, in turn, the quality of public judgment regarding environmental matters" (p.96). Such judgment will be improved if we are not in fast-paced reactivity, but instead can find havens of calm in which to heal, recover, regroup and recommit to the rebuilding and transforming that requires thoughtful attention. What I have suggested here is that such havens are made from compassion, truth telling, grieving, visioning, true hope, supporting movement toward a better future, and mirroring back to us our journey.

What we know from crisis communication is that to restore ourselves and our environment from the trauma experienced, we need to make sense of what is happening, we need to regain a sense of control and confidence, and reclaim our capacities to manage our lives. We will do so more easily if we can draw on or reestablish our social connections, and if at all possible, as well our sense of socio-ecological belonging, our sense of place. These conditions have been found repeatedly to aid in individual and community resilience (Everett et al. 2020, Quinn et al. 2020, Fresque-Baxter and Armitage 2012, Bonanno and et al. 2011). A humanistic environmental communication, fundamentally driven by a desire to provide solace in a time of difficulty, a hope to foster understanding and create meaning in a disrupted environment, a wish to restore and sustain human welfare in the midst of rapid change, and a longing to support human emancipation and evolution in the Anthropocene toward our highest selves, such a discipline and practice is not just a crisis discipline, but a restorative one.

It is in this notion of a restorative environmental communication that I return to the two strands of argument from which I began. One spoke to a kind of disassociation resulting from living in the

cyberworld of technology-based communication, namely the dangers of people being engulfed in endless streams of information about the world and being seemingly connected with each other through digital media in virtual worlds yet becoming increasingly absent from the world of tacit experience and true social relations (for searing critiques and discussions of how such technologized communication changes us socially, psychologically and physiologically, see, e.g., Carr 2010; Slater 2008). As David Orr sharply observed,

> Our experience of an increasingly uniform and ugly world is being engineered and shrink-wrapped by recreation and software industries and pedaled back to us as 'fun' and 'information.' We've become a nation of television watchers, googlers, face bookers, text messengers, and twitterers, and it shows in the way we talk and what we talk about. More and more we speak as if we are voyeurs furtively peeking in on life, not active participants, moral agents, neighbors, friends, or engaged citizens.

> (Orr 2011c: 8)

Far from placing humanistic environmental communication on the Luddite end of the disciplinary spectrum, the appeal here is simply not to forget that which matters most in crisis, and even more so as crises become commonplace: real connection. While a tweet may help locate a survivor, a story intimately told might help us make sense amidst chaos. While a message board may give crucial information, a poem might restore sanity. While a blog may serve to air frustration, in-depth conversation and dialogue will help chart the difficult path forward. Thus, environmental communication, in remembering its shared etymological roots with words like making common, communion, sharing and fellowship, must help restore human connection.

The other strand of argument took off from a description of the environmental conditions, particularly climate change and climate-driven disruptions, that will confront us with ever increasing incidences of extreme events and crises. The charge to environmental communication laid out in these pages is one of helping humans not just weather these coming storms and making sense of them, but assisting people in restoring our human-to-human and human-to-life world connections, and in the inevitable tension between loss and hope find our way toward a more sustainable expression of homo sapiens living on Earth (Berzonsky and Moser 2017). In this way it can be a discipline that helps restore heart – *eros,* the innate desire for wholeness and connectedness – back to our everyday lives, each other, and our relationship to the more-than-human world.

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