

Online Appendix 2

Education Resources

RESOURCE TITLE (Click On The Title To Access)	RELEVANCE OF THE RESOURCE
African Handbook of Climate Change Adaptation	<p>Presents deep coverage of climate change adaptation in Africa; Details evidence from international studies and projects; Provides government and non-government bodies with a sound basis to lead and promote climate change adaptation efforts. This book is open access, and therefore free and unlimited access.</p>
AMEE Consensus Statement: Planetary health and education for sustainable healthcare	<p>The purpose of this Consensus Statement is to provide a global, collaborative, representative and inclusive vision for educating an interprofessional healthcare workforce that can deliver sustainable healthcare and promote planetary health. It is intended to inform national and global accreditation standards, planning and action at the institutional level as well as highlight the role of individuals in transforming health professions education.</p>
Climate Action Guide for Nurses	<p>This easy resource helps nurses understand how they can decrease their carbon footprint through practice changes.</p>
Climate Resources for Health Education	<p>Open access resource bank for healthcare courses on climate change and health - "Climate Resources for Health Education (CRHE) is a global student health professional-led initiative housed at the Global Consortium on Climate and Health Education (GCCHE) that aims to provide free, publicly accessible, evidence-based resources to accelerate the incorporation of climate change and planetary health information into educational curricula."</p>
Course Planetary Health at Radboud University (The Netherlands)¹	<p>Course on reducing environmental impact of healthcare now while increasing quality of care, expectations for changing patients/diseases in the future, defining your role as a healthcare professional in society</p>
Cross-cutting Principles for Planetary Health Education	<p>(i) A Planetary Health Lens (ii) Urgency and Scale (iii) Policy Orientation (iii) Organizing and Movement Building (iv) Communication (v) Systems Thinking and Transdisciplinary Collaboration (vi) Inequality and Inequity (vii) Bias (viii) Governance (ix) Unintended Consequences (x) Global Citizenship and Cultural Identity (xi) Historical and Current Global Values</p>
Education for Sustainable healthcare - A Curriculum for the UK	<p>An innovative Planetary Health and Sustainable Healthcare curriculum. Adaptable for all countries, all health professions and all educational stages. Fully endorsed and freely available.</p>

¹ English version Not available, can be arranged if interested.

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Embedding Indigenous Knowledges and Voices in Planetary Health Education	The tertiary institutions are starting to integrate environmental and social goals in teaching and research, with a focus on planetary health. However, these efforts often lack diversity and consideration of ecosystem-human health links. Indigenist health humanities and arts-based education is required to offer an alternative approach to planetary health education. Incorporating Indigenous knowledge will help in decolonizing health education.
Global Leadership Practices for Planetary Health	Integral global leadership practices for the world becomes more volatile, uncertain, complex, and ambiguous (VUCA), we require integral global leadership practices for our fast-changing new realities.
Harvard MOOC Health Effects of Climate Change	Free online course on an introductory level about health effects of climate change
Health Professionals as Advocates for Climate and Health Solutions: the Influence of Social Norms on Health Professional Engagement in and Public Support for Climate Advocacy	The doc offers insights into the effectiveness of normative appeals in advocacy engagement and contribute to the understanding of the public's perception of climate advocacy. It provides guidance for practitioners seeking to enhance public engagement in advocating for climate change and health solutions
Interfaculty Initiative in Planetary Health, Nagasaki University	Graduate school, currently offering Dr of Public Health, taught in English.
Master's Degree in Climate Change and Planetary Health - LSHTM	This programme will provide the skills necessary for students to be agents of change in the emerging interdisciplinary field of planetary health.
Master's degree in Planetary Health (UOC-ISGlobal-UPF) Barcelona	The Inter-University Master's Degree in Planetary Health aims to provide graduates with the skills necessary to promote health at global level while respecting the limits of the planet's natural systems, by analysing the challenges facing humanity that are linked to the global climate and environment crisis, designing solutions and implementing these solutions in our societies, from the respective areas of knowledge.
Medicine for a Changing Planet Clinical Case Studies	Medicine for a Changing Planet is a collaboration between the Stanford Center for Innovation in Global Health and the University of Washington. These cases are designed to be used in the clinical phase of training for medical professionals, since they focus on clinical competencies regarding the impact of environmental change on the patient care setting and the role of clinicians in detecting and managing the impacts of those changes on their patients.
National Planetary Health learning objectives for Germany: A steppingstone for medical education to promote transformative change	The development and content of national Planetary Health learning objectives that adhere to the structural requirements of the National Catalogue of Learning Objectives.
Online Course on Planetary Health	Target Audience: Undergraduate students and higher-level health professionals. The course is also open to the community and any individuals who are interested in the topic. (English and Portuguese Versions).

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Online Course on Planetary Health for Primary Care	Target Audience: Family doctors / practitioners from all parts of the world. The course is also free and available to community and individuals interested in the topic of planetary health. (English and French Versions).
Patient and Clinic through the Lens of Planetary Health: LEARNING GUIDE FOR HEALTH EDUCATION (Volume 1)	This educational material proposes a didactic method for teaching Planetary Health for university professors to implement with undergraduate health students, so that they can see the person (real patient) and the clinic through the lens of planetary health. It contains accessible study references. (English and Portuguese Versions).
Patient and Clinic through the Lenses of Planetary Health: CLINICAL CASES FOR EDUCATIONAL ACTIVITIES (Volume 2)	This didactic material describes clinical cases and proposed activities to be used in several learning scenarios, contributing to the education in planetary health for undergraduate, graduate, medical and multiprofessional residency students, and for graduated health professionals. (English and Portuguese Versions).
Planetary Health Case Studies	The Planetary Health Alliance developed case studies in planetary health with the aim of enhancing and broadening the field. These case studies illuminate cross-sectoral solutions that prioritize human health amidst human-induced environmental changes. By combining scientific insights with narratives from individuals and communities working on solutions worldwide, each case study offers a chance for learners and educators to bridge theory and practice and connect general knowledge with specific local contexts.
Planetary Health Education for Future Healthcare Leaders: A Practice- Based Approach	The experience offers recommendations for other healthcare administration faculty considering project-based climate change and planetary health coursework. Rush University introduced an interdisciplinary course in 2022, this is in response to the increasing demand for health system leaders to address climate change. The course involved students working on projects guided by the Planetary Health Education Framework and human-centered design principles, with mentorship from faculty and staff.
Planetary Health Education Framework	The Planetary Health Education Framework aims to inspire and guide the education of global citizens, practitioners, and professionals who are capable and willing to address the complex Planetary Health challenges of our world today.
Planetary Health Education Framework and Nursing Essentials Crosswalk	This crosswalk enables schools of nursing to embed PHEF content in their required curriculum.
Planetary Health Education Toolbox	Supporting Planetary Health Education (PHE) and research in the East African and beyond, by compiling contextually relevant learning and teaching materials such as presentations, lecture recordings, case studies, course outlines and others. this will enable learners and teachers to implement PHE in their faculty by providing guidance, blueprints, frameworks, and materials to develop their own PH curriculum, integrate PH into existing lectures, or enhance their knowledge through self-study.

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Planetary Health Pedagogy: Preparing health promoters for 21st-century environmental challenges	A desktop review and synthesis of teaching and learning scholarship in planetary health were coupled with iterative critical reflections of teaching practice, and the use of two case studies, to illuminate innovations in health promotion competencies.
Planetary Health Summer School	The summer school offers a mix of educational methodologies and activities inside and outside the classroom with local and international experts, empowering participants to become agents of change and develop their own projects for transformative change. It is aimed to help students gain and develop knowledge, attitude, skills and confidence.
Planetary Health, Master of Public Health in Global Health Course, Tokyo Medical and Dental University	One of course under Master of Public Health in Global Health course (MPH), taught in English.
Planetary Health: een handreiking voor onderwijsimplementatie in universitaire zorgopleidingen [Planetary Health: a guide for education implementation in university level healthcare studies]²	This doc guides faculty through steps to follow to integrate planetary health education into their curricula, taking possible barriers and opportunities into account (specifically for the Dutch university system, but can possibly be extrapolated)
Planetary Health (Online Learning) – Postgraduate Study at the University of Edinburgh	A new, interdisciplinary degree with the Edinburgh Futures Institute
Planetary Health Report Card	The Planetary Health Report Card is a student-led international advocacy group which advocates for the development of planetary health education in undergraduate health professional training. Student teams complete metric-based reports assessing their institution on planetary health education across 5 domains. The reports published online act as needs assessments tools allowing international collaboration and development of planetary health education. The 4th cycle of the report card was published in April 2023 and over 105 institutions in 15 countries took part.
Promoting Human and Planetary Health	This short course provides students with an understanding of the interconnectedness of human and planetary health, why it is critically important for the health of humans and the environment, and how to work toward sustainable health outcomes that benefit both.
Health Professional Declaration to be released before COP28	To be published in the Lancet
"Climate Change and Healthcare", learning materials for undergraduate students at Japanese medical schools ³	"Climate change and healthcare" is included as a core curriculum for undergraduate medical students in Japan in the guidelines authorized by the Ministry of Education (MEXT). Learning materials were developed by the Japan Society for Medical Education for university-wide use for teachers and students.

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³ English version not available yet. How best to share materials in English is under consideration.

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Ten Characteristics of Planetary Health Education	Results from a qualitative study on how Planetary Health Education should ideally look like
The Academic Health Institutions' Declaration on Planetary Health	Academic health institutions declared the health of the planet a Code Red emergency and called for immediate implementation of planetary health education and research, and the transition to climate-resilient and low-carbon health systems in order to build a healthy, sustainable, and just future for all.
The Wheel of Fortune as a Novel Support for Constructive Alignment and Transformative Sustainability Learning in Higher Education	The paper explores the development of an interdisciplinary subject designed for undergraduate students from four faculties. It presents a case study of pedagogy that moves away from three pillars/concentric circles approaches towards practices based in systems thinking and interactive transformative learning. It describes the iterative process of developing and implementing an infographic: the "Sustainability Wheel of Fortune" (Wheel), to support constructive alignment of content, assessment tasks and learning outcomes.
Towards an Educational Praxis for Planetary Health: a call for transformative, inclusive, and integrative approaches for learning and relearning in the Anthropocene	"This Viewpoint seeks to explore the developing areas of education for planetary health, while additionally reflecting on a praxis for education in the Anthropocene that is rooted within the confluence of diverse knowledges and practice legacies that have paved the way to learning and relearning for planetary health."
Trans-disciplinary Doctoral Education Program for the Creation of a Planetary Health Society by Japanese GOVERNMENT (MEXT) Scholarship	Hiroshima University has been selected for the Ministry of Education (MEXT) government-financed priority placement program for the "Trans-disciplinary Planetary Health" Doctoral Education Program
WHO e-course Human Health and Climate Change	Short, free online course in English, French and Spanish, available and accessible in various ways