Nandini Velho

- Dr. Velho is a wildlife biologist
 - Currently, an ORA India Fellow and Adjunct faculty member at the Institute of Public Health Bengaluru.



- She has a decade of field experience and is founder and lead of Canopy Collective a
 multidisciplinary group dedicated to addressing the science and educational needs of forest and
 indigenous communities in northeast India.
- She will share her experiences on the co-production efforts undertaken to establish a Planetary Health Interpretation Center in Pakke Tiger Reserve, Arunachal Pradesh in Northeast India.





Co-production Efforts for Establising a Planetary Health Interpretation Centre in Pakke Tiger Reserve

A Multi-disciplinary approach

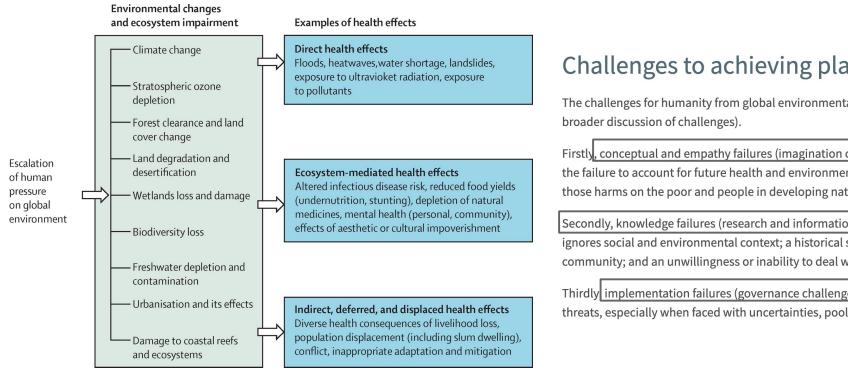
Nandini Velho, MSc, PhD, Lead, Canopy Collective & Adjunct Faculty, Institute of Public Health, Bengaluru Prashanth N Srinivas, MBBS, PhD, Institute of Public Health, Bengaluru

Kime Rambia, Range Forest Officer, Pakke Tiger Reserve





NO TEMPLATES ON THE GROUND (YET) TO COMMUNICATE WITH COMMUNITIES...



Challenges to achieving planetary health

The challenges for humanity from global environmental change can be broadly categorised into three categories (see appendix for a

Firstly, conceptual and empathy failures (imagination challenges), such as an over-reliance on GDP as a measure of human progress, the failure to account for future health and environmental harms alongside present day gains, and the disproportionate effect of those harms on the poor and people in developing nations—ironically the groups who often have least say about policy matters.

Secondly, knowledge failures (research and information challenges), such as an increasingly molecular approach to medicine, which ignores social and environmental context; a historical scarcity of transdisciplinary research and funding within the health community; and an unwillingness or inability to deal with uncertainty within decision making frameworks.

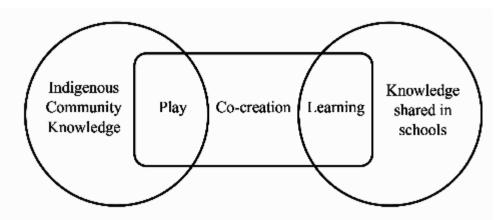
Thirdly implementation failures (governance challenges) such as how governments and institutions recognise and respond to threats, especially when faced with uncertainties, pooled common resources, and time lags between action and effect.

Whitmey et al. 2015. Safeguarding human health in the Anthropocene epoch. Lancet Commission.



THE NEED FOR ONGROUND PERSPECTIVES AND DESIGN THINKING APPROACHES...

- One Health aligns with indigenous perspectives that hold animals, people, and the environment together in a holistic view of health.
- Ministry of Human Resource Development (2020) indigenous children "find their school education irrelevant and foreign [. . .] both culturally and academically"







PLAY AND ON-GROUND CO-CREATION...



Yanching, M, 2022. Community-based map in the Planetary centre



Community-based map to be installed in

ITANAGAR, 21 Jun: As part of the plan to establish a planetary interpretation centre in the Tippi wildlife range in the Pakke tiger reserve (PTR), a community-based map, focussing on the Tippi-Bhalukpong area

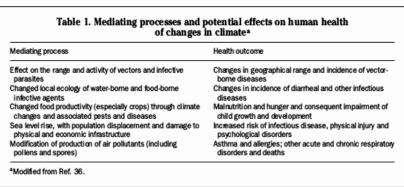
and the PTR, was released on Tuesday by the forest department, the D8T/Welcome Trust India Alliance and Bengaluru-based Institute of Public Health.

Yangchin Musabi. a 21-vear-old animation student and illustrator from Rupa, was selected to prepare a

Tippi wildlife range

PLAY TO UNRAVEL ONGROUND CONTEXTS







Andrea Silva, Fernando Dias Velho, Anika Juneja and Nandini Velho, 2022. Biodiversity and Human Health Games.



Design Thinking Approaches for Specific Challenges

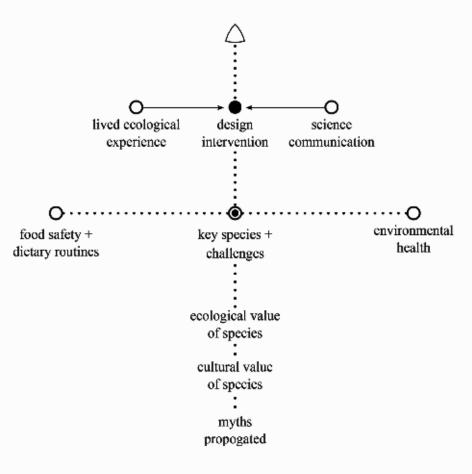


Fig. 2. Vertical analysis of One Health Source: Adapted from CDC



Adira Andlay, 2023. Biyu Tabu Nibew project & Tippi Planetary Health Centre Team. MacClelland's Coral Snake: Ashok Captain



Discover Define

1. Diooni s raxonomy (c). 1. The Field Study Handbook 1. Indigenous Research Methods 1. Play-to-engage model Frameworks Realms of Learning Ethnographic Study Codesign Workshops High-fidelity prototyping Context mapping Craft Communities Reflective Analysis (d). Understanding state-of-the-art Expert interviews Methods Children from Indigenous Material Research and Secondary research Gauging pain points Groups Experiments IDEO HCD guidelines Primary research Workshop planning Field analysis Low-fidelity prototyping User Evaluation Low-fidelity prototypes High-fidelity prototype Project brief User research strategy User feedback Expert validation (e). Project timeline Market analysis Deliverables Light-touch Thematic Analysis Review of current challenges of interviews + workshops Setting up research board Concept Selection mid-stage (Miro) Definition Stakeholder Mapping

Frequency table created of top 3 species based on data gathered for the activity 'write a letter to a species that you consider dangerous' (N=40)

Species	Percentage	Most frequently used word/s
Snake	43.47%	dangerous
Tiger	10.86%	dangerous, attack
Cat	8.69%	dirty, long nails, attacks













Limitations and Future Directions...

- Where does this work fit in?
- Training supports interdisciplinary skills, cocreation time-consuming & need for more innovation.
- How can effective interdisciplinary and participatory action research be supported?

Facilitating biodiversity conservation through partnerships to achieve transformative outcomes

Rehema M. White . Birgit Schmook, Sophie Calmé, Anthony J. Giordano, Yves Hausser, Lynn Kimmel, Lou Lecuyer, Mauro Lucherini, Crisol Méndez-Medina, Juan L. Peña-Mondragón

First published: 20 January 2023 | https://doi.org/10.1111/cobi.14057



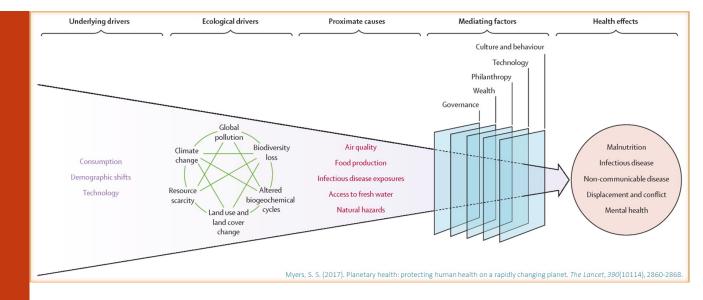






Session A: Climate Change & **Planetary Health**

Session summary & discussion points



- **Ecological drivers**
- **Proximate causes**
- **Mediating factors**
- **Health effects**



Two guiding questions:

- A. What are facilitating, hindering or otherwise influencing factors for the establishment of planetary health framework in different regions of the world?
- B. What recommendations would you suggest to better equip and prepare leaders from the Global South / Global North to contribute to the agenda of Planetary Health?



#colloq23



Thank you!

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