Enhancing wildlife health through environmental management

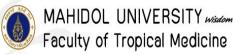
Serge Morand

serge.morand@umontpellier.fr
serge.morand@cnrs.fr











Mat ère

Emergence of infectious diseases

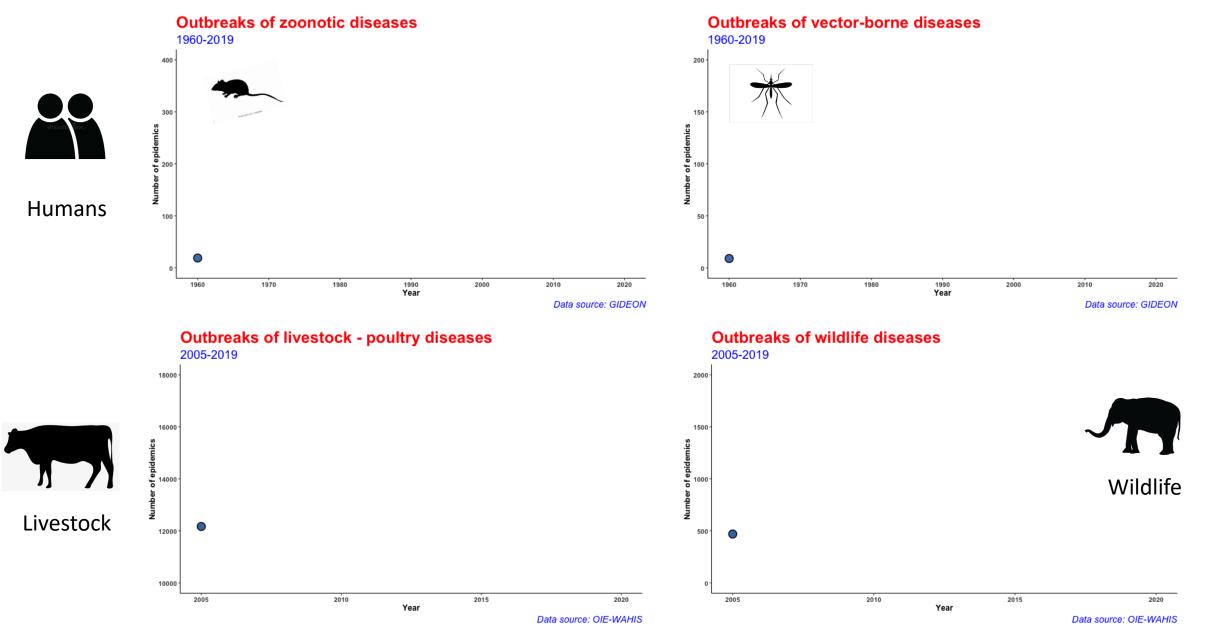
Risks and issues for society

Serge Morand, Muriel Figuié, eds.

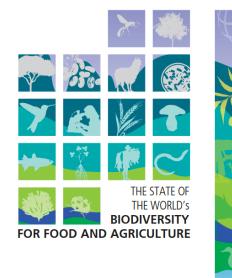


An epidemic of epidemics

An increasing number of outbreaks







FAO COMMISSION ON GENETIC RESOURCES FOR FOOD AND AGRICULTURE

ASSESSMENTS • 201

Increase of fungal diseases in plants and animals

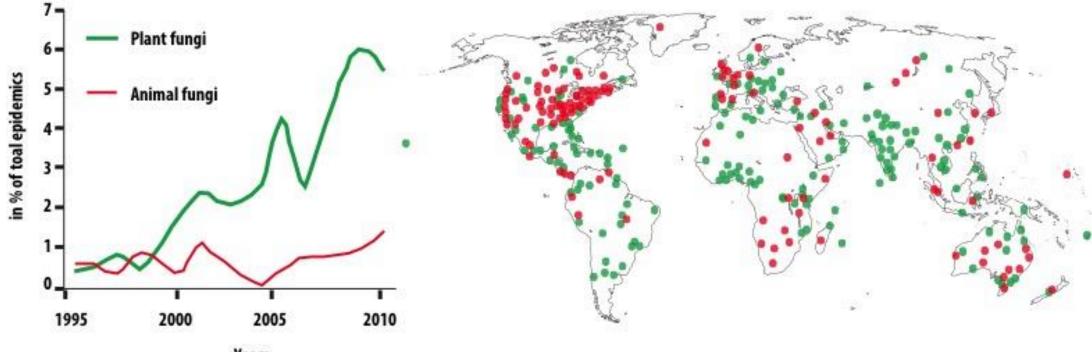


Bat white-nose syndrome



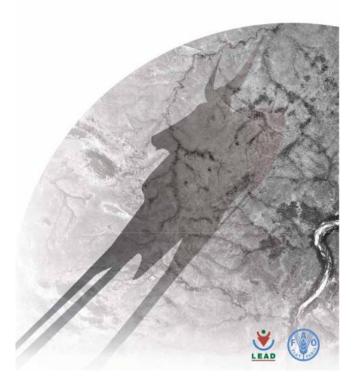
Amphibian cythrid

Plant fungal diseases



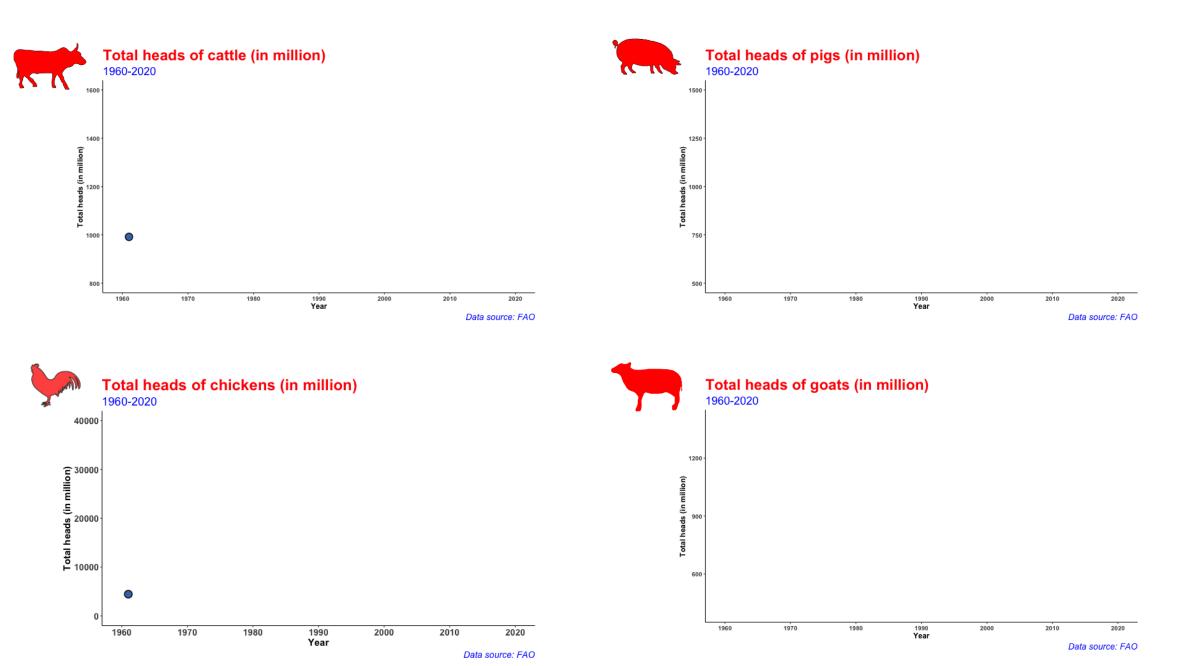
Years



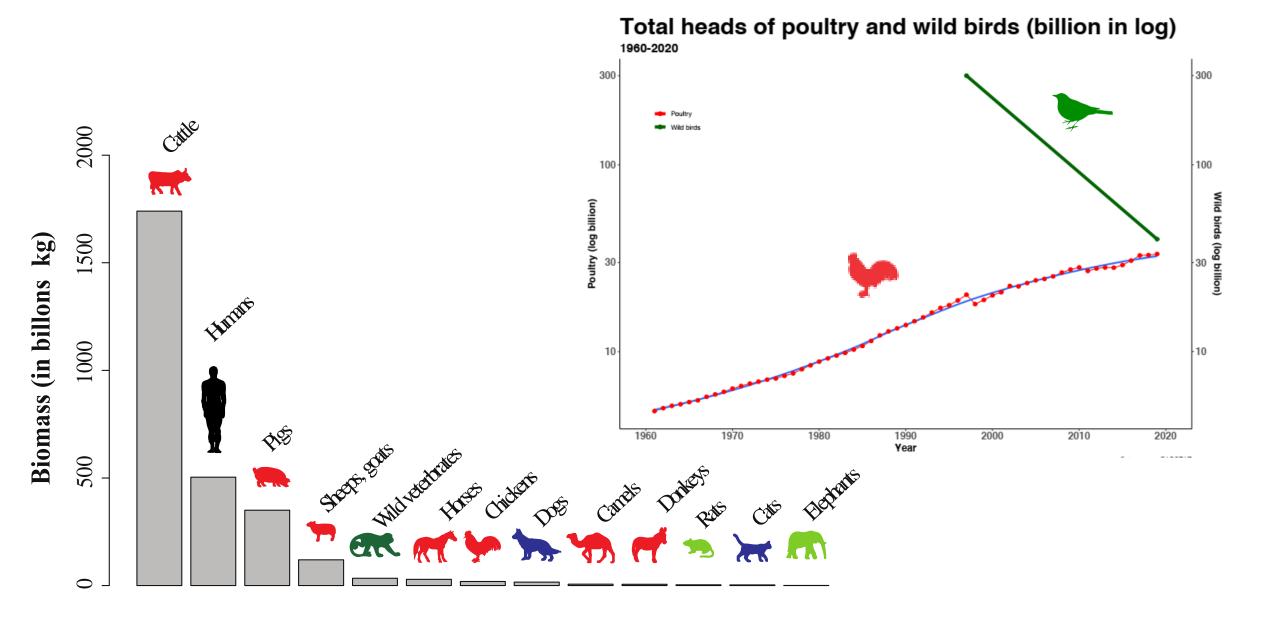


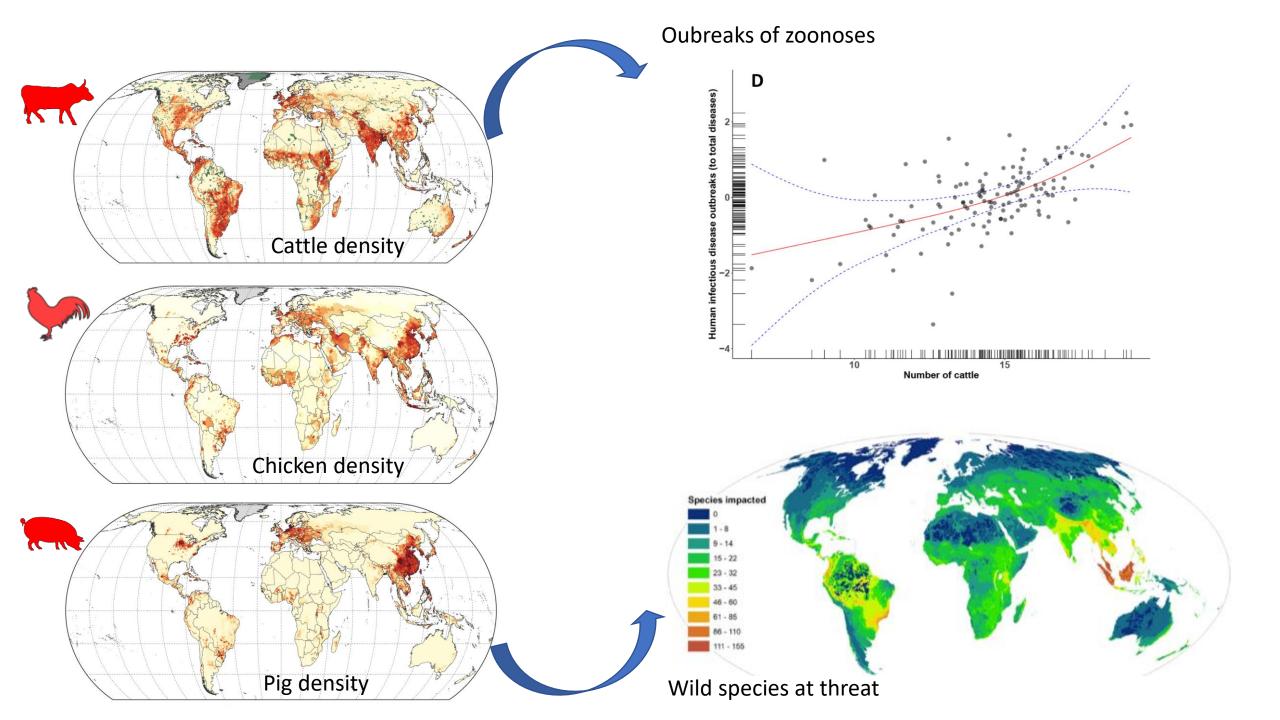
The increasing livestock footprint

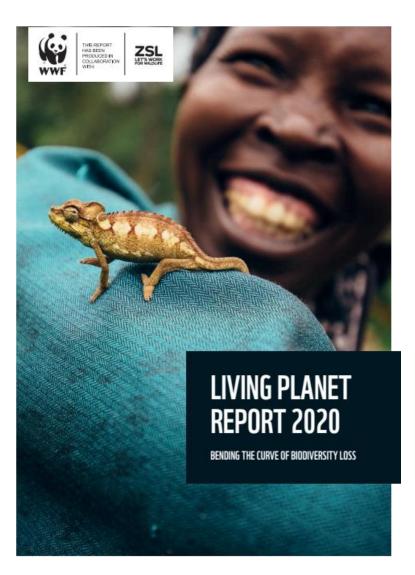
Livestock and poultry increase



A planet dominated by livestock and poultry

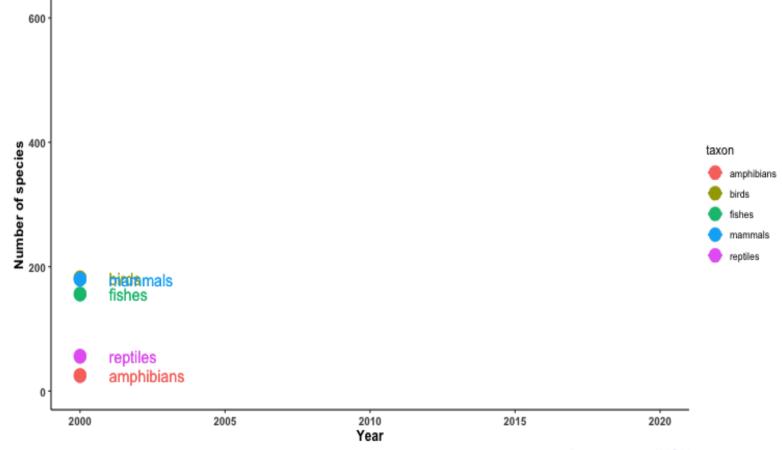






A biodiversity in crisis

IUCN number of criticially endangred species 2000-2020



Data source: IUCN



THE IUCN RED LIST OF THREATENED SPECIES[™]

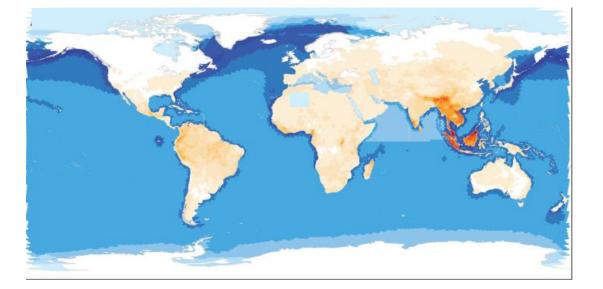
A negative biodiversity – disease transmission

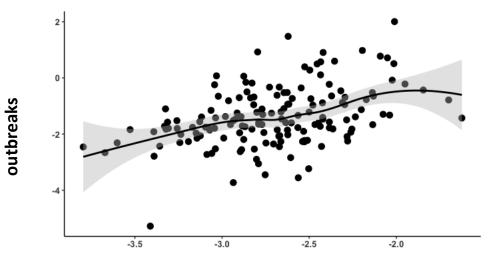
High biodiversity at threat



Relative number of

Higher number of outbreaks!





Relative number of species at threat

=> Hot spots linked to interlinkages of multiple drivers



SUSCEPTIBLE Humans, pigs, horses, dogs, cats.

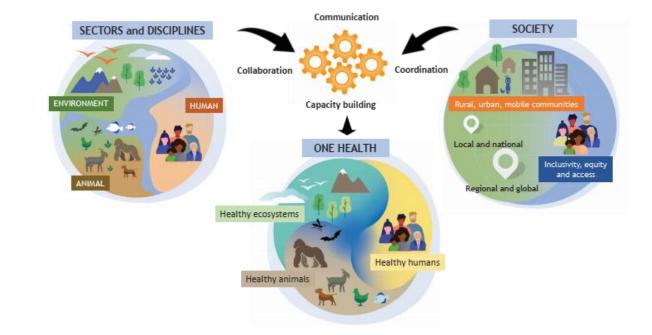
SUSCEPTIBLE Humans, horses, dogs.

POLICY BRIEF

Accelerating One Heath in Asia and the Pacific









Succeeding One Health through resilient territories: healthy ecosystems for healthy people





Succeeding One Health through resilient territories: healthy ecosystems for healthy people

Apreliation bissillers in Bratistal Resimence Managements

UNESCO Biosphere Reserves

Supporting Biocultural Diversity, Sustainability and Society



Edited by Maureen G. Reed and Martin F. Price





Planning thinking

Learning system

Scenario thinking

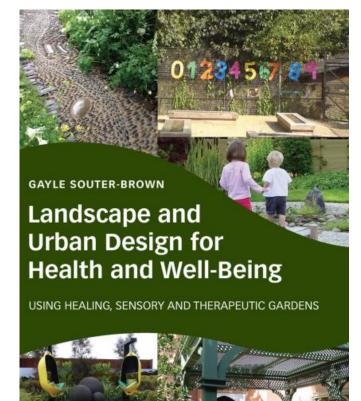
Theory of change



Science Task Force for the UN Decade on Ecosystem Restoration



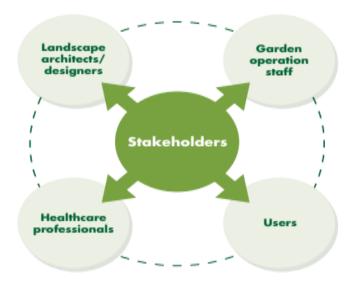




Urban forests and therapeutic gardens

DESIGN GUIDELINES FOR THERAPEUTIC GARDENS IN SINGAPORE





Stakeholders of therapeutic gardens

EXAMPLES OF PLANTS FOR ATTRACTING FAUNA





Asclepias curassavica 'Silky Yellow' (Milkweed)

Rhodomyrtus v' Rose Myrtle)



Afgekia sericea (Silky Afgekia)



Etlingera elatior (Torch Ginger) Calotropis gigantea (Giant Milkweed)



Participants and volunteers enjoying gardening activities from the therapeutic horticulture programme

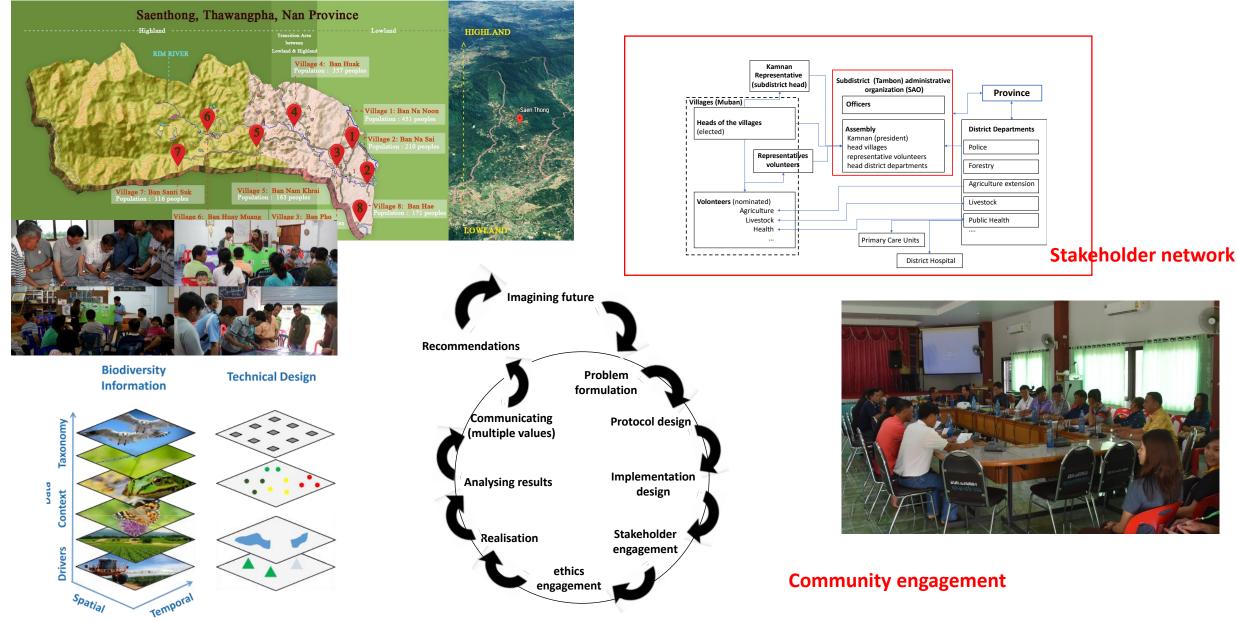


Contributions of community forestry to COVID-19 response and recovery in seven Asian countries

💸 RECOFTC

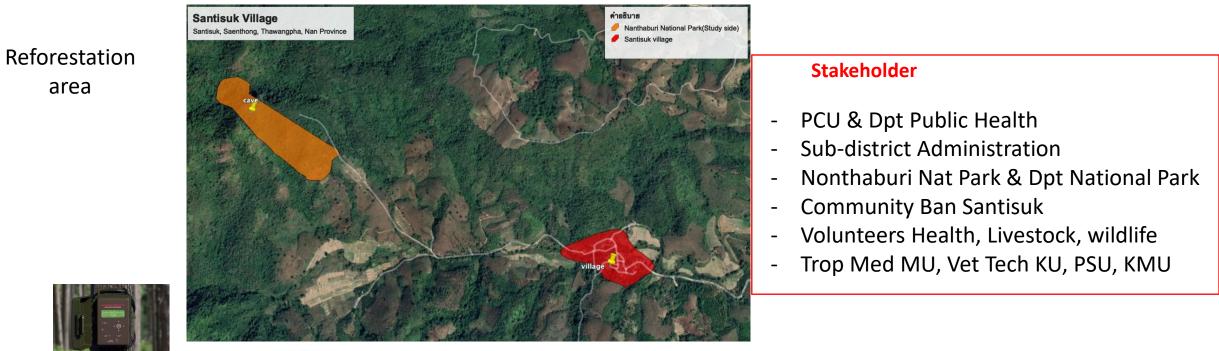
Reforestation

Social-ecological observatory of biodiversity & health of Saenthong (Nan, Thailand) since 2008



Scale

Is rewilding (refaunation) following reforestation a health risk?



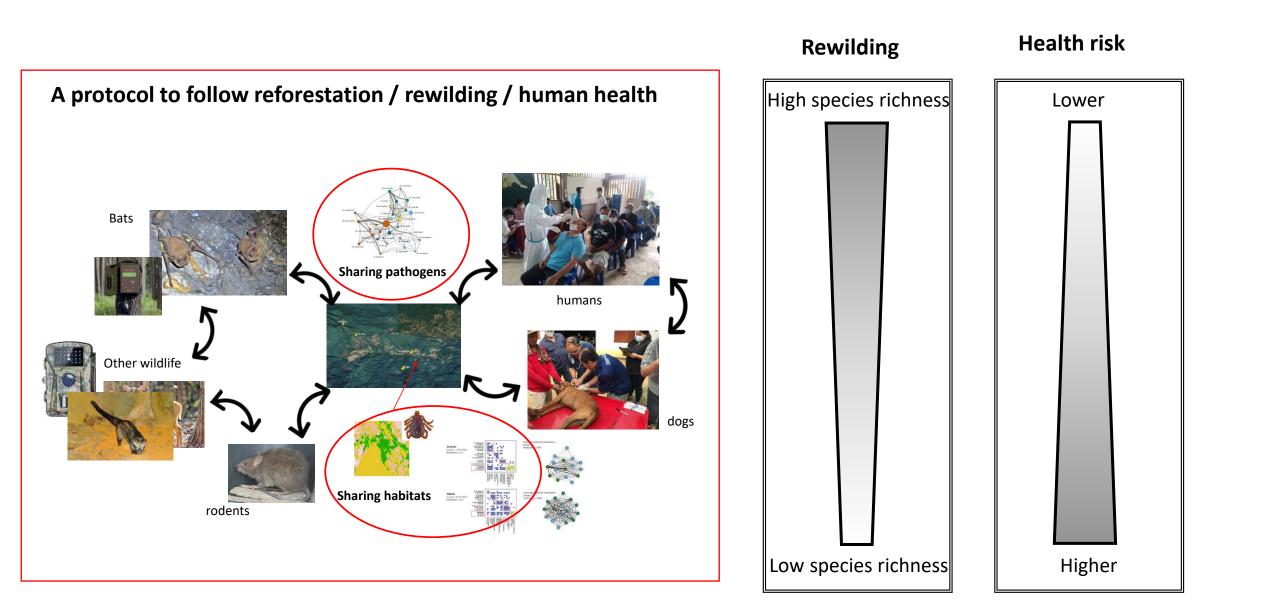
Sound recorders

area

Camera traps



Live trapping



BIODIVERSITY CONSERVATION IN SOUTHEAST ASIA CHALLENGES IN A CHANGING ENVIRONMENT

EARTHSCAN CONSERVATION AND DEVELOPMENT SERIES

EDITED BY

SERGE MORAND, CLAIRE LAJAUNIE AND ROJCHAI SATRAWAHA

Serge Morand Jean-Pierre Dujardin Régine Lefait-Robin Chamnarn Apiwathnasorn *Editors*

Socio-Ecological Dimensions of Infectious Diseases in Southeast Asia

