Environments and Health Research Summit

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ALC SPRIST

FRNS

Socio-ecological drivers of inter-species pathogen transmission





EClinicalMedicine. 2022 May;47:101386

Maintaining health through immunity, from human and other animal cells to ecosystems







Nat Rev Microbiol. 2017 Aug;15(8):502-510. doi: 10.1038/nrmicro.2017.45 Conservation Letters.2022;15:e12869



Highly pathogenic avian influenza virus; a leading candidate for the next pandemic





Action track 2: Reducing the risks from emerging and reemerging zoonotic epidemics and pandemics



2.1.1 Research and risk assessments on the drivers, processes and pathways for zoonotic diseases; characterize intact resilient eco- and health systems and their effect on disease prevention

Action 2.1. Understand the drivers of emergence, spillover and spread of zoonotic pathogens Action 2.2. Identify and prioritize interventions to prevent zoonotic emergence, spillover and spread

2.1.3 Identify drivers and indicators to monitor their impacts on zoonotic diseases including those that can lead to increased interfaces or disruptions of natural host-pathogen dynamics

2.1.4 Develop a One Health indicator framework to monitor the health of humans, wildlife, domestic animals, vectors and the environment, including in intact, resilient eco- and health systems

2.2.2 Incorporate land-use planning in health and biodiversity risks assessment, and vice versa

2.2.3 Establish standards for the management of ecosystem processes to support resilience, including mainstreaming habitat degradation prevention and biodiversity protection

2.2.4 Engage with local communities, including Indigenous Peoples, to identify sustainable solutions, nature-based where applicable, to increase community preparedness and resilience FIGURE 1. PREVENTION OF ZOONOTIC SPILLOVER TO HUMANS



who.int/groups/one-health-high-level-expert-panel

unep.org/bitstream/handle/20.500.11822/40843/one_health.pdf?sequence=1&isAllowed=y