

# PANORAMA

Thematic portfolio



Strengthening preparedness  
and resilience to emergencies



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# PERSPECTIVES

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## RESOURCES

# Biological threat reduction

## KEYWORDS

#biological threat reduction, #OIE publication, #Scientific and Technical Review, #World Organisation for Animal Health (OIE).



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This issue of the [\*Scientific and Technical Review\*](#) reviews the use of animal pathogens and zoonotic agents as

bioweapons. More specifically, it examines their use throughout history, explores current disease trends and threats and evaluates the use of animals (terrestrial and aquatic) as sentinels for early detection of outbreaks affecting animals and/or humans, whether the outbreaks be of natural, accidental or deliberate origin. In addition, it looks at the potential impacts of animal pathogens, including zoonotic agents, on economies, social unrest, food security, and public health. It reviews current frameworks for an international response to a biological event and explores current United Nations mechanisms for response to an alleged use of biological agents. This volume also explores technological advances for early detection, surveillance, and response to a disease event. It concludes by discussing systems for strengthening global biosecurity and resilience and considering methods of ensuring the sustainability of these systems.

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