Conservation and Development Interventions at the Wildlife/Livestock Interface

Implications for Wildlife, Livestock and Human Health
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The launch of the Wildlife Conservation Society’s AHEAD (Animal Health for the Environment And Development) initiative coincided with the Vth World Parks Congress held in Durban, South Africa in September 2003, and was carried out in partnership with The Wellcome Trust, the U.S. National Science Foundation (NSF), IUCN (including the Species Survival Commission’s Veterinary Specialist Group and Southern Africa Sustainable Use Specialist Group), the African Union’s Pan African Programme for the Control of Epizootics/Interafrican Bureau for Animal Resources, the Office International des Epizooties – the World Organisation for Animal Health (OIE), the World Wildlife Fund, the WWF Russell E. Train Education for Nature Program, as well as Pfizer Corporation and the U.S. Agency for International Development (USAID). We are extremely grateful for this breadth of support.


AHEAD invitees (or a good portion of them!) – Vth World Parks Congress – Durban, South Africa, September 2003
Angela Yang. Sincere apologies to anyone we may have inadvertently missed!

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Sincerely,

Steve Osofsky, DVM
Wildlife Conservation Society – Field Veterinary Program
Senior Policy Advisor, Wildlife Health
### Abbreviations and Acronyms

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<th>Acronym</th>
<th>Description</th>
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<tbody>
<tr>
<td>AAAS</td>
<td>American Association for the Advancement of Science</td>
</tr>
<tr>
<td>ADMADE</td>
<td>Administrative Management Design for Game Management Areas</td>
</tr>
<tr>
<td>AE</td>
<td>adult equivalent</td>
</tr>
<tr>
<td>AGID</td>
<td>agar-gel immunodiffusion</td>
</tr>
<tr>
<td>AHEAD</td>
<td>Animal Health for the Environment And Development</td>
</tr>
<tr>
<td>AIDS</td>
<td>acquired immune deficiency syndrome</td>
</tr>
<tr>
<td>ASAL</td>
<td>arid and semi-arid lands</td>
</tr>
<tr>
<td>ASF</td>
<td>African swine fever</td>
</tr>
<tr>
<td>AU/CTTBD</td>
<td>African Union/Centre for Ticks and Tick-Borne Diseases</td>
</tr>
<tr>
<td>AU/IBAR</td>
<td>African Union/Interafrican Bureau for Animal Resources</td>
</tr>
<tr>
<td>AWF</td>
<td>African Wildlife Foundation</td>
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<tr>
<td>AZA</td>
<td>American Zoo and Aquarium Association</td>
</tr>
<tr>
<td>BIIT</td>
<td>blood infectivity incubation test</td>
</tr>
<tr>
<td>BINP</td>
<td>Bwindi Impenetrable National Park</td>
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<tr>
<td>BTB</td>
<td>bovine tuberculosis</td>
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<tr>
<td>CAHS</td>
<td>Community-based Animal Health Systems</td>
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<tr>
<td>CAHW</td>
<td>Community-based Animal Health Workers</td>
</tr>
<tr>
<td>CAMPFIRE</td>
<td>Communal Areas Management Program For Indigenous Resources</td>
</tr>
<tr>
<td>CAPE</td>
<td>Community-based Animal Health and Participatory Epidemiology</td>
</tr>
<tr>
<td>CBNRM</td>
<td>Community-Based Natural Resource Management</td>
</tr>
<tr>
<td>CBPP</td>
<td>contagious bovine pleuropneumonia</td>
</tr>
<tr>
<td>CCPB</td>
<td>contagious caprine pleuropneumonia</td>
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<tr>
<td>CI</td>
<td>Conservation International</td>
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<tr>
<td>CIRAD</td>
<td>Centre de coopération internationale en recherche agronomique pour le développement</td>
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<tr>
<td>CITIES</td>
<td>Convention on International Trade in Endangered Species</td>
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<tr>
<td>CONASA</td>
<td>Community-based Natural Resource Management and Sustainable Agriculture</td>
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<tr>
<td>CRB</td>
<td>Community Resource Board</td>
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<tr>
<td>DFID</td>
<td>Department For International Development</td>
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<td>DNPWM</td>
<td>Department of National Parks and Wildlife Management</td>
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<tr>
<td>DRC</td>
<td>Democratic Republic of Congo</td>
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<tr>
<td>EAC</td>
<td>East African Community</td>
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<tr>
<td>ECF</td>
<td>East Coast fever (theileriasis)</td>
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<tr>
<td>EDD</td>
<td>Exotic Diseases Division</td>
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<tr>
<td>EIA</td>
<td>environmental impact assessment</td>
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<td>EU</td>
<td>European Union</td>
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<tr>
<td>FAO</td>
<td>Food and Agriculture Organization (of the United Nations)</td>
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<tr>
<td>FEWS</td>
<td>Famine Early Warning System</td>
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<td>FMD</td>
<td>foot and mouth disease</td>
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<tr>
<td>FVP</td>
<td>Field Veterinary Program</td>
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<td>GATT</td>
<td>General Agreement on Tariffs and Trade</td>
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<td>GDP</td>
<td>gross domestic product</td>
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<tr>
<td>GEF</td>
<td>Global Environment Facility</td>
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<tr>
<td>GIS</td>
<td>Geographic Information Systems</td>
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GLTFCA  Great Limpopo Transfrontier Conservation Area
GLTFP  Great Limpopo Transfrontier Park
GMA  Game Management Area
GR  Game Reserve
GREP  Global Rinderpest Eradication Programme
GTZ  Gesellschaft für Technische Zusammenarbeit
ha  hectare
HIV  human immunodeficiency virus
HUP  Hluhluwe-Umfolozi Park
ILRI  International Livestock Research Institute
IRDNC  Integrated Rural Development and Nature Conservation
IUCN  World Conservation Union (International Union for Conservation of Nature and Natural Resources)
JMB  Joint Management Board
KARI  Kenya Agricultural Research Institute
KEMRI  Kenya Medical Research Institute
KNP  Kruger National Park
KWS  Kenya Wildlife Service
LIFE  Living In a Finite Environment
LPEC  Livestock Production Efficiency Calculator
LSU  large stock unit
MAWRD  Ministry of Agriculture, Water, and Rural Development
MCF  malignant catarrhal fever
MET  Ministry of Environment and Tourism
MGE  mobile genetic elements
MOLD  Ministry of Livestock Development
NCAA  Ngorongoro Conservation Area Authority
NGO  nongovernmental organization
NIMR  Naval Institute of Medical Research (Tanzania)
NNF  Namibia Nature Foundation
NP  National Park
NSF  National Science Foundation
OAU  African Union (previously Organization of African Unity)
ODA  Overseas Development Administration
OIE  Office International des Epizooties, also World Organisation for Animal Health
OSS  Observatoire du Sahara et du Sahel
PACE  Pan African Programme for the Control of Epizootics
PARC  Pan African Rinderpest Campaign
PCR  polymerase chain reaction
PPR  peste des petits ruminants
RFLP  restriction fragment length polymorphism
ROSELT  Réseau d’Observatoires de Surveillance Ecologique à Long Terme
RP  rinderpest
RT-PCR  reverse transcription polymerase chain reaction
RVF  Rift Valley fever
SADC  Southern African Development Community
SANParks  South African National Parks
<table>
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<th>Acronym</th>
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<tr>
<td>SARS</td>
<td>severe acute respiratory syndrome</td>
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<td>SASUSG</td>
<td>Southern Africa Sustainable Use Specialist Group</td>
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<tr>
<td>SAT</td>
<td>South African Territories</td>
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<tr>
<td>SAVA</td>
<td>South African Veterinary Association</td>
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<td>SEATIP</td>
<td>South East Africa Tourism Investment Program</td>
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<td>SEL</td>
<td>South East Lowveld</td>
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<tr>
<td>SRA</td>
<td>serum-resistance associated (gene)</td>
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<td>SSC</td>
<td>Species Survival Commission</td>
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<td>SUA</td>
<td>Sokoine University of Agriculture</td>
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<td>TANAPA</td>
<td>Tanzania National Parks</td>
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<td>TAWIRI</td>
<td>Tanzania Wildlife Research Institute</td>
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<tr>
<td>TB</td>
<td>tuberculosis</td>
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<tr>
<td>TBD</td>
<td>tick-borne disease</td>
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<td>TFCA</td>
<td>Transfrontier Conservation Area</td>
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<td>TLU</td>
<td>tropical livestock unit</td>
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<td>TPN3</td>
<td>Thematic Programme Network 3</td>
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<td>TRAFFIC</td>
<td>Trade Records Analysis of Fauna and Flora In Commerce</td>
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<td>Tropical Resource Ecology Programme</td>
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<td>UNCCD</td>
<td>United Nations Convention to Combat Desertification</td>
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<td>UNEP-GEF</td>
<td>United Nations Environment Programme-Global Environment Facility</td>
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<td>UNESCO</td>
<td>United Nations Educational, Scientific, and Cultural Organization</td>
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<td>US</td>
<td>United States</td>
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<td>US$</td>
<td>United States dollars</td>
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<td>USAID</td>
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<td>United States Department of Agriculture</td>
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<td>UWA</td>
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<td>Wildlife Conservation Society</td>
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<td>World Health Organization</td>
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<td>World Trade Organization</td>
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<td>WWF</td>
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<td>ZSL</td>
<td>Zoological Society of London</td>
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