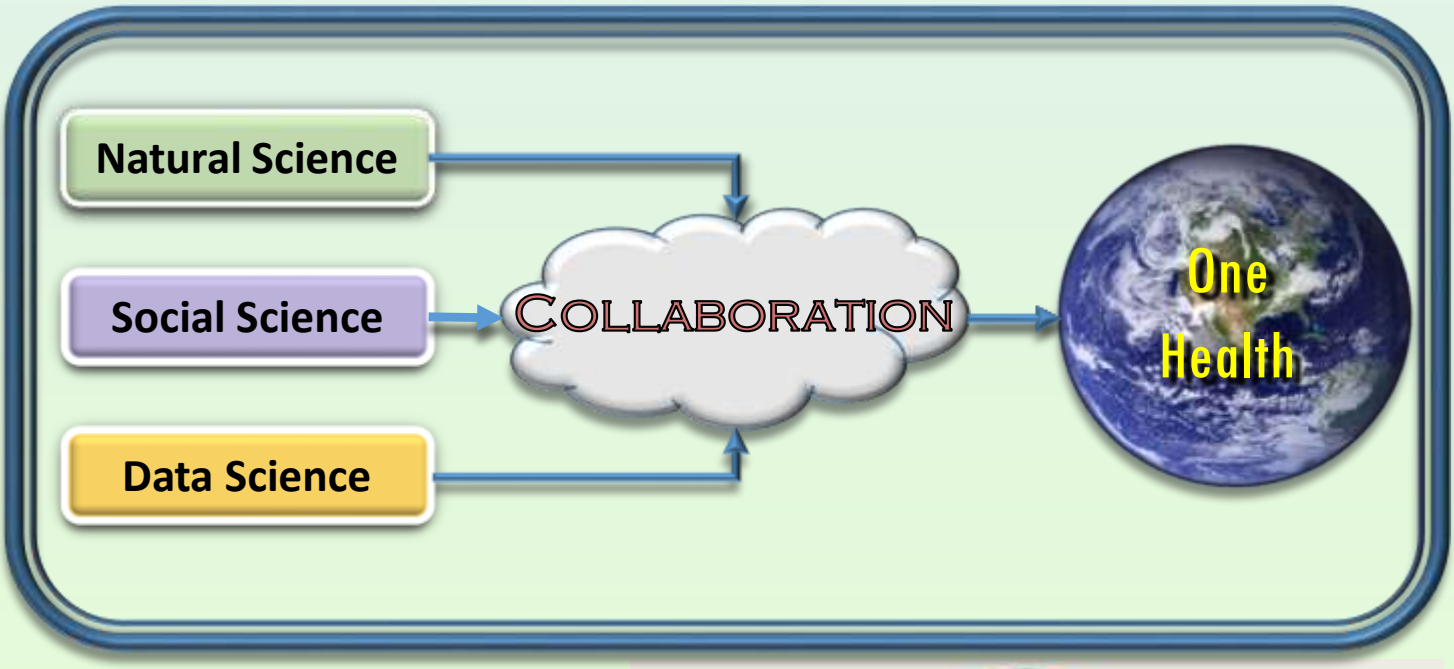
Hokkaido University
Leading Graduate School
Veterinary Science for One Health

The 12th Leading Special Lecture

One Science for One Health



F. Joshua Dein
Special Species Health
School of Veterinary Medicine
University of Wisconsin-Madison

January 17(Fri), 2014, 16:30～18:00

Lecture Hall, Graduate School of Veterinary Medicine,
Hokkaido University, JAPAN

F. Joshua Dein

Adjunct, Special Species Medicine
Department of Surgical Sciences
School of Veterinary Medicine
University of Wisconsin-Madison

ACADEMIC DEGREES:

B.A.	1973	Washington and Jefferson College (Biology)
V.M.D	1980	University of Pennsylvania (Veterinary Medicine)
M.S.	1983	University of Pennsylvania (Pathology)

PROFESSIONAL APPOINTMENTS:

1982 – 1984	Research Fellow, National Zoological Park, Smithsonian Institution
1984 - 1987	Research Veterinarian/Animal Welfare Officer, US Fish and Wildlife Service
1987 - 2014	Veterinary Medical Officer, US Geological Survey
2007 - Present	Fellow, Nelson Institute for Environmental Studies, University of Wisconsin-Madison
1999 – Present	Adjunct, School of Veterinary Medicine, University of Wisconsin-Madison

RESEARCH INTERESTS:

- Wildlife diseases and their relationship to human and ecosystem health
- Alternative strategies for disease detection
- Semantic web technologies for integration of multi-disciplinary data
- Facilitation and collaboration processes for inter-institutional research

One Science for One Health

F. Joshua Dein, VMD, MS and Marla M. Handy, PhD

University of Wisconsin–Madison
fjdein@wisc.edu

The concept of One Health promotes the integration of medical sciences (human and veterinary) and applies this knowledge to support the maintenance of healthy global ecosystems. This creates demand for combined expertise in the natural, information, computational and social sciences, and requires collaborative, multi-institutional and interdisciplinary approaches. However, these well-intentioned efforts can generate challenges of their own. Interdisciplinary work is, in effect, cross cultural since each field has its own organizational methods of communication, data-sharing and review for validity of results. Yet, few interdisciplinary research efforts recognize and plan for these types of challenges which may threaten a positive outcome. This special lecture will highlight examples of tools and processes from different ”sciences” that may be helpful in the development and implementation of successful One Health projects.

Hokkaido University
Leading Graduate School
Veterinary Science for One Health