GloCal Health Fellowship Career Development Webinar

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SCHOOL OF VETERINARY MEDICINE, UC DAVIS
https://cadms.vetmed.ucdavis.edu

UCDAVIS VETERINARY MEDICINE
Center for Animal Disease Modeling and Surveillance

CADMS

Feb 17, 2021

Background

Education

- *1999-2004*__***DVM***, Complutense University of Madrid (**UCM**), Spain.

Background

Post-Doctoral Researcher

Research

2009-2011 ***Post-doc**: **EU project** (CSFV_goDIVA): Evaluation of the epidemiological role of backyard pigs in the European Union.* **VISAVET-UCM,** Madrid, Spain

2012-2013 ***National competitive research contract**: New epi-methods for evaluation, prevention and control of zoonotic diseases at the wildlife-domestic interface.* National Wildlife Research Institute (**IREC-CSIC-UCLM**), Ciudad Real, Spain

More than 20 National and international competitive scientific projects/contracts with public/private bodies

47 publications:
(17 first author)
24 SCI,
12 no SCI,
11 books/monographs

Funds capture

2,080,886 €
(**USD 2.7 million**)

Teaching

Associate Professor of Veterinary Epidemiology, University Cardenal Herrera-CEU (**UCH-CEU**), Valencia, Spain

***Lecturer** at Master degrees in Spain:*
- *Advance data analysis in biostatistics and epidemiology (**UCLM**)*
- *Wildlife epidemiology and disease control (**UCLM**)*
- *Management of Crisis and Emerging Threatens in a Global World (**USP-CEU**)*

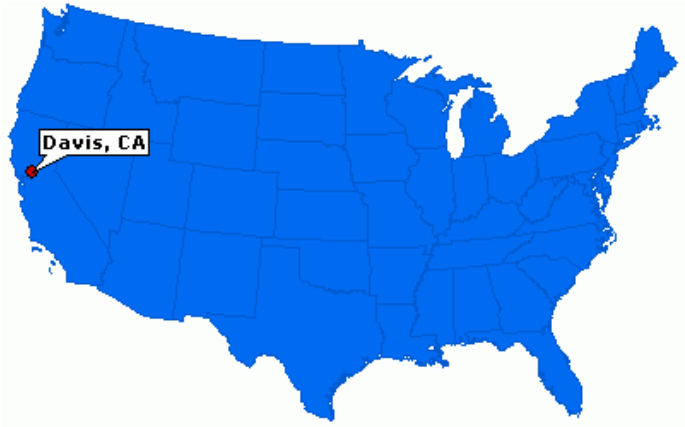
***Courses/seminars** on epidemiology of infectious diseases for Veterinary Services/Private veterinarians*

Teaching material:

Epidemiology of infectious diseases
Digital/field simulations
Video/photo libraries

Mentor, advisor or committee member of 8 **graduate students**.

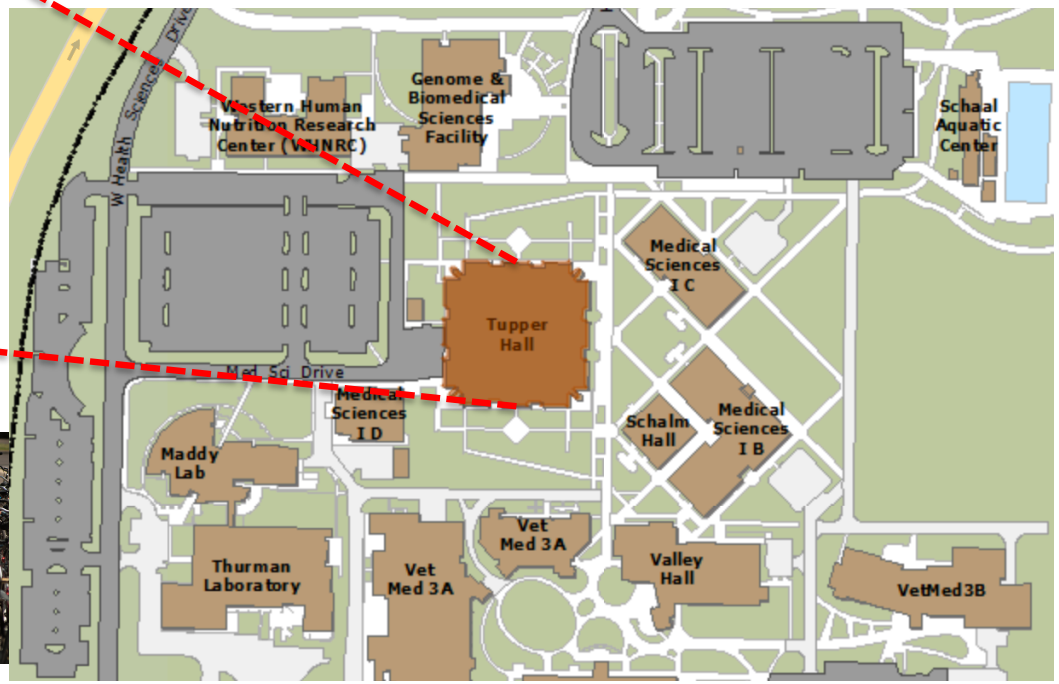
Background

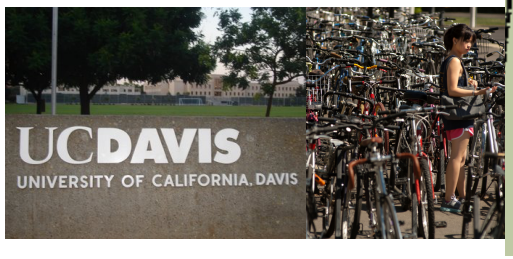


Assistant/Associate/Full Professor *(2014-cont.)*

Tupper Hall
One Shields Avenue
Department of Medicine and Epidemiology
School of Veterinary Medicine
University of California, Davis, CA 95616

>100 publications
>$10 million funds capture



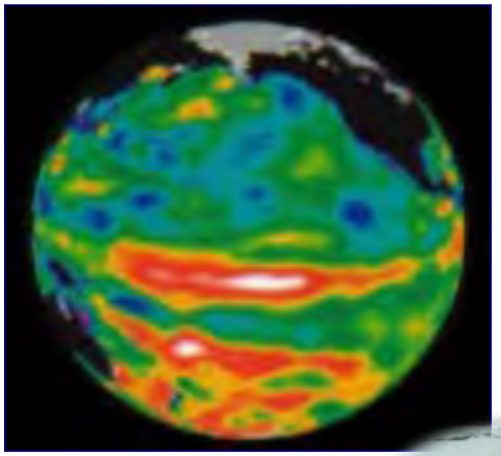


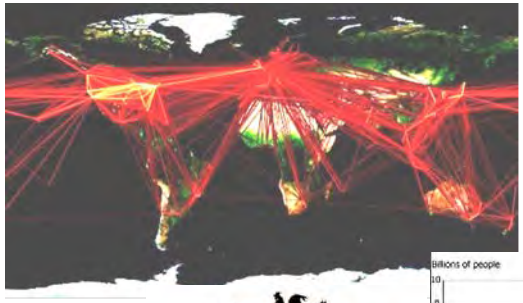
During this time...

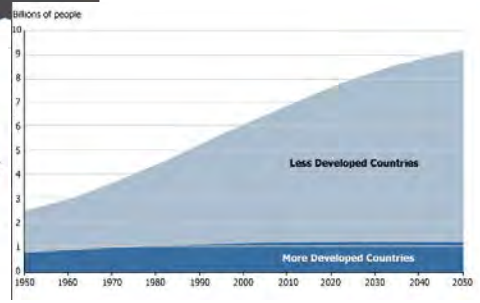
I had the oportunity to work in **INTERDISCIPLINARY TEAMS**

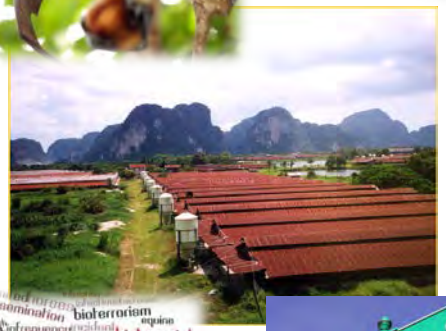
WHY A GLOBAL STRATEGY?

Global changes…









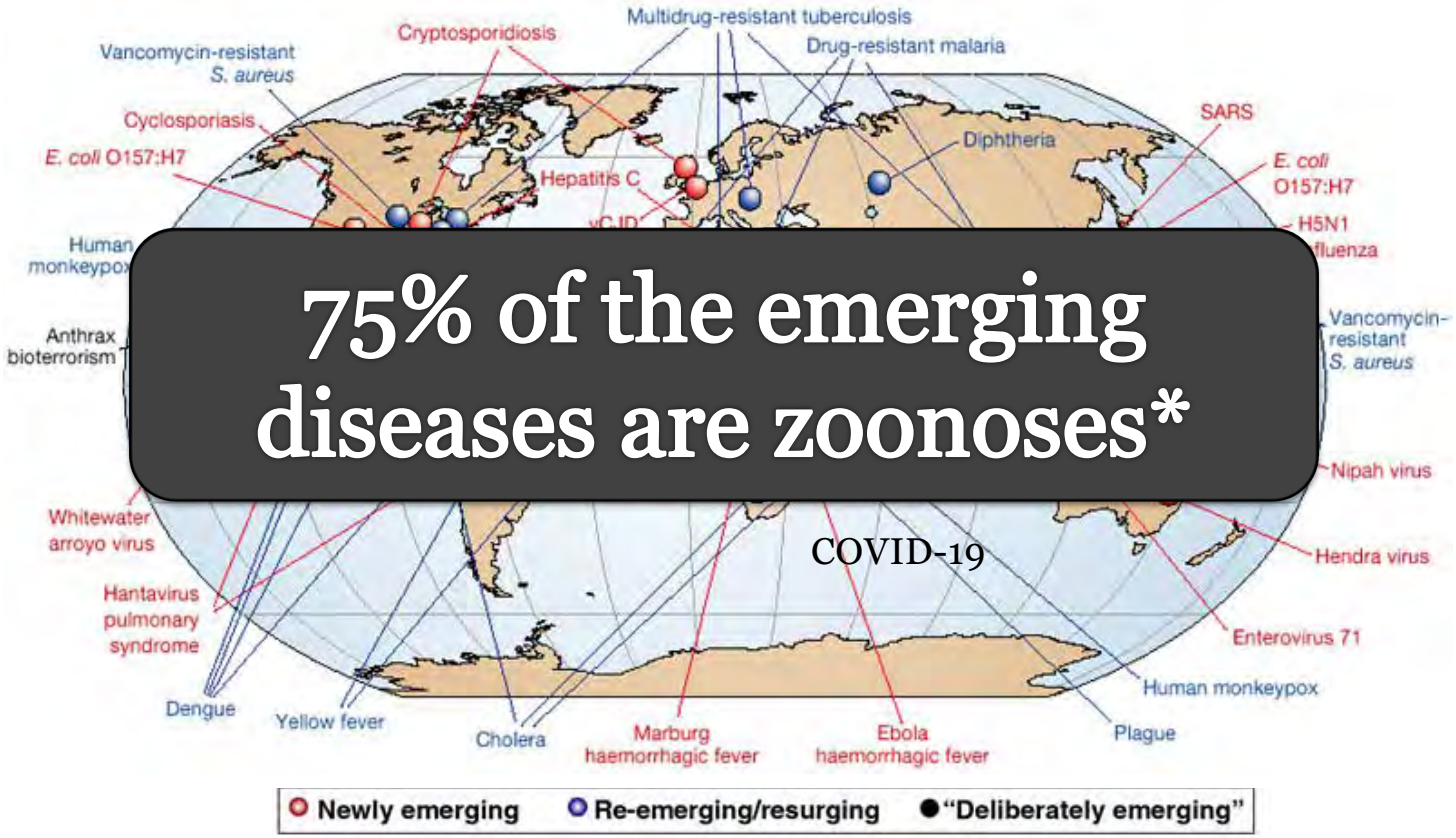
Global changes…

Increased interaction

Complex epidemiological scenarios → **All is interrelated…**

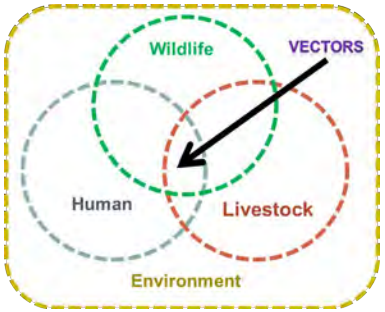
Global changes…

Increased interaction



75% of the emerging diseases are zoonoses*

Source: http://www.nature.com/nature/journal/v430/n6996/fig_tab/nature02759_F1.html)



THE PROBLEM…

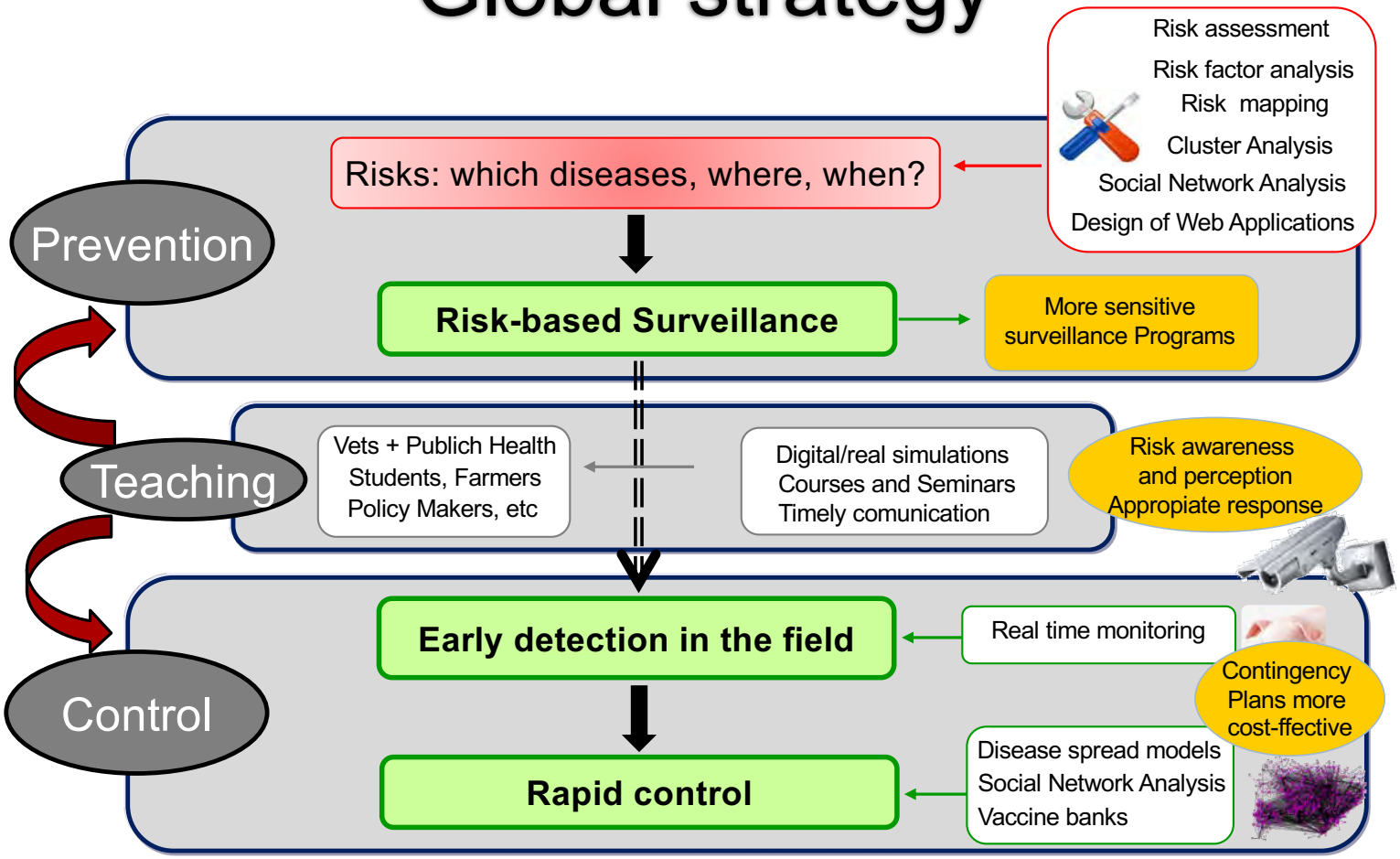
Time to detection in the field

Early detection !!!

Global strategy

THE PROBLEM…

Time to detection in the field

Early detection !!!

Global strategy