



# OIE-TWINNING PROJECTS A BRIDGE TO BUILD SUSTAINABLE VETERINARY SERVICE FOOD SAFETY ACTIONS ON A GLOBAL SCALE

*Vincenzo Caporale  
Hammamet, 4 April, 2011*





- ❑ **Effective food safety is possible only with integrated approaches along the whole supply chain**
- ❑ **Veterinary services are essential to assure the health and welfare of both human and non-primates populations as well as an optimal relationship humans-animals -environment : they are, therefore, THE key players of food safety assurance worldwide**
- ❑ **Food supply chains are becoming global and a global organization is necessary**
- ❑ **Twinning is part of the building of the global infrastructure to assure food security and safety worldwide with positive cost-benefit ratio for the international community**

# A system of controls effective and efficient

1. Comprehensive and integrated 'farm to table'
2. Food and feed operators must be made responsible of the safety of products
3. Feed and food ingredients must be fully traceable
4. Feed and food production and distribution processes must transparent
5. Risk analysis is the main driver of policies
  - ❖ assessment
  - ❖ management
  - ❖ communication





NO CONTROL SYSTEMS OF THE SUPPLY CHAIN CAN ASSURE ACCEPTABLE LEVELS OF FOOD SAFETY PROTECTION EFFECTIVELY AND EFFICIENTLY IF DOES NOT RECOGNIZE THE LEADING ROLE OF **VETERINARY SERVICES**





# One Community official veterinarian “from farms to shops”

Some Countries recognized that the health and welfare of both humans and other animals are closely interrelated and institutionalized the *Community based official veterinarian* in the *XIX Century*

They also recognized the official veterinary function as one and that could not be organized dividing it in a *pre-harvest* and *post harvest* phases and proceed to organize the *official Community veterinary function* “from the farm to the butcher shop” co-financing it with both public and private money



# *Veterinary service “from farm to shops” since the 30’s of the XX Century*

In Italy, as an example, a 1934 law obliged each Municipality

- ☐ to build a slaughterhouse as a mandatory “public health infrastructure”
- ☐ to hire a Communal veterinary officer
  - a. to care for the health and welfare of animals in the farms
  - b. to direct the slaughterhouse
  - c. to carry out food inspection in the Municipality food retailers



# ONE HEALTH ONE MEDICINE

This approach led rapidly to recognize, already in the middle of the XX Century that health of human primates and other animals was ONE and often it was more effective and efficient to prevent human disease by animal populations medicine

Echinococcosis  
Tuberculosis  
Salmonellosis  
Brucellosis



Recognizing the role of veterinary medicine in food security and safety and prevention of human diseases the General directorate for veterinary services was included in the Italian Ministry of health since the foundation of the latter in 1946



# ONE HEALTH & THE HUMAN-ANIMAL-ENVIRONMENT INTERRELATIONSHIP

**In some of the Countries where the One Health-One medicine culture had developed, the intensification of industrial and animal production led to the understanding of the value of the environment**



## SHARING ONE PLANET

**It lead also to the understanding that man and non-human animals shared the same world and had a mutual influence with the environment they lived in**

**This is the intrinsic culture of true veterinarians!**





## SHARING ONE PLANET

This led also to the understanding that preventive medicine, including food safety, could not be effective and efficient unless one did not recognize the existence of a solid and indissoluble

**HUMAN-ANIMAL-  
ENVIRONMENT  
INTERRELATIONSHIP**







# ONE PLANET ONE VILLAGE





# THE INTERNATIONAL SCENARIO OF FOOD SAFETY

- ❑ An enormous quantity of food products are traded globally every day
- ❑ The quality of final product is influenced by the safety of the raw materials and ingredients
- ❑ Controls and checks at the countries borders are not effective, due to their very nature, to assure the safety of imported food products and raw materials
- ❑ Only the development of cultural, technical and scientific cooperation process may support international strategies able to assure the safety of traded food products

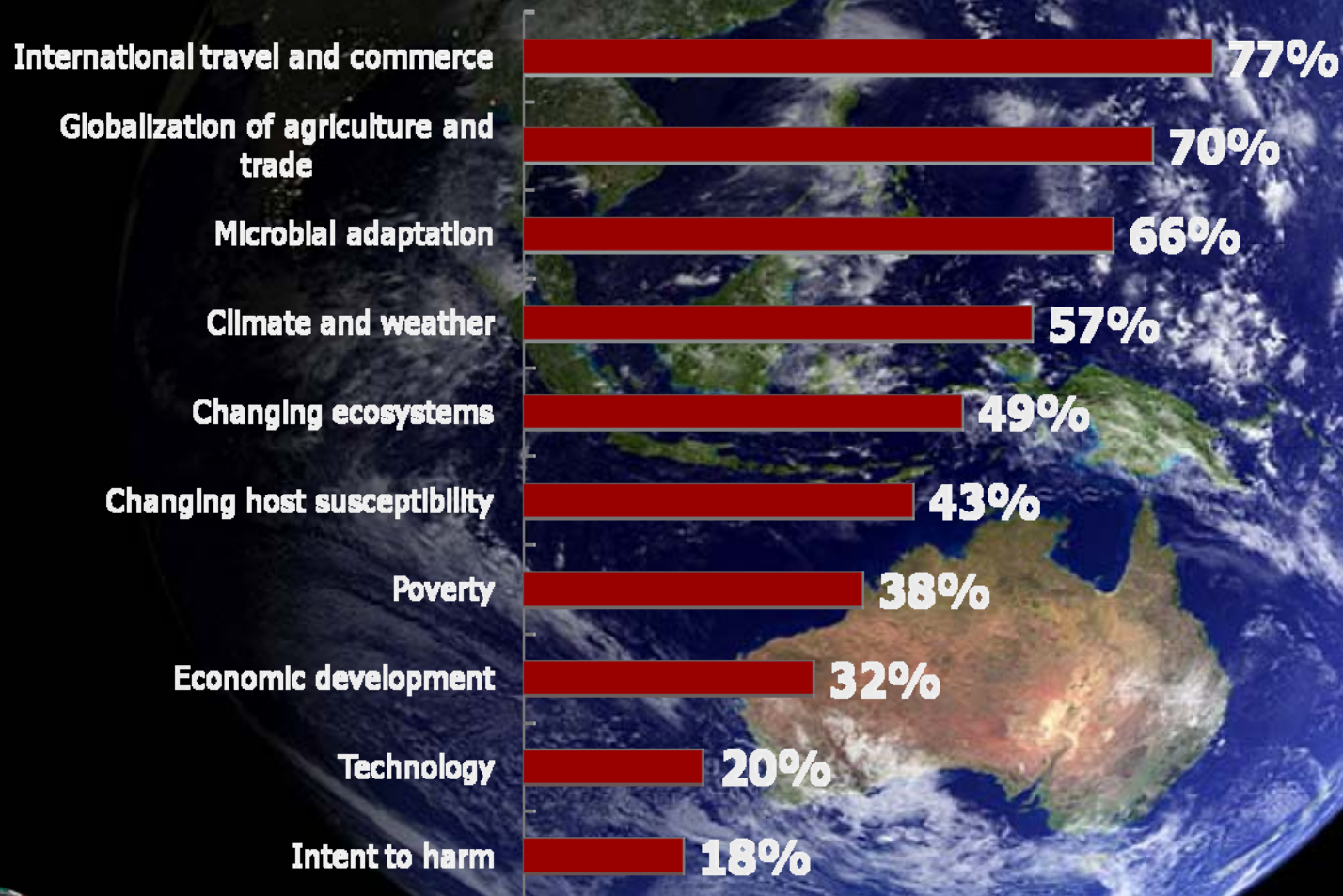


## Risk analysis "from farm to table"

- ❑ Food risk analysis (as well as food safety policies) must "trace" food through the whole production chain, from primary production to the transformation and distribution process down to domestic consumption



# ***FACTORS INFLUENCING EMERGENCE AND RE-EMERGENCE OF ANIMAL DISEASES(\*)***





# A GLOBAL RESPONSE

To assure the control of infectious diseases as well as the safety of food in the global village it is required

- ❖ Global coordination and concerted actions
- ❖ Global infrastructure assuring early warnings
- ❖ Rapid response on a global scale
- ❖ A global guarantor of the fairness of the play

❖ **The development of a Tra-Tru culture**



A photograph of three wolves in a snowy environment. One wolf is in the foreground, licking the face of another wolf. A third wolf is partially visible behind them. The scene is set in a snowy, bright environment.

**TRUST CAN BE BUILT ONLY SHARING  
COMMON GOALS AND WORKING  
TOGETHER**



**The true endeavor is reciprocal learning to  
build a common, shared knowledge in a  
sustainable way**





# THE NAMIBIA CVL & THE “G. CAPORALE” INSTITUTE TWINNING

*A 18 year old success story of sustainable collaboration in building “whole supply food chain veterinary competence”*





# THE NEW CHAPTERS WE ARE WRITING HOPE IN THE SAME **SUCCESS**

 **BOTSWANA**

 **CUBA**

 **ERITHREA**

 **SIRIA**

- To support Syrian veterinary service in food safety standard development

 **TUNISIA**

- To improve Institut de la Recherche Vétérinaire de Tunis (IRVT) food safety's laboratory capacity and expertise





# THE “OIE-TWINNING” PROGRAM

Part of the OIE effort to build the infrastructure for  
One planet  
One health





Twinning:  
starting a  
long-lasting sustainable  
relationship





# OIE TWINNING

The effort to build **REGIONAL** networks of veterinary competence to face the challenge to control animal diseases and to assure a safe food supply as well as human-animals-environment relationship globally



# OIE TWINNING

- ❑ The expertise and diagnostic capacity provided through Reference Laboratories and Collaborating Centres is located mainly in developed countries
- ❑ One of the main objectives of the OIE Twinning Programme is to ensure a better distribution of the Reference Laboratories and Collaborating Centres to increase the competence and expertise of in-transition Countries and strengthen the capacity of response to both **local and world-wide health treats**
- ❑ Present OIE twinning is very much Reference Laboratory centered although Twinning is possible with Collaborating Centres also



# OIE TWINNING

- ❑ To create more OIE Reference Laboratories and Collaborating Centres in geographic areas that are currently underrepresented
- ❑ To achieve a better balance in the global distribution of high-level laboratory expertise based on OIE standards



# OIE TWINNING

***THE PROJECT SHOULD ALWAYS BE RELEVANT TO THE NEEDS  
OF THE AREA/REGION IN WHICH THE CANDIDATE  
LABORATORY IS SITUATED***



# OIE TWINNING

- ❑ The ultimate aim is for Candidates to reach OIE Reference status, sometimes this will be beyond the scope of some projects
- ❑ Exceptionally, twinning objective can be capacity building of the the Candidate to reach a level closer to OIE Reference status in specific selected areas



# OIE TWINNING

- ❑ The **Parent OIE** Collaborating Centre and the designated expert(s) from that laboratory are the driving force, ensuring the success of the Twinning agreement
- ❑ The **Candidate Laboratory** should be fully committed to improving its capacity and expertise with the eventual aim of reaching OIE standards
- ❑ The **OIE Central Bureau** provides support and coordination for the overall Twinning
- ❑ The **OIE World Animal Health and Welfare Fund** provides financial support for the OIE Twinning programme
- ❑ The CVOs of both the **Country** in which the CC is located and the **Region** in which the **Candidate laboratory** is located must be fully aware of the initiative and sustain it



OIE TWINNING

OIE TWINNING AND FOOD SAFETY  
A SPECIAL CASE





A photograph of a monkey sitting on a tree branch, looking towards the camera. The monkey has light-colored fur and a dark face. The background is a clear blue sky with some blurred green leaves. An orange speech bubble is overlaid on the right side of the image, containing the text '10Q', '4 UR', and 'ATTN' in white, bold, sans-serif font.

**10Q**  
**4 UR**  
**ATTN**



# FOOD SECURITY AND SAFETY ARE PRIMARY ELEMENTS OF THE WELFARE OF HUMAN BEINGS





## INTERFACE

Merriam-Webster Dictionary definition

a surface forming a common boundary of two bodies, spaces, or phases, i.e.: oil-water interface

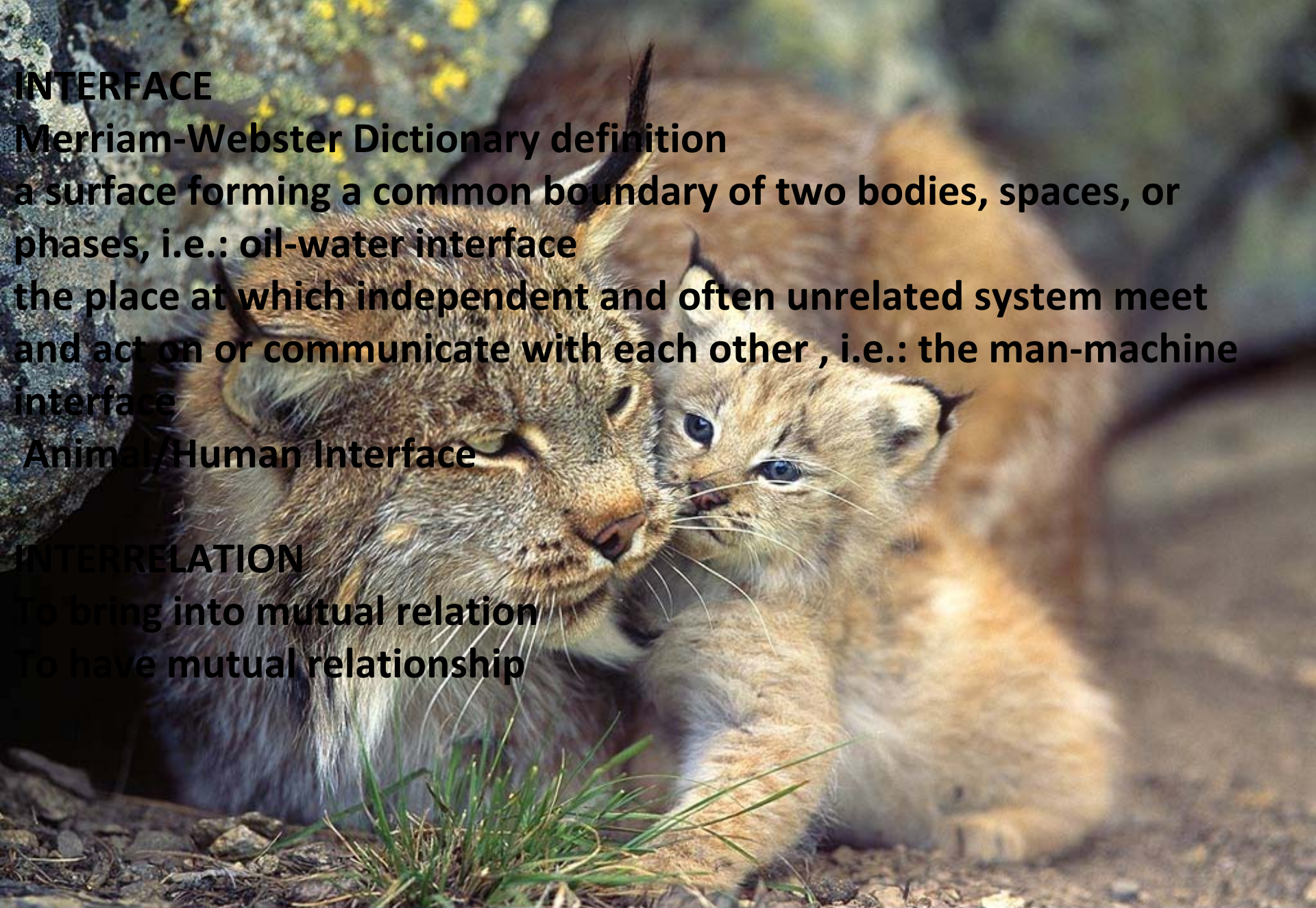
the place at which independent and often unrelated system meet and act on or communicate with each other , i.e.: the man-machine interface

Animal/Human Interface

## INTERRELATION

To bring into mutual relation

To have mutual relationship





# SHARING ONE PLANET

To improve IRVT food safety's laboratory capacity and expertise

Parent Reference Collaborating Centre	Candidate Collaborating Centre
<p>Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise "G. Caporale" (I.Z.S. A. e M.), Teramo, Italie. OIE Collaborating Centre for Veterinary Training, Epidemiology, Food Safety and Animal Welfare.</p>	<p>Institut de la Recherche Vétérinaire de Tunisie (IRVT), Tunis, Tunisie.</p>

Expert:

Dr. Alberto Mancuso

Expert:

Dr Latifa LIMAM

OIE will support the project for 24 months.



WP 1: PRELIMINARY CONFORMITY  
AUDIT

WP 2: TRAINING OF IRTV PERSONNEL  
ON *MICROBIOLOGIE ALIMENTAIRE*

WP 3: Training of IRTV personnel on  
*Chimie alimentaire*

WP 4: Training of IRTV personnel on  
*Management de la qualité*

WP 5: APPLICATION OF ACQUIRED  
KNOWLEDGE AND PROCEDURES IN  
IRVT

WP 6: INTERMEDIATE AUDIT

WP 7: FINAL ASSESSMENT



Bi-lateral

vs.

Multi-lateral  
twinning