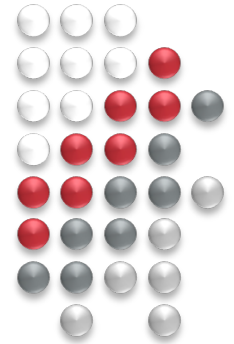


Dr Tomoko Ishibashi
Regional Representation for Asia and the Pacific
World Organisation for Animal Health (OIE)



***OIE standards on antimicrobials and antimicrobial
resistance and actions related to their implementation***

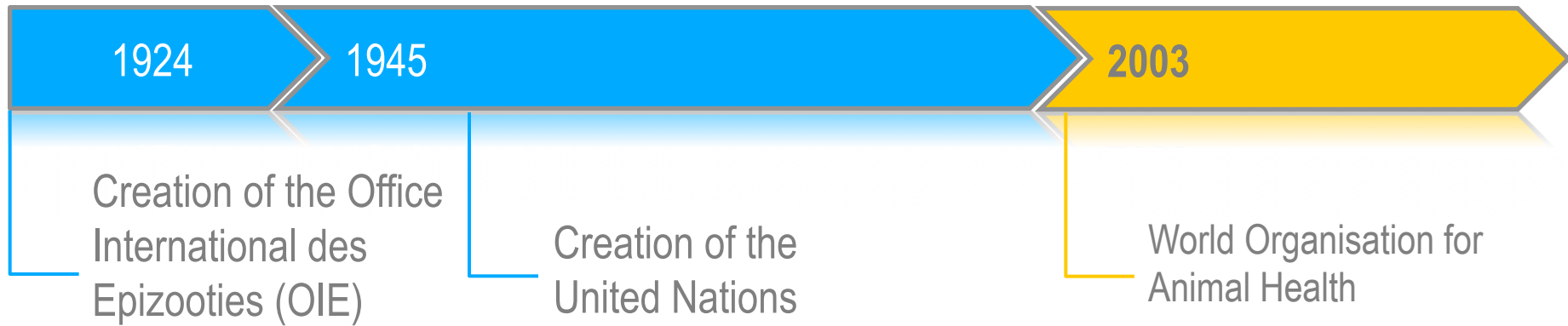
Delhi, October 2011

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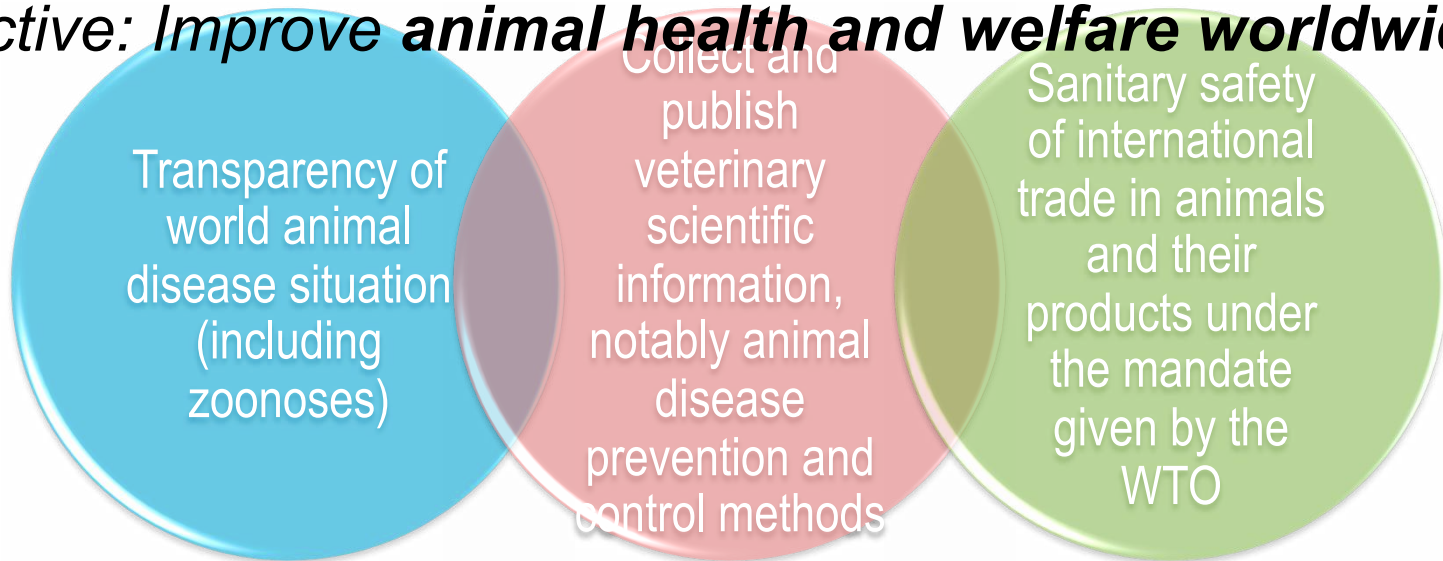
- Introduction of the OIE and its work on antimicrobial resistance
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World Organisation for Animal Health (OIE)

An intergovernmental organisation preceding the United Nations
178 Member Countries in 2011

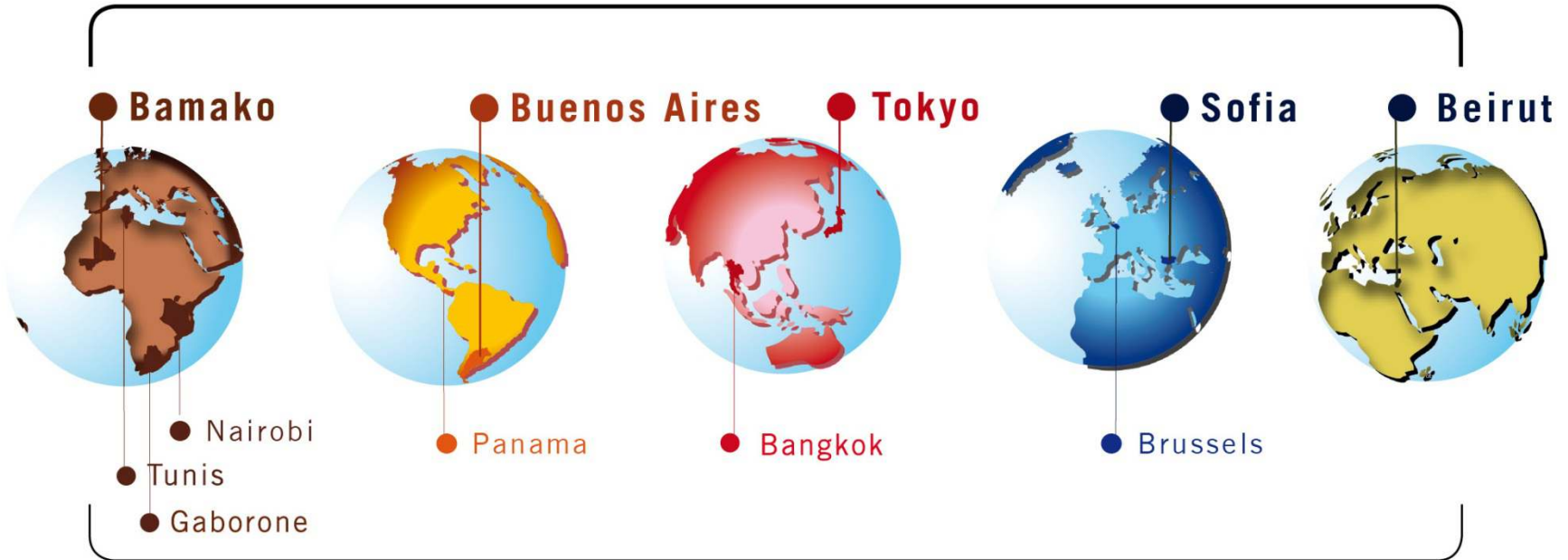


Objective: Improve *animal health and welfare worldwide*



Governance structure of the OIE

Regional Representations



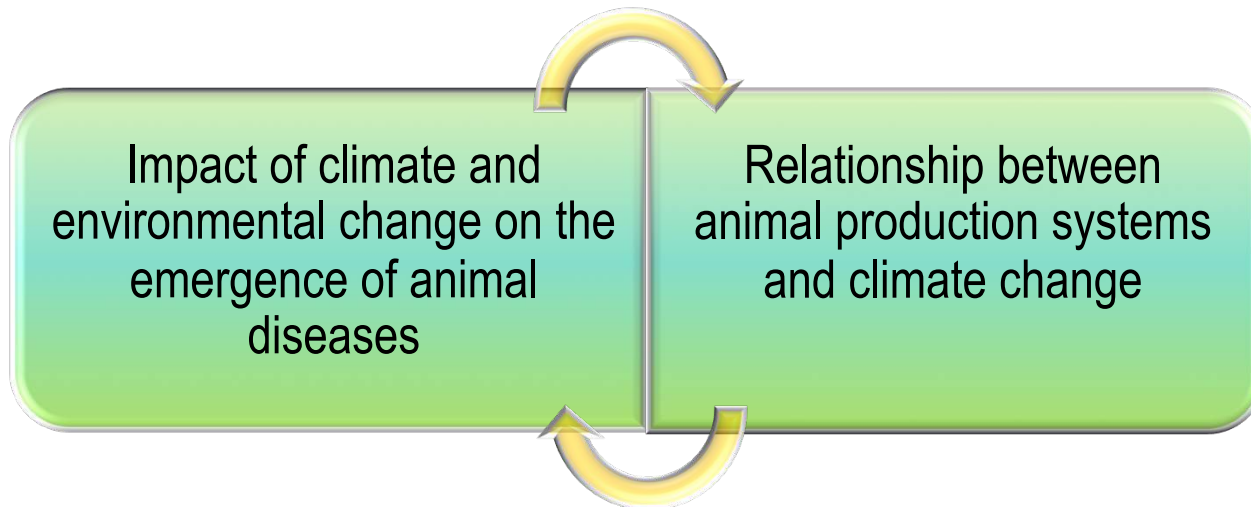
Sub-Regional Representations

These regional and sub-regional representations closely collaborate with OIE Regional Commissions and are directly under the Director General's authority.

The OIE Fifth Strategic Plan 2011 - 2015

Mentions explicitly the need to:

- Develop and update standards, guidelines and recommendations on diagnostic tests, vaccines and **veterinary drugs including antimicrobials**
- Integrate the relation between animal production and the environment: new sanitary and environmental risks need to be anticipated



OIE activities on antimicrobial resistance:

Review (1)

- 1997: OIE considered the use of substances in animal rearing as a key issue for public health, animal health and animal welfare
- 1998: debate at the General Session
- 1999: recommendations to **create an “International ad hoc Group”** to address: human and animal health risks related to antimicrobial resistance, and the contribution of antimicrobial usage in veterinary medicine.

Request from the
Regional Commission
for Europe

OIE activities on antimicrobial resistance:

Review (2)

1999: First OIE European Scientific conference on

« the use of antimicrobials in animals ensuring the protection of public health »

2001: « Second OIE International Conference on antimicrobial resistance »

1999~: Establishment of guidelines regarding antimicrobials in Terrestrial Animal Health Code and Manual

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OIE International Standards

- **OIE develops and publishes**

Health standards for the prevention and control of animal diseases as well as for the safe trade of animals and animal products

=> **Codes**

Biological standards for diagnostic tests and vaccines

=> **Manuals**

- **Adopted by OIE Members** during General Session each May by consensus

Developed using a science-based approach

OIE International Standards

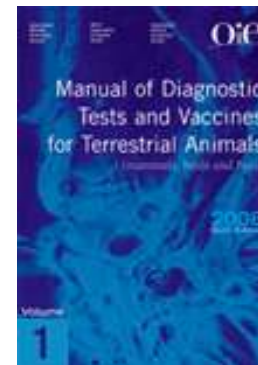
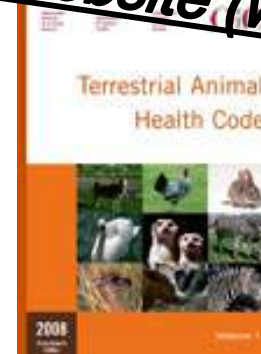
Terrestrial Animal Health Code – mammals, birds and bees

Aquatic Animal Health Code – amphibians, crustaceans, fish and molluscs

Manual of Diagnostic Tests and Vaccines for Terrestrial Animals

Manual of Diagnostic Tests for Aquatic Animals

available on the OIE website (www.oie.int)



Terrestrial Animal Health Code 2011



- **Section – 6: Veterinary Public Health**

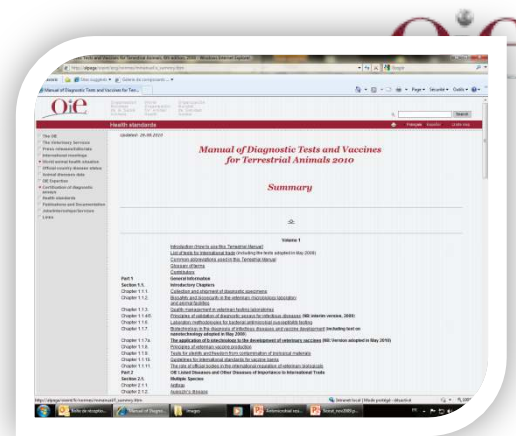
- Chapter 6.6. Introduction to the recommendations for controlling antimicrobial resistance
- Chapter 6.7. Harmonisation of antimicrobial resistance surveillance and monitoring programmes
- Chapter 6.8. Monitoring of the quantities of antimicrobials used in animal husbandry
- Chapter 6.9. Responsible and prudent use of antimicrobial agents in veterinary medicine
- Chapter 6.10. Risk assessment for antimicrobial resistance arising from the use of antimicrobials in animals

Ad hoc Group on antimicrobial resistance

- Updated (November 2010) and sent for Member comments:
 - Chapter 6.7. Harmonisation of national antimicrobial resistance surveillance and monitoring programmes
 - Chapter 6.8. Monitoring of the quantities and usage patterns of antimicrobial agents used in food producing animals
- Updated at the ad hoc Group meeting in June 2011
 - Chapter 6.9. Responsible and prudent use of antimicrobial agents in veterinary medicine
 - Chapter 6.10. Risk assessment for antimicrobial resistance arising from the use of antimicrobials in animals

<http://www.oie.int/en/international-standard-setting/terrestrial-code/>

Manual of Diagnostic Tests and Vaccines for Terrestrial Animals 2011



- Volume 1 - Chapter 1.1.6.
 - Laboratory methodologies for bacterial antimicrobial susceptibility testing

http://www.oie.int/fileadmin/Home/eng/Health_standards/tahm/1.1.06_ANTIMICORBIAL.pdf

➔ Currently under review

Aquatic Animal Health Code



- Section 6. Veterinary public health

- Chapter 6.2. Introduction to the recommendations for controlling antimicrobial resistance
- Chapter 6.3. Principles for responsible and prudent use of antimicrobial agents in aquatic animals

Adopted by the 178 OIE Members at the General Session in May 2011 for inclusion in the Aquatic Code

<http://www.oie.int/en/international-standard-setting/aquatic-code/access-online/>

List of Antimicrobials of Veterinary Importance

- **Resolution No. XXVIII** (adoption at the General Session in May 2007) on the **OIE LIST OF ANTIMICROBIALS OF VETERINARY IMPORTANCE**
 - http://web.oie.int/download/Antimicrobials/OIE_list_antimicrobials.pdf
 - **To safeguard the efficacy and availability of critically important antimicrobials in veterinary medicine**
 - Help vets in their therapeutic choice
 - Complement the OIE guideline for responsible and prudent use of antimicrobial agents
 - Useful for risk assessment of AMR
- ➔ **Update planned for 2012**

List of Antimicrobials of Veterinary Importance background

2004

FAO/WHO/OIE experts consultation (Oslo) on non-human antimicrobial usage and antimicrobial resistance

- *Conclusions: The concept of “critically important” classes of antimicrobials for humans should be pursued by WHO. Antimicrobials that are critically important in veterinary medicine should be identified, to complement the identification of such antimicrobials used in human medicine. Criteria for identification of these antimicrobials of critical importance in animals should be established and listed by OIE*

List of Antimicrobials of Veterinary Importance background

- ❑ In 2005, an OIE *ad hoc* Group defined and designated Veterinary critically important antimicrobials (VCIA) and prepared a questionnaire to collect proposals of VCIA, sent to the 167 Members.
- ❑ The report, including the list based on OIE Member responses was presented at the General Session in May 2006
- ❑ The OIE World Assembly of Delegates adopted Resolution No.XXXIII asking to refine the list
- ❑ The OIE *ad hoc* Group on Antimicrobial Resistance proposed the refined list that was adopted by the World Assembly in May 2007 (Resolution No.XXVII)

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Joint FAO/WHO/OIE activities



2003

FAO/WHO/OIE experts consultation (Geneva) on non human antimicrobial usage and antimicrobial resistance

2004

FAO/WHO/OIE experts consultation (Oslo) on non human antimicrobial usage and antimicrobial resistance

2006

FAO/WHO/OIE Expert Consultation on Antimicrobial Use in Aquaculture and Antimicrobial Resistance (Seoul)

2007

FAO/WHO/OIE expert consultation on Critically Important Antimicrobials and Veterinary Critically Important Antimicrobials (Roma)

Contribution to the Codex Task Force

Codex ad hoc Intergovernmental Task Force on Antimicrobial Resistance



- **Republic of Korea – 2007, 2008, 2009, 2010**
<http://codextfamr.kfda.go.kr/eng/index.html>
- The task force was established during the 29th session of the Codex Alimentarius Commission, as a Codex *Ad hoc* Intergovernmental Task Force on Antimicrobial Resistance. The objective, as defined in the terms of reference, is to provide guidance on how to assess the risks to human health associated with the presence in food and feed of resistance organism or resistance genes.

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Next steps and conclusion

- ❑ **Resolution No.XXV adopted by the World Assembly of Delegates during OIE 77th General Session in May 2009**

RECOMMENDED THAT OIE MEMBERS

- Nominate a national focal point for OIE on matters related to veterinary products ...
- Promote the responsible and prudent use of veterinary medicinal products, in particular of antimicrobials used in veterinary medicine, and the monitoring of the potential existence or development of antimicrobial resistance.

AND THAT THE OIE

- **Continue to develop and update standards, guidelines and recommendations on diagnostic tests, vaccines and veterinary drugs, including antimicrobials**

Next steps and conclusion

- Further development of chapters relevant to aquaculture : ongoing
- Update of the four *Terrestrial Animal Health Code* Chapters (6.7. to 6.10.): ongoing
- Update of the chapter 1.1.6. in the *Manual of Diagnostic Tests and Vaccines for Terrestrial Animals* : under review
- Update of the OIE list of Antimicrobials of Veterinary Importance (planned for 2012)

Next steps and conclusion

The rational use of antimicrobials and prevention of antimicrobial resistance, a challenging issue to be dealt with at the international, regional and national levels with a global perspective



Thank you for your attention



Organisation mondiale
de la santé animale

World Organisation
for Animal Health

Organización Mundial
de Sanidad Animal