



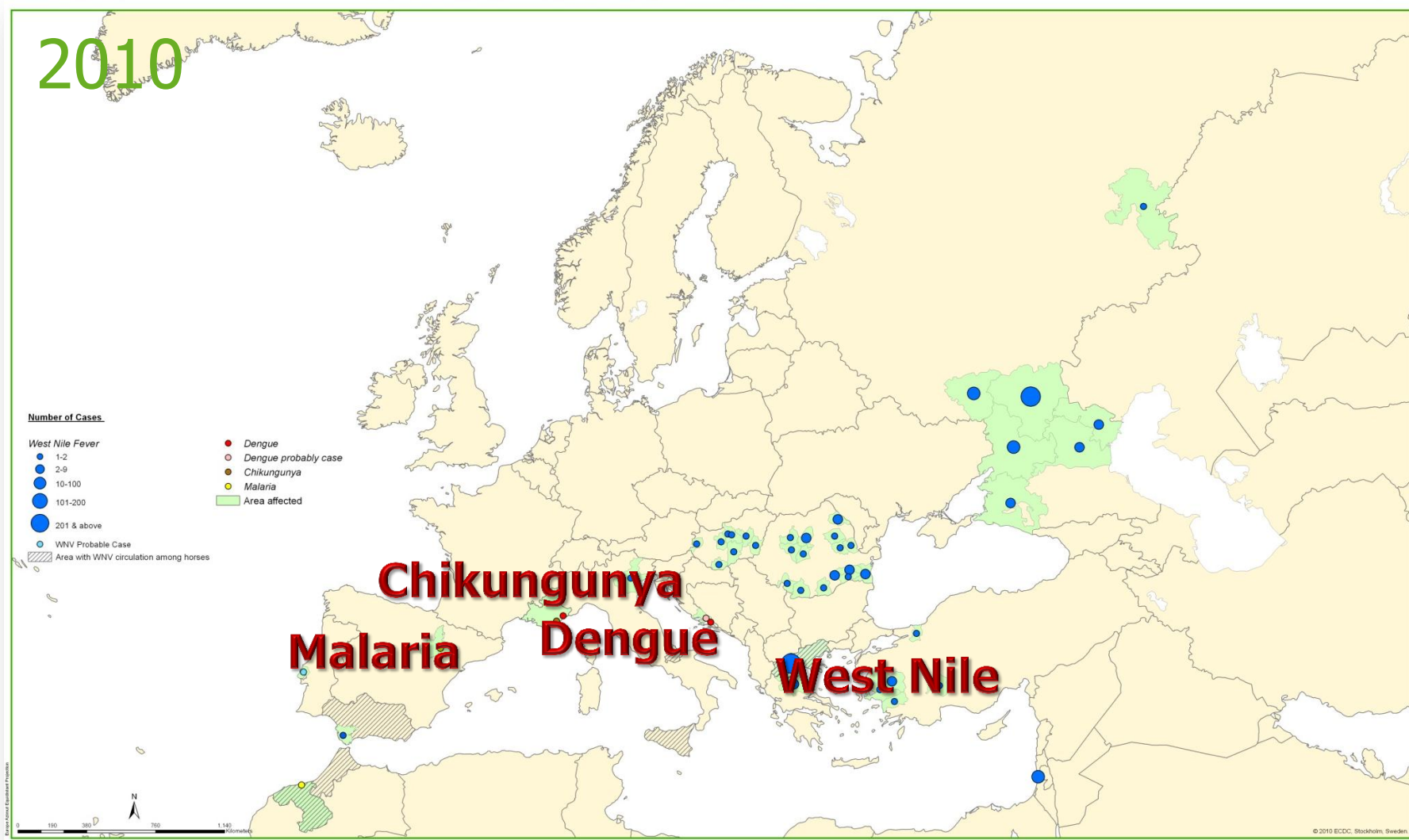
ECDC, EVD & VBORNET

**Annual General Meeting VBORNET
18-20 April 2011, Antwerp, Belgium**

Wim Van Bortel on behalf of the Emerging and Vector-Borne Diseases team
European Centre for Disease Prevention and Control

Vector-borne diseases are a specific group of infections that represent a **(re-)emerging** threat to Europe requiring particular attention

Emerging en vector-borne diseases (EVD)



- Knowledge **vector distribution** and prevention and control **strategy**;
- **Early response** by providing **laboratory support**;
- **Epidemiologic updates** and **fact sheets**;
- **Reporting standards** for surveillance of vector-borne diseases;
- Reinforce **links** with veterinary medicine, public health, and other stakeholders.

- **EU Member States**
 - Institutes, universities, research programmes and projects

- **European Commission**

- **International organisations**
 - World Health Organization European Region and Headquarters
 - OIE, FAO
 - EFSA

- **Specific networks including**
 - ENIVD
 - EuroTravNet
 - VBORNET



- **European network for viral imported disease - Collaborative laboratories for outbreak response: ENIVD-CLRN**
 - diagnosis
 - collaboration, links with veterinary laboratories

- **EuroTravNet**
 - detection, verification, assessment and communication
 - ad hoc response

- **Arthropod vector surveillance network: VBORNET**
 - map vectors
 - link entomology and public health

EVD tick-borne diseases

- **Communication: toolkits & spotlight**
- **Consultations (Nov 2010)**
- **Projects on epidemiology, case definition and reporting systems (ongoing)**

- **(expected) OUTCOMES:**

- Epidemiological situation
- Case definitions
- Laboratory diagnosis
- Status of surveillance
- Identification of risk areas & groups
- Burden of Disease project
- Databases on TBD

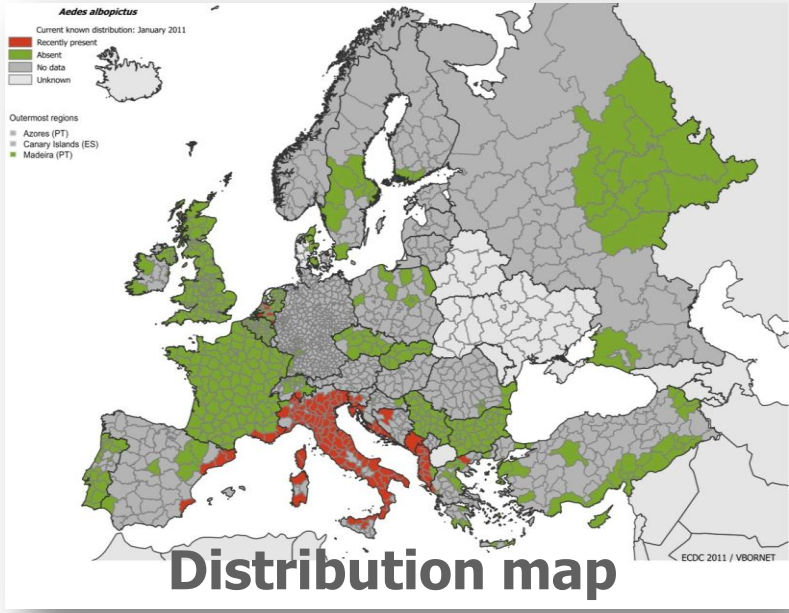
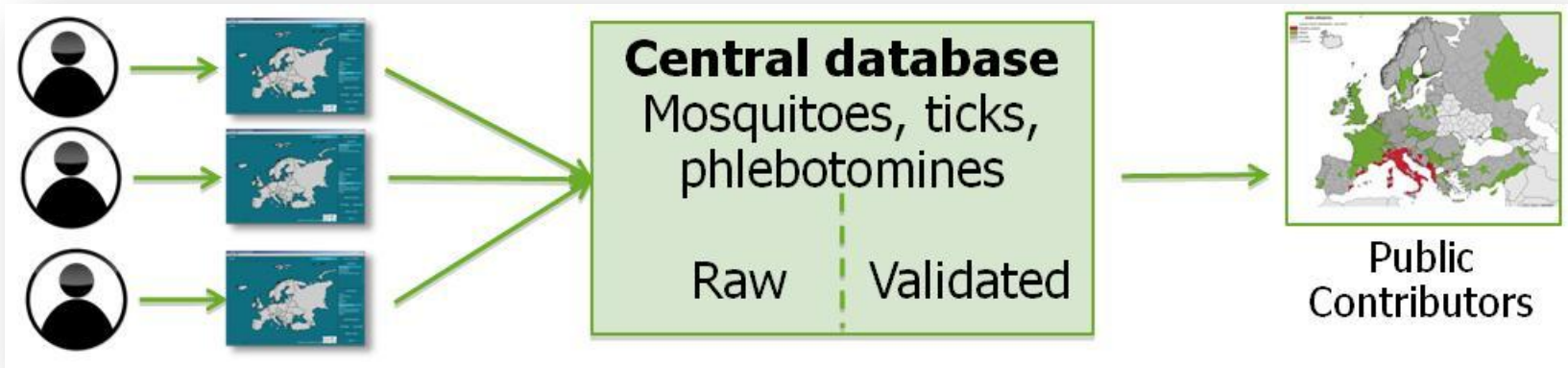


To improve knowledge on **vector distribution** and to contribute to development of a **strategy** for the prevention and control of vector-borne diseases in Europe



VBORNET – distribution maps

Data collection tool



VBORNET – strategy

VBORNET Form
File Edit

INTRODUCTION & INFORMATION

VBORNET is a network to establish a European Network of entomological and public health specialists in order to assist ECDC in its preparedness activities on vector-borne diseases.

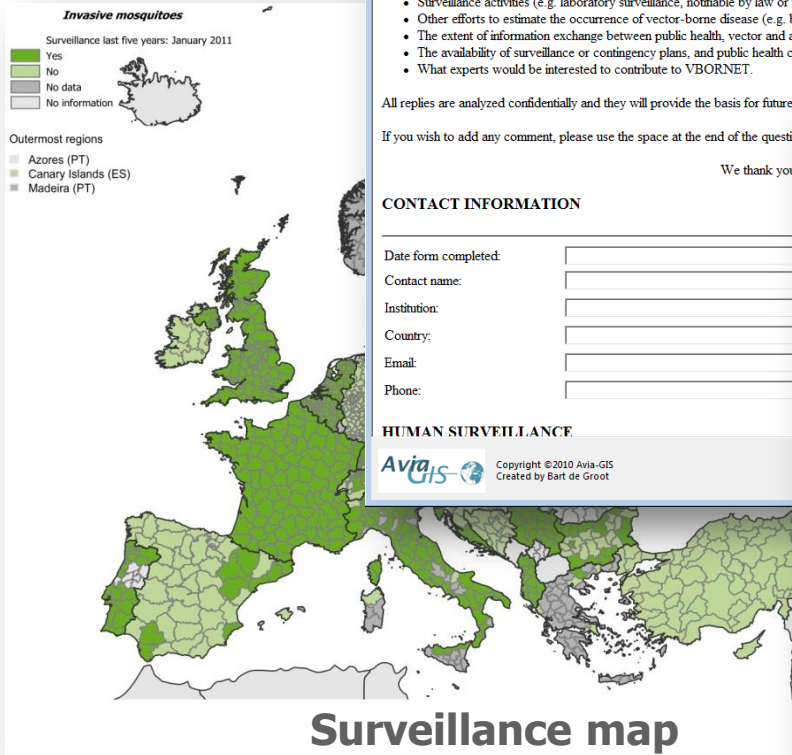
This questionnaire is part of Work Package 4 of VBORNET. Aim of this project is to link vector and public health expertise in Europe and to gain insight of the current situation in the member states on vector-borne disease surveillance. This survey is conducted by ECDC to establish an inventory of Vector-borne disease and related public health activities and expertise in Europe through questionnaires. The survey consists of eleven questions, targeted to the person responsible for national surveillance on vector-borne diseases and / or nationally acknowledged experts in special health issues.

For eleven vector-borne diseases, the survey aims to assess:

- Surveillance activities (e.g. laboratory surveillance, notifiable by law or voluntary) regarding vector-borne diseases among humans, animals and in vectors.
- Other efforts to estimate the occurrence of vector-borne disease (e.g. by cross-sectional studies).
- The extent of information exchange between public health, vector and animal surveillance systems.
- The availability of surveillance or contingency plans, and public health communication campaigns about personal prevention against vector-borne diseases.
- What experts would be interested to contribute to VBORNET.

All replies are analyzed confidentially and they will provide the basis for future...

If you wish to add any comment, please use the space at the end of the questionnaires. We thank you for your contribution.



VBORNET Form
File Edit

Q2: What are the current priorities of surveillance for human cases of the following vector-borne diseases in your country?

Lowest priority - Highest priority

	1	2	3	4	5	Don't know
Mosquito-borne diseases						
Chikungunya	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dengue	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
West Nile fever	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rift Valley fever	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tick-borne diseases						
Tick-borne encephalitis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Crimean-Congo haemorrhagic fever	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lyme borreliosis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tularaemia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rickettsiosis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sandfly-borne diseases						
Leishmaniasis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sandfly fevers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q3: Do you currently have public health communication campaigns about personal prevention against vector-borne diseases in your country?

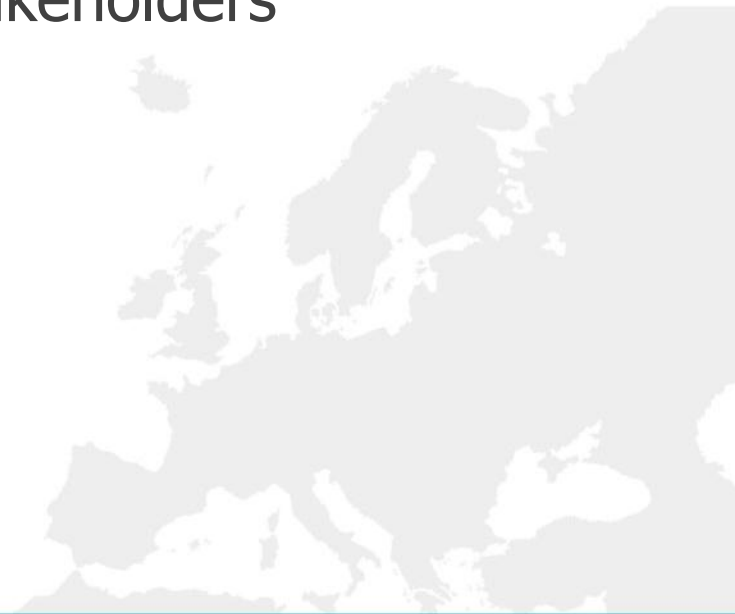
Yes No Don't know

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Send Form

VBD – PH Questionnaire

To provide epidemiological **updates** and **fact sheets** and to **communicate** to our stakeholders



VBORNET – communication



This website is part of the ECDC (European Centre for Disease Prevention and Control) network

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Disease programmes

- Antimicrobial Resistance and Healthcare-associated Infections
- Emerging and Vector-borne Diseases
- About the programme
- Network for diagnostics of "imported" viral diseases / Collaborative laboratory response network (ENIVD/CLRN)
- Network of travel and tropical medicine specialists (EuroTravNet)
- Network of medical entomologists and public health experts (VBORNET)
- VBORNET work-packages
- VBORNET maps
- Food- and Waterborne Diseases and Zoonoses
- Influenza
- STI, including HIV and Blood-borne Viruses
- Tuberculosis
- Vaccine-preventable Diseases

Surveillance

- Scientific advice
- Epidemic intelligence

ECDC Reviews

On this page you can find all ECDC Reviews published by the network of medical entomologists and public health experts (VBORNET).

ECDC REVIEWS

- Protracted rheumatic manifestations in travelers
- The use of Interferon- γ release assays for Tuberculosis Screening in International Travelers
- Significant increase in travel associated Dengue Fever in Germany
- Travel patterns in China
- Declining incidence of imported malaria in the Netherlands, 2000-2007
- Travel and migration associated infectious diseases morbidity in Europe, 2008
- Artesunate versus quinine in the treatment of severe falciparum malaria malaria in African children (AQUAMAT): an open-label, randomized trial
- Knowledge, attitudes and practices of business travelers regarding influenza and the use of antiviral medication
- Rickettsia typhi and rickettsia felis in Xenopsylla cheopis and Leptopsylla segnis parasitizing rats in Cyprus
- Ecological approaches to informing public-health policy and risk assessments on emerging vector-borne zoonoses
- West Nile virus in Europe: understanding the present to gauge the future
- Distribution of Far-Eastern TBEV subtype strains in the former Soviet Union
- Tick Surveillance in Great Britain

News letters

Fact sheets on vectors and risk assessments

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Health topics A-Z

- Health topics by disease group
- Health topics A-Z
- Health topics in spotlight

HEALTH TOPICS BY ALPHABETICAL ORDER

ABCDEFGHIJKLMNOPQRSTUVWXYZ

- Alkhurma haemorrhagic fever
- Anthrax
- Antimicrobial resistance (AMR)
- Arenavirus infection
- Avian influenza in humans

VIEW ALL HEALTH TOPICS

[Dropdown menu]

- Alkhurma haemorrhagic fever
- Anthrax
- Antimicrobial resistance (AMR)
- Arenavirus infection
- Avian influenza in humans
- Babesiosis
- Bird flu (see: Avian influenza in humans)
- Borrelia (see: Lyme disease)
- Botulism
- Brucellosis
- Campylobacteriosis
- Chickenpox (see: Varicella infection)
- Chikungunya fever
- Chlamydia infection
- Chlamydia infection - spotlight 2010
- Cholera
- Climate change
- Clostridium difficile infection
- Coxsack
- Cribean congo haemorrhagic fever
- Crisis communication
- Cryptosporidiosis
- Cutaneous warts
- Dengue fever

HEALTH TOPICS IN SPOTLIGHT

- Chlamydia: High numbers awareness - Spotlight 2010
- HIV testing: Know, treat, prevent - Spotlight 2010
- Immunisation - Spotlight 2010
- New season, different influenza? - Spotlight 2010/11
- Surveillance: data for action - Spotlight 2010
- Tackling tuberculosis in children: towards a TB-free generation - Spotlight 2011
- Tick-borne diseases - Spotlight 2010
- Tuberculosis, a global challenge - Spotlight 2010

ssj/Pages/index.aspx

Internet

VBORNET challenges

- **Integration of VBORNET database in ECDC IT platform**
- **Updating & high quality maps**
- **Strategy on vector-borne diseases**
- **Public health – medical entomology interface**



Link stakeholders

