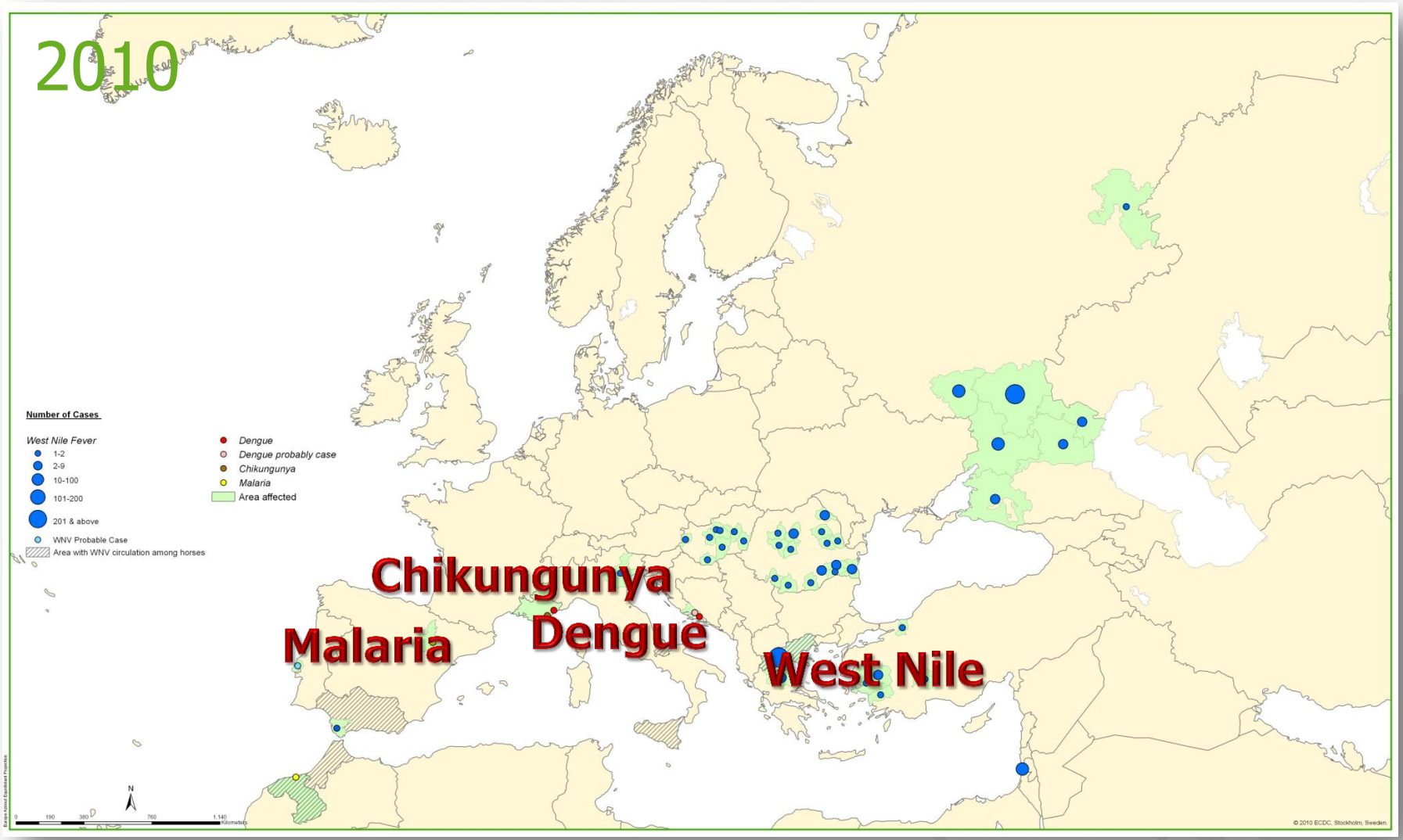
ECDC, EVD & VBORNET

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)



EVD programme

- 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.

EVD partners

- **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

EVD networks

- **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

EVD mosquito-borne diseases

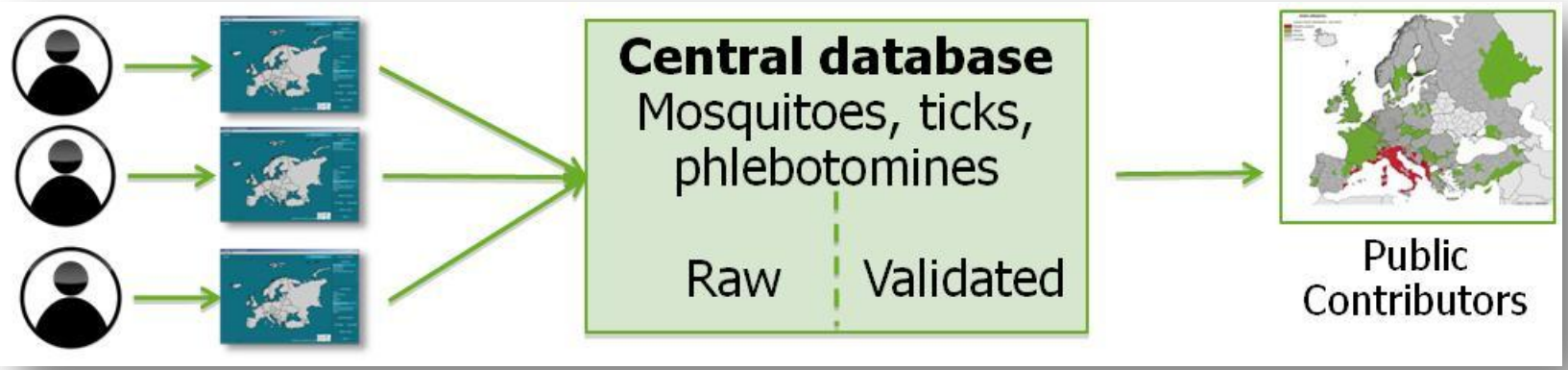
- **Consultations**
- **Dengue risk maps**
- **(Rapid) Risk Assessments**
- **Field visits in Greece and Romania**

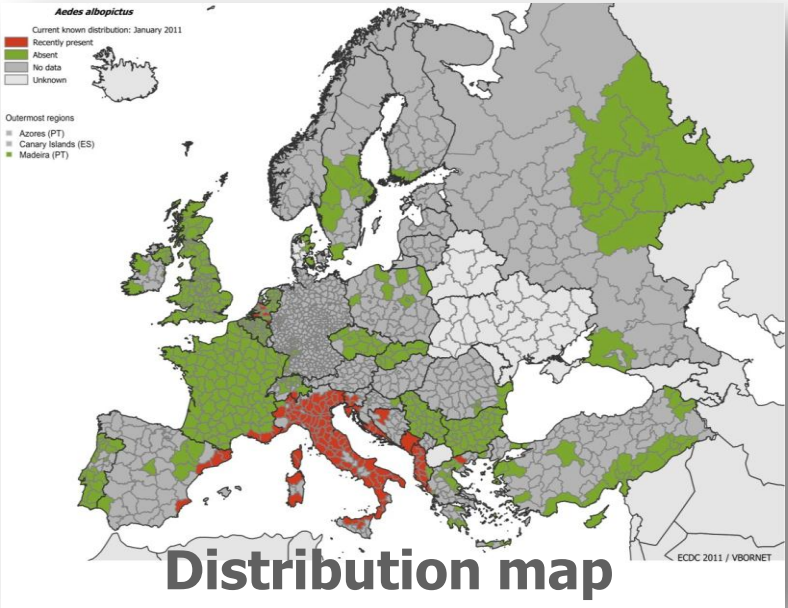
- **(expected) OUTCOMES:**
  - Vector surveillance
  - Impact of vector control?
  - West-Nile decision tool

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

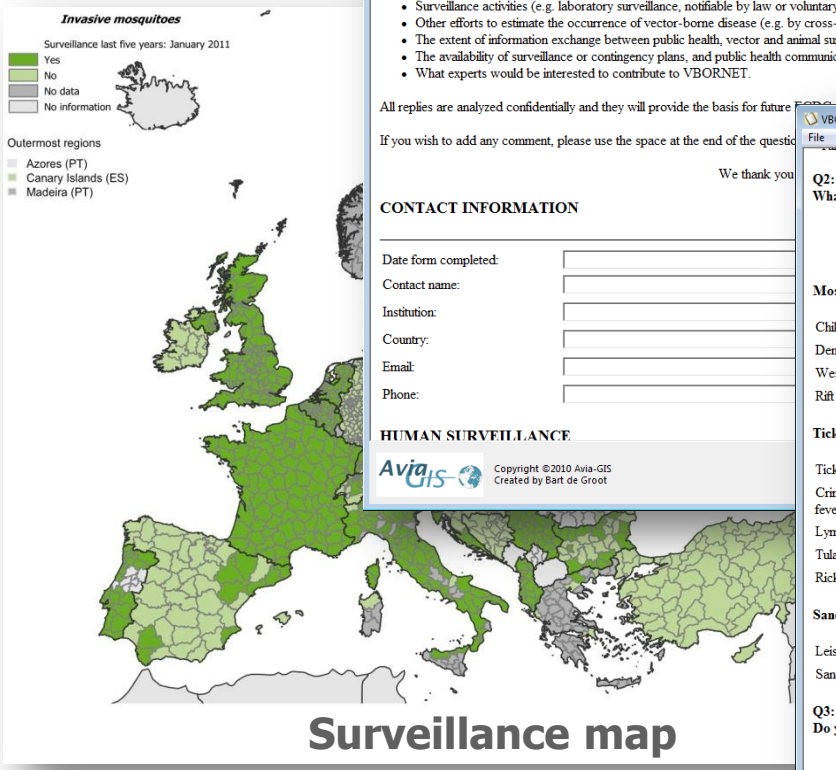




Distribution map

Surveillance map

VBORNET – strategy



Surveillance map

VBORNET Form

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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 questi

We thank you

CONTACT INFORMATION

Date form completed:
Contact name:
Institution:
Country:
Email:
Phone:

HUMAN SURVEILLANCE

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VBORNET Form

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

	Lowest priority 1	2	3	4	Highest priority 5	Don't know
Mosquito-borne diseases						
Chikungunya	○	○	○	○	○	○
Dengue	○	○	○	○	○	○
West Nile fever	○	○	○	○	○	○
Rift Valley fever	○	○	○	○	○	○
Tick-borne diseases						
Tick-borne encephalitis	○	○	○	○	○	○
Crimean-Congo haemorrhagic fever	○	○	○	○	○	○
Lyme borreliosis	○	○	○	○	○	○
Tularaemia	○	○	○	○	○	○
Rickettsiosis	○	○	○	○	○	○
Sandfly-borne diseases						
Leishmaniasis	○	○	○	○	○	○
Sandfly fevers	○	○	○	○	○	○

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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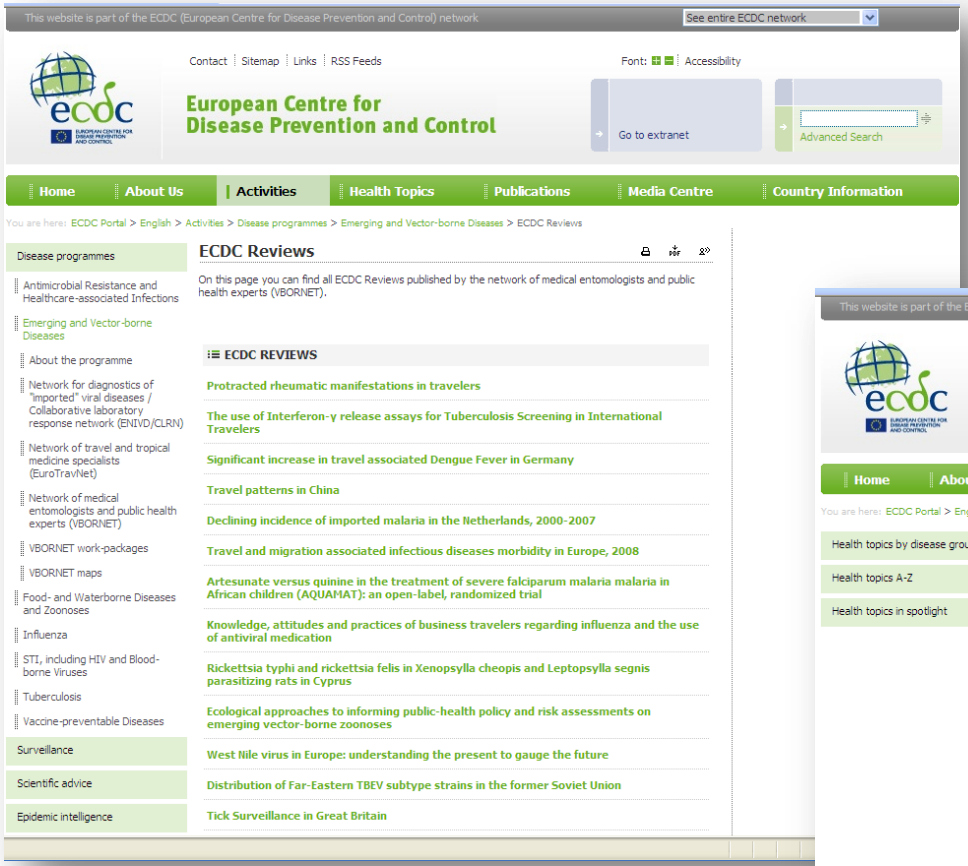
Send Form

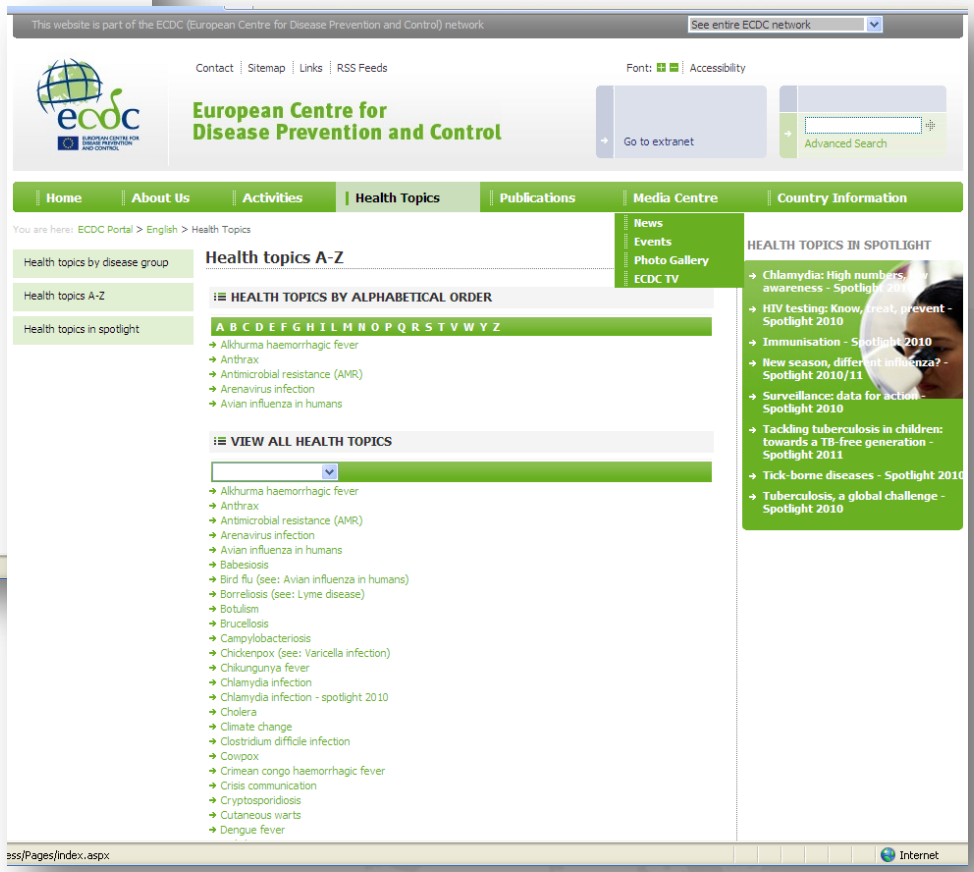
VBD – PH Questionnaire

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

VBORNET – communication



Fact sheets on vectors and risk assessments



News letters

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