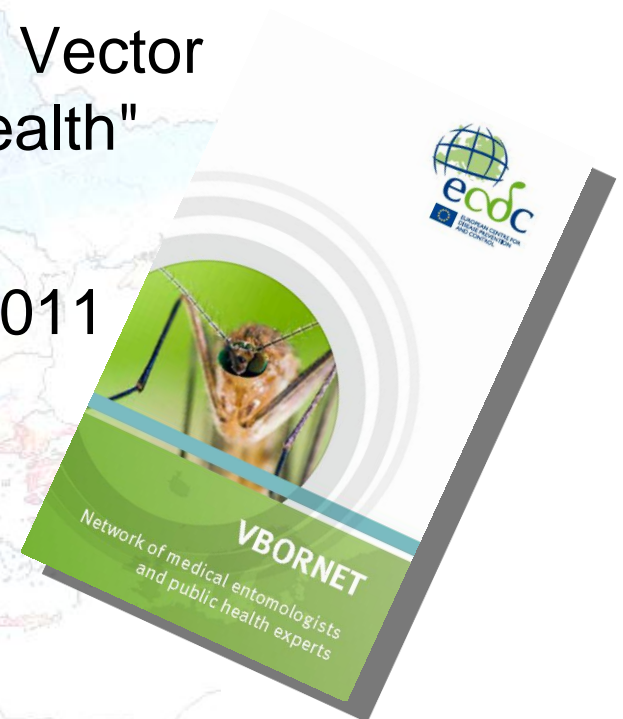




VBORNET

"European Network for Arthropod Vector
Surveillance for Human Public Health"

Second AGM Antwerp 2011



Agenda – 18 April

- 13h00 – 14h00: Registration of participants
- 14h00 – 14h30: ECDC
- 14h30 – 15h30: WP1 – VBORNET coordination
- 15h30 – 16h00: WP2.1 – Science watch
- *16h00 – 16h30: Coffee break*
- 16h30 – 17h00: WP2.2 – Technical support
- 17h00 – 17h30: WP3 – Vector distributions
- 17h30 – 18h00: WP4 – Public Health

Evening: SC meeting

Agenda – 19 April – public session AM

Public Health and Vector-borne diseases

- 8h30 – 10h00 – VBORNET PH questionnaire
 - Presentation by Agnetha Hofhuis and Florianne Bauer (RIVM, Netherlands)
 - Discussion: VBORNET way forward.
- *10h00 – 10h30: Coffee break*
- 10h30 – 12h00 – VBORNET PH position paper
 - Presentation by Marieta Braks (RIVM, Netherlands)
 - Discussion: VBORNET way forward.
- *12h00 – 13h30: Lunch*

Agenda – 19 April – public session PM

- 13h30 – 14h15 – Disease mapping in PH: from theory to practice.
 - Presentation by David Rogers
 - Discussion: collaborative links with EDENext
 - 14h15 – 15h00: Burden of Disease assessments: the experience of BCoDE
 - Presentation by Cheryl Gibbons (University of Edinburgh, UK)
 - Discussion
 - *15h00 – 15h30: Coffee break*
 - 15h30 – 16h15: PH impact of WNV outbreaks in EU in 2010.
 - Presentation by Zdenek Hubalek (IVB, Czech Republic)
 - Discussion
 - 16h15 – 17h00: PH impact Lyme disease in Temperate EU.
 - Presentation by Kees van den Wijngaard (RIVM, the Netherlands)
 - Discussion
 - 17h00 – 18h00: PH impact of leishmaniasis in Mediterranean EU.
 - Presentation by Luigi Gradoni (ISS, Italy)
- Evening AGM dinner

Agenda 20 April

VBORNET AGM concluding network session

- 8h30 – 10h00: VBORNET collaborations
- *10h00 – 10h30: Coffee break*
- 10h30 – 12h30: VBORNET future activities
- *12h30 – 13h30: Lunch*



VBORNET AGM

Framework contract

VBORNET framework contract

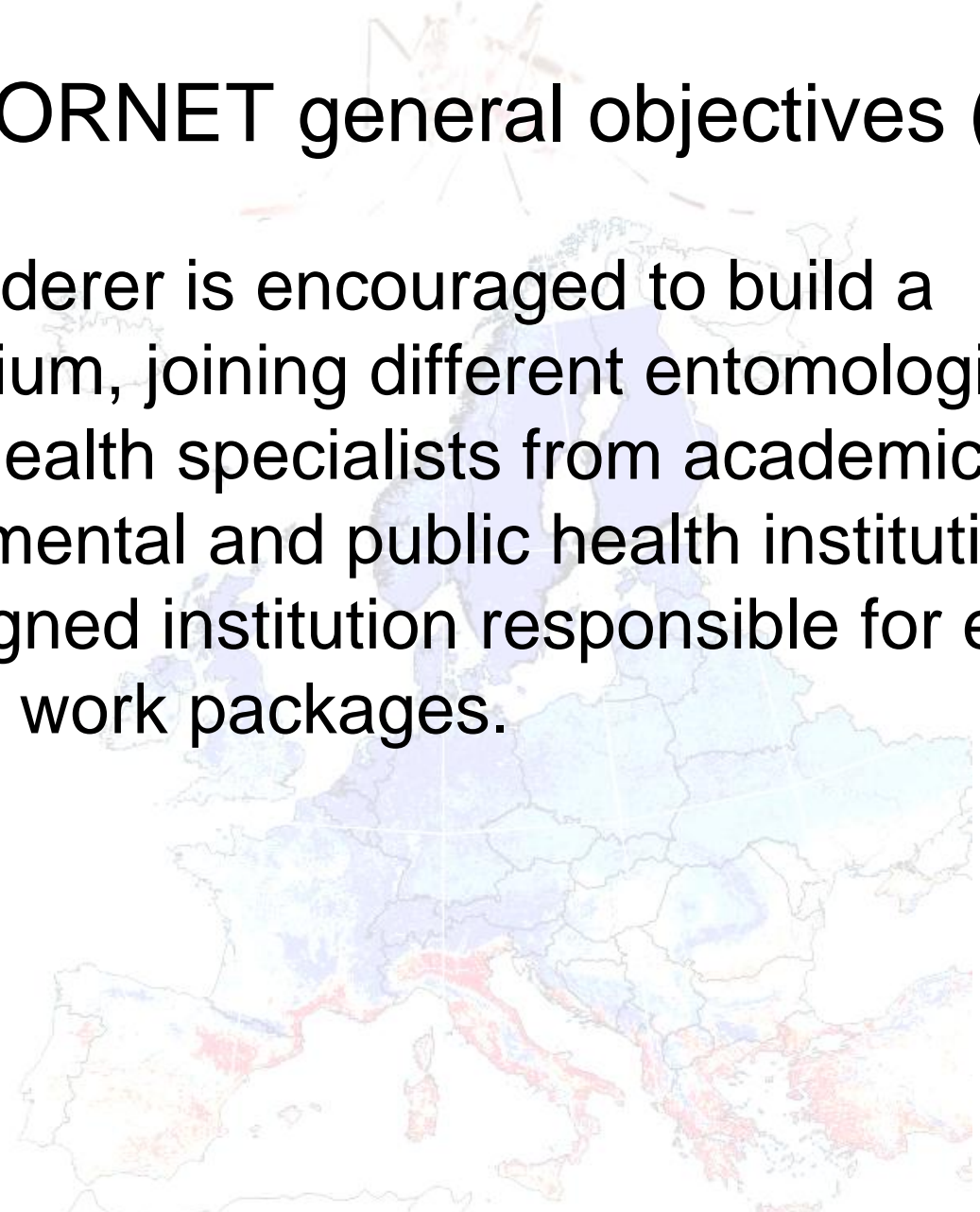
- Open call for tender by ECDC
- Selection of consortium by ECDC based on objectives/ budget year 1
- Signature framework contract 2+2 between ECDC and main contractor
- Signature sub-contracts between main contractor and consortium members
- Signature specific contract/ budget for year 1
- Based on results year 1 → definition objectives/ budget year 2
- Signature specific contract/ budget for year 2
- The same procedure in Year 2 and 3
- At end year 4: VBORNET handed over to ECDC

VBORNET general objectives (1/3)

- Establish a network of medical entomologists and public health professionals in the EU.
- The network should support ECDC in strengthening vector surveillance activities to improve preparedness towards VBDs in the EU.
- It is crucial that within the network, the entomological expertise is directly linked and applied to public health expertise and experience.

VBORNET general objectives (2/3)

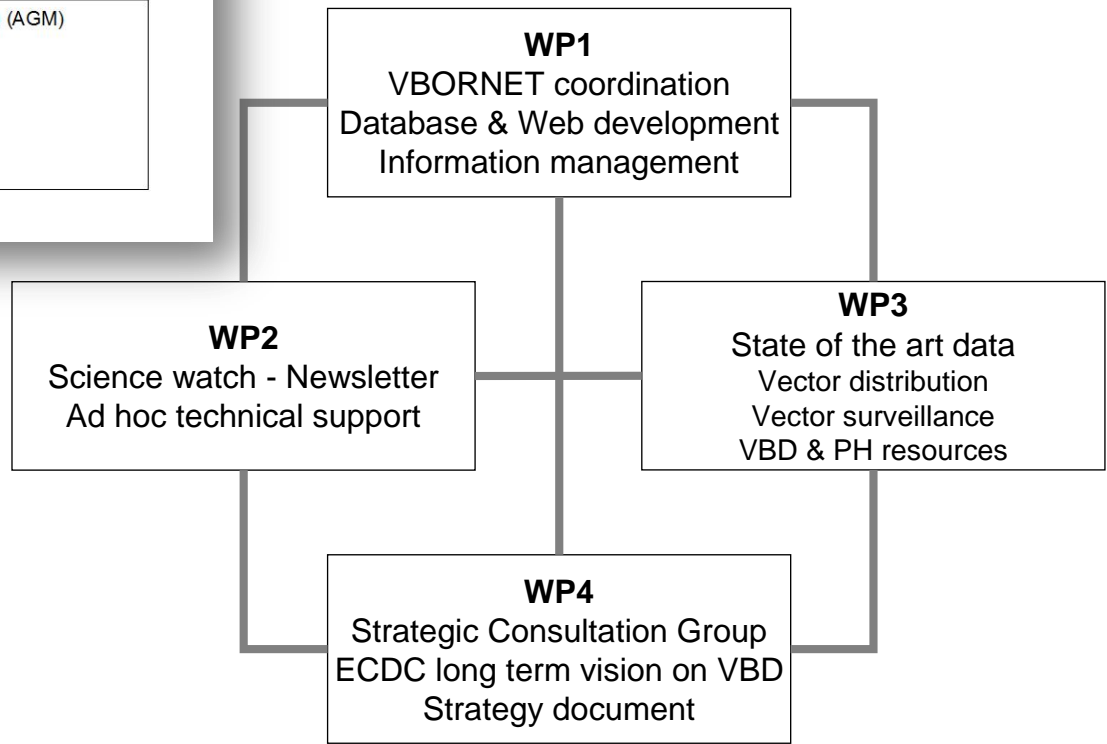
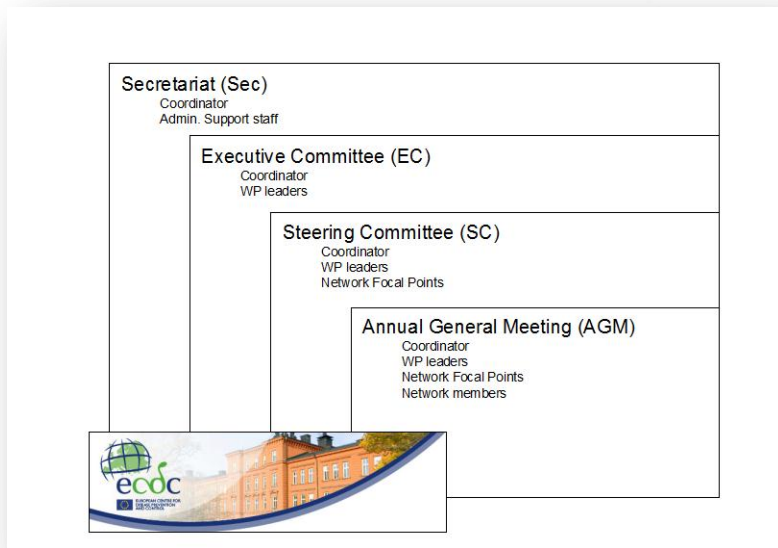
- The tenderer is encouraged to build a consortium, joining different entomologists and public health specialists from academic, non-governmental and public health institutions with an assigned institution responsible for each of the four work packages.



VBORNET general objectives (3/3)

- The scope of the network should address – as a minimum – the vector surveillance activities for arthropods of importance to the following priority diseases in the EU:
 - MBD: chikungunya, dengue, West Nile.
 - TBD: TBE, CCHF, Lyme, tularaemia, rickettsiosis.
 - PhBD: Leishmaniasis, sandfly fevers.
- However, the tenderer is encouraged to cover additional arthropod-borne diseases of importance to public health in the EU.

VBORNET Structure



VBORNET Consortium (1/4)

- WP 1: Secretariat, ICT development and coordination of the network:
 - Leader: Guy Hendrickx – Avia-GIS
 - Contributors:
 - Francis Schaffner – Avia-GIS
 - Els Ducheyne – Avia-GIS
 - Bart De Groot – Avia-GIS
 - Leen Van Gorp – Avia-GIS
 - Willy Wint – ERGO



VBORNET Consortium (2/4)

- WP 2.1: Science watch and News Letters:
 - Leader: Paolo Calistri – IZS AM

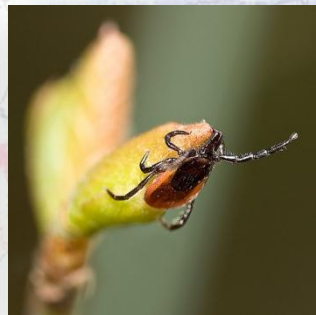


- WP 2.2: Technical support and risk assessment fact sheets:
 - Leader: Jolyon Medlock – HPA



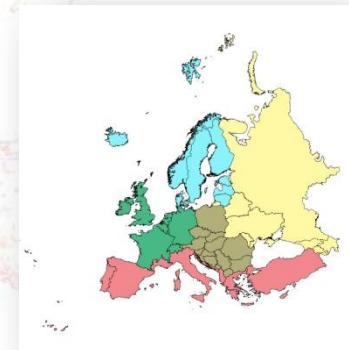
VBORNET Consortium (3/4)

- WP 3: Vector surveillance and distribution data:
 - Leader: Veerle Versteirt – ITM
 - Vector network focal points:
 - Mosquitoes: Francis Schaffner – Avia-GIS
 - Ticks: Laurence Vial – CIRAD
 - Phlebotomes: Bülent Alten - HACETTEPE
 - Other arthropod vectors: Pierre-Edouard Fournier – UNIVMED



VBORNET Consortium (4/4)

- WP 4: Strategic consultation group (VBD public health):
 - Leader: Marieta Braks – RIVM
 - Public health focal points:
 - Northern EU: Marika Hjertqvist – SMI
 - Western Temperate EU: Joke van der Giessen – RIVM
 - Central Temperate EU: Zdenek Hubalek - IVB
 - Mediterranean basin: Renaud Lancelot – CIRAD
 - Overseas EU: Didier Fontenille – IRD



VBORNET KOM 9/9/2009



VBORNET AGM June 2010





WP1

Objectives and achievements Year two

Objectives WP1

The main objectives of WP1 are:

- Coordination and overall network administration
- Maintenance of the network members/ expertise directory
- Organization of three Steering Committee meetings
- Organization of one Annual General Meeting
- Maintenance of the VBORNET websites
- ICT maintenance and development

WP1.1 Coordination

- Organize bi-monthly telephone conferences (TelCo) with WP leaders as part of the starting meeting for each News Letter (NL).
- Organize bi-monthly telephone conferences with ECDC.
- General administration of network and follow-up of deliverables per Work Package.
- Maintain contact with other relevant VBD networks: EDENext, ENIVD, EMCA, ICTTD.
- Organize financial administration.
- Provide regularly updated VBORNET presentation.

WP 1.2 – Expert directory

- Further include VBD experts.
- Include information from human PH resources obtained via formal and informal pathways (cf. WP4).
- Provide regular update to ECDC staff through Access DB extract.
- Each expert is formally asked to accept being included in the VBORNET members/ expertise directory.

WP1.3 – SC meetings

- Timing:
 - First 11-12 October 2010 in Stockholm, Sweden. This was followed by a one day ICT meeting
 - Second in April 2011 at AGM in Antwerp, Belgium.
 - Third in June 2011 to review the deliverables of year 2 and to discuss the year 3 deliverables and activities (location to be defined).
- Duration: One full day meeting with arrival the evening before and departure late afternoon.
- Agenda agreed with ECDC.
- Organization includes: invitations, travel, hotel.
- Draft reports are provided after each meeting for comments by ECDC within 10 working days.

WP1.4 – AGM

- Focus on VBD and public health
- Timing: April 2011 to avoid overlap with field activities.
- Participants: 60
- Location: Institute for Tropical Medicine, Antwerp, Belgium.
- Agenda agreed with ECDC.
- Organization includes: invitations, travel, hotel, coffee breaks, sandwich lunches, conference dinner.
- Draft reports will be provided for comments by ECDC within 10 working days.

WP1.5 – Website

- The contents of vector surveillance network pages to be included in ECDC web-portal will be provided in collaboration with ECDC-ICT:
 - All documents/reports produced by network.
 - Upcoming events and meetings.
 - List of relevant publications.
- In all cases the final content will be agreed with ECDC.

WP1.6 - ICT

- Discuss with ECDC transfer of the VBORNET ICT developments to ECDC platform.
- Maintain, improve and further develop the VBORNET expert database.
- Maintain, improve and further develop the framework of the surveillance and distribution database, and the web-based map server.
- Continue data entry for each of the vector groups.
- Distribution database updates are made available on a three-monthly basis to ECDC.

ICT Achievements WP1



The screenshot shows the EDEN website interface. At the top, the EDEN logo is displayed with the tagline "EMERGING DISEASES IN A CHANGING EUROPEAN ENVIRONMENT". Below the logo is a navigation menu with items: Data, Training Pages, Links, About Us, Site Map, and Publications. A red box highlights the VBORNET dropdown menu, which contains the following items: VBORNET, Vector, PH Questionnaire, Newsletters, and AGM Presentations. Below the menu is a "SITE NOTICE" section with text regarding the completion of the EDEN FP6 project and the start of the EDENext project. The page also features a search bar, a members login section, and a "Do You Need Help?" button.

Vector Questionnaire Tool

Public Health Questionnaire

Newsletters

Presentations

<http://edendatasite.com/>

ICT Achievements WP1

Current version = 1.3.2

- Automatic check for updates
- Bugfixes


Additional species added:

- Mosquitoes
 - *Ae. atropalpus*, *Ae. koreicus*, *Ae. vexans*
 - *An. plumbeus*
 - *C. modestus*
- Phlebotomines
 - *Phl. alexandri*, *Phl. mascittii*

Download VBORNET Vector Questionnaire

Please enter a valid email address:


Windows (XP/Win7):

 [Download](#)

[Version 1.3.2](#)


[v1.2 Upgrade Instructions \(Windows\)](#)


MacOS X (UB):


 [Download](#)


[Version 1.3.2](#)

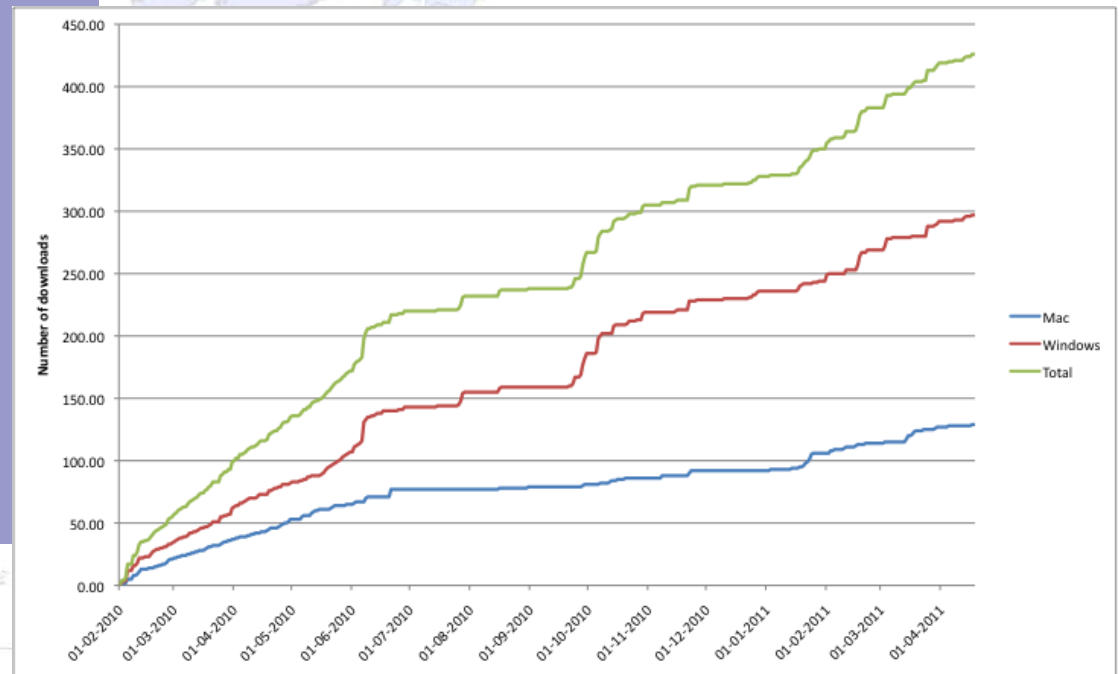
[v1.2 Upgrade Instructions \(MacOS X\)](#)

 **VBORNET Vector Questionnaire — Getting Started**

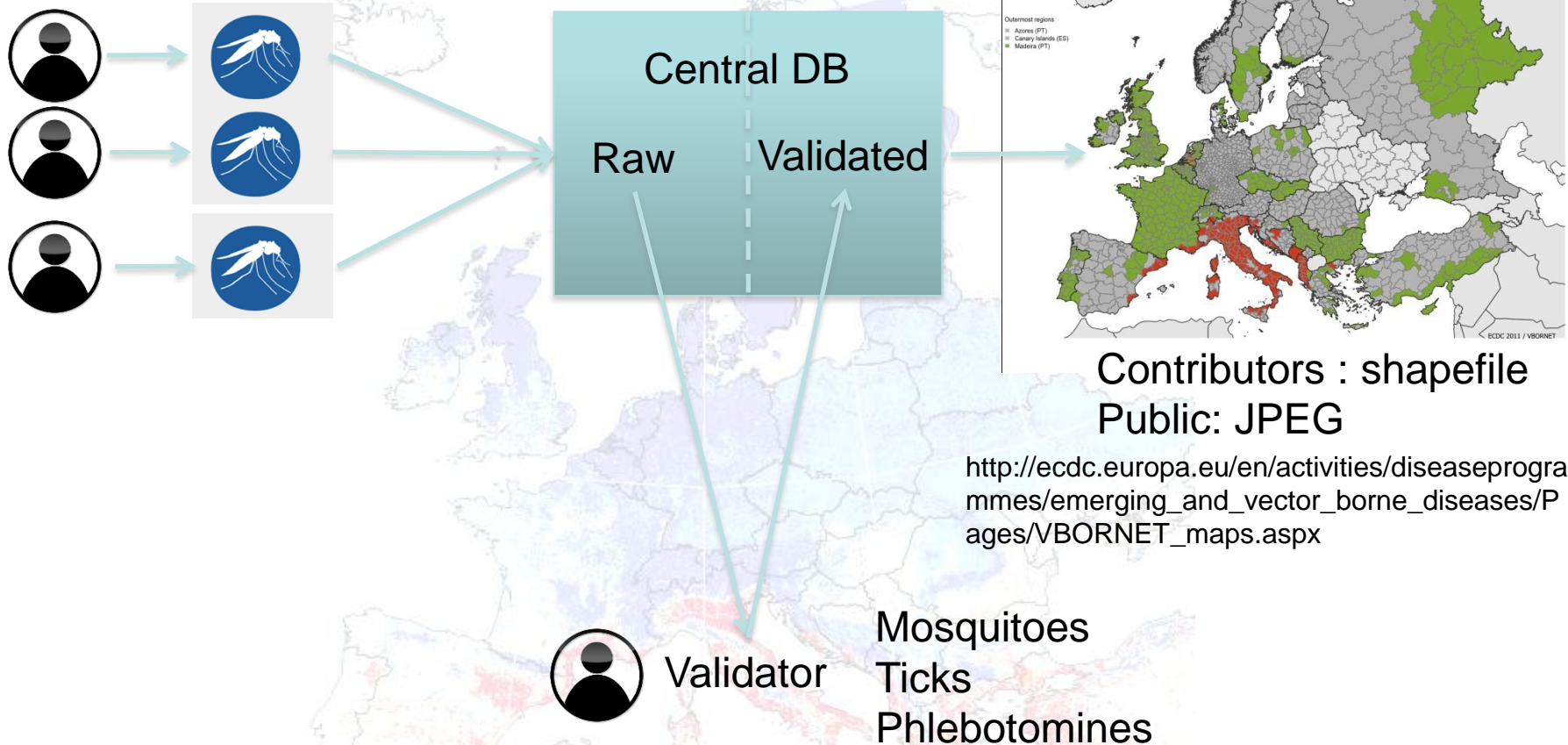
 Screenshot 1 — [Click to enlarge](#)

 Screenshot 2 — [Click to enlarge](#)

 Screenshot 3 — [Click to enlarge](#)



ICT Achievements WP1

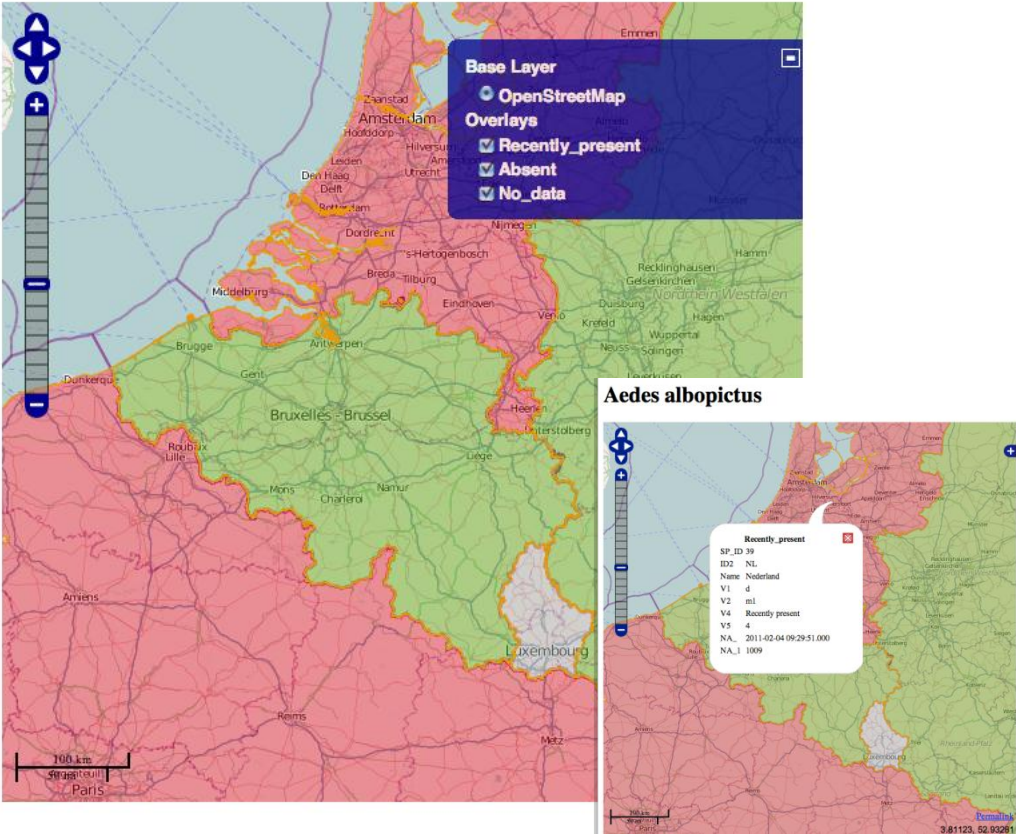


ICT Achievements WP1

Aedes albopictus

http://users.telenet.be/elsducheyne/vbornetwms/

Aedes albopictus



Base Layer

- OpenStreetMap

Overlays

- Recently_present
- Absent
- No_data

Aedes albopictus

Recently_present

SP_ID	39
ID2	NL
Name	Nederland
V1	d
V2	nil
V4	Recently present
V5	4
NA_1	2011-02-04 09:29:51.000
NA_1	1009

Establishment of Web Map Server
Current features:

- Pan
- Zoom
- Show attributes
- Set visible/invisible layers

To do:

- ROI
- Download

ICT Achievements WP1

VBORN Form

File Edit

INTRODUCTION & INFORMATION

The VBORN project aims to establish a European Network of medical entomologists and network are representatives of a wide range of vector-borne disease-related research and (http://ecdc.europa.eu/en/activities/diseaseprogrammes/Pages/VBORNNET.aspx) and the att

Current links between experts on vectors and public health specialists are often poorly establish and develop priority strategic topics concerning the public health perspective of vector information on vector-borne diseases and related public health activities and expertise in the

The survey consists of twelve questions, targeted to the public health experts responsible for diseases. It covers different topics related to thirteen vector-borne diseases:

- Surveillance activities among humans, animals and vectors;
- Additional activities implemented to estimate the occurrence of vector-borne disease
- The extent of information exchange between public health, vector and animal surveillance
- The availability of contingency plans, and public health communication campaigns.

Instructions to fill out the questionnaires

- Most questions need approximately 10-20 minutes.
- Some questions will require input from other experts. Please deliver the different ques
- Only the official view of your country is being asked for and no personal views
- Countries without any data or only partial data are asked to send the questionnaire an
- All replies are analyzed confidentially and they will provide the basis for future ECDC
- Please indicate a person we can contact if any additional information is needed (see b
- If you wish to add any comment, please use the space at the end of the questionnaire
- Answers are automatically saved every 5 minutes.
- To save intermediate progress, click file > save or simply close the program by clickin
- Completed questionnaires can be submitted by clicking "Send Form" at the bottom of
- If you have any question related to this questionnaire, please contact the VBORNNET
 - Agnetha Hofhuis, by email: agnetha.hofhuis@rivm.nl or phone: +3130 274226
 - Wilfrid van Pelt, by email: wilfrid.van.pelt@rivm.nl or phone: +3130 2743560

VBORN Form

File Edit

Q1:
Are activities performed in your country regarding surveillance of human cases for the following vector-borne diseases?

Mosquito-borne diseases

Chikungunya Yes No Don't know

Do Public Health laboratories have diagnostics to detect this disease?
 Yes No Don't know

Are there other efforts made in your country to estimate the occurrence of Chikungunya in your country among human cases? (e.g. epidemiological studies or projects, outbreak investigations)
 Yes No Don't know

Dengue Yes No Don't know

West Nile fever Yes No Don't know

Name of the surveillance system:

Since when (year)?

Organization(s) responsible for data collection, analyses & reports:

Is the surveillance passive or active?
 Passive Active Don't know

Is there legal requirement to report these cases? i.e. is this VBD notifiable by law
 Yes No Don't know

What is the case definition?

Is there laboratory confirmation of cases?
 Yes (if yes: systematic unsystematic) No Don't know

Is the surveillance system electronically available (e.g. electronic web based application)?
 Yes No Partially Don't know

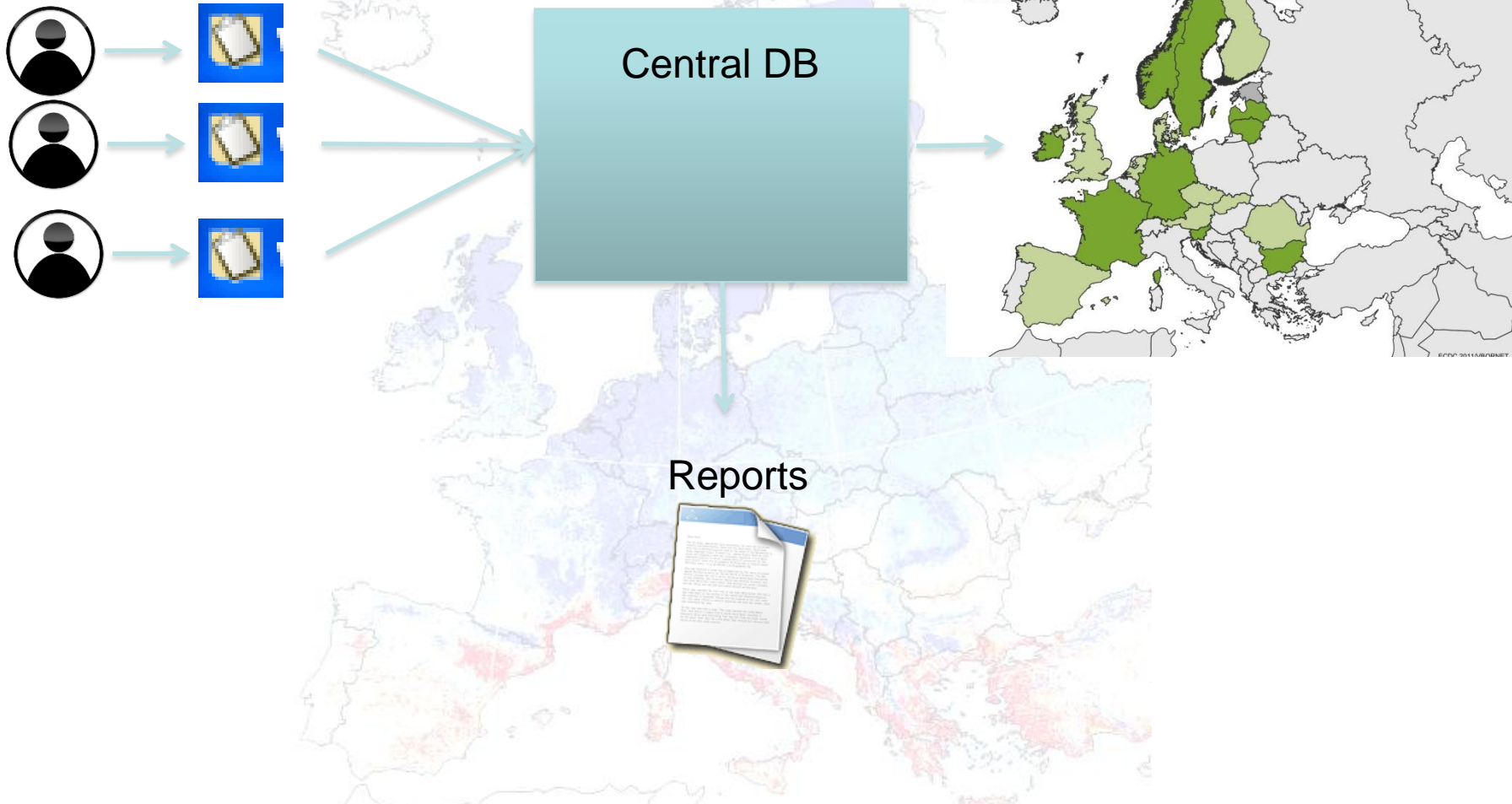
Frequency and way of reporting of these data:
 Real time Weekly Monthly Annually Other

Population under surveillance:

Avia-GIS Copyright ©2010 Avia-GIS
Created by Bart de Groot

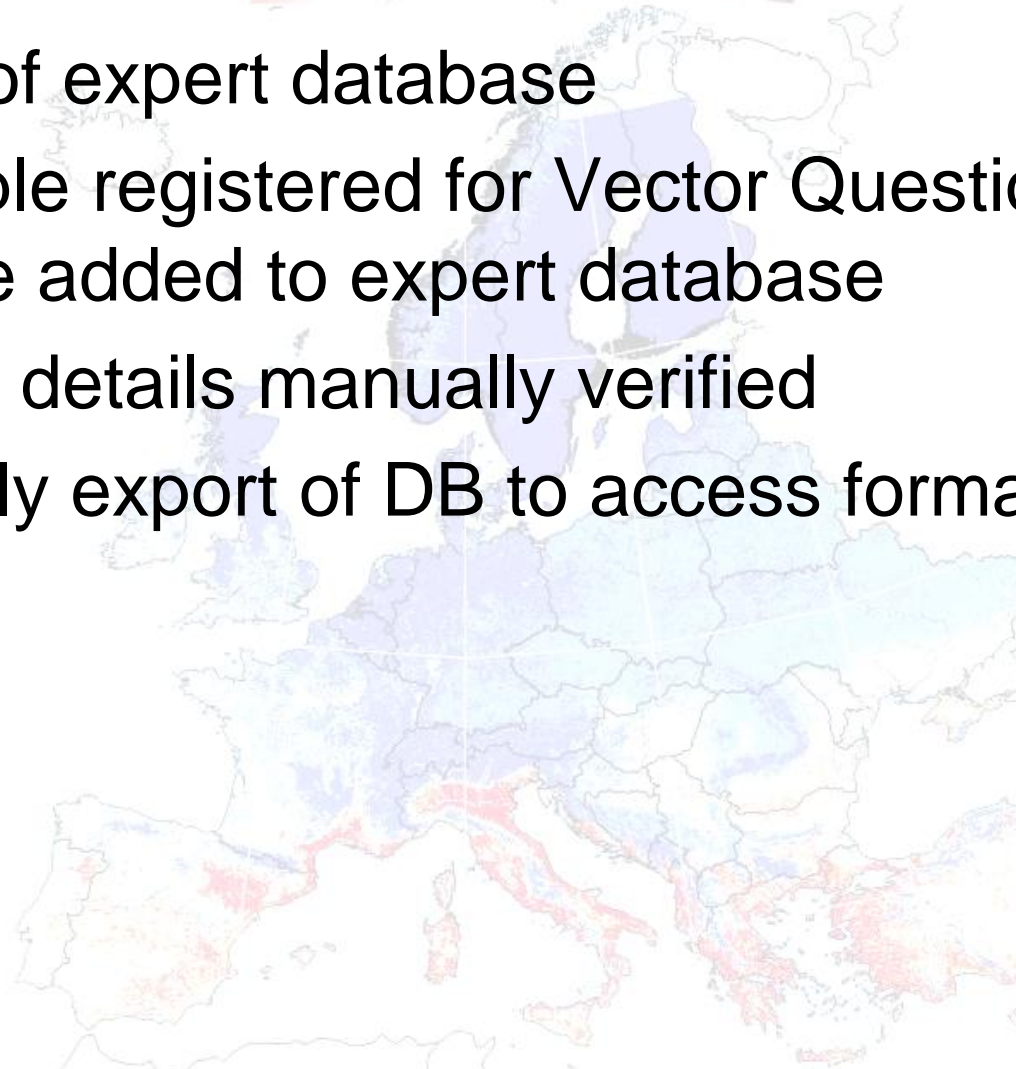
We thank you for your cooperation.

ICT Achievements WP1



ICT Achievements WP1

- Set up of expert database
- All people registered for Vector Questionnaire Tool are added to expert database
- Contact details manually verified
- Quarterly export of DB to access format



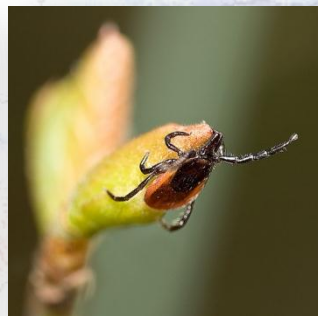
Thank you for your
questions!

<http://www.ecdc.europa.eu/EN/ACTIVITIES/DISEASEPROGRAMMES/Pages/VBORNET.aspx>

<http://edendatasite.com> click VBORNET TAB



Antwerp, April 2011



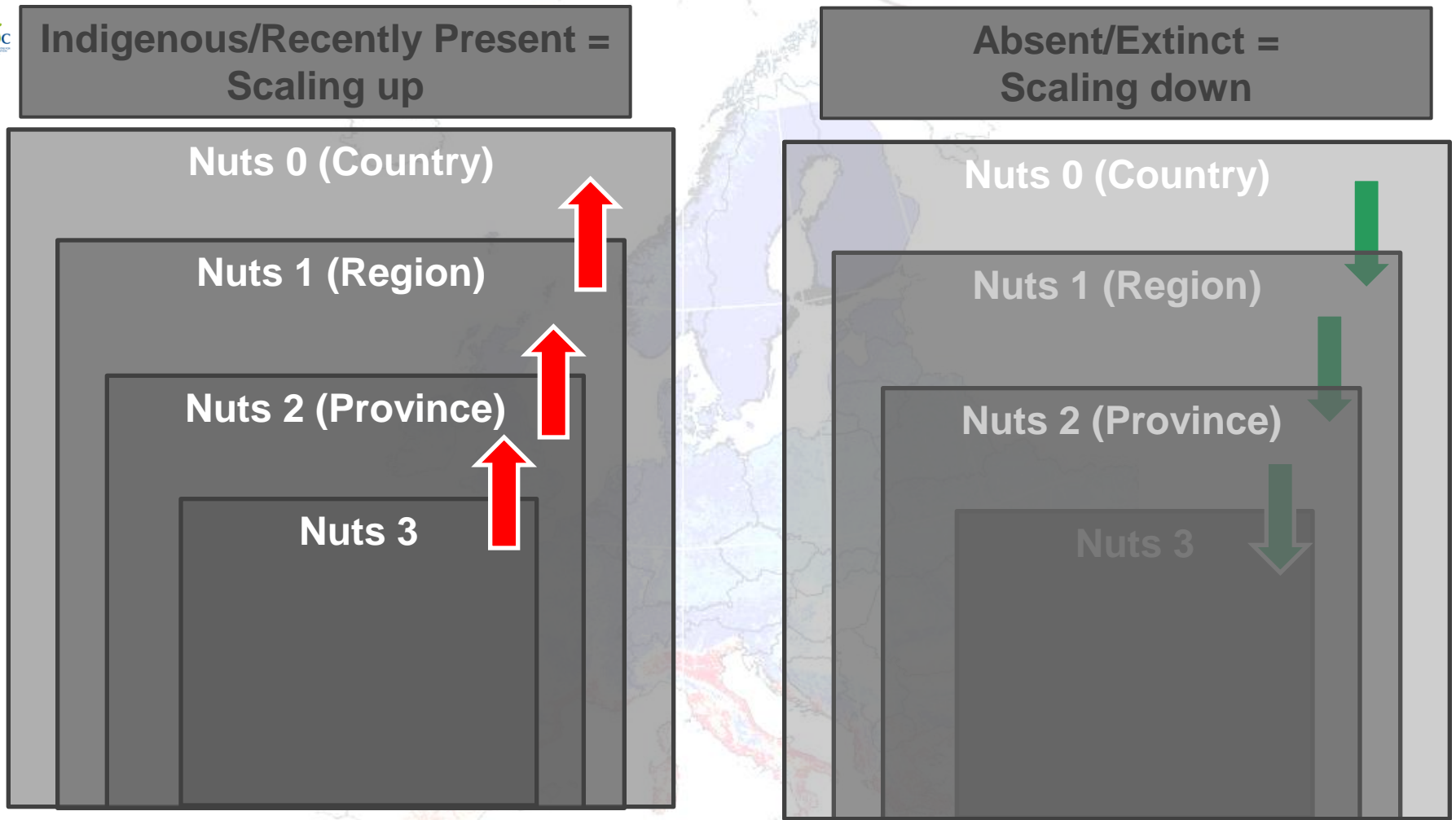
VBORNET AGM



Vector Questionnaire Tool

The image displays the VBORNET Vector Questionnaire software interface. The main window shows a map of Europe with a red outline indicating a selected region. A sidebar lists mosquito species (Aedes albopictus, Aedes aegypti, Aedes japonicus, Aedes atropalpus, Aedes koreicus, Anopheles plumbeus, Aedes vexans, Culex modestus) and administrative units (Romania/Romania, Russia/Russia, Saint Georgia & Sandwich Islands, Saint Helena*, Saint Pierre & Miquelon*, San Marino, Schweiz-Suisse-Svizzera/Switzerland, Serbia). A smaller window in the foreground shows a zoomed-in view of the same map with a green and yellow shaded area. A dialog box in the center reads "Applied the new status to 404 admin units." with an "OK" button. The background shows a "Set Status" form with fields for "Present", "Record", and "Information".

Vector Questionnaire Tool



Vector Validator Tool

The screenshot displays the VBORNET Vector Validator application with several overlapping windows:

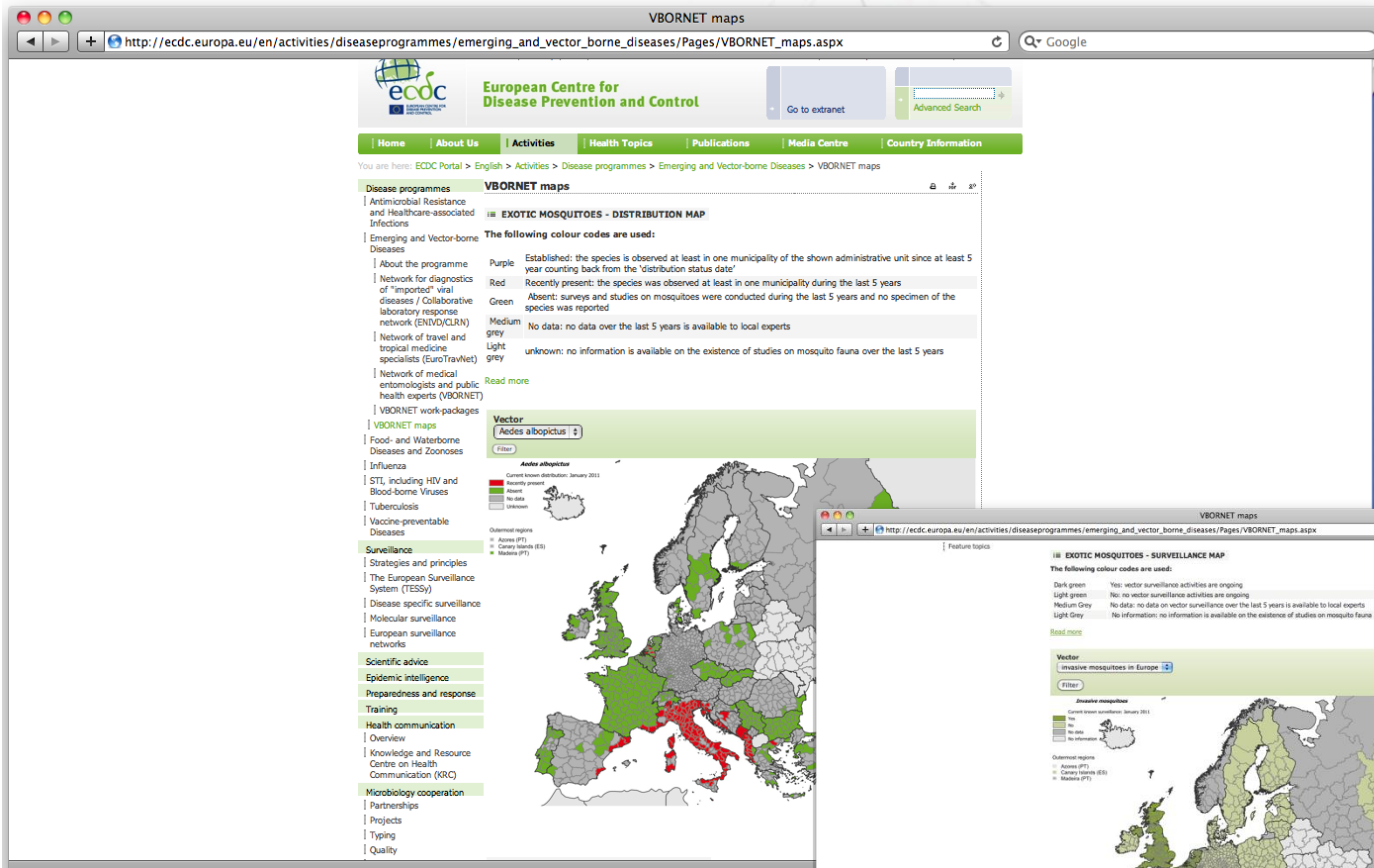
- Main Window:** Shows the period loaded (1), start/end dates (1/1/2010 to 4/1/2010), and upload instructions. It includes a menu (File, Edit, Window, Help), Download and Upload buttons, and a table for Admin Unit distribution.
- Vector Distribution Table:**

Arthropod	Unverified
Vectors	
Mosquitoes	
Aedes albopictus	0
Aedes aegypti	8
Aedes japonicus	0
Invasive mosquito spp.	0
Culex modestus	0
Ticks	
Ixodes ricinus	0
Ixodes persulcatus	0
Hyalomma marginatum	0
Dermacentor reticulatus	0
Rhipicephalus sanguineus	0
Ornithodoros spp.	0
Phlebotomines	
Phlebotomus (Larrousius) ariasi	0
Phlebotomus (Larrousius) perniciosus	0
Phlebotomus (Larrousius) perfliewi	0
Phlebotomus (Larrousius) neglectus/syriacus	0
Phlebotomus (Larrousius) tobbei	0
Phlebotomus (Phlebotomus) papatasi	0
Phlebotomus (Paraphlebotomus) sergenti	0
Phlebotomus (Paraphlebotomus) similis	0
- Admin Unit Table:**

Admin Unit	Unver.	Total	Current Status	New Status
Schweiz-Suisse-Svizzera/Switzerland	3			
Schweiz-Suisse-Svizzera/Switzerland (N-1)	2			
Ticino (N-2)	1			
Zürich (N-2)	1			
Zürich (N-3)	1			
Espace Mittelland (N-2)				
Nordwestschweiz (N-2)				
Ostschweiz (N-2)				
Région lémanique (N-2)				
Zentralschweiz (N-2)				
Andorra				
Belgique-België/Belgium				
Liechtenstein				
Portugal				
Rossija/Russia				
Bermuda*				
Anguila*				
Armenia-Hayastan				
Azerbaijan				
Belarus				
Bosna i Hercegovina/Bosnia and Herzegovina				
Bouvet*				
- Zürich (N-3) Vector Distribution:** Shows a table for Aedes aegypti with columns for Reporter, Date, Status, Valid, and Invalid. It lists reports from Francis Schaffner.
- Chained Reports:** A window showing the distribution of Aedes aegypti across various Swiss regions like Luzern, Neuchâtel, and others.
- Download Data:** A dialog box for downloading period data, with fields for Username (ecdc) and Password (*****), and Download buttons.
- Distribution: Aedes aegypti (Detailed):** A form for entering detailed information about the distribution, including D1 (Is Aedes aegypti present), D2 (Environment), D3 (Date first confirmed record), D4 (Date last confirmed record), D5 (Scientist providing information), and D6 (Point data).



Public website



VBORNET maps
 http://ecdc.europa.eu/en/activities/diseaseprogrammes/emerging_and_vector_borne_diseases/Pages/VBORNET_maps.aspx

European Centre for Disease Prevention and Control

Home | About Us | **Activities** | Health Topics | Publications | Media Centre | Country Information

You are here: ECDC Portal > English > Activities > Disease programmes > Emerging and Vector-borne Diseases > VBORNET maps

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 (ENVD/CLRN)
 Network of travel and tropical medicine specialists (EuroTravNet)
 Network of medical entomologists and public health experts (VBORNET)
 VBORNET work-packages
 Food- and Waterborne Diseases and Zoonoses
 Influenza
 STI, including HIV and Blood-borne Viruses
 Tuberculosis
 Vaccine-preventable Diseases

Surveillance
 Strategies and principles
 The European Surveillance System (TESSy)
 Disease specific surveillance
 Molecular surveillance
 European surveillance networks

Scientific advice
 Epidemic intelligence
 Preparedness and response
 Training
 Health communication
 Overview
 Knowledge and Resource Centre on Health Communication (KRC)

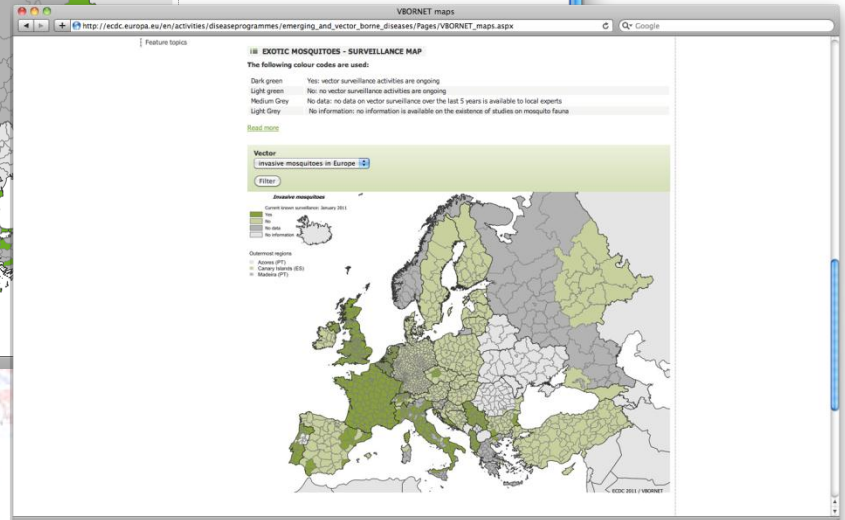
Microbiology cooperation
 Partnerships
 Projects
 Typing
 Quality

EXOTIC MOSQUITOES - DISTRIBUTION MAP
 The following colour codes are used:
 Purple Established: the species is observed at least in one municipality of the shown administrative unit since at least 5 year counting back from the "distribution status date"
 Red Recently present: the species was observed at least in one municipality during the last 5 years
 Green Absent: surveys and studies on mosquitoes were conducted during the last 5 years and no specimen of the species was reported
 Medium grey No data: no data over the last 5 years is available to local experts
 Light grey unknown: no information is available on the existence of studies on mosquito fauna over the last 5 years
 Read more

Vector
 Aedes albopictus

Current distribution: January 2011
 Legend:
 - Recently present
 - Absent
 - No data
 - Unknown

Outbreak regions:
 - Africa (PT)
 - Canary Islands (ES)
 - Madeira (PT)



VBORNET maps
 http://ecdc.europa.eu/en/activities/diseaseprogrammes/emerging_and_vector_borne_diseases/Pages/VBORNET_maps.aspx

EXOTIC MOSQUITOES - SURVEILLANCE MAP
 The following colour codes are used:
 Dark green Yes: vector surveillance activities are ongoing
 Light green No: no vector surveillance activities are ongoing
 Medium grey No data: no data on vector surveillance over the last 5 years is available to local experts
 Light grey No information: no information is available on the existence of studies on mosquito fauna
 Read more

Vector
 Exotic mosquitoes in Europe

Current distribution: January 2011
 Legend:
 - Yes
 - No
 - No data
 - No information

Outbreak regions:
 - Africa (PT)
 - Canary Islands (ES)
 - Madeira (PT)

