

TropNetEurop

4th Workshop on Imported Infectious Diseases

2003

June, 27th-28th

Oslo



European Network on Imported Infectious Disease Surveillance
www.tropnet.net

PROGRAMME

Date & Time		Speakers
Friday, 27/06/2002		
15 ⁰⁰ -15 ¹⁵	Introduction	Bjørn Myrvang, Oslo
15 ¹⁵ -17 ⁰⁰	Report of steering committee and co-ordinator <ul style="list-style-type: none"> • Membership issue • Reporting • Financing opportunities for the network 	Ron Behrens, London Anders Björkmann, Stockholm Joaquim Gascon, Barcelona Tomas Jelinek, Berlin Alberto Matteelli, Brescia
17 ⁰⁰ -17 ³⁰	Afternoon break	
17 ³⁰ -18 ³⁰	Report of steering committee and co-ordinator (continued) <ul style="list-style-type: none"> • Contacts to other networks and organisations • Report from the ISTM conference in New York 	
18 ³⁰ -19 ⁰⁰	Malarone resistance and cytochrome b mutations: preliminary data from the TropNetEurop filter paper study	Nikolai Mühlberger, Berlin
19 ⁴⁵	Dinner at Scandic Hotel St. Olav	
Saturday, 28/06/2002		
8 ⁴⁵ -9 ⁰⁰	Introduction	Tomas Jelinek, Berlin
TropNetEurop Studies & Reports		
9 ⁰⁰ -9 ³⁰	HIV & malaria study	Ida Gjørup, Copenhagen
9 ³⁰ -9 ⁴⁵	TropNetEurop data on HIV & malaria	Nikolai Mühlberger, Berlin
9 ⁴⁵ -10 ¹⁵	Malaria in Chinese immigrants	Alberto Matteelli, Brescia
10 ¹⁵ -10 ³⁰	TropNetEurop data on Malaria in Chinese immigrants	Nikolai Mühlberger, Berlin
10 ³⁰ -11 ⁰⁰	Break	
Emerging and Re-Emerging Diseases I		
11 ⁰⁰ -11 ³⁰	Northern Italy Study on Dengue in Travellers	Alberto Matteelli, Brescia
11 ³⁰ -12 ⁰⁰	Dengue in travellers: disease, definitions & TropNetEurop data	Ole Wichmann, Berlin
12 ⁰⁰ -12 ³⁰	Histoplasmosis in Spanish travellers	Joaquim Gascon, Barcelona
12 ³⁰ -13 ⁰⁰	African tick bite fever in travellers	Mogens Jensenius, Oslo
13 ⁰⁰ -14 ⁰⁰	Lunch break	
Emerging and Re-Emerging Diseases II		
14 ⁰⁰ -14 ³⁰	SARS	Tomas Jelinek, Berlin
14 ³⁰ -15 ⁰⁰	Is there an infectious disease threat to Scandinavia from Russia and the Baltic states?	Andreas Skulberg, Oslo
15 ⁰⁰ -15 ³⁰	Update on human African trypanosomiasis	Jorge Atouguia, Lisbon
15 ³⁰ -16 ⁰⁰	Gnathostomiasis as an emerging infection	Peter Chiodini, London
16 ⁰⁰ -16 ³⁰	Venomous animals	Gunnar Hasle, Oslo
16 ³⁰ -17 ⁰⁰	Afternoon break	
Malaria		
17 ⁰⁰ -17 ³⁰	Clinical and paraclinical aspects of severe malaria	Jan Clerinx, Antwerp
17 ³⁰ -18 ⁰⁰	Changing trends of imported malaria into the UK	Ron Behrens, London
18 ⁰⁰ -18 ³⁰	Malaria in the Gambia 2000, the making of an outbreak	Ron Behrens, London
18 ³⁰ -19 ⁰⁰	Treatment study in uncomplicated malaria: Malarone v.s. Riamet	Martin Grobusch, Tübingen
19 ⁰⁰ -19 ¹⁵	Summary and end of the meeting	Bjørn Myrvang, Oslo
19 ³⁰	Bus transportation via Ullevål University Hospital and Holmenkollen to Voksenåsen, where a Scandinavian buffet dinner will be served	

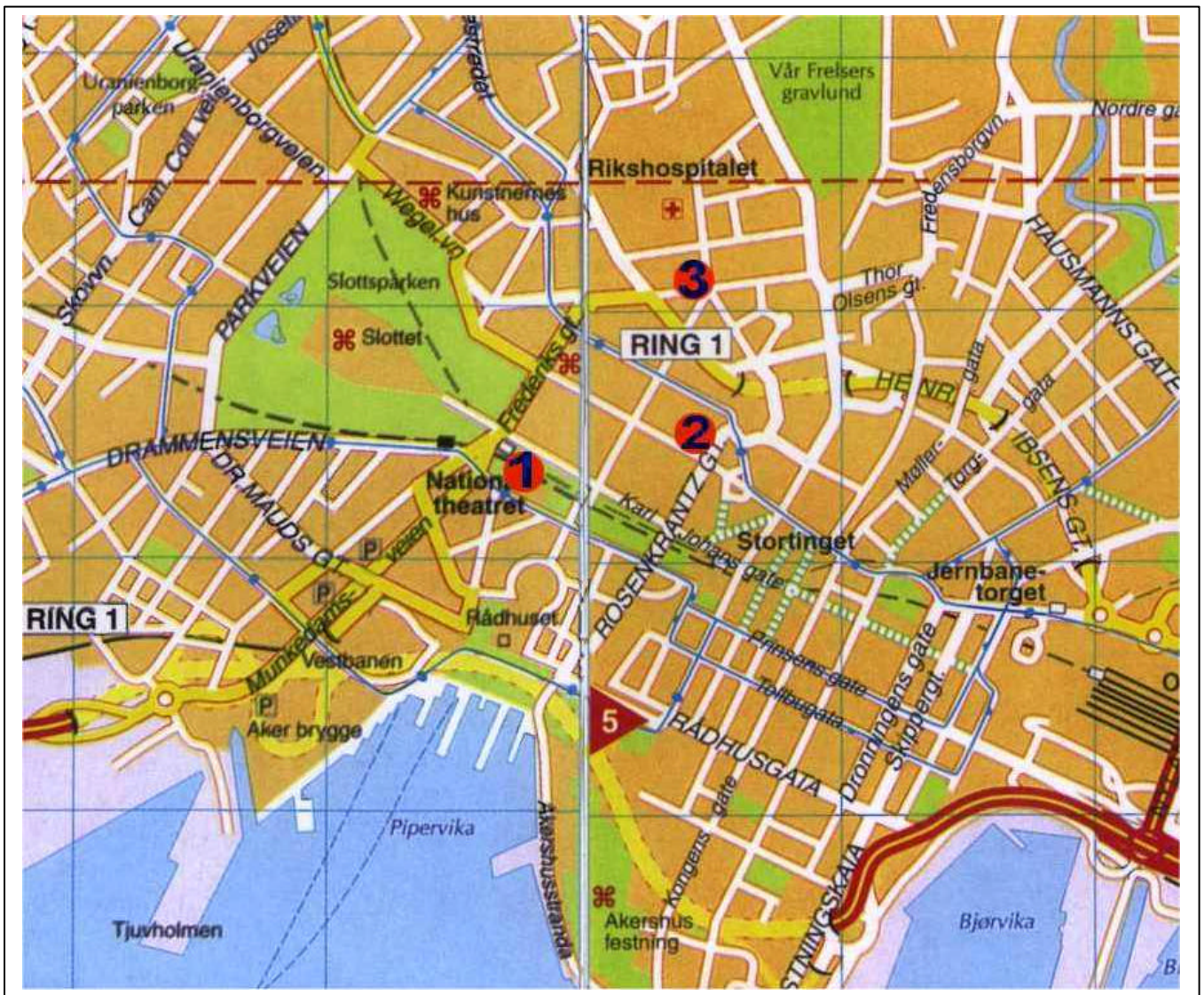
WORKSHOP ORGANIZER AND LOCAL CONTACT ADDRESS

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MEETING VENUE

Scandic Hotel St. Olav, St. olavs plass 1, Oslo 0165, Norway



WELCOME

Dear colleagues

As the local organizer I wish to welcome you to Oslo and the 4th TropNetEurop Workshop on Imported Infectious Diseases. I hope you will enjoy your stay here, and that you will find your hotel room and the workshop facilities satisfactory. As you have been informed, your stay and meals at Scandic Hotel St.Olav will be covered. The bus transportation and the Scandinavia buffet dinner at Voksenåsen on Saturday night are also free. According to usual practice you have to pay your extras at the hotel, like telephone calls and minibar expenses. Accompanying persons are welcome to take part both in the dinner at the hotel on Friday night and in the bus trip with the buffet dinner on Saturday night. Accompanying persons staying at the Scandic hotel, will be charged Norwegian kr. 200. - (about 25 Euro) per night.

We are very grateful for contributions from GlaxoSmithKline, Statoil and Norsk Hydro to make the workshop successful, and thank also for support received from Roche Norge, Bayer and Montebello Diagnostics.

The hotel reception will be glad to provide you with a map and to give you information about Oslo and its tourist attractions. Please contact me or the hotel conference coordinator if you need other type of assistance during your stay. I am looking forward to an interesting workshop in a friendly atmosphere.

Sincerely yours

Oslo, 21.06.02

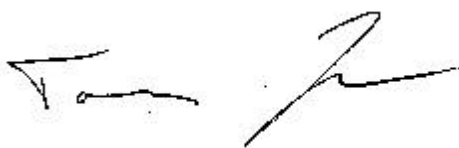
Bjørn Myrvang

Dear colleagues!

TropNetEurop has seen its fourth birthday two months ago. It has continued to grow and unites now 47 specialized centres all over Europe. Within the network, we see an average of 62.000 patients post travel per year. It took only a very short time span to develop TropNetEurop to a renown reference in the field of imported infectious diseases. The increasing output of widely distributed material shows the value of our work. This success was achieved through considerable effort from all members who continue to put in extra time and work to make the network possible. My heartfelt thanks for all this enthusiasm!

On behalf of all members of the network, I wish to express our gratitude to the local team, especially to Bjørn Myrvang who put tremendous effort in organising the meeting in Oslo.

Berlin, 21.06.02



Tomas Jelinek

ACKNOWLEDGEMENTS

Financial support for the workshop from following sources is gratefully acknowledged:

- ❖ GlaxoSmithKline
- ❖ Statoil
- ❖ Norsk Hydro
- ❖ Roche Norge
- ❖ Montebello Diagnostics
- ❖ Bayer

CONTENTS

PROGRAMME.....	2
WORKSHOP ORGANIZER AND LOCAL CONTACT ADDRESS.....	3
MEETING VENUE.....	3
WELCOME.....	4
ACKNOWLEDGEMENTS	5
CONTENTS.....	6
MINUTES OF THE 3 RD TROPNETEUROP WORKSHOP, 2002.....	7
MISSION AND GOALS OF TROPNETEUROP.....	13
TROPNETEUROP: RULES & REGULATIONS	14
CURRENT SITUATION OF TROPNETEUROP.....	15
COMMUNICATION.....	21
a) <i>The Mailing List</i>	21
b) <i>Monthly Reports</i>	22
c) <i>The Web Site</i>	23
d) <i>Special Reports and "Sentinel Events"</i>	24
e) <i>Friends & Observers</i>	25
THE REPORTING SYSTEM.....	26
TROPNETEUROP STUDIES & REPORTS	28
<i>TropNetEurop screening for codon 268 mutations of the cytochrome b gene associated with malarone resistance</i>	28
<i>TropNetEurop MALHIV Study</i>	29
<i>Illicit trade in humans and risks of disease spread: recurrent clusters of malaria in Chinese illegal immigrants to Europe through Africa</i>	30
EMERGING & RE-EMERGING DISEASES	33
<i>Dengue in travellers: disease, definitions & TropNetEurop data</i>	33
<i>H. CAPSULATUM INFECTION IN SPANISH TRAVELLERS TO LATIN AMERICA</i>	34
<i>African tick bite fever in travellers</i>	35
SARS.....	36
<i>Is there an infectious disease threat to Scandinavia from Russia and the Baltic states?</i>	37
<i>Gnathostomiasis as an emerging infection</i>	38
<i>Venomous animals</i>	39
MALARIA	40
<i>European Observational Multicentre Study: Therapy of Uncomplicated Falciparum Malaria</i> ...	40

MINUTES OF THE 3RD TROPNETEUROP WORKSHOP, 2002

Participants

Twenty-nine participants from 22 sites (as seated)

Manuel Corachán	Barcelona		Claudia Jelinek	Munich
Anders Björkmann	Stockholm		Tomas Jelinek	Munich
Peter Chiodini	London		Nikolai Mühlberger	Munich
Tim O'Dempsey	Liverpool		Ib Bygbjerg	Copenhagen
Jiř Beran	Hradec Kralove		Michael Alifrangis	Copenhagen
Bjørn Myrvang	Oslo		Ida Gjørup	Copenhagen
Martin Grobusch	Tübingen		Matthias Schmid	Newcastle-upon-Tyne
Thomas Weitzel	Berlin		Peter Kern	Ulm
Marco Schulze	Leipzig		Juan Cuadros	Madrid
Zeno Bisoffi	Negrar (Verona)		Jan Clerinx	Antwerp
Thomas Junghanns	Heidelberg		Olivier Bouchaud	Bobigny
Gerd Boecken	Kronshagen		Sabino Puente	Madrid
Urban Hellgren	Stockholm		Alberto Matteelli	Brescia
Paul McWhinney	Bradford		Joaquim Gascon	Barcelona
Ron Behrens	London			

Guests: Toni Trilla, Juan Cayla (both from Barcelona)

Friday

Manuel Corachan: Welcome

Tomas Jelinek: Presentation of the network situation (see workshop proceedings)

- Better in identifying emerging pathogens as every other network
- Need more members in France- M. Corachan send a letter to the French Tropical Medicine magazine

Presentation of the minutes of the last steering committee meeting (A. Matteelli)

- Three steering committee meetings in the last year
- Minutes will be placed on the web site
- Only 1/3 of all members used the electronic version of the mailing list
- Publications: all others should reply to a manuscript! A form for signing consent for publication should be attached.

Finances

- R.Behrens will ask for contributions from international companies with interest in the Southern part of the world. He has already links with the "International Association of physicians for Overseas Services" IAPOS a board of 120 companies and will meet in November this year and present TropNetEurop there

Discussion

- Can steering committee members be re-elected several times?
Majority votes for “yes”
- Shall new sites report within 6 months?
Majority votes for “yes”
- Shall sites be urged to report after 12 months of failure?
Majority votes for “yes”
- Shall military sites enjoy a special status within the network (without necessity to report regularly)?
Majority votes for “yes”
Jiri Beran offers a list of NATO hospitals for possible contacts
- Shall TropNetEurop try to open a financial account and name a treasurer out of the steering committee?
Majority votes for “yes”

Possible changes for TropNetEurop (open discussion)

- Structural Changes
 - Improve data quality (changes in questionnaires)
 - Do syndromic surveillance (e.g. fever)
 - Surveillance of special groups:
 - Disease surveillance in immigrants
 - Disease surveillance in medical students
 - Include surveillance of imported Tbc into standard TropNet procedures
- Activity Changes
 - Start multicenter studies
 - Start tx and dx surveys within the network (e.g. collection of malaria treatment standards within TropNet)
 - Start post-marketing surveys (treatment failure & adverse events)
- Specific Studies
 - Serology QA
 - Study of HIV & malaria interference (Ida)
 - Prospective study on malaria in elderly (Ida)
 - Study on echinococcosis

Election of the Steering Committee

Votes: 22

Steering committee members:

- Ron Behrens
- Anders Bjoerkman
- Joaquim Gascon
- Tomas Jelinek (network co-ordinator)
- Alberto Matteelli

Nikolai Mühlberger: The Sentrylink Software & Notification of Unexpected Events

Sentrylink can serve as an electronic tool for studies that are done within the frame of TropNetEurop. The software allows an easy merger of study data and already reported information.

Calculation of the “poisson probabilities” serves as an early indicator for changes in the data flow. An increase of reports from a given area does not necessarily mean an increased risk of infection! All changes have to be analysed carefully for their causes.

Peter Chiodini: External Quality Assessment for Parasitology

Specifics of parasitology in Europe:

- Only few centres
- Often in-house assays
- Difficult to compare data
- Standardisation required

An EQA throughout Europe is proposed, TropNetEurop Centres are welcome to join. The first distribution of samples will be started in autumn 2002. A contact address will be distributed through the mailing list.

Ib Bygbjerg: Connecting networks north & south

Presentation of the East African Network on malaria drug resistance:

<http://www.afronets.org/index.php>

Toni Trilla, Barcelona: European Clinical Trials Platform Initiative

Activity within the European Research Area- FP6

Aims:

- -Increase EU effectiveness in RCTs
- -Attract more resources from these interventions
- -Accelerate candidate products
- -Develop DCs capacity for doing RCTs
- -Strengthen DCs decision making progress

Main function:

- Networking of EU national Programmes
- Networking of R&D activities
- Capacity building and training
- Coordinate sponsoring: putting together financial packages, external sources of co-financing

Creation of a “network of excellence” for increasing research capacities in the developing world, aim for 600 million € for 4 Years

Lively discussion:

Function of the network and decision making remain somewhat hazy.

Juan Cayla: Immigration from the tropics and tuberculosis - screening and management

- Control Program for TB and Aids starts in 1987
- Compliance increased from 40 to 90 %
- Between 01/2001 and 09/2001 108 cases of TB were detected in Barcelona- mostly immigrants from Pakistan

Zeno Bisoffi: A diagnostic software on imported fever

A training software for diagnosis of fever in tropical countries is presented. The program is a database of causes of fever, both tropical and not tropical ones, their potentially related characteristics and the associations between diseases and "arguments". An "argument" is any useful piece of information for given hypothesis of disease. A simple training module is based on the in-built association among diseases and their associated arguments. A version for experts will be available, too.

The software will be available in seven languages: English, French, German, Spanish, Portuguese, Italian and Dutch.

The software is not an expert system for medical diagnosis, but can be used as a didactic tool for clinical decision-making in Travel and Tropical Medicine in Europe. The logical engine allows the system to learn from experience. For instance, if TropNet centres, or a subgroup of centres begin to systematically collect data on imported fever, the prevalence of each disease and/or given argument, the database may be regularly updated accordingly. Thus, the programme can be adapted to the real situation within the network.

Saturday**Ron Behrens: London treatment study on uncomplicated malaria - Malarone vs. quinine/Fansidar**

Randomised blinded trial for non severe malaria

- Outcome time to full recovery
- Treatment failures
- Length of Rx required as inpatient
- Biochemical and ECG changes

Size & Duration:

- 200 patients in each arm
- If notable differences after 110 patients, change to open label atovaquone/ proguanil concentrating on efficacy
- 300 patients followed for 28 days for relapse
- duration 2-3 years with 30 % recruitment of suitable cases

Alberto Matteelli: Treatment study in uncomplicated malaria - artekin vs. quinine/metakelfin

See also comprehensive abstract in the proceedings

Discussion focuses on critical points:

Phase 3 trial requires costly insurance

Artekin is not registered

Difficulties in identification of one single comparator arm

The use artekin in Europe may be questionable

Martin Grobusch: European Multicentre Study on Therapy of Uncomplicated Falciparum Malaria

See also abstract in the proceedings

The proposal has been repeatedly discussed within TropNetEurop

The study aims at comparing two recently introduced regimes for treatment of uncomplicated falciparum malaria .It is designed as a prospective, randomised, open-label, phase IV multicentre

study of efficacy and tolerance of oral atovaquone /proguanil vs. artemeter/ lumefantrine for the therapy of uncomplicated falciparum malaria

Study will start in January 2003, inclusion of 440 patients is targeted.

Discussion of both proposals. Main points:

- Focus on tx efficacy equivalence?
 - Large sample size needed
- Consideration of immunity effects
 - Exclude immigrants?
 - Form a study sub-group?
 - Stratify analysis?
- What to do with the control arm? Can it be standardized?
 - NO!
- “Expected” side effects may serve as confounders, thus it may be better to compare two new drugs
- Get more data by expanding the TropNetEurop questionnaire
 - Use common treatment protocols
 - Monitor AE, parasite clearance routinely
 - Do post marketing surveillance as quality assurance, not as study!

The proposed study Malarone vs. Riamet is approved, 9 attending centres are interested to participate
The Lisbon conference in September will be used for a final meeting before launching the study

Jan Clerix: Improving the data collection

- One reporting form for each disease
- Use clinical case definitions
- Use diagnostic parameters in 3 categories (present, absent, not available)

Discussion:

- Before thinking of changing the questionnaire, we should think of filling in the old one correctly !
- Use one common reporting form plus a second sheet for each disease?
- First define the question “What do we want the data for?” before starting to collect more information

TO DO:

- The existing reporting form should be filled in correctly
- Case definitions will be created (by steering committee & J. Clerinx)

Tomas Jelinek: Results of the malaria drug resistance study

- Fifteen TropNetEurop sites are participating, the first 337 samples are analysed
- The repository represents a unique sample collection!
- Blood samples on filter paper are examined for mutations related to resistance to
- Chloroquine (Pfcr1, Pfmdr1)
- Antifolates (DHFR, DHPS)

Further work:

- Check for atovaquone-resistance (cytochrome b gene, work is in progress)

- Continue analysis of new samples – the system can now detect changes

Nikolai Muehlberger: Malaria in elderly Patients

Analysis of TropNetEurop & SIMPID data bases to document the frequency of falciparum malaria in elderly patients and to uncover age-related specifics in clinical outcome and course of the disease. Altogether, 2446 falciparum patients met the inclusion criteria. 154 were older than 60 years. Results of the present study provide evidence that falciparum malaria is more serious in older patients. Since falciparum malaria in older patients is a rare finding in Europe, sufficient patient number for statistical analysis can only be provided by surveillance systems.

Discussion:

- Duration of hospitalisation , and use of blood transfusion should be stated in the notification
- Looks at confounders (e.g. accompanying diseases)
- Reasons for giving transfusions should be mentioned in the questionnaire

Ib Bygbjerg: Use of corticosteroids in the treatment falciparum malaria & ARDS

Presentation of a case report: 46 year old patient, >30% parasitaemia, ARDS
pro et contra of corticosteroids

Discussion:

- High mortality in patients with ARDS
- Use of corticosteroids when the patient is not longer to manage with “normal” intensive care
- Publication in “Parasitology today” - description on some Swiss cases of ARDS
- Doses of steroids?
- More interaction between intensive care manager and tropical medicine specialist

Update on Malarone Resistance (R. Behrens, T. Jelinek, I. Bygbjerg, M. Alifrangis, A. Bjoerkmann)

Presentation of several case reports

	Where	Status	From	Prophylaxis	Cytochrome b gene
1	London	Immigrant	Nigeria	No	Mutant
2	Munich	Tourist	Mali	C+P	Mutant
3	Copenhagen	Tourist	Cameroon	C+P	Mutant
4	Gotenborg	Immigrant	Ivory Coast	?	Wild type (!)
5	Gotenborg	Tourist	Ivory Coast	?	Mutant
6	Gotenborg	Tourist	Ivory Coast	?	Mutant
7	Stockholm	Immigrant	Nigeria	No	? (to be analysed)

Discussion:

- Discussion on data of the child case from Gotenborg
- Does Malarone cause a slow parasites clearance?
- Stand by treatment- which drugs are recommended?
- Genotyping should be attempted in al cases of malarone failure
- Sample repository from TropNetEurop will be checked for this mutation

Summary and end of meeting by Manuel Corachán

MISSION AND GOALS OF TROPNETEUROP

- ❖ to maintain a collaborative network of European professionals dealing with imported infectious diseases;
- ❖ to create European consensus for clinical guidelines for diagnostic and therapeutic procedures in imported infectious diseases;
- ❖ to identify emerging pathogens by sampling returning international travellers, immigrants, and foreign visitors;
- ❖ to add information and accuracy to the current, divergent European systems of disease notification;
- ❖ to provide grounds for cluster investigation and intervention strategies by Public Health authorities;
- ❖ to provide the basis for permanent research collaboration of infectious disease centres in Europe

TROPNETEUROP: RULES & REGULATIONS

1. Membership only by clinical sites, no minimal number of patients
2. Exclusion criteria for members need to be defined, steering committee also decides on inclusion
3. Management structure: every site has one site manager and one vote (only when submitting data!)
4. Steering committee: five members including one network coordinator(elected for two years)
5. Regular meeting of membership every year necessary
6. All members decide on fundamental issues regarding the network
7. Members should decide on steering committee work at annual meetings:
steering committee submits questions, proposals to all members, reviews research proposals
8. Network coordinator manages day-to-day work
9. Data are owned by all reporting members
10. Publication of results: all site managers of reporting sites are named as co-authors (in order of number of reported patients). TropNetEurop should always be mentioned. All publications go through review by steering committee.
11. Ownership of funds: though network infrastructure should be financed, funds will be managed by members that applied for them

TropNetEurop: functions within the network

Steering Committee

- ▲ Executes decisions of membership
- ▲ Controls coordinator
- ▲ Foreign policy
- ▲ Structural decisions, e.g.
 - ✗ recruiting of new member sites
 - ✗ changes in questionnaire
 - ✗ uptake of research projects

controls



reports



Coordinator

- ▲ Executes decisions of membership and Steering Committee
- ▲ Ensures communication within the network
- ▲ Maintains data base
- ▲ Produces reports
- ▲ Ensures anonymity of data

reports

elects
controls

Membership

- ▲ Fundamental decisions, e.g.
 - ✗ reporting of additional diseases
 - ✗ data merger with other networks, etc.
 - ✗ elects steering committee
 - ✗ elects coordinator

reports

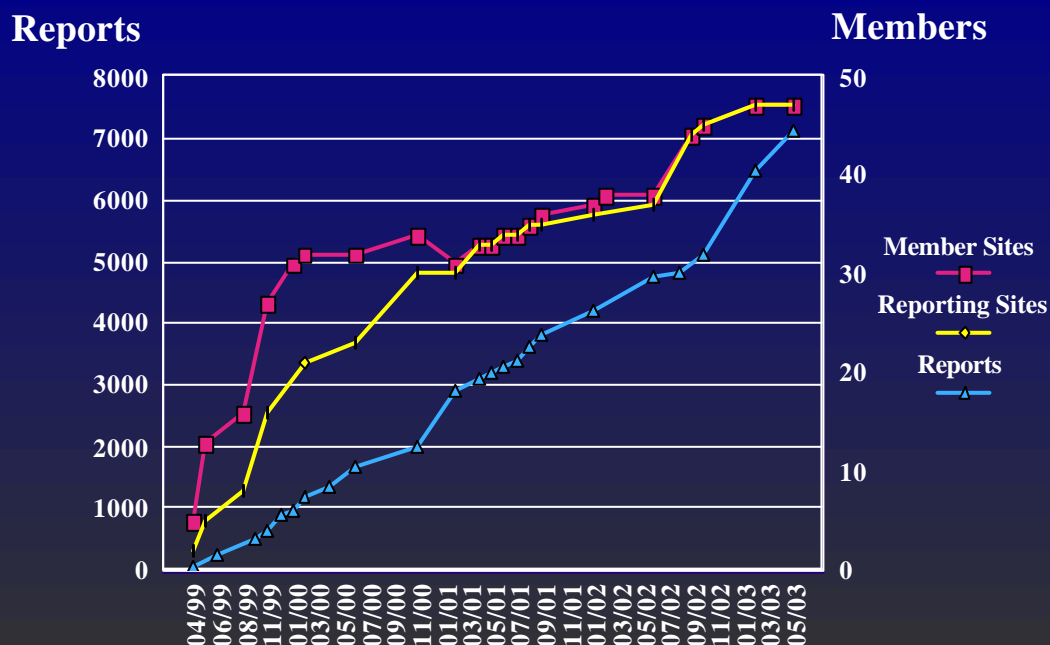
elects
controls

CURRENT SITUATION OF TROPNETEUROP

TropNetEurop has started in April, 1999 with few selected members of TropMedEurop, the European Association for Tropical Medicine. From the beginning, support has been surprisingly strong and it has been very easy to recruit new member sites. TropNetEurop covers now 12% of all malaria patients in Europe and probably a similar percentage of patients diagnosed with dengue fever and schistosomiasis .

After a major consolidation phase during the second half of 2000, when several inactive members opted to join the mailing list “friends & observers” rather than participating in the reporting system, recruitment of new member sites has continued. TropNetEurop wishes to interest all major European “centres of excellence” on Imported Infectious Diseases. Currently, the network has 47 members sites.

TropNetEurop: membership and reporting



	N	%
Member Sites	47	100.0
Reported Patients	6031	100.0
Patients reported electronically	726	12.0
Reported Diagnoses	6066	100.0
Malaria	4759	78.5
Dengue	664	10.9
Schistosomiasis	643	10.6

**The European Network on
Imported Infectious
Disease Surveillance
(TropNetEurop)**



Member sites of TropNetEurop:

No	Institution	Site Director
1	Department of Infectious Diseases and Tropical Medicine, University Hospital of Aarhus, Skejby Hospital, Aarhus, Denmark	Prof. F.T. Black
2	Prins Leopold Instituut voor Tropische Geneskunde, Clinical Services, Antwerp, Belgium	Dr. J. Clerinx
3	Sección de Medicina Tropical, Hospital Clinic, Barcelona, Spain	Dr. J. Gascon
4	Unitat de Malalties Tropicals, Importades i Vacunacions Internacionales, Institut Català de la Salut, Barcelona, Spain	Dr. J. Gómez i Prat
5	Swiss Tropical Institute, Basel, Switzerland	Dr. C. Hatz
6	Centre for tropical medicine and imported infectious diseases (CTID), Division of infectious diseases, Medical Dept., Haukeland University Hospital, Bergen, Norway	Prof. V. Lehmann
7	Institut für Tropenmedizin, Berlin, Germany	Dr. T. Jelinek
8	Medizinische Klinik mit Schwerpunkt Infektiologie, Charite/Campus Virchow-Klinikum, Berlin, Germany	Dr. T. Weitzel
9	Consultation de médecine tropicale, Hôpital Avicenne, Bobigny, France	Dr. O. Bouchaud
10	Médecine interne et Maladies tropicales, Hôpital St André-CHU, Bordeaux, France	Prof. DJM Malvy
11	Bradford Royal Infirmary, Infection and Tropical Medicine, Bradford, UK	Dr. P. McWhinney
12	Clinica di Malattie Infettive e Tropicali, Università di Brescia, Italy	Dr. A. Matteelli
13	Surgeon General's Department, Army Medical Directorate, FASC Camberley, UK	Dr. A. Green
14	Consulta de Medicina do Viajante, Departamento de Doenças Infecciosas, Hospital Universitário, Coimbra, Portugal	Prof. S. da Cunha
15	Department of Infectious Diseases M 5132, University of Copenhagen, Denmark	Dr. I. Gjørup
16	Hvidovre Hospital, Dept. of Infectious Diseases, Hvidovre, Denmark	Dr. J. Iversen
17	Tropical Medical Bureau, Dublin	Dr. Graham Fry
18	Institute of Maritime and Tropical Medicine, Gdynia, Poland	Prof. A. Kotlowski
19	Kanta-Häme Central Hospital, Hämeenlinna, Finland	Dr. S. Pastila
20	Tropenmedizin, Abteilung Tropenhygiene und Öffentliches Gesundheitswesen, Universitätsklinikum Heidelberg, Germany	Dr. A. Kapaun
21	Aurora Hospital, Helsinki, Finland	Prof. H. Siikamaki
22	Epidemiological Services, Military Medical Academy, Hradec Kralove, Czech Republic	Dr. J. Beran
23	Schiffahrtsmedizinisches Institut der Marine, Infektion-, Tropen- und Präventivmedizin, Kronshagen, Germany	Dr. G. Boecken
24	Travel Clinic, Policlinique Médicale Universitaire, University of Lausanne, Lausanne, Switzerland	Dr. B. Genton

Institutions and partners of TropNetEurop (continued)

No	Institution	Site Director
25	Städtische Kliniken "St. Georg", Leipzig, Germany	Dr. M. Schulze
26	Universidade Nova de Lisboa, Instituto de Higiene e Medicina Tropical, Lisbon, Portugal	Dr. J. Atougia
27	Liverpool School of Tropical Medicine, Liverpool, UK	Dr. D. Lalloo
28	Hospital for Tropical Diseases Travel Clinic, London, UK	Dr. R. Behrens
29	Microbiologia Clinica, Ctra. de Meco, Alcala de Henares, Madrid, Spain	Dr. J. Cuadros
30	Tropical Medicine & Clinical Parasitology Unit, Infectious Diseases - Microbiology Department, Hospital Ramon y Cajal, Madrid, Spain	Prof. R. Lopez-Velez
31	Hospital Carlos III, Instituto de Salud Carlos III, Madrid, Spain	Dr. S. Puente
32	Division of Infectious Disease, Fundación Jiménez Díaz, Madrid, Spain	Dr. M. de Górgolas
33	Centre de Formation et de Recherche en Médecine et Santé Tropicale, Faculté de Médecine, Marseille, France	Prof. J. Delmont
34	Department of Infectious Diseases & Tropical Medicine, University of Munich, Germany	Dr. M. Schunk
35	Centro per le Malattie Tropicali, Ospedale S. Cuore, Negrar (Verona), Italy	Dr. Z. Bisoffi
37	Department of Infection & Tropical Medicine, Newcastle General Hospital, Newcastle-upon-Tyne, UK	Dr. M.L. Schmid
38	Department of Infectious Diseases, Ullevaal University Hospital, Oslo, Norway	Prof. B. Myrvang
39	Institut de Medicine et Epidemiologie Africaine, IMEA, Hôpital Bichat - Claude Bernard, Paris, France	Prof. J.P. Coulaud
40	Department and Clinic of Tropical and Parasitic Diseases, Karol Marcinkowski University of Medical Sciences, Poznan, Poland	Dr. M. Paul
41	Karolinska Hospital, Department of Medicine, Unit of Infectious Diseases, Stockholm, Sweden	Prof. A. Björkman
42	Karolinska Institute, Division of Infectious Diseases, Huddinge University Hospital, Stockholm, Sweden	Prof. U. Hellgren
43	University Hospital of Tromsø Norway	Dr. JB Christensen
44	Institut für Tropenmedizin, Eberhard-Karls-Universität Tübingen, Germany	Prof. J. Knobloch
45	Sektion Infektionskrankheiten, Universität Ulm, Germany	Prof. P. Kern
46	Kaiser-Franz-Josef-Spital der Stadt Wien, 4. Medizinische Abteilung mit Infektions- und Tropenmedizin, Vienna, Austria	Dr. H. Laferl
47	Missionsärztliche Klinik, Würzburg, Germany	Prof. K. Fleischer

TropNetEurop: Members and Patient Encounters

N°	Town	Site Manager	In- and outpatients [per year]	Pre-travel advises [per year]
1.	Aarhus	F. T. Black	350	800
2.	Antwerp	J. Clerinx	7700	12000
3.	Barcelona – Hospital Clinic	J. Gascon	1400	6000
4.	Barcelona - Drassanes	J. Gòmez i Prat	6000	12000
5.	Basel	C. Hatz	2500	10000
6.	Bergen	V. Lehmann	50	600
7.	Berlin - IFT	T. Jelinek	4000	27000
8.	Berlin - Charite	T. Weitzel	400	0
9.	Bobigny	O. Bouchaud	500	0
10.	Bordeaux	JMD. Malvy	500	12000
11.	Bradford	P. McWhinney	150	0
12.	Brescia	A. Matterelli	400	30
13.	Camberley (UK Armed Forces)	A. Green	0	0
14.	Coimbra	S. da Cunha	50	800
15.	Copenhagen - CMP	I. Bygbjerg	300	2000
16.	Copenhagen - Hvidovre	J. Iversen	200	300
17.	Dublin	G. Fry	1200	12000
18.	Gdynia	A. Kotlowski	7000	6000
19.	Hämeenlinna	S. Pastila	70	150
20.	Hamburg	G. Burchard	5000	5000
21.	Heidelberg	A. Kapaun	1400	6000
22.	Helsinki	H. Siikamaki	300	0
23.	Hradec Králové	J. Beran	300	2000
24.	Kronshagen (Bundeswehr)	G. Boecken	500	1000
25.	Lausanne	B. Genton	300	12000
26.	Leipzig	M. Schulze	200	4000
27.	Lisbon	J.V. Costa	400	3100
28.	Liverpool	D. Laloo	500	8200
29.	London	R. Behrens	5000	8000
30.	Madrid - Principe de Asturias	J. Cuadros	100	75
31.	Madrid - Ramon y Cajal	R. Lopez-Velez	550	0
32.	Madrid - Carlos III	A. Benito	450	0
33.	Madrid - Jiménez Díaz	M. de Górgolas	100	200
34.	Marseille	J. Delmont	2500	3000
35.	Munich	M. Schunk	1700	13000
36.	Negrar (Verona)	Z. Bisoffi	2000	1500
37.	Newcastle	M. Schmid	1500	300
38.	Oslo	B. Myrvang	1500	5000
39.	Paris	J.P. Coulaud	1500	6500
40.	Poznan	M. Paul	100	350

41.	Stockholm - Karolinska	S. Britton	1500	15000
42.	Stockholm - Huddinge	U. Hellgren	400	15000
43.	Tromsø	J. B. Christensen	50	300
44.	Tübingen	J. Knobloch	1000	6000
45.	Ulm	P. Kern	1000	2500
46.	Vienna – KFJS	H. Laferl	450	0
47.	Würzburg	K. Fleischer	300	450
	TOTAL		63,370	219,955

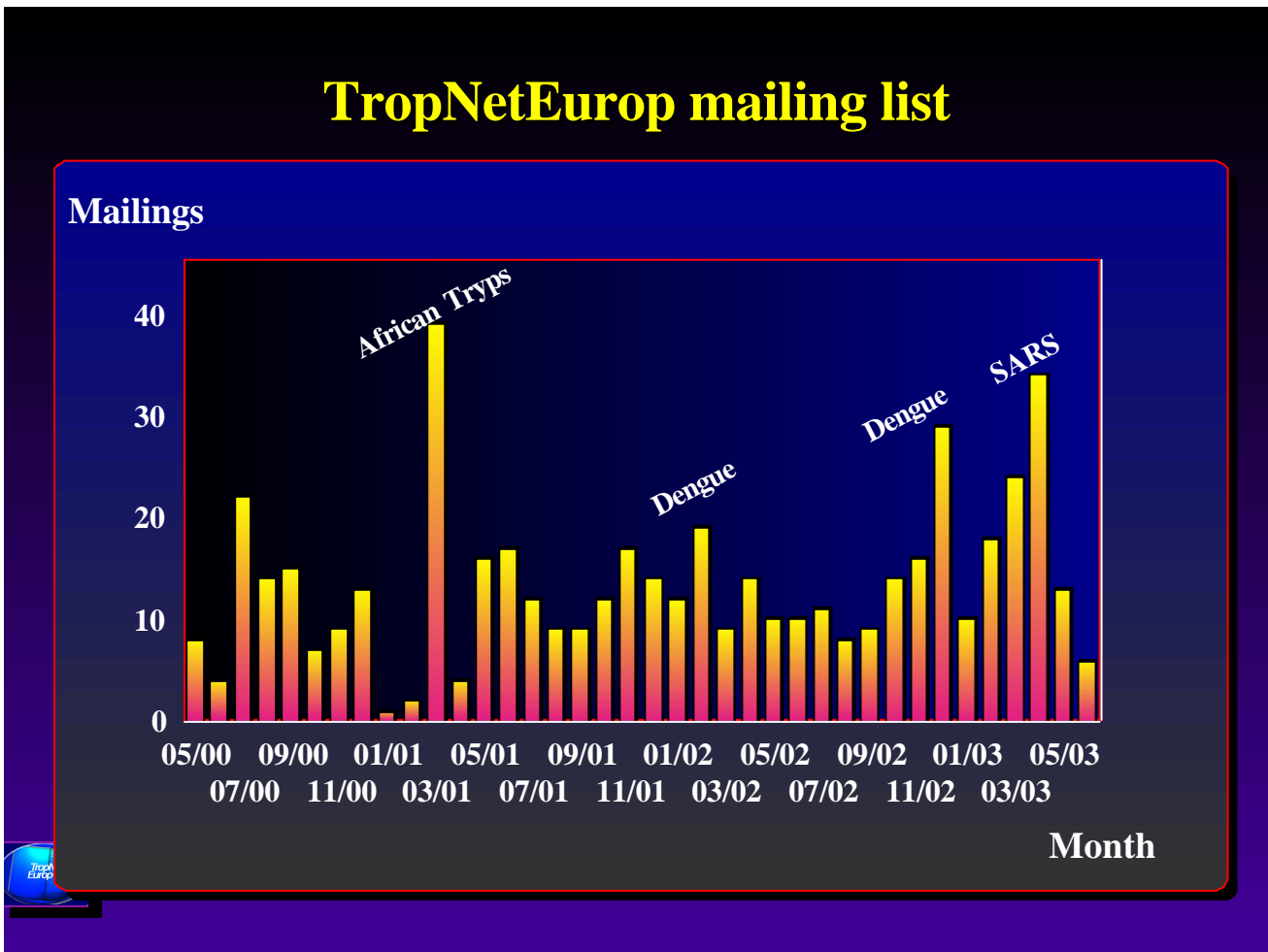
COMMUNICATION

a) The Mailing List



The TropNetEurop mailing list is managed by the coordinator. Primarily for reasons of convenience, a group list at Yahoo!.com has been chosen for this purpose. All mailings to TropNetEurop go through this group servers and have been approved by the coordinator. The list server cannot be accessed by non-members. Only selected messages are forwarded to the outside by the coordinator. The list is one of the most valuable features of TropNetEurop,

enabling all members to communicate rapidly in an exclusive setting.



b) Monthly Reports

Monthly reports on accumulated and analysed data have been mailed on (almost) monthly basis since April, 1999. Outfit and content of the reports have changed, feedback was overwhelmingly positive. TropNetEurop members receive the reports as WinWord-files which is supposed to make use of the graphics in lectures and presentations easy. Every figure can be copied to any presentation programme (such as PowerPoint) and modified for further use. In the same way as data in the data base are owned by all TropNetEurop members, so are reports and their content. Members can use the material without further permission, yet acknowledgement of the network is encouraged.

Material from monthly reports has been used for presentation of TropNetEurop and its results at conferences:

Posters and Oral presentations were submitted and presented at

- 51st Annual Meeting of ASTMH, Denver, 10-14/11/2002
- 3rd European Congress on Tropical medicine and International Health, Lisbon, 08-12/09/2002
- 8th CISTM, New York, 07-11/05/2003

Recently published material:

- Mühlberger N, Jelinek T, Behrens R, Gjørup I, Coulaud JP, Clerinx J, Puente S, Burchard G, Corachán M, Grobusch MP, Weitzel T, Zoller T, Kollaritsch H, Beran J, Iversen J, Hatz C, Schmid M, Björkmann A, Fleischer K, Bisoffi Z, Guggemos W, Knobloch J, Matteelli A, Schulze MH, Laferl H, Kapaun A, McWhinney P, Lopez-Velez R, Fätkenheuer G, Kern P, Zieger BW, Kotlowski A, Fry G, Cuadros J, Myrvang B, for the TropNetEurop and SIMPID Surveillance Networks. Age as a Risk Factor for Severe Manifestations of Falciparum Malaria in Non-immune Patients – Observations from TropNetEurop- and SIMPID-Surveillance Data. *Clin Infect Dis* 36 (2003) 990-995.
- Grobusch MP, Bollmann R, Schönberg A, Slevogt H, Garcia V, Teichmann D, Jelinek T, Flick H, Bergmann F, Rosseau S, Temmesfeld-Wollbrück B, Suttrop N. Leptospirosis in travelers returning from the Dominican Republic. *J Travel Med* 10 (2003) 55-57.
- Grobusch MP, Mühlberger N, Jelinek T, Bisoffi Z, Corachán M, Harms G, Matteelli A, Fry G, Hatz C, Gjørup I, Schmid M, Knobloch J, Puente S, Bronner U, Kapaun A, Clerinx J, Nielsen LN, Fleischer K, Beran J, da Cunha S, Schulze M, Myrvang B, Hellgren U, for the European Network on Surveillance of Imported Infectious Diseases (TropNetEurop). Imported Schistosomiasis in Europe: Sentinel Surveillance Data from TropNetEurop. *J Travel Med* 10 (2003) 164-169.
- Jelinek T, Peyerl-Hoffmann G, Mühlberger N, Wichmann O, Wilhelm M, Schmider N, Grobusch MP, von Sonnenburg F, Corachán M, Hatz C, Harms G, Laferl H, McWhinney P, Schulze M, Kollaritsch H, da Cunha S, Bezan J, Kern P, Gjørup I, Cuadros J, for TropNetEurop. Molecular surveillance of drug resistance through imported isolates of *Plasmodium falciparum* in Europe: sentinel data from TropNetEurop. *Malaria J* 1 (2002) 11.
- Jelinek T, Mühlberger N, Harms G, Corachán M, Grobusch MP, Knobloch J, Björkmann A, Laferl H, Kapaun A, Bisoffi Z, Clerinx J, Puente S, Fry G, Schulze M, Hellgren U, Gjørup I, Bezan J, Hatz C, Matteelli A, Schmid M, Nielsen LN, da Cunha S, Atougia J, Myrvang B, Fleischer K; for TropNetEurop. Imported dengue fever in Europe: sentinel surveillance data from TropNetEurop. *Clin Infect Dis* 35 (2002) 1047-1052.

Material in preparation:

- Mühlberger et al. Vivax malaria
- Jelinek et al. Imported falciparum malaria and cytochrome b mutations

c) The Web Site

The TropNetEurop web site can be accessed by everybody at www.tropnet.net. The site provides basic information on the network and its members, offers contacts to the coordinator and the members and informs about recent reports and “sentinel events”. A password protected area for members only gives access to all reports of TropNetEurop. We do not monitor access numbers to the web site, but feedback has been predominantly positive. The award-winning site has been created by Clemens Schulte and is now managed by Nikolai Mühlberger.

