

 Content archived on 2024-05-27



# Innovative tools and strategies for surveillance and control of dengue

## Fact Sheet

### Project Information

#### DengueTools

Grant agreement ID: 282589

Project closed

#### Start date

1 September 2011

#### End date

30 April 2016

#### Funded under

Specific Programme "Cooperation": Health

#### Total cost

€ 7 351 194,51

#### EU contribution

€ 5 606 488,00

#### Coordinated by

UMEA UNIVERSITET

 Sweden

## Objective

Current surveillance systems and control efforts are clearly insufficient to combat dengue in endemic countries and to prevent spread to previously uninfected areas (including Europe). We will focus on the following aspects of the call: better diagnosis, surveillance, prevention as well as prediction and/or prevention of the spread of Dengue fever to previously uninfected regions (including Europe) in the context of climate change. We will develop a rapid diagnostic assay for resource limited settings that can be used as point-of-care, is portable, provides rapid results and is inexpensive. Novel tools for vector monitoring will be tested. We propose to develop a comprehensive, early warning, laboratory-based sentinel surveillance

system that integrates clinical, entomological, environmental, socio-economic, and weather/climate indices to evaluate predictive capability for epidemic dengue. The aim is to translate this information directly into improved tools for surveillance (early diagnostic assays, early warning systems and predictive models, risk maps, improved tools for vector surveillance). Furthermore, we will test the impact of a novel community-based strategy on the reduction of dengue incidence in school aged children. Lastly, the integrated information on trends of importation of dengue, global mobility patterns, and vector distribution under changing climate conditions will improve our current understanding of the risk of introduction into previously uninfected areas, in particular Europe. Web based predictive tools, models and maps will be produced. The information will be disseminated to relevant agencies, academia and policy makers and will translate into improved surveillance and control.

## Fields of science (EuroSciVoc)

[natural sciences](#) > [earth and related environmental sciences](#) > [atmospheric sciences](#) > [climatology](#) > [climatic changes](#)



## Programme(s)

[FP7-HEALTH - Specific Programme "Cooperation": Health](#)

## Topic(s)

[HEALTH.2011.2.3.3-2 - Comprehensive control of Dengue fever under changing climatic conditions](#)

## Call for proposal

FP7-HEALTH-2011-single-stage

[See other projects for this call](#)

## Funding Scheme

[CP-FP-SICA - Small/medium-scale focused research project for specific cooperation actions dedicated to international cooperation partner countries\(SICA\)](#).

# Coordinator



## UMEA UNIVERSITET

EU contribution

€ 1 466 424,00

Total cost

No data

Address

UNIVERSITETOMRADET

901 87 Umea

 Sweden 

Region

Norra Sverige > Övre Norrland > Västerbottens län

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

## Participants (13)



## MINISTRY OF HEALTH AND NUTRITION

 Sri Lanka

EU contribution

€ 854 711,52

Address

DE SARAM PLACE

10 COLOMBO 

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

Total cost

No data



**TWISTDX LIMITED**

 United Kingdom

EU contribution

€ 58 602,00

Address

**VICTORIA STREET FAULKNER HOUSE**  
**AL1 3SE ST ALBANS** 

Activity type

**Private for-profit entities (excluding Higher or Secondary Education Establishments)**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



**UNIVERSITY OF MALAYA**

 Malaysia

EU contribution

€ 301 112,69

Address

**LEMBAH PANTAI**  
**50603 Kuala Lumpur** 

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



**Oxitec Limited**

United Kingdom

EU contribution

€ 400 107,20

Address

Miton park 71  
OX14 4RX Oxford

Region

South East (England) > Berkshire, Buckinghamshire and Oxfordshire > Oxfordshire

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



**MAHIDOL UNIVERSITY**

Thailand

EU contribution

€ 539 942,00

Address

RATCHAWITHI ROAD 420/6  
10400 Bangkok

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data

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## LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE ROYAL CHARTER

 United Kingdom

EU contribution

€ 205 996,80

Address

**KEPPEL STREET**  
**WC1E 7HT London** 

Region

**London > Inner London — West > Camden and City of London**

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data

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## SCHWEIZERISCHES TROPEN UND PUBLIC HEALTH INSTITUT

 Switzerland

EU contribution

€ 282 170,40

Address

**KREUZSTRASSE 2**  
**4123 Allschwil** 

Region

**Schweiz/Suisse/Svizzera > Nordwestschweiz > Basel-Landschaft**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

Total cost

No data



INSTITUT PASTEUR

 France

EU contribution

€ 184 472,00

Address

RUE DU DOCTEUR ROUX 25-28  
75724 Paris 

Region

Ile-de-France > Ile-de-France > Hauts-de-Seine

Activity type

Research Organisations

Links

- [Contact the organisation](#) 
- [Website](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

No data



UNIVERSITATSKLINIKUM HEIDELBERG

 Germany

EU contribution

€ 549 810,80

Address

IM NEUENHEIMER FELD 672  
69120 Heidelberg 

Region

Baden-Württemberg > Karlsruhe > Heidelberg, Stadtkreis

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



NATIONAL UNIVERSITY OF SINGAPORE PUBLIC COMPANY LIMITED BY  
GUARANTEE

 Singapore

EU contribution

€ 306 006,99

Address

LOWER KENT RIDGE ROAD 21  
119077 Singapore 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



INSTITUTO DE SALUD CARLOS III

 Spain

EU contribution

€ 229 802,40

Address

MONFORTE DE LEMOS 5  
28029 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



Entente interdepartementale pour la demoustication du littoral méditerranéen

France

EU contribution

€ 195 156,00

Address

avenue Paul-Rimbaud 165  
34184 Montpellier Cedex 4

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



FUNDACAO DE APOIO A UNIVERSIDADE DE SAO PAULO

Brazil

EU contribution

€ 32 173,20

Address

AVENIDA AFRANIO PEIXOTO 4  
05507 000 Sao Paulo

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

**No data**

**Last update:** 11 April 2016

**Permalink:** <https://cordis.europa.eu/project/id/282589>

European Union, 2025