

# First Meeting of the Management Committee of **COST Action CA17108**

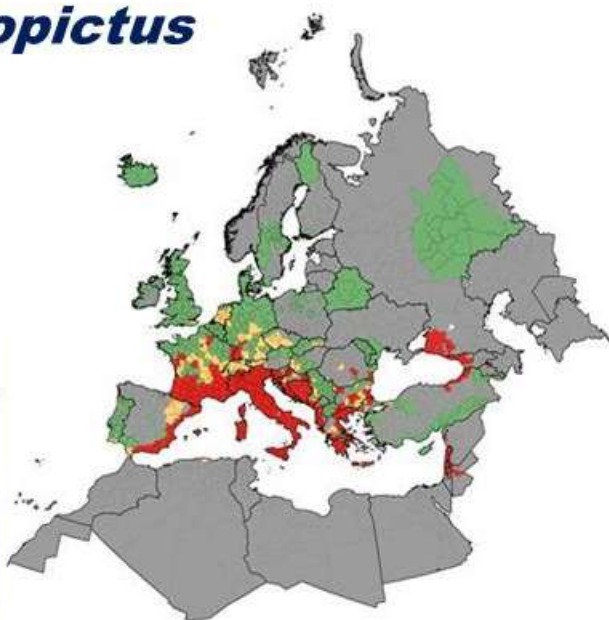


**Brussels**  
September 6<sup>th</sup>, 2018

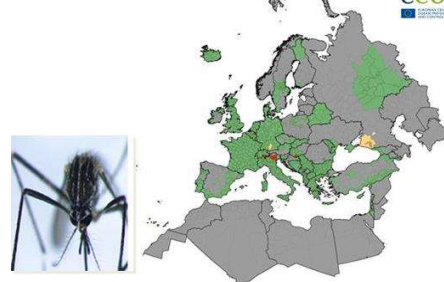
# WHY?



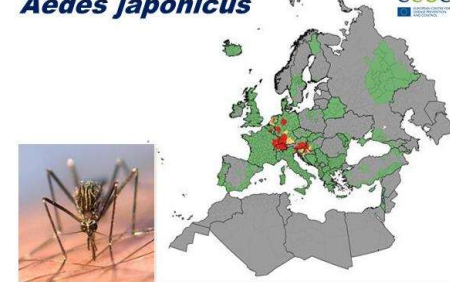
## *Aedes albopictus*



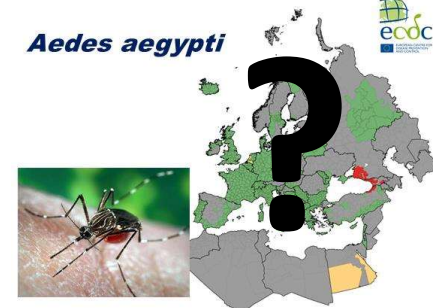
## *Aedes koreicus*



## *Aedes japonicus*



## *Aedes aegypti*





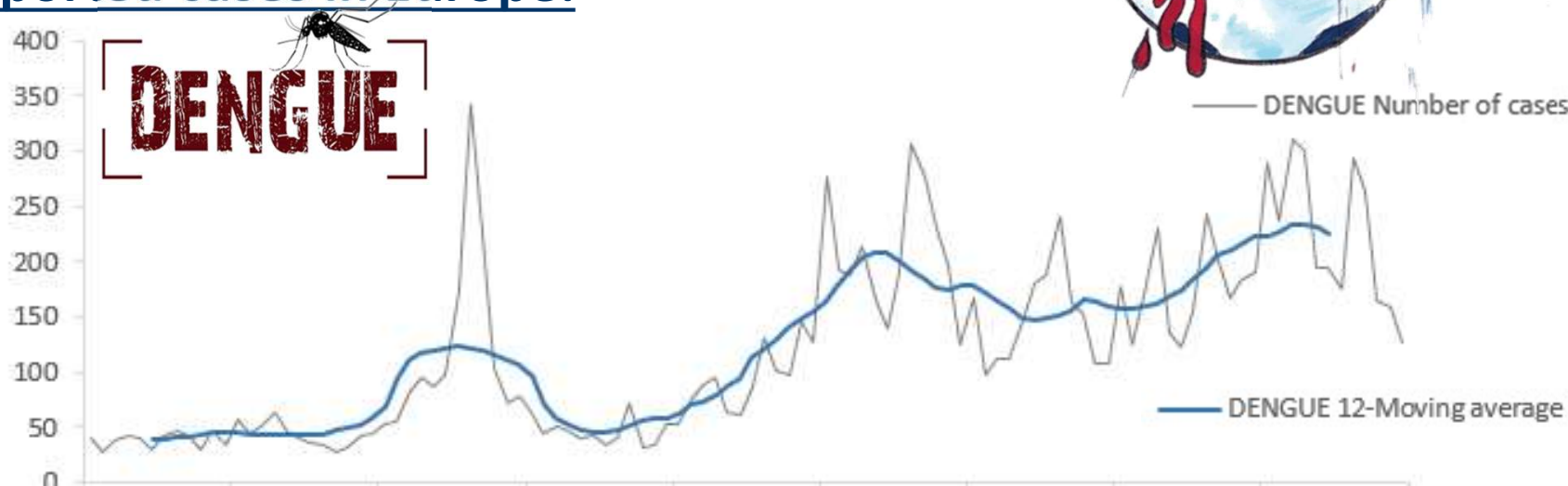


# WHY?

## PUBLIC HEALTH



### Imported cases in Europe:



2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

### Autochthonous cases in Europe:

France (2)  
Croatia (15)

Madeira (2164)  
France (1)  
France (4)  
France (6)

# WHY?

## PUBLIC HEALTH

### Imported cases in Europe:



2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

Italy  
(>200)

France  
(2)

France  
(11)

Italy (>500)  
France (11)

Autochthonous cases in Europe



# The CHALLENGES

- Different timing of invasion/colonization across Europe, creating different levels of expertise at country level
- Lack of harmonisation of monitoring/surveillance approaches and need of more cost-effective ones
- Lack of cost-effective control methods
- Need of multidisciplinary expertise (e.g. entomological, epidemiological, environmental, climatic, demographic, mathematical, statistical, computational, sociological)
- Weak linkage between academics, public health professionals and policy-makers at the national and international level
- Weak integration of private sector
- Uninformed and weakly engaged civil society
- Lack of a transboundary network of partners integrating all these expertise and stakeholder groups

# OBJECTIVES

**AIM-Cost Action intends to develop synergies between scientists, decision-makers, productive sector and civil society necessary to harmonise and rationalise sustainable approaches - both conventional and novel – for the surveillance, control, analysis and dissemination across Europe and beyond.**

## HOW?

**1**

**By creating a Pan-European multidisciplinary network of scientists with common background on AIM bionomics, surveillance and control to identify and develop innovative research concepts and ideas and to promote the implementation of optimised/innovative monitoring/control campaigns projects in synergy with European Organizations (e.g. ECDC, EU-WHO, European Citizen Science Association)**

# OBJECTIVES

**AIM-Cost Action intends to develop synergies between scientists, decision-makers, productive sector and civil society necessary to harmonise and rationalise sustainable approaches - both conventional and novel – for the surveillance, control, analysis and dissemination across Europe and beyond.**

## HOW?

**2**

**By nurturing a new generation of medical entomologists with inter-disciplinary expertise on AIM related activities and international collaborative perspectives, and able to maintain & improve expertise and capacity to prevent or control AIMs and related health risks in Europe and beyond.**



# OBJECTIVES

**AIM-Cost Action intends to develop synergies between scientists, decision-makers, productive sector and civil society necessary to harmonise and rationalise sustainable approaches - both conventional and novel – for the surveillance, control, analysis and dissemination across Europe and beyond.**

## HOW?

**3**

**By creating a synergistic relationship between scientists private companies, citizen scientists and decision-makers across Europe and beyond for the implementation of best practices and innovative tools in local AIM and EAIMBV surveillance/monitoring and control campaigns in order to overcome present fragmentation in knowledge and interventions and eventually improve health and well-being in Europe and beyond.**

# OBJECTIVES

**AIM-Cost Action intends to develop synergies between scientists, decision-makers, productive sector and civil society necessary to harmonise and rationalise sustainable approaches - both conventional and novel – for the surveillance, control, analysis and dissemination across Europe and beyond.**

## HOW?

**4**

**By raising public awareness of AIMS, related health risks and control options** to obtain a more informed consensus on preventive Citizen Science community-based interventions, as well as on possible innovative control approaches to be implemented under different epidemiological scenarios

# OBJECTIVES

**AIM-Cost Action intends to develop synergies between scientists, decision-makers, productive sector and civil society necessary to harmonise and rationalise sustainable approaches - both conventional and novel – for the surveillance, control, analysis and dissemination across Europe and beyond.**

## HOW?

**5**

**By jointly refining, optimizing, customising and delivering guidelines and protocols for AIM surveillance/ monitoring/ control in conjunction with international Agencies (e.g. ECDC, EU-WHO, EMCA) and PH end-users to promote their implementation at national and local scales.**

# WORKING PROGRAMME

**AIM-Cost Action intends to develop synergies between scientists, decision-makers, productive sector and civil society necessary to harmonise and rationalise sustainable approaches - both conventional and novel – for the surveillance, control, analysis and dissemination across Europe and beyond.**



**WG1**  
**MONITORING &  
SURVEILLANCE of  
AIMs and AIM-BVs**

**WG2**  
**CONVENTIONAL  
& INNOVATIVE  
CONTROL TOOLS**

**WG3**  
**DISSEMINATION,  
CUSTOMISATION &  
COMMUNICATION**

# WORKING PROGRAMME WG-1

## MONITORING & SURVEILLANCE of AIMs and AIM-BVs

**Task 1.1 – Review, optimisation and ToK of AIM monitoring & surveillance.**

**Task 1.1a** – Identification of needs and gaps of different sampling protocols, identification methods and national surveillance programs, to refine interventions from inception to assessment and to consolidate and harmonise recommendations

**Task 1.1b** – Promotion of citizen science based approaches of AIM monitoring and surveillance

**Task 1.2 - Integrating surveillance data analysis, spatial modelling & mapping to ensure the quality and applicability of future technical outputs at the European level and beyond.** Assessment of major potential ‘roadblocks’ in the work chain from sampling to dissemination, and provision of a set of guidelines for best practice sampling, modeling and output production.

**DL1.1 - Report/publication on sampling design for monitoring and surveillance of AIMs and EAIMBV (Y3-I)**

**DL1.2 - Publication of best practices for AIM monitoring and surveillance, including Road Map for AIM mapping from data to models (Y4-III)**



# WORKING PROGRAMME WG-2

## CONVENTIONAL and INNOVATIVE CONTROL TOOLS

**Task 2.1 - Review, optimisation of current control options.** Exchanges of information and knowledge to consolidate and harmonise recommendations for optimising methodologies to control AIMS, for each species/geographical context.

**Task 2.2 - Quality evaluation of AIM control operations.** Exchanges of information on national/local experiences and cost-benefit analysis to develop protocols for quality evaluation in different settings.

**Task 2.3 - Innovative vector control tools/New Paradigms.** Assessment of novel experimental AIM control approaches and provision of guidance to the implementation and cost-effectiveness analysis of possible local pilot trials of novel control interventions supported by external funds.

**DL2.1 - Report/publication on conventional and novel AIM control practices in Europe (Y2-IV)**

**DL2.2 - Report on feasibility of scaling-up, cost-benefits and community acceptance of conventional and innovative AIM control approaches (Y4-IV)**

# WORKING PROGRAMME WG-3

## DISSEMINATION, CUSTOMISATION AND COMMUNICATION

**Task 3.1 - Dissemination within the COST-Action network & to scientific external audience. AIM-COST web-site.**

**Task 3.2 – Customisation guidelines for surveillance, control and modelling outputs.**

**Task 3.2a –** Dissemination of surveillance and control guidelines (WG1-2) to stakeholders to solicit feedback and enable appropriate revision

**Task 3.2b –** Customisation and “translation” of technical mapping and modelling outputs for different end-user groups.

**DL3.1 - Web platform and science blog platform (Y1-II)**

**DL3.2 - Report on results from Delphi and specialised questionnaires(Y2-I)**

**DL3.3 - Synthesised feedback with recommendation for customising surveillance, control and modelling guidelines (Y4-III);**

**DL3.4 - Guidelines for customisation of mapped outputs (Y4-IV).**

# Working method organisation & management



# Working method organisation & management

## Other NNC Institutions are asking to join:

- National Center for Disease Control & Public Health, GEORGIA
- Institut Agronomique & Veterinaire, MOROCCO
- Institut Scientifique, MOROCCO
- An-Najah University, PALESTINE

## International organizations

**ECDC, GLOBAL REGIONAL WHO, WHO, EMCA, ECSA, ESOVE, IAEA, OTHERS?**

**Mandate to Action Chair to accept them upon presentation of motivation letter?**



# Strategies for implementing the COST Policy on Excellence and Inclusiveness

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**PARTICIPANTS/PROPOSERS:** perfect gender balance  
and very good inclusiveness of target countries

**LEADING ROLES:** present male bias will be reduced  
after first 2-years by proposing a swift between Deputy  
Task Leaders and Task Leaders.

**ACTIVITIES:** specific regulation will be developed and  
effort will be placed to promote participation of  
participants from ITCs.

**Balanced gender participant and young participation  
will be also promoted.**



# Proposed Action Management structure

**ACTING CHAIR: Alessandra DELLA TORRE (Italy)**

**ACTING DEPUTY VICE-CHAIR: Dusan PETRIC (Serbia)**

CORE GROUP	WG Leader (from MC)
WG1 MONITORING	Francis SCHAFFNER (Switzerland)
WG2 CONTROL	Antonios MICHAELAKIS (Greece)
WG3 DISSEMINATION	Willy WINT (*WEB-MANAGER) (UK)
Short-term scientific mission	Joao PINTO (Portugal)
Training school	Andrei MIHALCA (Romania)
Science communication	Filiz GUNAY (Turkey)



IPR ??

# Proposed Action Management structure

**ACTION COORDINATOR:** Alessandra DELLA TORRE (Italy)

**ACTION DEPUTY COORDINATOR:** Dusan PETRIC (Serbia)

	WG Leader	WG Deputy Leader
<b>WG1 MONITORING</b>	<b>Francis SCHAFFNER</b> (Switzerland)	<b>Miguel Ángel MIRANDA</b> (Spain)
<b>WG2 CONTROL</b>	<b>Antonios MICHAELAKIS</b> (Greece)	<b>Carla SOUSA</b> (Portugal)
<b>WG3 DISSEMINATION</b>	<b>Willy WINT (*WEB-MANAGER)</b> (UK)	<b>Eva VERONESI</b> (Switzerland)
<b>Short-term scientific mission</b>	<b>Joao PINTO</b> (Portugal)	<b>Marie PICARD</b> (France)
<b>Training school</b>	<b>Andrei Mihalca</b> (Romania)	<b>Bulent ALTEN</b> (Turkey)
<b>Science communication</b>	<b>Filiz GUNAY</b> (Turkey)	?



# **Proposed WG** **Management structure**

## **WG1 - MONITORING & SURVEILLANCE of AIMS and EAIMBVs**

**WG1 COORDINATOR:** Francis SCHAFFNER (Switzerland)

**WG1 DEPUTY COORDINATOR:** Miguel Ángel MIRANDA (Spain)

	Objective	Task Leader	Task Deputy Leader
Task 1.1a	Review, optimisation and ToK of AIM monitoring and surveillance	Miguel Ángel MIRANDA (Spain)	Enkelejda DIKOLLI (Albania)
Task 1.1b	Citizen Science	Frederic BARTUMEUS (Spain)	Helge KAMPEN (Germany)
Task 1.2	Integrating surveillance data analysis, spatial modelling & mapping	Els DUCHEYNE (Belgium)	Willy WINT (UK)





# Proposed WG Management structure

## WG3 - DISSEMINATION, CUSTOMISATION AND COMMUNICATION

**WG3 COORDINATOR:** Willy WINT (UK)

**WG3 DEPUTY COORDINATOR:** Eva VERONESI (Switzerland)

	Objective	Task Leader	Task Deputy Leader
Task 3.1	Dissemination within the COST-Action network & to scientific external audience	Jolyon MEDLOCK (UK)	Thanas GOGA (Albania)
Task 3.2a	Customisation of surveillance and control guidelines	Eva VERONESI (Switzerland)	Frédéric JOURDAIN (France)
Task 3.2b	Customisation of mapping and modelling outputs	Willy WINT (UK)	Sophie VAN (Belgium)





## Proposed WG Management structure

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**Everybody will have to choose a primary WG to which contribute and, if willing, a secondary one**

**Proposition for additional deputy leaders are welcome!**

### ACTIONS PROPOSED:

#### - MC, AC and WG-meeting schedule (Feb 2019):

WHO?	Day-1 PM	Day-2 AM	Day 2 PM	Day 3 AM	Day 3 PM
	MC Committee WG-meeting	WG-meeting	Introduction Other Project *	WG-reports	Planning for Y2
MC members	X	X	X	X	X
WG leaders Task leaders (and deputies)	X	X	X	X	X
WG members		X	X	X	X
Participants			X	X	X

\*only 4 invited speakers  
from outside of AIM-COST

### **Proposed activities:**

#### **ACTIVITY (7-months)**

**MC + AC + WG Meetings (3 days, feb 18?)**

**Core group/Task Meetings (30 days x 15 p)**

**STSMs (3)**

**Dissemination Meetings (max 2)**

**ITC conference grants for ECIs (max 2)**

**Web-site**

**Other**

# IMPLEMENTATION PLANNING

## 1<sup>ST</sup> Grant Period: Oct 18-Apr 19

### Proposed activities and budget planning :

ACTIVITY (7-months)	BUDGET= 110,000€
MC + AC + WG Meetings (3 days, feb 18?)	62% (80 people)
Core group/Task Meetings (30 days x 15 p)	8%
STSMs (3)	5%
Dissemination Meetings (max 2)	3%
ITC conference grants for ECIs (max 2)	3%
Web-site	2%
Other	2%
Overheads	15%
<b>TOTAL</b>	<b>110,000 €</b>

Mandate to  
Core Group  
for 15% flexibility  
with no MC vote??



### Grant Period Goals, WG tasks and deliverables:

**WG1- 1<sup>st</sup> GOAL:** Critical review and cost benefit analysis of different approaches implemented across Europe for AIM surveillance/monitoring, experimental design, data recording, statistical treatment of the results, spatial modelling mapping and identification of needs for harmonization and optimal exploitation (*ML1.1: Year 2-Trimester III; DEL1.1: Year 2-Trimester III*) **No DEL and ML in year-1**

**WG2- 1<sup>st</sup> GOAL:** Systematic mapping of conventional and novel AIM control practices (*ML2.1: Y2-II; DEL2.1: Y2-IV*) **No DEL and ML in year-1**

**WG3- 1<sup>st</sup> GOAL:** Website (**ML3.1: Y1-I; DEL3.1: Y1-II**)  
**2<sup>nd</sup> GOAL:** Delphi and specialised questionnaires designed, tested and distributed (*ML3.2: Y1-IV; DEL3.2: Y2-I*)



# Proposed WG Management structure

## WG3 - DISSEMINATION, CUSTOMISATION AND COMMUNICATION

Dissemination within the COST-Action network & to scientific and external audience.  
Focus on External groups, as Science Communication Activities will focus on Science

Customisation of guidelines  
*for each defined user group:*

surveillance/control  
modelling outputs

A Workshop to ask users

What information they want  
How information is best disseminated

STSM

Prepare Guidelines  
Present to Users

Delphi Questionnaires to Users

Discuss first draft at First Meeting in Feb 2019  
Links to Citizen Science

Training School

USING models and maps  
Translating the Science

# **IMPLEMENTATION PLANNING**

## **1<sup>ST</sup> Grant Period: Oct 18-Apr 19**

### **Dissemination strategy/ planning:**

#### **Main task period 1: Questionnaires for 1<sup>st</sup> AM**

Required Outcome:

Dissemination requirements for

Surveillance Guidelines

Control Guidelines

Distribution Maps

#### **TASK GROUP Meeting before First Annual meeting**

Who are the Users other than  
the Science Community?

Agencies

National Institutions

European Citizen Science Association (ECSA)

Industry


the Public

How to customise outputs for each User group

? Involve Users in Design

What are question groups: ?? what do you know, what do you use, output design??

### **OR promote awareness rather than specify design?**



## All Partners are encouraged to propose a LOGO!!!

[Home](#) [The Action](#) [The Network](#) [Events & News](#) [Publications](#) [Contact us](#)

### Action Plan Summary

In tropical areas, Aedes mosquitos cause >100m symptomatic cases/year of viral diseases, such as dengue, yellow fever, chikungunya and Zika, and thousands of deaths. With increasing trade and travel, several Aedes species have been introduced into Europe and are now spreading spectacularly rapidly becoming a widespread significant public health risk which needs to be effectively addressed, as testified by recent cases of autochthonous chikungunya and dengue transmission.

[Read more](#)

### The Challenge

The surveillance and control of Aedes albopictus and other Aedes Invasive Mosquito (AIM) species and the management of the risk of introduction and spread of Exotic Invasive Aedes Mosquito Borne Viruses (EAIMBV; e.g. dengue, DENV; yellow fever, YFV; chikungunya, CHIKV; Japanese encephalitis, JEV, and ZIKAV) in Europe require multidisciplinary research, cost-effective conventional/innovative methods, strong linkage between academics, public health (PH) professionals and policy-makers at the National and international level, as well as more a integrated private sector and a better informed and aware society.

[Read more](#)

#### Events & News

- MC kick-off meeting 6th Sept, Brussels

#### Useful Documents

- Action Fact sheet
- Memorandum of Understanding
- AIM-COST final proposal

#### Useful Links

- [www.cost.eu](http://www.cost.eu)
- CA17108 on cost.eu

### **Questions?**

**If no other questions, let's group according to WGs, and:**

- **Discuss about WG content**
- **Propose other deputy leaders**
- **Discuss and propose activities from now to end of January**
- **Discuss and define possible goals for first WG task meeting**
- **Discuss and propose 1 possible STSM**
- **(Training Schools and IPR to be discussed in AC)**