Harmonised protocol AIM 2020.

Dr. M.A. Miranda. University Balearic Islands (Spain)

Aedes invasive mosquito species in Europe

Aedes aegypti

Aedes albopictus

Aedes atropalpus

Aedes japonicus

Aedes koreicus

Aedes triseriatus (eradicated)

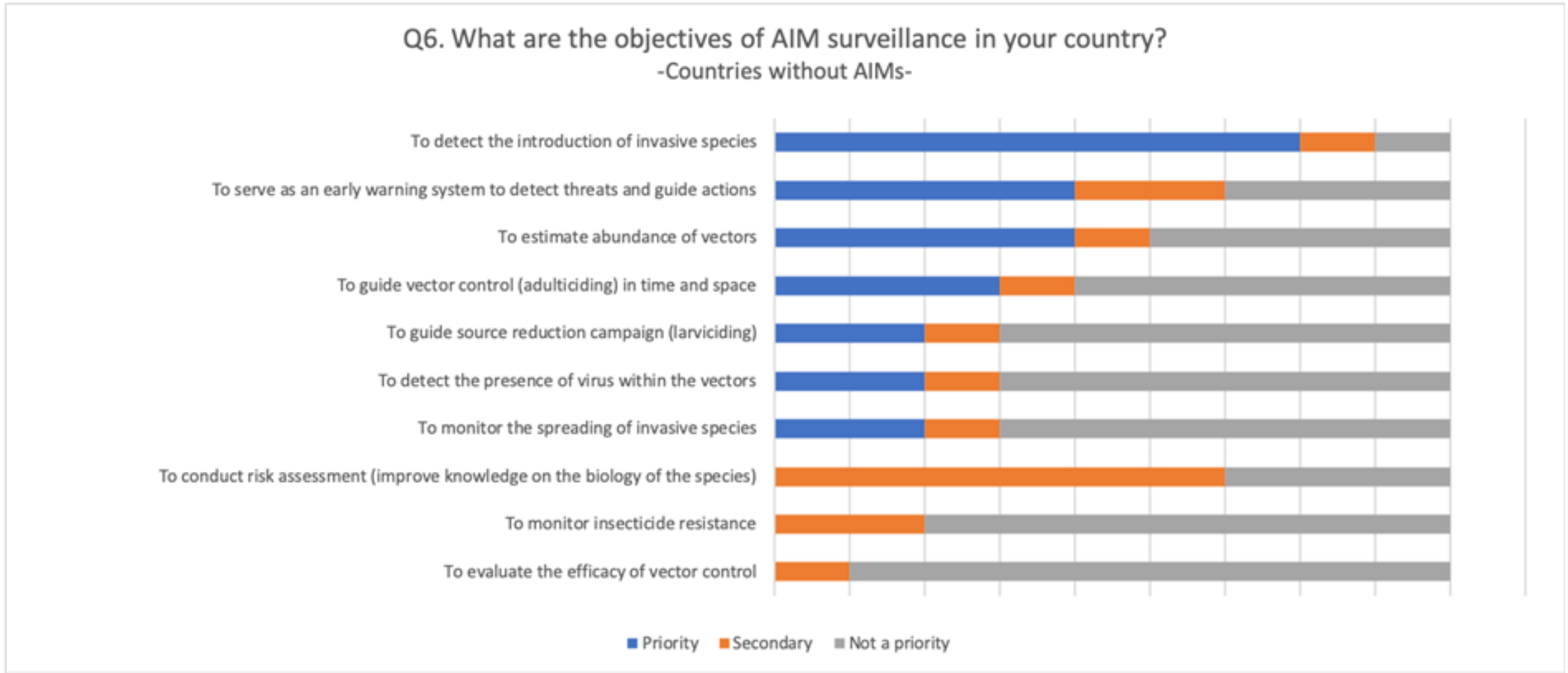
WG1 MONITORING & SURVEILLANCE of AIMs.

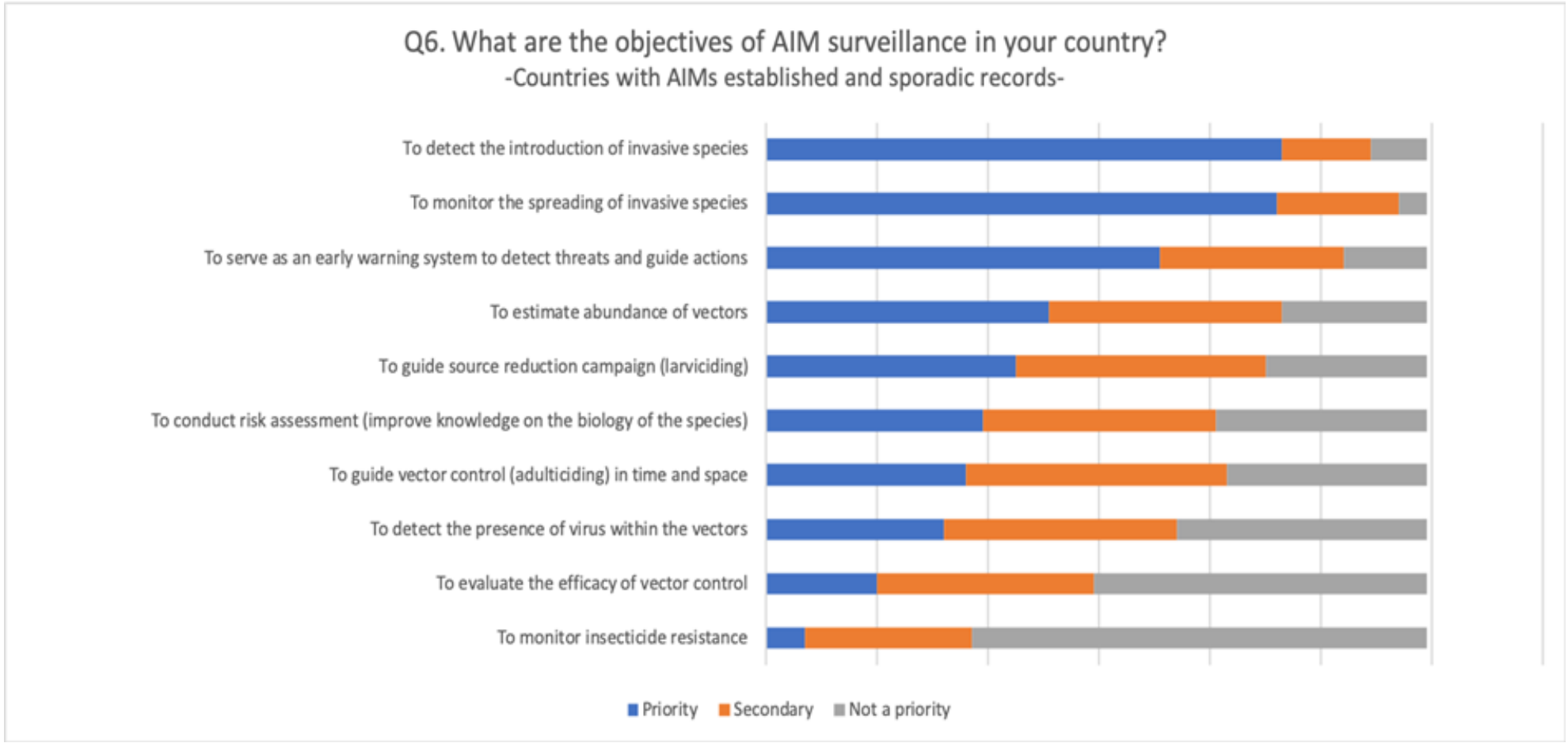
- To facilitate the ToK to researchers and stakeholders and to promote data sharing and harmonization to assure comparable outputs in terms of AIMs surveillance.

- One of the activities was to develop a Questionnaire (AIM Cost Athens and EMCA La Rochelle meetings).

- The Questionnaire aimed to obtain information about the monitoring and surveillance activities conducted at European level.

- Including a list of Guidelines used for M&S


Q6. What are the objectives of AIM surveillance in your country?
-Countries without AIMs-
To detect the introduction of invasive species
To serve as an early warning system to detect threats and guide actions
To estimate abundance of vectors
To guide vector control (adulticiding) in time and space
To guide source reduction campaign (larviciding)
To detect the presence of virus within the vectors
To monitor the spreading of invasive species
To conduct risk assessment (improve knowledge on the biology of the species)
To monitor insecticide resistance
To evaluate the efficacy of vector control
Priority
Secondary
Not a priority


Q6. What are the objectives of AIM surveillance in your country?
-Countries with AIMs established and sporadic records-
To detect the introduction of invasive species
To monitor the spreading of invasive species
To serve as an early warning system to detect threats and guide actions
To estimate abundance of vectors
To guide source reduction campaign (larviciding)
To conduct risk assessment (improve knowledge on the biology of the species)
To guide vector control (adulticiding) in time and space
To detect the presence of virus within the vectors
To evaluate the efficacy of vector control
To monitor insecticide resistance
Priority
Secondary
Not a priority

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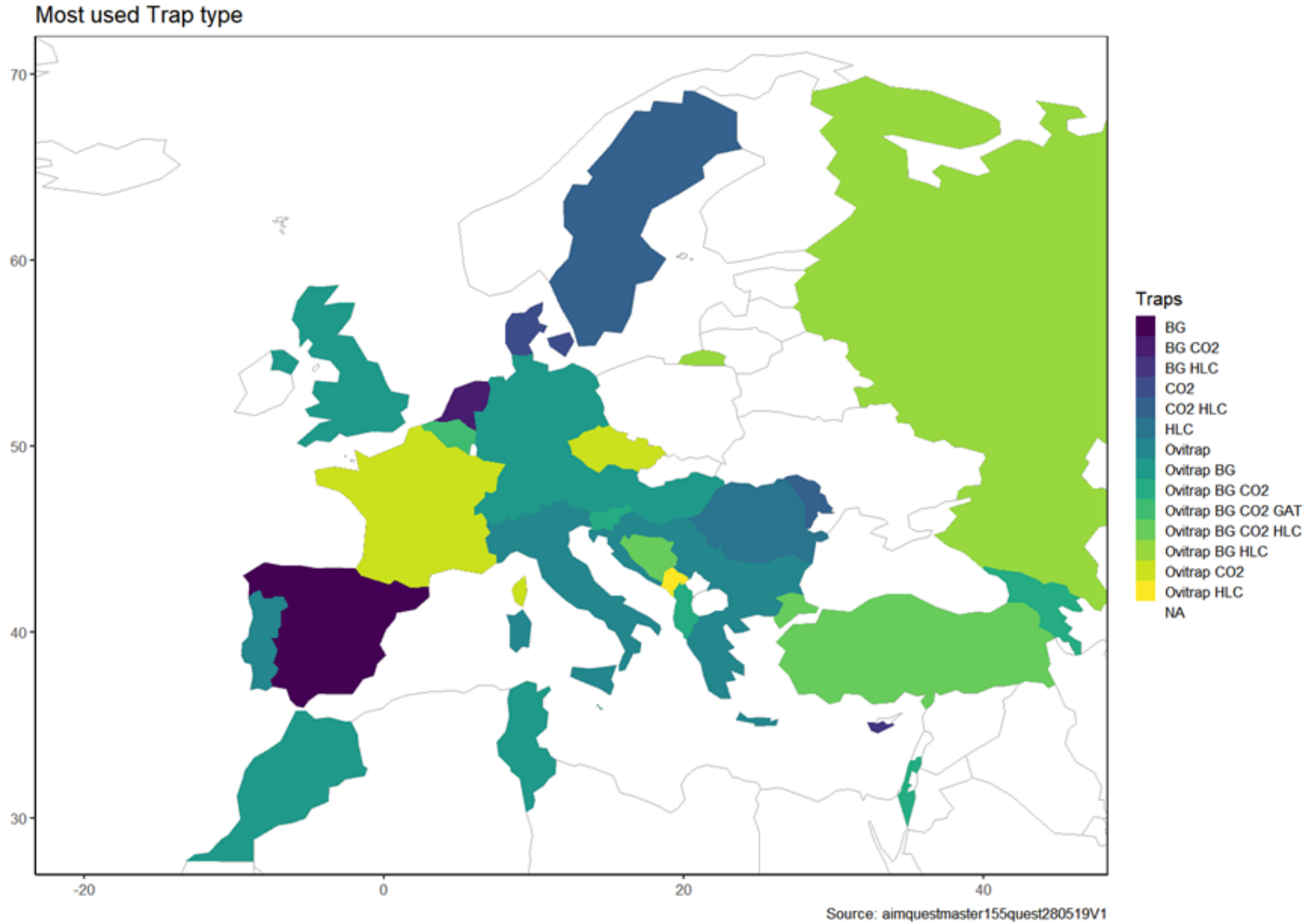
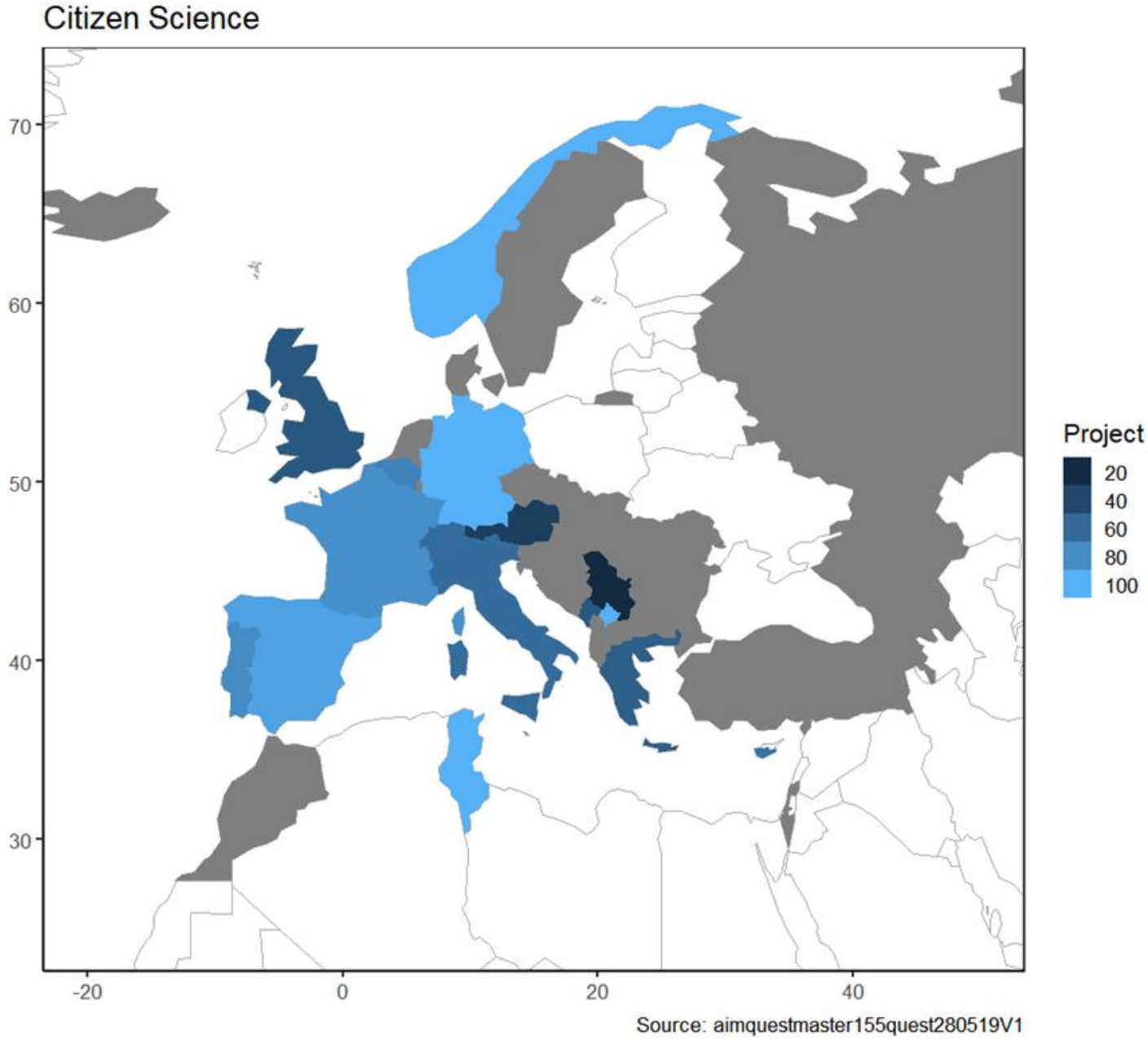
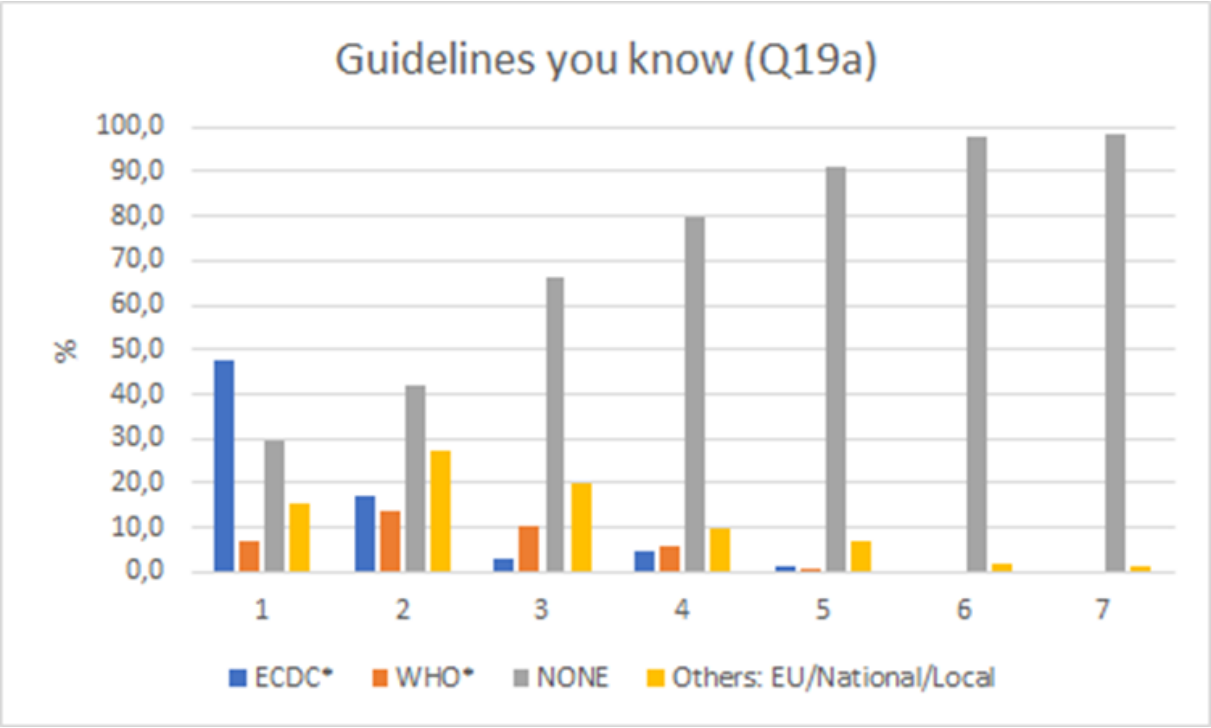
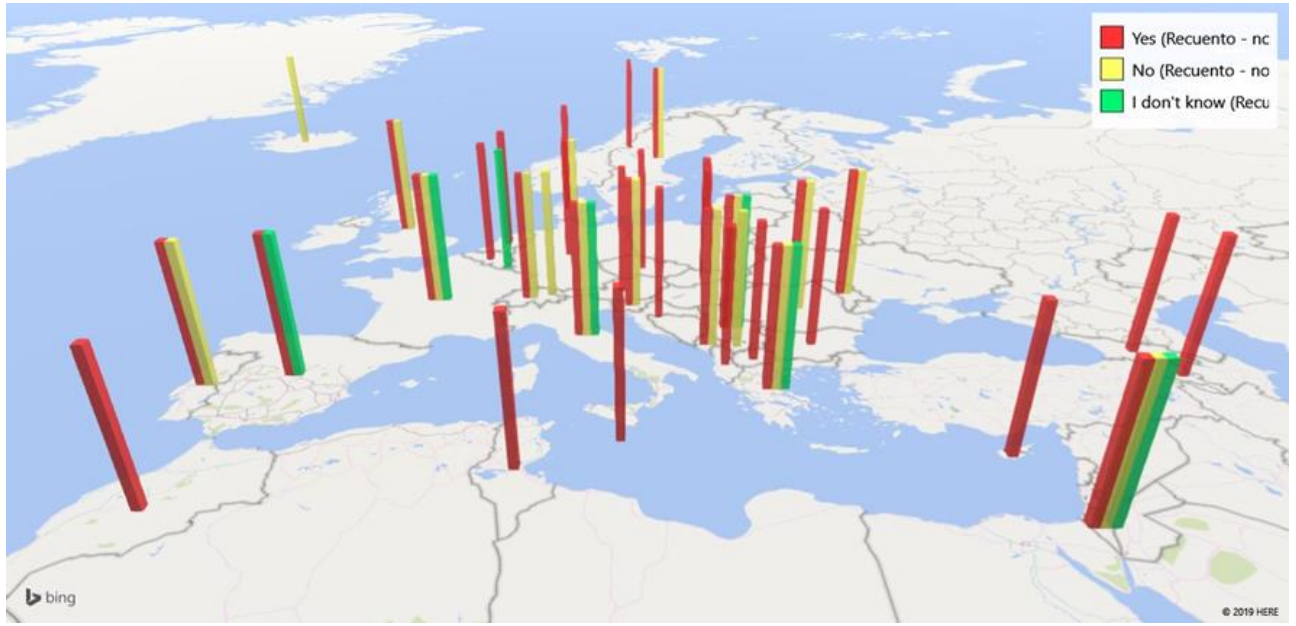

Most used Trap type
70
60
50
40
30
-20
0
20
40
Traps
BG
BG CO2
BG HLC
CO2
CO2 HLC
HLC
Ovitrap
Ovitrap BG
Ovitrap BG CO2
Ovitrap BG CO2 GAT
Ovitrap BG CO2 HLC
Ovitrap BG HLC
Ovitrap CO2
Ovitrap HLC
NA
Source: aimquestmaster155quest280519V1


Citizen Science
70
60
50
40
30
-20
0
20
40
Project
20
40
60
80
100
Source: aimquestmaster155quest280519V1

19a. Are you aware of or using any of the existing guidelines for mosquito SURVEILLANCE/CONTROL?: Monitoring or Surveillance





Activities for 2020

- AIM COST has developed a protocol to be used in 2020 in order to harmonize surveillance among the participants.
- Contribution to the 2020 AIM Surveillance is open to any participant.
- Will be discussed during the week.
- Presented and finalized on Friday.

Harmonised surveillance of Aedes Invasive Mosquitoes (AIMs) throughout 2020 season.

Main objective:

To conduct surveillance activities of AIM species in different countries in order to provide data sets that can be comparable thanks to the use of harmonised methods, equipment, time and frequency of sampling, as well as in reporting of results.

To contribute to a harmonised continental overview of the AIMs species in Europe and the Mediterranean Basin by combining results from different geographical locations for drawing distribution, abundance and seasonality maps including by modelling.