

## Agenda (Updated)

**IMAAC (COST Action CA16227)**

**Lisbon Events (7.-9. March 2022)**

### **Hybrid Final Member Committee Meeting (Final MCM), Hybrid Final General Scientific Meeting (Final GSM) and Hybrid Final Core Group Meeting (Final CGM) (7.-9. March 2022)**

Organized Locally by QuanTec GmbH, IMAAC-*next* and COLD Group

#### Venue :

**SANA Metropolitan Hotel (Room Madrid A)**

Rua Soeiro Pereira Gomes, parcela 2, 1600-198 Lisboa – Portugal

#### Online Link:

<https://videoconf-colibri.zoom.us/j/82945085671>

In case of Technical Problems, Pls. ask **Markus Schwehm** ([markus.schwehm@explosys.de](mailto:markus.schwehm@explosys.de)) or **Detlef Wabnitz** ([detlef.wabnitz@jawa-owm.de](mailto:detlef.wabnitz@jawa-owm.de)).

#### General Description and Output:

##### *Description:*

*This Final MC Meeting will be the only MCM in the final Grant Period GP5. This meeting is close to the final Training School in the Action “4. Training School on Optimal Control Theory and Mosquito Control Strategies: Mathematical Modelling in Epidemiology and Control”. A report of the STSM-coordinator and Communication Officer is expected during this gathering. In this MC Meeting the new developments of the 6 WGs will be presented by WGLs and discussed. The new developments of the official IMAAC-website of the Action will be presented and discussed. We also use the meeting to discuss the maintenance of the official website IMAAC.eu after the end of the Action. The Final Core Group meeting consisting of WG-leaders and main (Grant, STSM and Communication) managers of the Action will discuss the continuation of the activities after the end of the Action. In this fourth and final General Scientific Meeting (4.GSM) the MCs, MC-substitutes and Normal members can present their findings in form of 20minutes presentations OR poster sessions. The Chair and co-Chair present their Scientific Report of the Action for suggestions. We expect that all participants engage in discussion regarding the Scientific Report. Another important aspect is also discussing the progress on putting the “Valença Resolution” into Action. An updated Manifesto is expected from the participant related to mosquito transmitted VBD.*

**Output(s):**

New tasks and targets of each WG will be defined and the organizational structure between the WGs will be presented and re-tuned for the period after the end of the Action. Future Meetings, Training Schools will be discussed with fundings available through IMAAC-next. Short and Long-term objectives of the Action will be re-discussed and adjusted to the new developments of the Action based on scientific results achieved within WGs. Each WG also reports on the "status quo" of research results within the WG. The results of the final 4<sup>th</sup> General Scientific Meeting (4.GSM) and 4.MCM will be published on the official IMAAC-website. The publications and Abstracts will be stored in the Database attached to the IMAAC-website. The Scientific Report will be finalized and discussed with all members. We also discuss how to make our Action more known visible in Europe and attract more interested scientists, companies and politicians even after the end of the Action. Concrete mathematical models translating the achieved results in GP1, GP2, GP3 and GP4 is also expected. The discussions during the meetings will result probably in publications in scientific journals and will be also publicized on our website. Future activities of WGs will be coordinated and discussed during the meetings.

## 1. Day

### CORE GROUP MEETING (CGM)

**Monday 7. March 2022 from 09.30 to 13.00**

**Morning**

SANA Metropolitan Hotel (Room Madrid A)

❖ **9:30 – 10:00**                      **Registration** (Mrs Karen de Souza <kakahecf@hotmail.com>)

SANA Metropolitan Hotel (Room Madrid A)

**10:00 - 10:15**                      **Peyman Ghaffari**  
**Ana Marija Grancaric**

**Introductory Remarks to the final CGM**

**10:15 - 10:30**                      **Markus Scwehm, Russell Alpizar**  
**Urszula Skwara, Aliah T. Gill**  
**What is next with IMAAC and IMAAC-next? Remarks on IMAAC Special Hybrid Working Group in Fuerteventura, Puerto del Rosario, Spain (1.-2. March 2022)**

**10:30 - 11:00**                      **Dorota Mozyrska (WG1), Cristiana Silva (WGL2), Cleo Anastassopoulou (WG3), Christian Fischer (WG4), Elton Rogozi (WGL5), Markus Schwehm (WGL6), Sofia Rodriguez (Science Communication Coordinator), Tatjana Atanasova – Pachemska (STSM-Coordinator)**

**Brief Report on the Working Groups: What is next?**

SANA Metropolitan Hotel (Room Madrid A)

❖ **11:00 – 11:30**                      **Tea Break**

SANA Metropolitan Hotel (Room Madrid A)

**11:30 - 12:30** **Open Discussions** (Notes will be taken by Urszula Skwara, Markus Schwehm and Sofia Rodriguez)

**12:30 - 13:00** **Peyman Ghaffari**  
**Ana Marija Grancaric**  
**Sofia Rodriguez**

**Final Remarks to the final CGM and Brief Summarize Remarks**

**END of the Core Group Meeting**

SANA Metropolitan Hotel

❖ **13:00 – 14:30**

**Lunch Break**

SANA Metropolitan Hotel

## 1. Day

### MANAGEMENT COMMITTEE MEETING (MCM)

**Monday 7. March 2022 from 09.30 to 13.00**

#### Afternoon

SANA Metropolitan Hotel (Room Madrid A)

❖ **14:00 – 14:30**

**Registration** (Mrs Karen de Souza <kakahecf@hotmail.com>)

SANA Metropolitan Hotel (Room Madrid A)

**14:30 - 15:00**

**Peyman Ghaffari** (Chair)  
**Ana Marija Grancaric** (co-Chair)

#### **Introductory Remarks on the Final MCM**

- Welcome to participants
- Adoption of Agenda
- Approval of minutes and matters arising of last meeting
- Update from the Action Chair
- a. Status of Action, including participating count
- b. Action budget status

**15:00 – 15:15**

**Ms. Virginia Sanz Sanchez** (Grant Holder Manager)

#### **Grant holder update: Administrative and Financial Aspect of Grant Period**

- Update from the Grant Holder
- Financial Report GP4

**15:15 – 15:30**

**Sofia Rodriguez (Science Communication Coordinator)  
Tatjana Atanasova – Pachemska (STSM-Coordinator)**

**Brief Report and Next Steps**

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❖ **15:30 – 15:45**

**Tea Break**

SANA Metropolitan Hotel (Room Madrid A)

**15:45 – 16:45**

**Open Discussion & Voting**

Follow-up of MoU objectives:

- > Progress report of working groups
- > Scientific planning
  - a) Scientific strategy
  - b) Action Budget Planning
  - c) Long-term planning (including anticipated locations and dates of future activities)
  - d) Dissemination planning (Publications and outreach activities)
  - e) Virtual Networking Support
- > Future of IMAAC-next

**16:45 – 17:00**

**Peyman Ghaffari (Chair)  
Ana Marija Grancaric (co-Chair)**

***Final Remarks on the Final MCM***

***END of the Management Committee Meeting***

❖ **17:00**

**END Day 1**

## 2. Day

### General Scientific Meeting (GSM)

Tuesday 8. March 2022 from 09.30 to 17.00

#### Morning

SANA Metropolitan Hotel (Room Madrid A)

❖ 9:30 – 10:00 Registration (Mrs Karen de Souza)

SANA Metropolitan Hotel (Room Madrid A)

9:30 - 10:00 Peyman Ghaffari  
Ana Marija Grancaric

*Introductory Remarks to the final GSM*

10:00 - 10:30 Bob Kooi  
Modelling dengue epidemic, dynamics and control: an overview

10:30 - 11:00 Alexandar Dimitrov  
Beti Andonovic  
Viktor Andonovic  
Production and Application of Carbon Nanostructures

SANA Metropolitan Hotel (Room Madrid A)

❖ 11:00 – 11:30 Tea Break

SANA Metropolitan Hotel (Room Madrid A)

11:30 - 12:00 Arnoldas Pautienius  
Development of Animal-based Approach to Access the Spatial Prevalence of Tick-Borne Encephalitis Virus

12:00 – 12:30 Amelia Rauter  
Polyphenols, the power of nature towards bioactivity

12:30 – 13:00 Özgür Yildirim  
On the existence and Uniqueness of Weak Solution of the Coupled Sine-Gordon Equations

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❖ 13:00 – 14:00 Lunch Break

SANA Metropolitan Hotel

## Afternoon

SANA Metropolitan Hotel (Room Madrid A)

**14:00 - 14:30** Shalva Weil

*Glocal Aspects of the Femicide Pandemic*

**14:30 - 15:00** Paul KIEKENS

Textiles and Clothing: challenges for an increasingly environmentally demanding world .

**15:00 - 15:30** Baharul Islam

AI-based Automated Mosquito Species Classification from Raw Images/video

SANA Metropolitan Hotel (Room Madrid A)

❖ **15:30 – 16:00** Tea Break

SANA Metropolitan Hotel (Room Madrid A)

**16:00 - 16:30** Ana Marija Grancaric  
Christian Fisher

TBA

**16:30 – 17:00** Dmitry Zaitsev

Modeling virus dynamics by colored Petri nets: Ebola A case study

❖ **17:00** END Day 2

## **8. March 2022 (Evening)**

### Networking & Social Programs

**Sunset Tour at Tejo River (Meeting Point at Sana Metropolitan Hotel 17:30)**

❖ **20:00 – 21:30** Further Discussions, Networking & Social Programs

**Please note Dinner is NOT covered by LOCAL ORGANIZER this time. Everyone has to pay his own dinner and claim via travel reimbursement.**

**Location:** Restaurante D' Bacalhau Expo, Restaurante português em Lisboa  
Rua da Pimenta 45 - Zona Ribeirinha Norte –  
Parque das Nações, Expo Area (Lisbon)  
1990-254 Lisboa (Near Oriente Tube Station -red line)

(In case of Dietary restrictions pls. contact Mrs **Karin Heinroth** <kheinroth98@gmail.com>)

### 3. Day

#### General Scientific Meeting (GSM)

Wednesday 9. March 2022 from 09.30 to 17.15

#### Morning

SANA Metropolitan Hotel (Room Madrid A)

❖ 9:00 – 9:30 **Registration** (Mrs Karen de Souza)

SANA Metropolitan Hotel (Room Madrid A)

**9:30 - 10:00**

Lara Ferrero Gómez  
Elton Rogozi

*Research trial on the repellency efficacy of repellent treated textiles with Aedes aegypti in Cape Verde*

**10:00 - 10:30**

Peter Rashkov

Complexity in modelling epidemic patterns of dengue

**10:30 - 11:00**

Viktor Andonovic

Optimal selection of parameters for production of Multiwall Carbon Nanotubes (MWCNTs) by electrolysis in molten salts using machine learning

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❖ **11:00 – 11:30** **Tea Break**

SANA Metropolitan Hotel (Room Madrid A)

**11:30 - 12:00**

James R. Bozeman

TBA

**12:00 – 12:30**

Asghar Talbalaghi

Overview and update on mosquitoes of northern Italy : New species

**12:30 – 13:00**

Ana Atanasova

TBA

SANA Metropolitan Hotel

❖ **13:00 – 14:00** **Lunch Break**

SANA Metropolitan Hotel

## Afternoon

SANA Metropolitan Hotel (Room Madrid A)

**14:00 - 14:30** Urszula Skwara  
Dorota Mozyrska

*TBA*

**14:30 - 15:00** Beti Andonovic

Mathematical Analysis in the characterization of Experimentally Produced Carbon Nanotubes (CNTs) as Possible Mosquito Repellents

**15:00 - 15:30** Viola Jani

Biological surveillance of *Aedes albopictus* (skuse 1895, Diptera: Culicidae) eggs in Albania during 2018

SANA Metropolitan Hotel (Room Madrid A)

❖ **15:30 – 16:00** Tea Break

SANA Metropolitan Hotel (Room Madrid A)

**16:00 - 16:30** Nikolay D. Zaitsev

Modeling by Petri Nets

**16:30 – 17:00** Blerina Kolgjini  
Ilda Kola

Special finishes to textiles against mosquito bites

**17:00 – 17:15** Peyman Ghaffari (Chair)  
Ana Marija Grancaric (co-Chair)

Final Remarks on the Final GSM

***END of the General Scientific Meeting***

❖ **17:15** **END Day 3**