

## Working Group 2 (WG2)

### End users (One Health)-interdisciplinary approach

#### WG2 leader: Katerina Tiligada

Professor of Pharmacology, Medical School  
National & Kapodistrian University of Athens (EL)  
9.2017 – to date [WG2 co-leader: 11.2014 - 9.2017]  
WG2 co-leader: **Monique Mul** 11.2014 - 9.2017

#### WG2 co-leader: Miroslav Radeski

Animal Hygiene and Environmental Protection  
Faculty of Veterinary Medicine, Skopje, UKIM (MK)  
9.2017 – to date

### Objectives

To develop 'Gold Standards' for PRM control, also confirming the full potential of PRM to poultry and other sectors

### Specific objectives

- Produce guidelines for prevention (leaflets), surveillance and control (chemical/nonchemical) of PRMs produced within the framework of existing 'Hazard Analysis and Critical Control Points' procedures
- Review the economic and social impact of PRMs, and foster further study on PRM in non-avian hosts with medical and veterinary practitioners

## Cross-link questions

- What are the impacts of PRMs on the poultry industry and beyond? (WG1, WG2)
- How can the targeted stakeholders use the findings? (WG1-4)

## Deliverables

- Prevention: checklists to identify the risk factors for introduction and spread of *D. gallinae* in laying hen facilities
- On-farm monitoring protocol
- High Strategic Meeting – One Health Workshop [18-19.04.2016, Amsterdam, NL]
- EAACI Task Force 'Poultry Red Mite Dermatitis' [19.06.2017, Helsinki, FI]
- Preparation and organisation meeting [17.02.2017, Athens, EL]



- COST Action: FA1404
- Meeting Title: ONE HEALTH OVERVIEW OF PRM INFESTATION AND TREATMENT – INTERDISCIPLINARY APPROACH
- Location: Faculty Of Veterinary Medicine, Skopje, FYR Macedonia
- Meeting Type: Workshops/Conferences
- Meeting Dates: from 2018-03-27 08:00:00 to 2018-03-27 18:00:00

*One health: Potential risks for human health associated with Dermanyssus gallinae and dissemination strategies to communicate recommendations to professionals*

Nafsika Palace, Itea - Greece

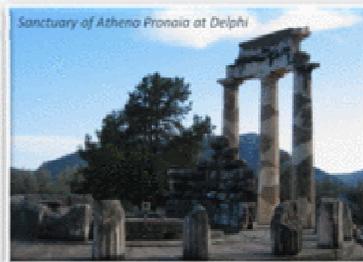
31 July - 3 August 2017

**TRAINERS**

Laurens Severijn Hondema (NL)  
Andriana Kavallari (EL)  
Monique Mul (NL)  
Elias Papadopoulos (EL)  
Katerina Tiligada (EL)

**GUEST LECTURERS (VIA SKYPE)**

George Guibas (UK)  
Thecla AM Hekker (NL)



**PROBLEM-BASED COURSE**

for medical doctors, veterinarians, biomedical researchers, academic and industrial investigators, public and occupational health officers

**TOPICS**

- Characteristics of the poultry red mite (PRM) and related parasites
- Pathological manifestations in humans associated with exposure to PRM and its control measures - Differential diagnosis - PRM diagnostics
- Treatment of PRM-affected individuals
- Dissemination strategies to increase the awareness of professionals on human health risks & regulatory affairs connected to PRM

FURTHER INFORMATION: [www.cost.eu/COST\\_Actions/fa/FA1404?management](http://www.cost.eu/COST_Actions/fa/FA1404?management)  
[www.coremi.eu/about-coremi/cost.html](http://www.coremi.eu/about-coremi/cost.html)

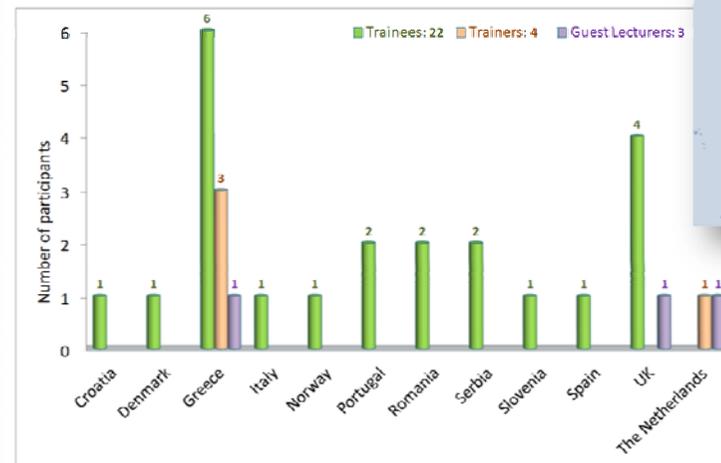
[www.facebook.com/groups/poultryredmite/](https://www.facebook.com/groups/poultryredmite/)

APPLICATIONS TO [aityliga@med.uoa.gr](mailto:aityliga@med.uoa.gr) & [andrikava@hotmail.com](mailto:andrikava@hotmail.com) BY 30 MARCH 2017

## Training School

To bring the study of *D. gallinae* to a multidisciplinary audience under the One Health approach

**29 participants** from **12 countries**  
incl. 8 trainees from 5 ITCs (27.6%)  
mean age 34.3 years; ♀ : ♂ 55% : 44%



Intrinsic weakness: PRM is a cosmopolitan hematophagous ectoparasite of wild, domestic and synanthropic birds presenting serious economic threats to the laying hen sector.

*The contribution of PRM to the 'one health' approach remains ill-defined*

## Training School



### Fields of interest – High quality products

- ✓ Need for preliminary controlled human studies to identify e.g. immunological markers associated with PRM infestation – **Consider grant applications**
- ✓ Expansion of the **COREMI website and social media activities**
- ✓ Establishment of **online case report platform** with app support
- ✓ Production of **leaflets** with increasing levels of detail from poultry farmers to veterinarians and clinicians (*UNDER PREPARATION*)
- ✓ Preparation of a **position paper** emphasising all relevant 'one health' points (*UNDER SUBMISSION*)

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*Thank you*

