



COST ACTION FA1203

Sustainable Management of *Ambrosia artemisiifolia* in Europe (SMARTER)

Training School - Advanced Aerobiology Report

Details

Training School - 8th Advanced Aerobiology Course

Timing of Training School: 16/08/2015 to 22/08/2015

Applicant details:

Jose María Maya Manzano – Spain (jmmaya@unex.es)

Franco Ruggiero – Italy (tambura@hotmail.it)

Claudia Testoni – Italy (claudia.testoni@aslmi1.mi.it)

Manuela Ugolotti – Italy (manuela.ugolotti@gmail.com)

Franziska Zemmer – Tukey (fzemmer@gmail.com)

Host details

Prof. dr. Ingrida Šaulienė (Chairperson of the Organising Committee)

Department of Environmental Research and Physics, Siauliai University, Lithuania

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Purpose of the Training School

Pollen due to their biology can be found in air samples collected far from particular plant areal. Researchers and scientists that are working in field of aerobiology often in the daily work are faced with pollen of invasive plants. Ragweed has increasingly become a major weed in European agriculture this plant is its particularly large production of highly allergenic pollen generating huge medical costs and reduced quality of life among the allergic population. It is important to deepen/update knowledge and to shed new light on issues to do aerobiology more credible. Training school – 8th Advanced Aerobiology Course, focus on applying the up-to-date associated data – mycological, phenological, botanical (with particular focus on ragweed), in aerobiology and on developing the advanced modelling skills using climate/meteo or land use databases. The course combines a variety of lectures and practical sessions (including field work in nature) with the aim to explore and analyse aerobiological data from the different point of view.



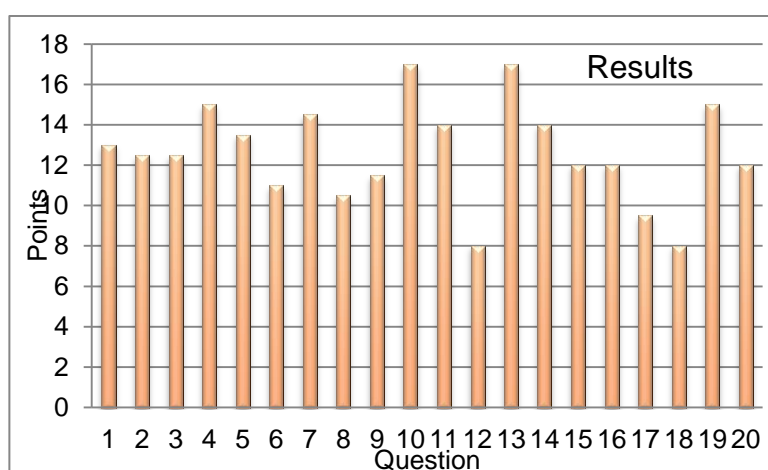
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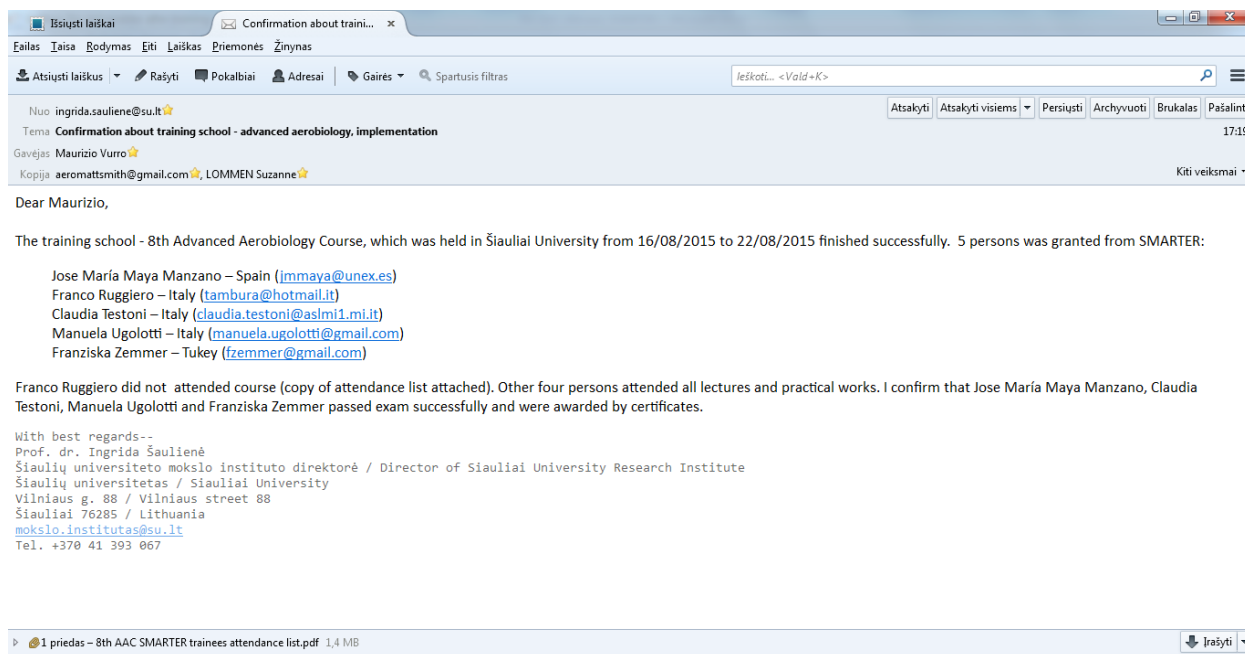
Summary of the Training School implementation

Activities of the courses began in arriving day: procedures, principles, achievements assessment and various organizational aspects were provided for students. The second day started from the welcome speech of Siauliai University vice rector prof. Diana Šaparnienė. All teaching and learning activities were implemented according to course programme. During “Mycology day” participants learned three methods how to assess the presence of airborne moulds indoor. On the “Botany Day” after summarized the novel developments in the field of phenology and invasive plants, field study with invasive plant species research were performed in the “Kurtuvėnai” natural park. Information collected during the field research was used in “Vegetation Day” for modelling procedure, the ecosystem analysis. Lectures and practical work on the effects of pollution on pollen was completed with a visit to the Environmental Protection Agency and the Laboratory of Atmospheric Research to get an insight in air quality measurements and monitoring. The “Climate Day” included research on the effects of pollution on pollen, but the main focus was to climate and weather patterns with pollination. Course was finished by “Data Handling Day” which included participants report on their respective pollen information networks or their aerobiological research and exam of 20 questions for students achievement assessment. The minimum number of correct answers was 12, the average score was 14,85.



The graph indicates amount of correct answers to particular question

Five students were granted from COST action FA1203. Four of them were (Jose María Maya Manzano, Claudia Testoni, Manuela Ugolotti, Franziska Zemmer) participated, passed exam successfully and received certificates. Franco Ruggiero did not take part as a course student.



Applicants' statements about the benefits of the Training School are added in separate files.

The 8th AAC was disseminated (in Lithuanian):

1. http://www.su.lt/index.php?option=com_content&view=article&id=16629:2015-08-13-siauliu-universitete-aerobiologai-is-viso-pasaulio&catid=985&Itemid=17395&lang=lt
2. http://www.su.lt/index.php?option=com_content&view=article&id=16645:siauliu-universitete-aerobiologai-is-viso-pasaulio&catid=761&Itemid=5521&lang=lt&Itemid=5521
3. <https://www.youtube.com/watch?v=KZPTWm2m3qA>
4. <https://www.facebook.com/pages/%C5%A0iauli%C5%B3-universitetas/199641483384707?fref=ts>
5. Šiaulių kraštas, 25/08/2015, <http://skrastas.lt/?data=2015-08-25&rub=1065924821&id=1440435732&pried=2015-08-25>
6. Šiaulių naujienos, 25/08/2015. <http://www.snaujienos.lt/naujienos/bustas/39920-pelsis-kaip-nuo-jo-apsisaugoti-pasakoja-mielis-tibaudonas>
7. <http://www.15min.lt/naujiena/aktualu/sveikata/aerobiologu-konferencija-siauliuose-tikslas-uzkirsti-kelia-alergijoms-541-523880>
8. <http://ekomokslas.lt/home-mokslai-visuomenei/pasauliniai-aerobiologu-kursai/>

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