

## **REPORT ON THE EASOM 2018 SUMMER SCHOOL**

### **- scope, agenda, activities and results -**

#### Background

Croatian Institute for Health Protection and Safety at Work (CIHPSW) was unanimously elected by the General Assembly of EASOM, at Bled (Slovenia), as a full member of EASOM in August 2015. In this regard the Institute strived to actively contribute to the activities of EASOM in teaching and spreading knowledge and skills in the field of occupational medicine. With that regard, Institute proposed to host the 2018 EASOM Summer School in Zagreb, Croatia. Proposed topic represents valuable area for further exploration incorporating interdisciplinarity, having high level of importance not only to occupational medicine specialists, teachers in occupational medicine schools and departments, but also to other experts in the area of occupational health and safety, broader scientific community (like European Cooperation in Science and Technology regarding its projects) and public organisations (like European Network of Safety and Health Professional Organisations - ENSHPO, European Network for Education and Training in Occupational Safety and Health - ENETOSH) and agencies (European Occupational Safety and Health Agency - EUOSHA).

#### Introduction and scope

The Summer school aimed to upgrade skills of occupational medicine specialists in teaching agricultural health and safety as it deals with concepts of educational efficiency, effectiveness and quality - how to design, conduct and evaluate a good quality educational seminar in occupational health and safety with special address of health risks in agriculture.

Agriculture is chosen as a core topic being one of the most hazardous industries in Europe if measured by work-related injuries, illnesses, disabilities and deaths. Studies show great differences in national injury and illness rates, and in approaches for prevention.

Held under this topic the 2018 EASOM Summer School addressed:

- 1) current state in health and safety programmes and approaches on European level,
- 2) identifying effective tools for education and training of agricultural workforce and upgrade skills of occupational medicine specialists in teaching prevention,
- 3) indicators for evaluating effectiveness of provided education

Also, work in agriculture comprises a variety of many open door activities thus providing floor for discussion on occupational UV exposure as one of the major reasons for onset of non-melanoma skin cancers (NMSC) as an increasing group of occupational skin cancers. Non-melanoma skin cancers comprise more than one-third of all cancers and are increasing worldwide, causing a significant economic burden at the individual and community levels. It is estimated that between two and three million people are diagnosed worldwide each year, with an average annual increase of up to 8%. The global incidence rates are expected to continue to rise in the coming years, due to growing exposure to ultraviolet sunlight.

Supported with available data from published research we find a clearly marked open space for upgrading skills of occupational medicine specialists in teaching prevention. So during this EASOM Summer School this topic found its audience in broader scientific community of e-COST Development and Implementation of European Standards on Prevention of Occupational Skin Diseases (StanDerm) and European Network of Safety and Health Professional Organisations (ENSHPO). Under this topic EASOM Summer School 2018 potentiated importance of preventing risks from UV exposure, promoting safety culture by providing focus on behavioural changes achieved through education provided in most suitable and effective way. This topic, displayed and discussed during the 2018 EASOM Summer School 2018 provided upgrade skills of occupational medicine specialists in teaching prevention to target groups of workers with specific needs and higher levels of risk (migrant workers, temporary workers, young people, workers at increased risk because of the sector or job they work in (e.g. agriculture workers) and provided platform for sharing experiences, practical tools and examples of good practices. Finally, this EASOM Summer School, showed a marked area of evaluating effectiveness and quality of education, still open for addressing and upgrading. The role of EASOM is to promote the highest standards of education and training in occupational medicine in Europe through the exchange of knowledge, skills and experience of education and training. Thereof, EASOM as a great community of educators in occupational medicine has had an obligation and an opportunity during this Summer School 2018 to provide the basic foundation for upgrading skills and competences of educators in the field of occupational health and safety. Held under this topic the 2018 EASOM Summer School gave basic information on which steps in every training session are important, necessary information and skills on how to design and conduct a good quality seminar (using some of the innovative techniques), displayed means of good evaluation in terms of efficiency and effectiveness and provided a platform to share the knowhow, experiences and examples of good practice.

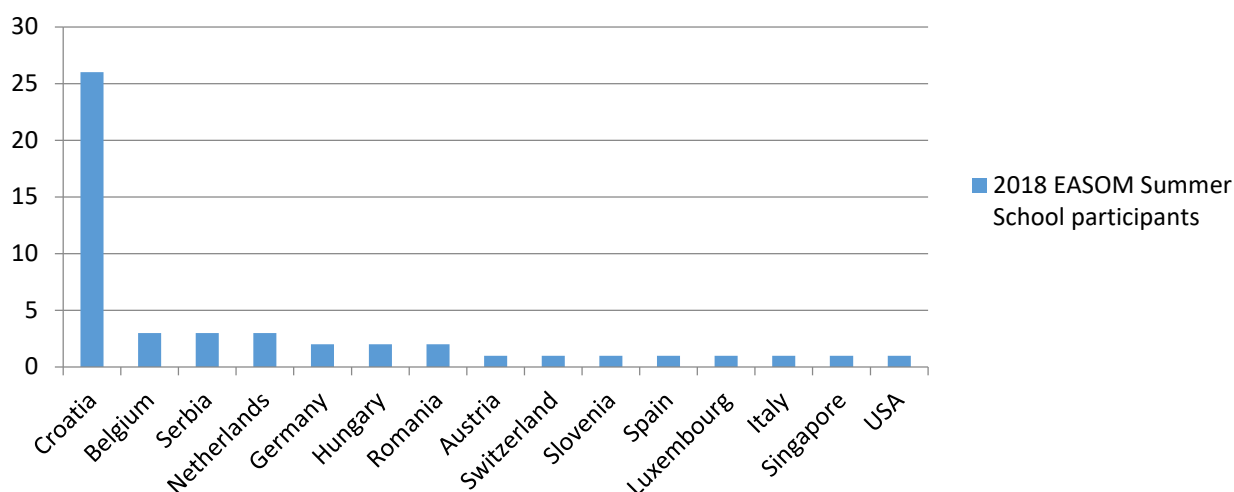
## Agenda

The schedule of the Summer School (in Appendix 1. of this report) provided floor to 17 lectures, three workshops and a World Café. Schedule of lectures explored the topics on importance of exploring health and safety issues with special interest in agriculture, tracking OSH in agricultural education and exploring current projects with educational interventions, addressed important issues in educational interventions, addressing the challenges of design, delivery and evaluation. Three parallel workshops were held under the topic of common aspects of educational design in three cases exploring the design of an educational seminar for farm owners and workers, design of an educational seminar on agricultural safety for OSH experts and design of an educational seminar for physicians/nurses having farmers for patients.

## Participants

2018 EASOM Summer School hosted nearly 50 participants from different parts of Europe. This is the first time in history of Summer School that participants from non – European

countries (Singapore, USA) were invited not only to attend Summer School, but also to share their experiences in education and training as invited speakers.



## Interview session

During opening ceremony invited speakers and hosts were asked for a short interview concerning 2018 Summer School topic and related issues. Questions were related to current problems and challenges in education and training of agricultural workers, OSH experts as well as occupational health specialists. Also, speakers pointed out most important challenges in occupational medicine teaching, health protection of workers, future occupational health development and challenges for occupational medicine specialists in the next decade.

Krunoslav Capak, Director – General of Croatian Institute of Public Health, stressed out non-communicable diseases as one of the main issues in health in general. Being the main cause of morbidity, mortality, invalidity and absenteeism, it is important to do prevention at people's workplaces. Link to the video: <https://youtu.be/fS466MzRINg>

Frank van Dijk from LDOH foundation pointed out that most workers in the world don't have any occupational healthcare at all. In order to solve this problem, there has to be an agenda involving politicians, workers and employers. He also emphasised importance of multidisciplinary approach in occupational health and safety. Link to the video: <https://youtu.be/Vkqr-ceKcGk>

Begoña Martinez-Jarreta from University of Zaragoza accentuated that modern changes in a world of labour, such as new types of work, workers with chronic diseases, problems in recognition of occupational diseases and need for training in occupational medicine for primary physicians, demand special attention in order to preserve healthy working population. Link to the video: <https://youtu.be/2CTgle55jE4>

When it comes to modern challenges, Davide Bosio from University of Turin (ILO ITC) pointed out the importance of effective education and training in future times. Link to the video: <https://youtu.be/0c-bRjzjRCQ>

Milan Milosevic from Andrija Stampar School of Public Health emphasised the importance of teaching new, modern educational topics as well as the need for changes in existing curriculum in occupational health and safety. He also stated that quality basic occupational education and training for all medical professionals in undergraduate study is vital. Link to the video: <https://youtu.be/yNnVhQyRbXI>

At the same time, Lutgart Braeckman from Ghent University pointed out lack of occupational medicine students and decreasing number of university teachers as one of the most important problems in occupational medicine teaching today, along with the need of international collaboration in teaching and future development of occupational health and medicine. Link to the video: <https://youtu.be/6mSAitl5WSg>

Mirjana Kujundzic Tiljak, Director of Andrija Stampar School of Public Health explained current main goals and challenges in leading the School of Public Health as well as in teaching pre-graduate and postgraduate medical professionals. Link to the video: <https://youtu.be/OWVDbTzwyqo>

As the most important challenge in occupational health today Norbert Wagner, assistant professor from Saw Swee Hock School of Public Health, identified “stepping out of a box” for both doctors and schools of occupational medicine. For doctors, it means learning new things and for schools of occupational medicine, teaching not only doctors, but also other experts like engineers, ergonomists and vocational trainers. Link to the video: <https://youtu.be/QW-pQ9nwZ-k>

Agricultural Safety Specialist from NYCAMH, James Carabba, from the practical stand of view, identified 3 main challenges in occupational health and safety in the next 10 years in the USA: First, funding for agricultural safety and health efforts, second, opioid crisis which is striking USA right now and third, mental health support for farmers. Link to the video: <https://youtu.be/9lVF3X9KdVA>

Giso Schmeisser, President of the European Association of Schools in Occupational Medicine, stressed out that organizations like EASOM should assist in communication and exchanging experiences on education and training on a professional level with an increase in occupational knowledge and skills as the main goal. Link to the video: <https://youtu.be/DqDTKajQ4aE>

From the perspective of Marija Bubas, Director of Croatian Institute for Health Protection and Safety at Work, occupational medicine specialists need to get more involved in workplaces of their workers and to work on improving working conditions, positively influencing workability. In that sense, occupational medicine will get more visibility on national health charts in each country. That approach, changing the current routine of occupational medicine specialists, will get the occupational medicine to the place where it belongs, Bubas concluded. Link to the video: <https://youtu.be/FPSgnWeus3o>

## Activities and results

The three workshops aimed to provide answers to the question - what my target group needs to know? Each leader of the group reported on the results.

The overall conclusion was that target groups (farmers and workers, family doctors and safety experts) need different approach. The first problem that needs to be addressed is an attitude issue often encountered in farmers' population showing lack of interest towards health and safety at work. Thus, when teaching safety experts, wise approach is to prepare them for lack of interest into issues of health protection that farmers' might have at the same time trying to lead the conversation in an open way, leaving the possibility to come back for future talks on the subject.





Photos made by Marija Bubas: One of the workshops held during the Summer School

So to tackle this problem, during the Summer School a farm visit was organized aiming to on-site exploration of the health risks and possible consequences farmers meet in everyday work (here partly doing the preparatory work for the next day's workshop after the farm visit) with insight into the specificities of a micro-sized family farm where each member of the family is involved and exposed to health risks.



Photo made by Lutgart Braeckman



Photo made by Zlatko Šarić

James Carrabba inside a tractor explaining safety issues of driving a tractor







Photos made by Marija Bubas

James Carrabba explaining safety issues to a farmer and participants of the Summer School



Photo made by Marija Bubas

One of the workshops held during the Summer School



## World Café report

During the second day, Summer School hosted the activity known as the World Café. The World Café is a process where people come together in a space similar to a café. Participants are split into groups as many as there are questions to be answered. Participants sit at the table. Each table is attended by the host. The role of the host is to maintain lively but focused discussion so that he/she gathers as much as possible ideas and answers on presented question. Series of discussion rounds take place, each lasting approximately 20 minutes. After 20 minutes, participants switch tables. Coming to the next table, they meet the new host and discuss the question presented by the host of the table. The conversation takes place. The questions being explored are different and aimed to address core issues kept important by the organiser.

This years' EASOM Summer School World Café has been focused to improving future work of EASOM community. Conclusions were presented on the last day of the Summer School. Participants discussed four questions: what is the most important point for me over EASOM?; What does my institution or what do I need from EASOM?; what could my institution like to offer, what is its specialty and how can I participate actively?; what would be the future role of EASOM?.

In a nutshell, most answers were about better networking and generally the sharing of teaching-tools, new approaches, new ideas and examples of good practice.

### Question 1: What is the most important point for me over EASOM?

Regarding the EASOM website, the ideas were displayed on inventory of projects and programs EASOM members are organizing or working at, a list of literature personally recommended by EASOM members. Interesting idea emerged to have organized within EASOM an informal network for its members and interested persons to exchange questions and information, especially for those who are not able to attend the summer schools, to provide and facilitate through EASOM exchange of students (and lecturers as well). European exam for OH is to be installed, EASOM could contribute for example by translating and publishing documents. A side-discussion arose about the question if EASOM should include activities for undergraduate students.

### Question 2: What does my institution or what do I need from EASOM?

General remarks after discussion on what a member may need from EASOM is to provide:

- collaboration
- participation in the board
- support to members and networking of members in education and research on education
- attending EASOM Summer schools

Suggestions:

- developing a basic education program that is used in all European countries
  - developing European books on OH
  - developing European exams
  - developing courses, especially on 'new' topics
  - fundraising for these suggestions; collaboration with European Council
  - inviting developers of basic medical education, medical specialists and/or important stakeholders to participate in EASOM Summer schools
  - sharing bad practices as a learning strategy
- (Institute of Brilliant Failures, prof. Dr. Paul Iske, University of Maastricht, School of Business and Economics, specialization 'combinatric innovation'  
[www.umexpert.nl/expert/paul-louis-iske/](http://www.umexpert.nl/expert/paul-louis-iske/))

#### Specific items

##### Belgium:

- participating in EMUTOM
- book on MOOC
- epidemiology
- burn-out

##### Croatia

- multidisciplinary education (medicine, safety, psychology)
- education for stakeholders
- longterm and shortterm education (lectures, seminars, courses)
- stress and psychosocial risk assesment
- safety-issues
- participating in EMUTOM

##### Luxembourg:

- knowledge about OH-risks in different branches

##### Netherlands:

- program on quality assesment of postgraduate education in social medicine (OH, Insurance Medicine, Public Health)
- campaign to attract medical students and young docters to specialize in OH

##### Romania:

- small institution, so choices hhave to be made in what they can do
- link between UEMS and EASOM
- participate in EMUTOM
- network-project/-eearning (developed for their students; good evalution)

##### Slovenia:

- exchange of trainees

- problem solving sessions with stakeholders

Spain:

- research on education
- contacts/link with European Council

US:

- suggests EASOM (Summerschool) to be open for non-European countries/experts

Question 3: What can I or what can my institution offer to EASOM?

Participants suggested:

- collaboration in developing new educational programs and strategies
- sharing good practice examples and experiences in education and training
- collaboration in developing education and research methods and materials

Question 4: Future role of EASOM

The role of EASOM should not be changed in the future, however the way in which EASOM realizes its current role (developing and strengthening the teaching of OM to physicians) needs to be ameliorated and extended to all educational levels and other disciplines. The focus can be put on well-being, and not only health and safety.

To fulfill its role, more institutes and individuals should become member and involved in the activities.

The unique position and role of EASOM should be emphasized and new ways to promote the association should be used.

### Summer school

A face-to-face meeting on an annual basis is needed to build fellowship and brotherhood? Networking and establishing collaboration is important.

At the (official) opening of the SS, a responsible of the present host can present the OHS structure and training programme of the country. These presentations can be collected and put on the website. After some years, we will have a nice overview and examples from several countries which can help in harmonizing the curricula. Interesting examples of multidisciplinary team work can be presented: good and bad examples.

Besides SS, more active events can take place such as webinars. Communication needs to be improved: website and other media

### Website



Make it more active and attractive by including learning tools and material of good quality and tailor made. Especially material on new emerging risks

We can put comments, feedback, quotes of participants and members on the website, so people become curious and interested

Discussion platform: pose questions and receive in an easy and quick manner expert answers

List of the expertise of each member

### Social media

Use Facebook, Instagram, YouTube

Example: professors put short abstracts of new articles and Cochrane reviews on Facebook with link to the full article

### Mobility of teachers and students

Involvements of trainees/residents in SS (of the local host and other countries): idea of scholarships

Exchange visits of teachers and students: mobility grant/Erasmus

### Collaboration

Harmonized curricula, new curricula: collaboration with UEMS (one European exam)

Teaching projects EMUTOM, Virtual patients: members submit a joint proposal

These were developed for medical students; new teaching material for other target groups and disciplines: collaboration with SCETOH and ENETOSH

Idea that EASOM can have a declaration that it is willing to support (teaching projects by supporting members and colleagues with data collection and dissemination and valorization of results. The results of the World Café shall be picked up at the next Board meeting of EASOM and carefully discussed together with plans for the future activities of EASOM.

### General Assembly

Finally, this report covers the General Assembly of the members of the EASOM. Assembly was held on the 23<sup>rd</sup> of September 2018. Few members have had this year their last term to serve as members of the Board.

They were succeeded with the new members elected by voting during the General Assembly. New members of the Board since 23<sup>rd</sup> August 2018 are: Petar Bulat, Lode Goderis, Soile Jungewelter, Marija Bubas. Nicole Majery was elected to serve as the Secretary General. President of EASOM, Giso Schmeisser was succeeded by the new President also elected by voting. For the next four years Begoña Martinez Jarreta will serve as the President of EASOM.

## Appendix 1.

### Agenda of the EASOM Summer School 2018

link to the video of Highlights: <https://youtu.be/bC8px7AQvZQ>

link to the video of the Opening ceremony with speeches: <https://youtu.be/bZlloN74xsl>

### EASOM Summer school 2018

#### Concepts of Educational Efficiency, Effectiveness and Quality – how to design, conduct and evaluate a good quality educational seminar in occupational health and safety

under the auspices of  
Croatian Institute for Health Protection and Safety at Work  
in close collaboration with  
School of Public Health “Andrija Štampar”, University of Zagreb  
and WHO Collaborating Centre for Occupational Health

### Programme

**Wednesday, Aug 22<sup>nd</sup>, 2018**

Venue: School of Public Health “Andrija Štampar”, Rockefellerova 4, Zagreb

Time	
15.00 -17.00	Board meeting Board members and representatives of the CIHPSW as a host of 2018 EASOM Summer school
17.30 -18.30	<b>Opening of the 2018 EASOM Summer School in Zagreb</b> <b>Marija Bubaš</b> , host of the 2018 EASOM Summer school, director, Croatian Institute for Health Protection and Safety at Work <b>Mirjana Kujundžić Tiljak</b> , co-host, director, School of Public Health “Andrija Štampar” <b>Krunoslav Capak</b> , director, Croatian Institute for Public Health <b>Milan Milošević</b> , director, Croatian World Health Organization Collaborating Centre for Occupational Health <b>Giso Schmeisser</b> , president of the European Association of Schools in Occupational Medicine
18.30 -	Informal get together, venue: School of Public Health “Andrija Štampar”

**Thursday, Aug 23<sup>rd</sup>, 2018**

Venue: School of Public Health “Andrija Štampar”, Rockefellerova 4, Zagreb

8.00-8.55 Registration of participants

Time	Title	Presenter	Exploring the topic
9.00 – 9.10	A short intro into this EASOM 2018 Summer school	Marija Bubaš, Croatia, on behalf of the Croatian Institute for Health Protection and Safety at Work	Importance of exploring health and safety issues with special interest in agriculture
9.15- 9.35	Introductory words by EASOM General secretary and EASOM President	Jasminka Godnic Cvar, Austria, EASOM General secretary and Giso Schemisser, Deutschland, EASOM President	
9.40-10.10	Safety issues in agriculture-key note	James Carrabba, USA	
10.15.- 10.45	Old and new emerging occupational diseases in agriculture -key note	Gert van der Laan, Netherlands	
10.50- 11.20	Are we teaching the right things? –key note	Norbert Wagner, Singapore	
11.25- 11.50	Discussion and Coffee break		
11.55- 12.15	Underestimated health exposures and effects: UV skin exposure and outcomes, disseminating knowledge of STANDERM COST Action – key note	Marija Bubaš, Croatia	
12.20- 12.40	UV exposure- basics of measuring and data collection- key note	Krunoslav Mikolašević, Croatia	
12.45- 13.30	Light lunch		
13.35- 14.00	OSH education in current curricula in schools and faculties teaching agriculture	Petar Bulat, Serbia	Tracking OSH in agricultural education and exploring
14.10-	LDOH on-line repository of	Frank van Dijk,	



14.40	educational tools: what’s missing	Netherlands	current projects with educational interventions
14.45-15.10	Priorities in agricultural education - Sharing experiences of AGROSH +	Elena Ana Pauncu, Romania	
15.15-15.35	Discussion		
15.40-16.10	Coffee and ice-cream break		
16.10-16.30	Experiences with projects from the hosting country	Zlatko Šarić, Croatia	
16.35-16.55	Safety culture and risk management in agriculture- SACURIMA COST Action	Gert van der Laan, Netherlands	
17.00-19.00	General Assembly	All	
20.00	Cocktail dinner	All	

### Friday, Aug 24th, 2018

Venue a.m.: School of Public Health “Andrija Štampar”, Rockefellerova 4, Zagreb

Venue p.m.: Family farm “Šimanović” outside Zagreb

Time	Title	Presenter	Exploring the topic
9.30-9.40	A short intro into this EASOM 2018 Summer school second day	Marija Bubaš	Important issues in educational interventions, addressing the challenges of design, delivery and evaluation
9.45-10.30	Designing and delivering an effective educational intervention in agricultural health and safety – important steps in design (considering target audience and health literacy)	James Carrabba, USA	
10.35-11.00	Health education and health literacy	Helena Koren, Croatia- to be confirmed	
11.05-11.25	Coffee break		
11.30-	How to evaluate the quality of	Frank van Dijk,	

12.15	an educational intervention	LDOH, Netherlands	
12.20-12.50	Using real workplaces as a problem-based learning approach	Davide Bosio – ILO ITC Italy	
13.05-15.05	Light lunch and break		
15.10-16.10	<b>World Café*</b>		
16.15-17.00	Journey to the farm outside Zagreb		
17.15-17.30	Refreshment SOS with fresh fruits With words of welcome from the farm owners/rep		
18.10-19.10	Getting to know the health risks and possible consequences farmers meet in everyday work (here partly doing the preparatory work for tomorrow's workshop)	Zlatko Šarić, Sonja Damjanović Dešić, Marija Bubaš with owner of the farm, all	Tour the farm in 3 groups
19.15-19.30	Get together with discussion	All	
19.45-21.45	Dinner on the farm		
22.00	Return to Zagreb		

### Saturday, Aug 25th, 2018

Venue: School of Public Health “Andrija Štampar”, Rockefellerova 4, Zagreb

Time	Title	Presenter	Practical work
9.00-9.10	A short introduction into the third day's schedule	Marija Bubaš	Three parallel workshops: common aspects of educational design in three cases
9.15-10.15	Team work in groups	All	
	Working group 1: Designing an educational seminar for farm owners and workers, what they need to know?	WG1 with team leader- James Carrabba, USA	
	Working group 2: Designing an educational seminar on agricultural safety and risks for OSH experts, what they need to know?	WG2 with team leader- Elena Ana Pauncu, Romania	

	Working group 3: Designing an educational seminar for physicians/nurses having farmworkers for patients - what they need to know?	WG3 with team leader- Davide Bosio, ILO ITC	
10.30-11.00	Presentation of WG results and Guided interactive panel discussion	All	
11.05-11.30	Coffee break		
11.35-12.35	World Café – a short report	All	
12.40-13.10	Wrap up and closing	Giso Schmeisser, Germany	
13.15-14.15	Light lunch		

#### National organizing committee

Marija Bubaš  
Milan Milošević  
Ana Bogadi Šare  
Jasna Krainz  
Tamara Ilić  
Dalia Babić  
Marina Štefanac  
Patricija Janković

#### International scientific committee

Davide Bosio  
Lutgart Braeckman  
Marija Bubaš  
Krunoslav Capak  
James Carrabba  
Sonja Damjanović Dešić  
Frank van Dijk  
Jagoda Doko Jelinić  
Jasminka Godnić Cvar  
Sven Hoffmann  
Nataša Janev Holcer  
Mirjana Kujundžić-Tiljak  
Milan Milošević  
Elena Ana Pauncu  
Giso Schmeisser