Foundation Learning and Developing Occupational Health

Annual Report
2018 and 2019

Contact information

Foundation LDOH - Learning and Developing Occupational Health
Nachtegaallaan 15
2333 XT Leiden, The Netherlands

info@ldoh.net
www.ldoh.net

Tutorial Project. Summer School, Kyrgyzstan 2018

Content

1. The foundation LDOH

- Mission and aims
- Expertise and main activities
- Organization
- Remuneration policy
- Policy plan

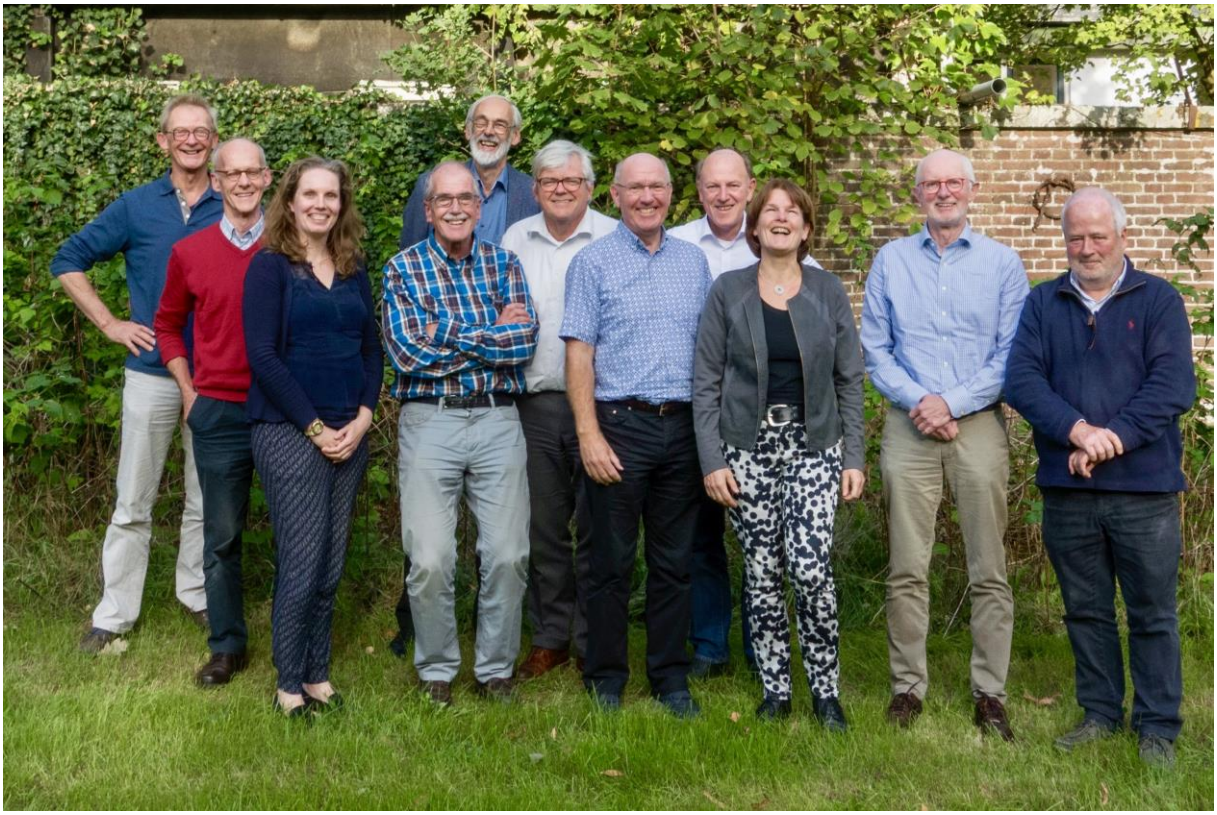
2. Projects, activities and results in 2018 and 2019

- Projects
- Education: Lectures, modules, courses, congresses
- Publications: Articles and books
- Website LDOH
- LDOH organizational adjustments in 2018

3. Financial results 2018 and 2019

Appendix

- Members of the Board, Staff, International Advisory Board
- Publications in 2018 and 2019
- Presentations and congresses/meetings in 2018 and 2019



LDOH Board members, Dutch Staff members and a guest, Annual meeting September 2018

Dutch board member Mieke Lumens (not on the above picture)

International staff member: Yohama Caraballo-Arias (Venezuela, not on the above picture)

1. The foundation LDOH

Mission

The mission of the Learning and Developing Occupational Health Foundation is to support professionals all over the world through developing and disseminating good quality education on Occupational Safety and Health. The final goal is the prevention of losses of lives, health and working capacity of workers, often causing poverty for families and communities. The foundation wants to contribute to meeting the global need for Universal Health Coverage (WHO).

Expertise and main activities

In July 2014, a number of Dutch OSH experts active in international projects, decided to establish a not-for-profit foundation that could benefit from their expertise and that has the ambition to collaborate with OSH experts and practitioners all over the world.

The LDOH experts experience in national and international activities in the OSH field showing leadership in research, development, consultations, education and information. They are mostly working in international teams and have good connections with international organizations such as WHO, ICOH, WONCA, IOHA, ILO, ISSA, ENETOSH, ACOEM and EASOM.[1]

The number of active experts is steadily increasing but is still limited.

LDOH staff has high level expertise in:

1. Occupational and work-related diseases: research, development, health surveillance, international notification and prevention
2. Education and information: evidence-based OSH practice, online OSH information, blended education, organization of international educational projects
3. Primary or community health care activities for workers' health: exchange of country experiences, collaboration between international organizations
4. Occupational health care in agriculture: development of international education and health care projects, online information services

Main activities of LDOH are:

- Development and organization of OSH education and training, inclusive evaluation

[1] World Health Organization; International Commission on Occupational Health; WONCA represents the Family Physicians (global); International Occupational Hygienists Association; International Labor Organization; International Social Security Association; European Network Education and Training in Occupational Safety and Health; American College of Occupational and Environmental Medicine; European Association of Schools of Occupational Medicine

- Consultancy and advisory services for the development of OSH
- Organization of international projects, meetings and collaborations
- Dissemination of good quality online OSH education

Organization

The foundation LDOH has a Board, an International Advisory Board, a managing director, a coordinating project group, and task groups for *Basic Occupational Health in Agriculture, LDOH Online activities* and *Basic Occupational Health Services*. Most activities are performed by staff members who are directly involved in ongoing projects or a project in preparation, or other main activities. It is important to mention that the productivity of the LDOH Foundation relies mainly on the work of staff, mostly working as volunteers. In almost all activities we are working closely together with experts from other organizations, from many countries.

The members of the International Advisory Board were committed with various programs and projects.

The website of the LDOH including the Library of education and the web shop was further improved in the second half of 2019, again with the help of *ideesign+*.

Remuneration policy

The remuneration policy can be found at the LDOH website under *About Us*. Shortened:

1. Board members are not remunerated for their work, nor do they receive attendance fees. They can get reimbursed by the LDOH Foundation for work-related expenses.
2. The LDOH Foundation managing director can receive an honorary fee. The LDOH Foundation can hire staff members. When they receive remuneration, such is based on education and work experience. Director and staff members can get reimbursed for work-related expenses.
3. Volunteers can be compensated for costs they incur on behalf of the Foundation.

Policy plan

In a staff and board meeting in September 2018 we developed a policy plan for the years 2019 and further, inclusive objectives that can serve as focus points for activities and that can be used later for evaluation purposes. More about this in the next chapter. A next evaluative Board and Staff meeting is planned in February 2020.

2. Projects, activities and results in 2018 and 2019

Projects

ESPrIT project in Turkey (2016-2018)

LDOH staff participated in the team of VUmc, in an EU Twinning program called ESPrIT (2016 – 2018), collaborating with TNO, PHIT (Public Health Institute in Turkey) and the University of Ghent (Belgium). To support PHIT in capacity building for Occupational Health research and Occupational Diseases Surveillance, two parallel specific training programs were designed and implemented. The principles of adult learning were applied: goal oriented, practical and problem-centered. Step by step information (20 minutes presentations) was provided on the different phases of a surveillance project respectively a cross-sectional study project. In total 12 interdisciplinary groups worked on a mutual chosen topic. Several research group exchange visits were organized and LDOH staff advised PHIT in their development into an Occupational Disease Intelligence Centre for Turkey. See project website http://www.esprit-ohs.eu/en.

The ESPrIT project is closed in 2018. The program is evaluated by the EU as a very successful program. The closure was at the final congress in Ankara in November 2018. A number of ESPrIT publications are still in the process of being published

Tutorial project in Central Asia and India (2017-2020/2021)

The TUTORIAL project «Strengthening Network for Education, Research and Innovation in Environmental Health in Asia» / TUTORIAL 2017-2020 is sponsored by European Commission ERASMUS Plus program. The main objective is strengthening research capacities in Central Asian countries and India in areas of environmental and occupational health. This objective will be achieved by tuning existing doctoral studies, developing new MSc programs in relevant areas and implementing blended learning approach. Universities from Kyrgyzstan, Kazakhstan, Tajikistan and India are involved together with European Partners: the University of Milan (Italy), coordinator, the Technical University Berlin (Germany) and the University of Tartu (Estonia). LDOH is a full partner in this consortium involved in consultation on the revision of old and mutual development and introduction of new modules in MSc & PhD programs and teaching activities at summer schools in Milano and Berlin in 2017. The next summer school has been held in Kyrgyzstan, Lake Ysyk-Kol, July 2-13, in the summer of 2018. Teachers from Central Asian countries were selected on competition, based on requirements of professional knowledge in areas of public health and B2 level of English language knowledge and skills. The third International days ('summer school') has been held in Tajikistan (Dusjanbe and Khujand) and Kyrgyzstan (Osh), November 22-30 2018. The fourth International days has been held in Kazachstan (Almaty, Karaganda and Semey), May 20-28, 2019. In all the International days LDOH staff was actively involved in giving lectures and workshops, and in giving active ongoing support to the organization and to individual Central-Asian program participants.

In January 2020 the fifth and final International days will be held in India (Gujarat and Kolkata). The closing conference of Tutorial was planned to be held in 2020, April 1-3 in Kyrgyzstan (Bishkek). Due to the pandemic of COVID-19 this conference has been postponed to the beginning of 2021.

All presentations and workshops of LDOH staff members in the context of the Tutorial Project can be found on the LDOH website. (www.ldoh.net)

International days, Khujand, Tajikistan. November 2018

End of school year celebrations at the University of Karaganda, Kazakhstan. May 2019

Safety culture in agriculture project, SACURIMA

LDOH is involved in this EU COST Action which explores reasons why agriculture lags behind other sectors, and why some countries have been successful in reducing agricultural injuries and illnesses. This COST Action on 'Safety Culture and Risk Management in Agriculture' evaluates health and safety programs, identifies knowledge, attitudes, behaviors and priorities. A staff member of LDOH contributes in providing activities, especially in education and training.

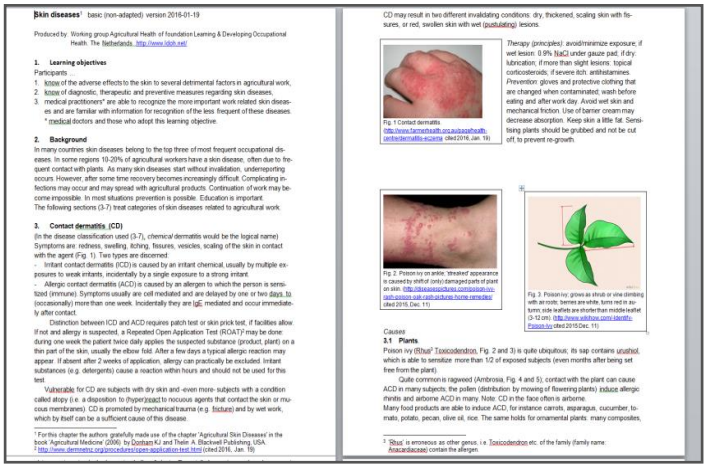
Book OSH online, how to find reliable information

In 2018 and 2019 172 respectively 75 copies of the book 'Occupational Safety and Health, how to find reliable information' (third edition, 2016) were downloaded for free from the LDOH website. In 2018 a translation of the book in Turkish was published, next to the existing ones in English and Spanish, thanks to the invaluable support of Ahmet Özlü (General Directorate of Public Health, ministry of Health, Ankara, Turkey) and Sühendan Adigüzel van Zoelen (TNO Netherlands). In 2018 Jackson-Koku published a positive review of the book in Occupational Medicine (free accessible at: https://academic.oup.com/occmed/ article/68/1/74/4866339), followed by an incredibly positive review in April 2019 in the Journal of Occupational and Environmental Medicine (USA). The LDOH is planning a next revision (fourth edition) of the book in 2020/2021. The book is also used as learning material in the LDOH workshops on 'Finding reliable information', such as in Zagreb, December 2018. A number of universities are using the book for their students such as in Indonesia and Kazachstan.

Presentation How to find reliable information, Turkish version. Ankara, November 2018.

Course Basic Occupational Health Care in Agriculture

A complete set of educational materials is almost ready for a concise course (3-4 days) in basic occupational health care in agriculture for primary health care professionals. These materials include a textbook with 12 chapters (scheduled approx. 70 pages), a teacher's manual with elaborated proposals for classes (that should mainly consist of participants' activities) and a section on teaching skills, further presentations and assignments. The intention is that a local OSH expert team will adopt this course, adapt it to the local conditions and execute and evaluate it, all in collaboration with the LDOH working group.



Primary health care and workers' health

In 2018 and 2019, as before, most LDOH activities concentrated on lecturing and on connecting pioneers in the different countries and continents. In addition we kept trying to interconnect the main international stakeholders WONCA, ICOH, WHO, ISSA and ILO. For that purpose, we organized a successful special session at the global congress of ICOH in 2018 in Dublin with participation of pioneers from Indonesia, Argentine, Netherlands, South Africa, Turkey, India and Thailand. WONCA and ICOH leadership showed commitment. Lectures on this topic were presented in Pretoria (2019) and Munich (2019). Since 2016 we participate in the so-called *Special Interest Group for workers' health* in WONCA.

Basic Occupational Health Services session in ICOH Dublin 2018
Untimanon Orrapan (Thailand), Suvarna Moti (India) and Hanifa Denny (Indonesia).

Online library of education in Occupational Safety and Health

The former Workers-health-education e-library has been completely redesigned and restyled by LDOH in the first half of 2017, with great support of *ideesign+*. The new online *Library of education in OSH* that is located at the LDOH website could start in June 2017. This free-of-charge facility is still in development as many new online lessons and courses have to be collected, selected, described and included. We continued with that in 2018 and 2019. This project is fully based on voluntary work but for some facilities financial means are needed. So, searching for (limited) funds is important. Visit https://library-education-osh.ldoh.net .

Development of e-learning

In 2018 LDOH staff took part in the development of e-learning about 'burnout' (in Dutch) for family physicians (NHG) in The Netherlands. This e-learning is published in 2018, but unfortunately only available for Dutch family physicians. This project was commissioned by the Dutch Association of Occupational Physicians (NVAB). LDOH staff was also involved in the development and implementation of blended learning about burnout for family physicians and their nurse practitioners, at which the e-learning was the online part of the training.

Educational plan for the postgraduate training of occupational physicians

The design and co-writing of an educational plan for the postgraduate training of occupational physicians in the Netherlands was completed in 2016 - 2017. This was a consultancy project for the NVAB (Dutch Association of Occupational Physicians). The educational plan was implemented in 2018 and 2019.

Consultancy project for Department for Occupational Health, Croatian Institute of Public Health

The LDOH foundation and the Croatian Institute for Health Protection and Safety at Work, (Zagreb, Croatia) signed a Cooperation Agreement in November 2018, with the purpose to promote cooperation in occupational safety and health research, development, information and education. In alignment with this Agreement a consultancy project started in the autumn of 2018 and was completed in the beginning of 2019. The title of the final report is "Considerations regarding the future development of the Department for Occupational Health, Croatian Institute of Public Health". The background was the merger of the Croatian Institute for Health Protection and Safety at Work with the Croatian Institute of Public Health in 2019. The major event offered a unique opportunity to consider options for future development.

Education: Lectures, modules, courses, congresses

Courses, lectures and workshops were given by LDOH staff in all corners of the world (see Chapter 4 Appendix). Most presentations were on our core topics: occupational and work-related diseases (diagnosis, notification, registration and surveillance), OSH information and education, primary health care and workers' health, occupational health care, and OSH for agriculture. Developing and giving lectures and workshops is one of the main activities of the LDOH staff.

Tutorial Summerschool in Kyrgyzstan 2018

Publications: Articles in 2018 and 2019

In this period many articles were published with LDOH staff as first author or co-author (see the Appendix for all titles).

The book "OSH online. How to find reliable information" was re-edited and published in November 2016 as the third edition. Yohama Caraballo-Arias and Frank van Dijk are the main authors. In 2018 a Turkish version came available, thanks to the support of the ESPRIT program, the General Directorate of Public Health (ministry of Health, Ankara, Turkey) and Sühendan Adigüzel van Zoelen (TNO Netherlands).

Website www.ldoh.net

The LDOH website has been restyled in 2019. Six major LDOH themes are on the front page of the website now: 1. How to find reliable OSH information, 2. OSH in agriculture, 3. Basic Occupational Health Services, 4. Work-related and occupational diseases, 5. Development of education and 6. Sharing education. There is also a direct possibility to enter the Library of OSH Education and the LDOH shop. The website is an important means of communication.

LDOH: Organizational adjustments

On the annual meeting of the Dutch staff in September 2018 (see the picture on page 4) we decided to change the organizational structure of LDOH. The LDOH is now composed of three task-groups: 1. OSH in agriculture, 2. LDOH online (website, library, book) and 3. Basic Occupational Health Care. We indicated again that the LDOH is mainly an organization of volunteers.

In April 2019 Piet Kroon finished his task as managing director of the foundation. After thanking him for all the work that he has done since the start of the foundation, his tasks were handed over to Ad de Rooij. At the same time Ad de Rooij joined the Board as advisory member.

EASOM congress, August 2018 Zagreb

2.5 day Workshop EBM, December 2018 Zagreb

3. Financial results

FINANCIEEL JAARVERSLAG 2018 (in Dutch)

ACTIVA		
	per 31-12-2018	per 31-12-2017
VASTE ACTIVA		
Materiële vaste activa		
VLOTTENDE ACTIVA		
voorraad		
debiteuren	€ 30.107,50	
Te ontvangen BTW		
Liquide middelen	€ 6.335,41	€ 24.844,62
Overlopende rekeningen		
TOTAAL ACTIVA	**€ 36.442,91**	**€ 24.844,62**

PASSIVA		
	per 31-12-2018	per 31-12-2017
EIGEN VERMOGEN		
Kapitaal	€ 7.274,91	€ 2.534,12
Voorzieningen en uitgestelde belastingen		
Voorziening boek	€ 128,00	€ 1.038,00
Voorzieningen voor Tutorial	€ 17.440,00	€ 21.272,50
Schulden		
kortlopende schulden		
crediteuren	€ 11.600,00	
leverancierskrediet		
Overlopende rekeningen		
TOTAAL PASSIVA	**€ 36.442,91**	**€ 24.844,62**

FINANCIEEL JAARVERSLAG 2019 (in Dutch)

(to be expected)

Appendix

Members of Board, Staff, International Advisory Board

Members of the Board

Marten van Til (chair)
Mieke Lumens (secretary-treasurer)
Teake Pal (member)
Piet Kroon (managing director, advisory member, till April 2019)
Frank van Dijk (chair International Advisory Board, advisory member)
Ad de Rooy (managing director, advisory member, from April 2019)

Members of the staff

Yohama Caraballo-Arias
Frank van Dijk (also chair International Advisory Board)
Piet Kroon (also managing director until April 2019)
Gert van der Laan
Mieke Lumens (also member of the Board)
Marrit van der Meer
Ad de Rooij (also managing director from April 2019)
Paul Smits
Maarten Verberk
André Weel
Peter Buijs

Members of the International Advisory Board

Katja Radon (Munich, Germany)
Claudio Colosio (Milan, Italy)
Roberto Lucchini (Brescia, Italy; New York, USA)
Robert Wagner (Singapore)
René Mendes (Curitiba, Brazil)
Frank van Dijk (Leiden, Netherlands) chair

Publications in 2018 and 2019

Bauleo MF, **Van Dijk F**, Radon K. One's Workplace, Other's Home? Work and Health of Domestic Workers in Argentina. Ann Glob Health. 2018;84:450-458. PMID: 30835387. Free Article. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6748280/

Braeckman L, Venema A, Adigüzel van Zoelen S, Hermans L, De Ridder M, Ergör A, Özlü A, **van der Laan G, van Dijk F**. Development and Evaluation of a Training Program on Occupational Health Research and Surveillance in Turkey. J Occup Environ Med. 2019;61:417-423. PMID:30870397. Not free.

Colosio C, Mandic-Rajcevic S, Godderis L, **van der Laan G**, Hulshof C, **van Dijk F**. Reply. Occup Med (Lond). 2018 27;68:148. PMID: 2959667. Not free.

Guillemin M, Paris C, **van Dijk F.** Work and spirituality. New approaches and ideas. Summary Report of a Special Session at ICOH Congress in Dublin, 2018. ICOH Newsletter December 2018; pg12-16. http://www.icohweb.org/site/pdf-viewer/viewer.asp?newsletter=icoh_newsletter_vol16_no3.pdf

Lucchini RG, McDiarmid M, **Van der Laan G**, Rosen M, Placidi D, Radon K, Ruchirawat M, Kurtz L, Landrigan P. Education and Training: Key Factors in Global Occupational and Environmental Health. Ann Glob Health. 2018;84:436-441. Free Article. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6748229/

Meneses C, Radon K, **Van Dijk F.** Violence at work and mental distress among firefighters in Guatemala. Ann Glob Health. 2018;84:532-537. PMID:30835398. Free Article. https://annalsofglobalhealth.org/articles/10.29024/aogh.2306/

Nuraydın A, Bilek Ö, Kenziman AK, Korkusuz MA, Atagün Aİ, Çakar NÖ, Özer N, Deniz S, Başaralı MK, Özlü A, Sandal A, **Van der Laan G,** Yıldız AN. The Mersin Greenhouse Workers Study. Surveillance of Work-related Skin, Respiratory, and Musculoskeletal Diseases. Ann Glob Health. 2018;84:504-511. PMID: 30835382. Free Article. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6748250/

Radon K, Kurtz L, Carvalho D, Encina V, **van Dijk F**, Meneses C, Garrido MA, Bauleo MF, BriceñoL, Herrera R, Parra M. Project-based training as a tool to tackle occupational health challenges in developing countries. OEM 2018;75 (Suppl 2):A1-A650. Not free.

Sen S, Barlas G, Yakistiran S¸ Derin I, BA Serifi,Özlü A, Braeckman L, **van der Laan G, van Dijk F.** Prevention of Occupational Diseases in Turkey: Deriving Lessons From Journey of Surveillance. Safety and Health at Work 2019; Occupational Diseases in Turkey: Deriving Lessons From Journey of Surveillance. Safety and Health at Work. 2019;4:420-427. Free Article. https://doi.org/10.1016/j.shaw.2019.09.006

Swuste P, **van Dijk F**. (Post)academic Safety and Health Courses, How to Assess Quality? In: P. M. Arezes et al. (eds.), Occupational and Environmental Safety and Health. Studies in Systems, Decision and Control. Volume 202. Springer Nature Switzerland. 2019. Pg 785-790. https://doi.org/10.1007/978-3-030-14730-3_82

Swuste P, v**an Dijk F.** Evaluation of quality of academic safety, health and environment education. Enetosh fact sheet #4. European Network Education and Training in Occupational Safety and Health (ENETOSH). 2018. http://www.enetosh.net/webcom/show_article.php/_c-269/_nr-1/_lkm-211/i.html

van Dijk F, Bubas M. Education in OSH, emerging trends and unmet needs, symposium in Zagreb. ICOH Newsletter April 2018; pg 15-17. http://www.icohweb.org/site/pdf-viewer/viewer.asp?newsletter=icoh_newsletter_vol16_no1.pdf

van Dijk F, Hoving J, Radon K, **Smits P**, Solis-Soto MT, **van der Laan G, Pal T**, Parra M, Paudel D, **Caraballo-Arias Y**. Open access publishing is showing responsibility. ICOH Newsletter April 2018; pg 20-22. http://www.icohweb.org/site/pdf-viewer/viewer.asp?newsletter=icoh_newsletter_vol16_no1.pdf

van der Laan G, Burdorf L. Asbestziektes en -sterftes in Nederland (Asbestos-related diseases and mortality in The Netherlands.) TBV - Tijdschr Bedrijfs- en Verzekeringsgeneeskd (2019) 27: 22. https://doi.org/10.1007/s12498-019-0004-z

van der Laan G..Ziek door stoffen op het werk? (Work-related diseases by exposure to toxic substances?) VOZ Magazine (2019) 13: 25-27

van Valen E, Wekking E, van Hout M, **van der Laan G**, Hageman G, **van Dijk F**, de Boer A, Sprangers M. Chronic solvent-induced encephalopathy: course and prognostic factors of neuropsychological functioning. Int Arch Occup Environ Health. 2018;91:843-858. PMID:29943196. Free Article. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6132664/

Verberk M, van der Laan G, van Dijk F. Occupational Safety and Health in Agriculture needs strengthening. ICOH Newsletter April 2019, pg 19. http://www.icohweb.org/site/pdf-viewer/viewer.asp?newsletter=icoh_newsletter_vol17_no1.pdf

Weel A. Bedrijfsartsen zonder grenzen ('Occupational physicians without borders'). Medisch Contact July 9, 2018. (In Dutch)

Weel A, van der Laan G. Asbest, Jan Stumphius en mesothelioom (Asbestos, Jan Stumphius and mesothelioma). TBV - Tijdschr Bedrijfs- en Verzekeringsgeneeskd (2019) 27: 7. https://doi.org/10.1007/s12498-019-0003-0

Weel A, van der Laan G. Asbest in de polder (Asbestos in the polder). TBV - Tijdschr Bedrijfs- en Verzekeringsgeneeskd (2019) 27: 5. https://doi.org/10.1007/s12498-019-0002-1

Presentations in 2018 and 2019

Occupational and Environmental Diseases Congress. Antalya, Turkey. March 2018
Finding reliable online information on occupational and environmental diseases. **F v Dijk, G vd Laan**. OEDC congress Antalya, March 2018

Research needs and opportunities for education and training in Occupational Safety and Health. **F v Dijk.** ENETOSH. Brighton, UK. April 2018

Scaling up workers' health through Primary Health Care. The Netherlands. **P Smits**. ICOH congress. Dublin, Ireland. April 2018

How to find reliable online information regarding chemical exposure at work? **G vd Laan**, P v Broekhuizen, **F v Dijk.** Belgrade, Serbia. April 2018

Finding reliable background information for medical practice and research. **F v Dijk, Y Caraballo-Arias.** Workshop University of Zaragoza, Spain. May 2018.

Quality of Occupational Health Care, the Netherlands (and UK). **F v Dijk.** LMU university Summerschool. Munich, Germany. May 2018

Evidence-based Medicine (EBM) Workshop, **P Smits, F v Dijk**. BG dagen (Occupational Medicine annual congress). Arnhem, The Netherlands. June 2018

EU Tutorial program Central Asia. Summer School (Building a module for education) in Lake Issyk-Kul, Kyrgystan. July 2018. **Gert van der Laan, Paul Smits and Frank van Dijk**

- Introduction Summer School. G vd Laan, C Colosio
- Bologna Process. EU Institutions. G vd Laan
- Lesson 1: Adult learning and educational design. P. Smits, F v Dijk, G vd Laan
- Lesson 2: Overview, context and learning objectives. P. Smits, F v Dijk, G vd Laan
- Lesson 3: Content and educational format. P Smits
- Lesson 4: Searching for reliable information and education online. F v Dijk, P Smits, G vd Laan
- Lesson 5: Further building of a module. F v Dijk, G vd Laan, P Smits
- Lesson 6: Assessment in a master program. P Smits, F v Dijk, G vd Laan
- Lesson 7: Presenting the work done so far. P Smits, F v Dijk, G vd Laan
- Lesson 8: Principles and Practice of Occupational Health Research. F v Dijk, G vd Laan, P Smits
- Occupational Diseases in Agricultural Workers, an overview. G vd Laan, C Colosio
- Bird watching and Occupational Health Surveillance. Recognition, Vigilance, Prevention. G vd Laan, C Colosio
- Q-fever epidemic in The Netherlands. Lessons Learnt. G vd Laan, C Colosio
- Second week assignment for module development. G vd Laan

European Association of Schools in Occupational Medicine (EASOM) Workshop. Zagreb, Croatia. Aug 2018. **Frank van Dijk**

- How to evaluate quality of educational interventions. F v Dijk. EASOM, Zagreb. Aug 2018
- LDOH e-library on education in OSH, and other sources. Focus: agriculture. F v Dijk. EASOM, Zagreb. Aug 2018

EU Tutorial program Central Asia. Visiting Dushanbe and Khujand (Tajikistan) and Osh (Kyrgyzstan). Nov 2018. **Gert van der Laan and Paul Smits**

- Concept of blended learning, an introduction. Workshop. P Smits, F v Dijk. G vd Laan. Dushanbe. Nov 2018
- How to find reliable online information on chemical exposure and health effects. G vd Laan, P v Broekhuizen, F v Dijk. Dushanbe. Nov 2018
- Practical and scientific evaluation of medical education. P Smits, F v Dijk. Dushanbe. Nov 2018

Workshop. Searching for reliable information online. Department for Occupational Health, Croatian Institute of Public Health. P Smits, F v Dijk. Zagreb, Croatia. Dec 2018. **Frank van Dijk and Paul Smits**

- Workshop 'How to find reliable information online'. Description of the workshop
- Program Workshop 'How to find reliable information online' and other workshop materials
- Lesson 1: Start, objectives and assignment. P Smits, F v Dijk
- Lesson 2: Basics of evidence-based practice. P Smits, F v Dijk
- Lesson 3: PubMed first steps. P Smits, F v Dijk

Lesson 4: PubMed next steps and aggregated evidence. P Smits, F v Dijk
Lesson 5: Other reliable sources of information. P Smits, F v Dijk
` Lesson 6: Quality of search engines, studies, reviews, and other resources. P Smits, F v Dijk
Lesson 7: Knowledge infrastructure. P Smits, F v Dijk
Lesson 8: Presentation of search and results. P Smits, F v Dijk

Occupational and Environmental Diseases Congress. Antalya, Turkey. March 2019. **Gert van der Laan and Frank van Dijk**

Training in Occupational Health information sources and knowledge infrastructure. F v Dijk. OEDC congr. Antalya. March 2019
The rise and fall of Chronic Solvent-induced Encephalopathy in the Netherlands and Finland. G vd Laan, E v Valen, M Saino. OEDC congr. Antalya. March 2019
Occupational Health and Safety in Greenhouses. G v d Laan, C Colosio. Antalya. March 2019

Health systems in OSH. Online information and basic occupational health care. **F v Dijk**. CIH-LMU Occupational Safety and Health symposium. Munich. March 2019

EU Tutorial program Central Asia. Visiting Kazakhstan: Almaty, Karaganda and Semey. May 2019. **Frank van Dijk**

How to find reliable information online. Lecture. F v Dijk, P Smits, G vd Laan. Kazakhstan. May 2019
How to find reliable information online. Workshop. F v Dijk. Kazakhstan. May 2019
Report of the World Café Sessions in three universities in Kazakhstan. F v Dijk. Kazakhstan. May 2019
Practical and scientific evaluation of medical education. F v Dijk, P Smits. Kazakhstan. May 2019

South Africa, Sept 2019. **Frank van Dijk**

Searching online for Occupational Safety and Health information A new knowledge infrastructure for professionals, workers and managers. F v Dijk, Y Caraballo-Arias, P Smits. OSH Africa. Johannesburg. Sept 2019
Health systems in OSH; online information and basic occupational health care. F v Dijk. University of Pretoria. Sept 2019
Workers' Health Surveillance. F v Dijk. University of Pretoria. Sept 2019
How to find reliable information online. F v Dijk, P Smits. University of Pretoria. Sept 2019

Epidemia de la fiebre Q en los Países Bajos, lecciones aprendidas. **Ad de Rooy.** I simposio de Higiene Industrial, Santander, España. Noviembre 2019.

.