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Swedish University of Agricultural Sciences

“Health has a future”

ENASP Conference, September 28/29, 2020. Berlin, Germany

Farm safety stakeholders – time to unite and speak with one strong voice!

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Vice President, IARM (International Association of Rural Health and Medicine)

Chair TC Agriculture, IEA (International Ergonomics Association)



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What about ag health & safety 2020?

Quadbikes in agriculture



- 1) Full-scale tests on the use of ROPS on Quadbikes
 - 50 professional users during a whole year
- 2) Roll-over warning system with alarm
- 3) A new national strategy for Quads

Work safe in agriculture

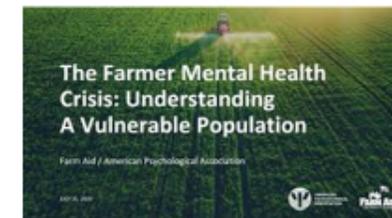
Booklets with drawings (without words) show how to work safe in agriculture. Available as pdf and e-pub, to study in your mobile or your tablet. Great material when communicating with foreign workers.

<https://www.prevent.se/utbildningar-produkter/bocker/jobba-saker-i-lantbruket-e-bok-8f8B8dcf>



Mental health – an important issue

- Weather & climate change
- Financial stress
- Rural crime
- Family issues
- Authorities, regulation
- Animal health



Certification of working conditions

Developing Swedish certification standards for work in agriculture

- An interesting process will lead to a standard and possibilities to be certified as a work place with healthy and safe working conditions
- The work is coordinated by *Sigill Kvalitetssystem* and involves a working group with representatives from the whole food-chain as well as health & safety experts
- The first goal is to include companies with field grown crops which often employs seasonal farm workers, mainly migrant workers.

Rural crime – another health & safety issue





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Research goes on, but what else....

Starting with.....Attitude change

- Both within the European Union (EU) and in individual countries (such as Sweden) there is a lot of reports and strategies developed in order to develop the agricultural sector, but very little is said about the **people** who will do the real job
- In other contexts are both politicians and representatives for agricultural organizations bragging about how many jobs can be created in this industry. But very little is said about the **content of these jobs** or the **people** who will be neededthe next generation and the career changers
- But new jobs in agriculture are often described as "**simple jobs**" for unemployed, refugees and others without specific training or education

Attitude change

- In focus must be issues such as **competence, status and pride** among everyone working in the agricultural sector, but we also need to change our attitudes... both at the **farmers kitchen table** as well as among **politicians** and other **stakeholders**
- **The expression "simple jobs" has to disappear!**
- **Both professional farmers & professional farm workers need higher skills, more education and higher status & pride! !**
- But ...farmers then need to **STOP** having **small children** operating large tractors and other dangerous machines...and posting pictures of them on social media – are jobs in agriculture that simple and safe?
- Why not **encourage** the interest among farm children to grow their own crops with manual tools or taking care of some small farm animals.... to learn & understand?

Attitude change

- In order to have a professional agricultural industry - we need to reconsider the strategy to use **foreign seasonal workers for simple manual work operations**. We should be able to produce our food with our own people, resources and new technology, such as robots and automation.
- We need to make an overview of **career possibilities** for all kinds of professions within the agricultural industry, not only in your own little "sector". The worker on the pig farm could use her skills, also to work in the meat processing industry or why not work in the restaurant kitchen serving the best meat ever.... or the other way around?
- ...and we need to prioritize **health & safety** – this industry with small companies need constant support and professional advice on these issues

Climate change & OHS

- Direct effects (typhoons/storms, floodings, draughts, wildfires)
- Direct consequences: crops, properties (houses, machinery...) destroyed
- Indirect effects on OHS (urgent health & injury risks during events, economical consequences, stress & mental pressure, heat & sun exposure)
- Prevention strategies – adapting to climate change; growing new crops which can handle a warm / dry / wet climate – investments / need for new knowledge / new techniques / machinery...

New technology & OHS

(Artificial intelligence, digitalisation, automation, robotisation...)

- Direct effects: makes agriculture more effective, productive ...
- Direct consequences: could change the structure of agriculture, benefit both small farms and large farms?
- Indirect effects on OHS: could eliminate risky work operations for humans...but **are we introducing new risks?**
- Prevention strategies: increased knowledge / education, pre-evaluation of all new technologies from a health & safety perspective?

OHS & Changing work force

(Aging farmers, less interest among younger generation, changes among migrant worker population)

- Direct effects: it gets harder to find new farmers, the right competence – both the well-educated and the skilled manual workers
- Direct consequences: the agricultural industry will not develop as it needs to do, less production & increased import of food & other products
- Indirect effects on OHS: social & mental pressure on remaining workers & farmers
- Prevention strategies: more attractive to work in agriculture, improved economy for farmers, workers and improved working conditions / new technologies?

OHS & Changing food consumption

(Younger generation have other eating preferences)

- Direct effects: less consumption of animal-related food and increased resistance to large scale animal production
- Direct consequences: less need of animal farms, increased need for plant-based food. Large part of the sector might need to change type of production
- Indirect effects on OHS: increased pressure on farmers with animal production (animal rights activists, negative media...), less zoonoses.....
- Prevention strategies: consumers might still prefer organic products, local production, certified farmers....

International collaboration is important!



Honorary Scientist and
Advisor on Agricultural
Science and Technology at
the Rural Development
Administration (RDA),
Republic of Korea

International collaboration is important!

International Conference on Agromedicine and Tropical Disease

THE 3rd ICATD Virtual Conference
SEPT 12-13 2020
STARTS AT 10.00AM (GMT +7)

INTEGRATED APPROACHES ON PREVENTION, CURATIVE, AND CONTROL OF ZOO NOTIC AND EMERGING DISEASES IN AGRICULTURE FIELD

OUR SPECIAL SPEAKERS

KEYNOTE SPEAKER

Dr. drs. N. P. Irvah Dhanayanti, MSc, PhD
Head of Basic Tetter Production
Veteriner Bogor, Indonesia
representative of Indonesia
Minister of Agriculture

Prof. Susan Alison Brumby, Ph.D.
Deakin University Australia

Prof. Dr. drs. Warren Tamas Ariana
Universitas Gadjah Mada, Indonesia

Dr. Sriwanti, M. Ken, Ph.D., Sp. BA
University of Jember, Indonesia

Falma May D. Tassan, BSc, MPhil
The Pacific College, Philippines

Prof. Peter Lundqvist, Ph.D.
Swedish University of Agricultural Sciences, Sweden

CALLS FOR POSTERS & PAPERS!

Selected papers will be published to SCOPUS indexed journal or SINTA (2-4) indexed journal. Other articles will be published in ISSN proceeding.

Topics:

- Current issue on agricultural health
- Tropical diseases
- Zoonosis
- Emerging diseases
- Herbal medicine
- Epidemiology on tropical diseases and zoonosis

Important Dates

30 August : Abstract Submission Deadline
10 Sept : Poster and Fullpaper Submission Deadline
12-13 Sept : Conference Days

Payment and Registration

Registration form, Guidelines, and Submission:
<http://icatd.fk.unej.ac.id>

Bank transfer:

Account Name : DINI AGUSTINA
Account Number : 039016354
Name of bank : PT BANK NEGARA INDONESIA 46 (Persero) Tbk
Branch : Jember Branch, East Java, Indonesia
Swift code : BNNIDIA

SEMINAR VIA ZOOM

LIVE STREAMING YOUTUBE Fakultas Kedokteran UNEJ

Registration Fee

Conference participant : FREE
Presenter¹⁾ :
- Non-Student IDR 400.000
- Student IDR 200.000
International Presenter :
- Non-Student USD 30
- Student USD 15

GET IN TOUCH

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UNIVERSITAS JEMBER

AGRO MEDIS

FACULTY OF MEDICINE, UNIVERSITY OF JEMBER

VIRTUAL CONFERENCE

FREE REGISTRATION

Farmer Safety in Covid-19 Era

SPEAKERS:

dr. Al Munawir, Ph.D
Head of Agromedicine Commission
Faculty of Medicine, University of Jember
President of IAS (Indonesian Agromedicine Society)

Prof. Peter S.R. Lundqvist, B.Sc, Ph.D
Swedish University of Agricultural Sciences
International Society of Agricultural Safety and Health
Vice President of International Association of Rural Health and Medicine

Dr. Rokhani, S.P., M.Si
Agricultural Extension Study Program
Faculty of Agriculture, University of Jember

REGISTRATION LINK:
<https://bit.ly/SeminarKeselamatanPetani>

FACILITIES:
ACCESS TO ZOOM ROOM
- E-CERTIFICATE

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Further inquiries please contact :
dr. Rosita +62 895 3665 99096

<http://fk.unej.ac.id> [fk.unej](https://www.facebook.com/fk.unej) [Fakultas Kedokteran Unej](https://www.youtube.com/channel/UC...) [Fakultas Kedokteran UNEJ](https://www.youtube.com/channel/UC...)

Less resources for Safety & Health in Agriculture

(In most countries less people are working with ...and less money / resources for these issues in organizations, authorities, education & research)

- Direct effects: less extension, less education, less inspections and less research on health & safety in agriculture might lead to more fatalities, injuries and illnesses.
- Direct consequences: less attractive – less farms & jobs
- Indirect effects on OHS: injuries and illnesses
- Prevention strategies: increase resources and increase national and international collaboration



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About Time to Join Forces within Agricultural Health & Safety!?

Editorial (Revised paper waiting to be accepted, Journal of Agromedicine), by

- ***Peter Lundqvist*** Swedish University of Agricultural Sciences, Alnarp, Sweden
- ***Richard Franklin*** James Cook University, Townsville, Queensland, Australia University
- ***John Shutske*** University of Wisconsin-Madison, WI. USA.
- ***Kyungsuk Lee*** National Institute of Agricultural Sciences, Jeonju, South Korea
- ***Marcos Grigioni*** Agricultural Health and Safety. Rosario, Argentina
- ***Ayman Ekram Fahim*** Suez Canal University, Ismailia Egypt

Ag health & safety - international collaboration is important!

....but, we also need more collaboration between organizations & networks!

Examples of international organizations / networks:

- ISSA (The International Section of the ISSA on Prevention in Agriculture)
- ISASH (International Society of Agricultural Safety and Health)
- IEA (International Ergonomics Association, TC Agriculture)
- IARM (International Association of Rural Health and Medicine)
- ICOH (International Commission on Occupational Health)
- ENASP (European Network of Agricultural Social Protection Systems)
- Nordic network (Nordic Meeting) & Ragusa SHWA network
- SACURIMA (Safety Culture and Risk Management in Agriculture, COST/EU)
- SLU, Sweden & RDA, South Korea (Rural Development Administration) Exchange program
- Collaboration on the labour market... such as EFFAT & Copa-Cogeca...

We need to speak with ONE strong voice – why not start with a joint World Conference:

”The Future of Agriculture and the Future of Health and Safety”