

**ITINERARY FOR SUSAN BRUMBY  
DIRECTOR OF COMMUNITY SERVICES  
WESTERN DISTRICT HEALTH SERVICE HAMILTON (VICTORIA) AUSTRALIA**

Wednesday, May 24, 2006

- 8:30 a.m. Pick up at Hilton Suites
- Driving tour of campus
- Meeting with Bob McKnight, MPH, ScD, Associate Professor of Public Health, Hank Cole, EdD, Professor of Public Health, and Deb Reed, RN, PhD, Associate Professor of Nursing
- 11:30 a.m. Lunch at Ramsey's Restaurant
- After lunch, tour of farm/discussions with Deb Reed
- Return to Hilton Suites in p.m. with dinner on your own

Thursday, May 25, 2006

- 8:40 a.m. Pick up at Hilton Suites
- 9:00 a.m. Meeting with Debbie Murray, Associate Director  
Health Education Extension Leadership Program  
KU Building  
One Quality Street  
Downtown Lexington  
257-2968 ext. 80914
- 10:00 a.m. Pickup at KU Building  
Return to Ag Center
- 10:30 a.m. Meeting with Susan Westneat, MA (Center Data Analyst) and  
Justin Blackburn (MPH student) and Robert McKnight regarding  
data issues on Sustainable Farm project.
- 11:30 a.m. Lunch
- 12:30 p.m. Transport to Montgomery County Health Department  
Meeting with Jan Chamness, Public Health Director  
117 Civic Center (across from Cooperative Extension Office)  
Mt. Sterling, KY  
(859) 498-3808 ext. 242
- Between 3:30 p.m. and 4:00 p.m. Transport from Health Department to Windsor Care  
Nursing Home for a meeting with Mary Ellen McKnight,  
Director of Nursing and tour of nursing home
- Drive to McKnight's house with Mary Ellen for dinner.

Friday, May 26, 2006

- 8:40 a.m. Pickup at Hilton Suites
- 9:00 a.m. Meet with Phyllis Bryden, DrPH, at Ag Center ✓  
Discuss pesticide surveillance issues
- 10:00 a.m. Continue data issues discussion with Bob McKnight and/or  
Justin Blackburn and others, on Sustainable Farm Project.
- p.m. If time permits, tour and visit of Kentucky Horse Park later  
in the day.
- Return to Hilton Suites in p.m.

# Farming - a risky business

THE Sustainable Farm Families project success has brought Kentucky to Hamilton.

Agricultural Health and Injury Prevention director, Associate Professor Robert McKnight, was in Hamilton earlier this month discussing agricultural health and

injury prevention.

Prof McKnight said the Western District Health Service's community services director, Sue Brumby, had been persistent in trying to get him to fly to Australia to talk about rural health.

Prof McKnight spent

part of his time at Hamilton Base Hospital addressing the challenges for health and injury prevention in agricultural settings as well as pesticide surveillance in agricultural communities.

He directs several prevention projects in the US aimed at reducing job-related injuries and illnesses associated with farming.

Prof McKnight said it was important the farm population was aware of risks and consequences of exposure to chemicals and dangerous conditions.

He said it was important that farmers wore proper clothing when they used agricultural equipment, such as wide-brimmed hats to protect against skin cancer.

Farmers should also wear personal protective equipment when spraying.

"Gloves, boots, respiratory protection to prevent pesticide on skin or from being inhaled into the lungs, and it's important to be extra careful when windy," he

said.

Prof Mr McKnight said children should be kept away from equipment and pesticides, and if spraying, the farmer should not allow the child to apply the pesticide.

He said farmers should talk about their stresses, rather than putting on a stoic face when things weren't going well.

Ms Brumby said the Sustainable Farmer Families project reinforced a previously held recognition that farmers were ageing, working harder, and for longer.

"Their death, injury, suicides and morbidity rates are higher than the Australian population," Ms Brumby said.

"By bringing experts in this field to Hamilton, we not only support the Farm Families project, but further address the health issues which confront rural communities in general and agricultural works specifically."

Prof McKnight was in Hamilton for three days and said he had learnt a

lot from the project.

"I think the project has the potential to become an international model," he said.

"It can be used by other health organisations to promote health and safety among farm families. I hope funding agencies in Australia see this and provide additional funds to expand the program."



ASSOCIATE Professor Robert McKnight flew from Kentucky to Hamilton to talk about agricultural health and injury prevention.

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## Agricultural Occupational Health Training

### Schedule - Session I

**Tuesday, May 30, 2006**

2189 Medical Education Research Facility (MERF),  
The University of Iowa Carver College of Medicine, Iowa City

8:00-8:15 am	<b>Registration and Continental Breakfast</b>
8:15-8:30	<b>General Introductions</b>
8:30-9:30	<b>Course Overview</b> - Brief history and description of agricultural health in Iowa (Kelley J. Donham, MS, DVM, Department of Occupational and Environmental Health, College of Public Health, The University of Iowa)
9:30-10:15	<b>"Come Walk a Mile in My Shoes – The Farmers' Perspective."</b> A video and discussion
10:15-10:30	<b>Break</b>
10:30-11:15	<b>Veterinary Pharmaceuticals, Biologicals and Antibiotics</b> (Kelley J. Donham)
11:15-12:00	<b>Zoonotic Diseases</b> – Overview, Swine Zoonoses, Rabies Agents, exposure history, pathophysiology, and prevention of illnesses (Kelley J. Donham)
12:00-1:00	<b>Lunch Break</b>
1:00-3:00	<b>Zoonotic Diseases</b> - Agents, exposure history, pathophysiology, and prevention of illnesses (Kelley J. Donham, and Danelle Bickett-Weddle, DVM, MPH, Center for Food Security, Iowa State University)
3:00-3:15	<b>Break</b>
3:15-5:15	<b>Agricultural Toxicology</b> - Symptoms, exposure history, pathophysiology, nursing assessment, and prevention of illnesses (Laurence J. Fuortes, MS, MD, Department of Occupational and Environmental Health, University of Iowa College of Public Health, Department of Internal Medicine, The University Iowa Carver College of Medicine)
5:15	<b>Recess</b>

**Wednesday, May 31, 2006**

2189 MERF

The University of Iowa Carver College of Medicine, Iowa City

<b>7:45-8:00 am</b>	<b>Continental Breakfast</b>
<b>8:00-10:00</b>	<b>Agricultural Skin Diseases/ Cancer in the Farm Environment</b> (Kelley J. Donham)
<b>10:00-10:15</b>	<b>Break</b>
<b>10:15-11:30</b>	<b>Rural Environmental Health Problems</b> (Kelley J. Donham)
<b>11:30-12:45</b>	<b>Lunch Break</b>
<b>12:45-4:00</b>	<b>Agricultural Trauma</b> (LaMar Grafft, MS, Rural Health and Safety Specialist, I-CASH, The University of Iowa) (15 minute break)
<b>4:00</b>	<b>Recess</b>

**Thursday, June 1, 2006**

2189 MERF

The University of Iowa Carver College of Medicine, Iowa City

<b>7:45-8:00 am</b>	<b>Continental Breakfast</b>
<b>8:00-11:30</b>	<b>Agricultural Respiratory Issues - Assessment and prevention, agricultural respiratory illnesses</b> (Kelley J. Donham) (15 minute break)
<b>11:30-12:00 pm</b>	<b>Questions and Review of Session I</b> (Kelley J. Donham) Complete Evaluation and Continuing Education Forms
<b>12:00</b>	<b>Adjourn Session I</b>
<b>12:00-1:30</b>	<b>Lunch Break for those attending both sessions</b>

## Agricultural Occupational Health Training

### Schedule - Session II

**Thursday, June 1, 2006**

2189 MERF

The University of Iowa Carver College of Medicine, Iowa City

- |                |  |
|----------------|--|
| 1:00- 1:30 pm  | <b>Registration for those attending Session 2 only</b>   |
| 1:30- 1:45     | <b>General Introductions and Course Overview</b> (Kelley J. Donham)  |
| 1:45- 3:45     | <b>Innovative Delivery of Agricultural Health Services</b><br>(Carolyn Sheridan, BSN, Clinical Director, AgriSafe Network, Inc.)   |
| 3:45-4:00      | <b>Break</b>   |
| 4:00-5:00      | <b>Easter Seals Rural Solutions Program</b> - Resource for disabled farmers (Tracy Keninger, MS, CRC, Rural Solutions Program Director, The Easter Seal Society of Iowa, Inc.)   |
| 5:00           | <b>Recess</b>  |
| 4:00 – 7:00 pm | <b>Optional Session</b><br>Next Steps in the Development of an Agricultural Health Clinic<br>This is a required session for those interested in starting an AgriSafe Clinic (Carolyn Sheridan, BSN, Clinical Director, AgriSafe Network, Inc.) |

**Friday, June 2, 2006**

2189 MERF

The University of Iowa Carver College of Medicine, Iowa City

- |                 |   |
|-----------------|---|
| 7:45-8:00 am    | <b>Continental Breakfast</b>  |
| 8:00 – 10:30 am | <b>Ergonomics/ Evaluation and Treatment of Agricultural Back Injuries</b> (Daniel C. Anton, PhD, Department of Occupational and Environmental Health, College of Public Health, The University of Iowa) |
| 10:30 - 10:45   | <b>Break</b>  |

- 10:45 – 12:30**      **Pathophysiology and Prevention of Skin Cancer** - Performing skin cancer screenings (Christopher J. Arpey, MD, Department of Dermatology, University of Iowa Carver College of Medicine)
- 12:30 - 1:45**      **Lunch Break**
- 1:45- 4:45**      **Tour of Local Farms** (LaMar Grafft and Risto Rautiainen, PhD, Center Coordinator, Great Plains Center for Agricultural Health, The University of Iowa)
- 4:45**              **Recess**

**Saturday, June 3, 2006**

2189 MERF

The University of Iowa Carver College of Medicine, Iowa City

- 7:45-8:00 am**      **Continental Breakfast**
- 8:00 – 10:30 am**      **Respiratory Protection/ Fit Testing** (Wayne Sanderson, PhD, CIH, Department of Occupational and Environmental Health, College of Public Health, The University of Iowa)
- 10:30-10:45**      **Break**
- 10:45-12:15**      **Physiology and Detection of Occupational Hearing Impairment** (Greg A. Flamme, PhD, Assistant Professor, Department of Speech Pathology and Audiology, Western Michigan University)
- 12:15-1:30**      **Lunch Break**
- 1:30 – 3:00**      **Behavioral Health Issues in the Farming Community** (Michael Rosmann, PhD, Executive Director, AgriWellness, Inc.)
- 3:00-4:30**      **Case Presentations/Scenarios/Problem Solving** (Kelley Donham, LaMar Grafft)
- 4:30-5:00**      **Final Questions and Review of Session II** (Kelley J. Donham)  
Complete Evaluation and Continuing Education Forms
- 5:00**              **Adjourn**

## Susan Brumby Itinerary

Monday June 5, 2006

9:00-10:00am	Dr. Kelley Donham Professor, Occupational and Environmental Health
10:00-11:00am	Dr. Risto Rautiainen Professor, Occupational and Environmental Health
11:00-11:30am	Murray Madsen Program Consultant
11:30-12:00pm	Seminar prep
12:00-1:00pm	Seminar
1:00-2:00pm	Dr. Ken Culp Professor, Nursing
2:00-2:30pm	Dr. Ann Stromquist Associate Research Scientist
2:30-3:00pm	Sara Schneiders Program Coordinator, Certified Safe Farm

# APPENDIX 5



## ITINERARY

### **Susan Brumby, RN, RM**

Director, Community Services  
Western District Health Service  
Hamilton, Victoria, Australia

#### **June 7, 2006**

4:00 p.m. Arrive Central Wisconsin Airport (Car Rental Location)  
Steve Kirkhorn will pick up Ms. Brumby and transport to  
Amerihost Inn & Suites, Marshfield

#### **June 8, 2006**

8:30 a.m. Steve Kirkhorn/Mark Purschwitz will pick up Ms. Brumby at  
Amerihost Inn & Suites-Marshfield

9:00 – 11:00 a.m. Tour Lippert's Farm – Meet Matt Lippert, Wood County Extension

12:00 noon Lunch – (local café)

1:30 – 3:00 p.m. Tour Marshfield Clinic and Foundation w/Steve Kirkhorn

3:00 – 4:30 pm. Tour Ag Research Station w/Steve Kirkhorn

6:00 p.m. Dinner (Parkin Place Restaurant, Marshfield) with  
Ms. Brumby, Steve Kirkhorn, Barb Lee, Mark Purschwitz, Tom  
Drendel, Scott Carpenter, Cathy McCarty, and Dan McCarty

#### **June 9, 2006**

8:30 – 9:00 a.m. Steve Kirkhorn/Mark Purschwitz will pick up Ms. Brumby at hotel  
and take to first meeting

9:00 – 10:00 a.m. Meetings w/Center for Community Outreach & Healthy Lifestyles:  
Darcie Johnson, Rhonda Kopelke, and Greg Nycz

10:00 – 11:00 a.m. Meetings w/NFMC Office Staff: Barb Lee and Mark Purschwitz

11:15 – 12:00 noon Prepare for Ms. Brumby Presentation (LL207 – Lower Level of the  
Clinic)

12:00 Noon Presentation (w/formal lunch) Conf Rm. LL207 – Lower Level of  
the Clinic

1:00 – 2:00 p.m. Lunch following presentation w/Susan Brumby, Steve Kirkhorn,  
Mark Purschwitz – Conference Room ML-1

3:00 – 4:00 p.m. Meeting w/Rural Cancer & Rural Women's Health Researchers,  
EPI, Ed Belongia, Bob Greenlee, Dan McCarty (Conf. Rm. ML-2)

5:30 p.m. Dinner at Steve Kirkhorn's Home

#### **June 10, 2006**

8:45 a.m. Depart for CWA - United flight departs at 11:30 a.m.

**Visit by Susan Brumby to the High Peak & Dales Primary Care Trust**

**PROGRAMME**

**Monday 12<sup>th</sup> June**

9.30am **Farm Out Rural Health Team Bakewell Agricultural Business Centre**

- Fiona Horton – Senior Physiotherapist
- Karen Allen – Nursing Sister (Drop-in Clinic)
- Ingrid King – Primary Care Mental Health Worker
- Graham Hinds – Agricultural Chaplain

12 noon Lunch with Jill Ramsey (Citizens Advice Bureau Co-Ordinator) and Linda Syson- Nibbs (Public Health Nurse Consultant)

3 pm Visit to local hill farm with Fiona Horton

**Thursday 13<sup>th</sup> June**

10.30am Peak District Rural Deprivation Forum (PDRDF), Hope

- Carol Evans – Hill Farming Group
- Val Ponder – National Farmers Network Co-ordinator

12 noon Lunch with Linda Syson-Nibbs, Sarah Gowen (Director PDRDF), Carol Evans & Val Ponder

2pm Farming Life Centre (Blackwell Hall Farm, Taddington)

3.30pm Jen Bower – FLC Manager

Sunday 18/06/2006

*Auditorium*

17.00 Opening Ceremony

Welcome of the National and International Authorities and Institutions

Opening lecture: J. Rantanen (Finland): Basic Occupational Health Services in Agriculture.  
Chair: PA Bertazzi

Get together party

Concert open to the Lodi population

Monday 19/06/2006

*Auditorium*

09.00 - 9.10

Introduction to the IAAMRH Congress: C. Colosio. Chair: A. Patil.

09.10 - 10.30

**Reports from ICOH**

Chairs: S. Niu, V. Foà. Rapporteur: S. Niu

1. M. Masi (Italy): Coordination among Regions for the preventive measures of hygiene and safety in the workplace - strategy and methods of intervention
2. K. Husman (Finland): Occupational Rural Health Perspectives in the Globalized World: the situation
3. K. Donham (USA): Occupational Rural Health Perspectives in the Globalized World: the perspectives
4. P. Bulat (SCG): Occupational Health and Safety in Agriculture: Situation and Priorities at the beginning of the third millennium
5. I. Ivanov (WHO-Geneva): Global Workers Health: from Strategy to Action
6. R. Glass (UK): Pesticide Exposure Assessment: Measures and Models

10.30 - 10.35: V. Ferrario, Dean of the Faculty of Medicine of the University of Milan; welcome to the participants. Chair: A. Colombi

10.35 - 11.00: Keynote lecture: E. Salamini (Italy): The Environmental and Health Impact of Genetically Modified Crops. Chair: T. Floqj

11.30 - 12.45

### **Rural Practitioners and Occupational Health: a challenge**

Chairs: C. Colosio, M. Milosevic; Rapporteur: P. Bulat

1. S. Niu (ILO Geneva): Rural Practitioners and Occupational Health: a challenge
2. J. Karadzinska-Bislimovska: Occupational Rural Health in Macedonia: actual trends and future challenges
3. C. Colosio (Italy): What a rural GP knows and what should know on Occupational Health in Agriculture
4. K.S. Lee (Korea): A study on the management system for occupational disease and injury of farmers
5. K. Roske (Germany): The role of general practitioners in the care for patients with addiction problems in a rural area of Germany
6. J.M. Lopez Abuin (Spain): Animals harming in general practice

### Parallel Sessions

#### **ROOM 1 - Parco Tecnologico Padano (PTP)**

14.00-18.30

#### **Meeting of the Italian Working Group**

#### **Occupational Rural Health in Italy: status of the art and perspectives**

Agriculture and Forestry, National Working Group of the Italian Regions.

Chairs: G. Angotzi; F. Sangiorgi. Rapporteur: E. Ariano

##### Introduction

I. Ivanov: World Health Organization, Geneva

S. Niu: International Labour Organization, Geneva

G. Saretto: Department of Human and Veterinary Health, Region of Lombardy, Italy

1. **Status of the Art in Prevention in Agriculture in Italy**  
E. Ariano: Local Health Unit of Lodi, co-coordinator of the working group

##### Occupational accidents prevention in agriculture

2. **Epidemiology of occupational accidents in agriculture in Italy**  
C. Calabresi Italian Institute for the Assurance of Occupational Diseases and Accidents (INAIL)
3. **The National Reporting System of Occupational Injuries in Agriculture in Italy**  
V. Laurendi Italian Institute of Occupational Health and Safety (ISPESL) Department of Technology and Safety
4. **Guidelines as a tool for prevention**  
G. Angotzi, Local Health Unit n 12, Region of Tuscany, co-coordinator of the Working Group

### Chemical risk

5. **The Italian law 25/02: crop specific exposure risk profiles**  
C. Aprea, Region of Tuscany, C. Colosio, University of Milan, Department of Occupational Health
6. **Pesticide Poisonings: the reporting system created by the Istituto Superiore di Sanità**  
L. Settimi, The Italian Istituto Superiore di Sanità (ISS)
7. **Occupational Pesticide Poisonings**  
G. Miceli, Local Health Unit n. 7 Ragusa, Sicily
8. **Safety data sheets of agrochemicals**  
G. Bonetti, Emilia-Romagna Region

### Agricultural products, prevention, environment

9. **Food safety: new laws and new models. From row approach to systemic approach**  
M.G. Silvestri, Local Health Unit of Lodi, Lombardy Region
10. **Health and Safety issues for operators and consumers**  
F. Sangiorgi (University of Milan, Faculty of Agriculture)
11. **Environmental Impact of Agriculture**  
F. Di Girolamo (Environmental Protection Agency of the Region of Lombardy)

### Workers' Health survey and connection with general practitioners

12. **Epidemiological data from Italian Rural Areas**  
L. Miligi, Centre for Study and Cancer Prevention, Unit of Environmental and Occupational Epidemiology, Florence, Italy
13. **Information flow among professionals: the point of view of the Occupational Health Physician**  
F. Pugliese, Local Health Unit of Piacenza
14. **Information flow among professionals: the point of view of the General practitioner**  
C. Carosino, General Practitioners in the Region of Emilia Romagna

### Conclusions

Programme and perspectives of the National Italian Working Group 2006-2010

## **ROOM 2 - Faculty of Veterinary Medicine (Vet)**

14.00 - 15.45

### **Elderly Care and Mental Health promotion in the healthy villages**

Chairs: H. Hannich, J. Bocsan. Rapporteur: Y. Stefanaki

1. **G. Niehorster (Germany): Trauma exposure and post-traumatic stress disorder in volunteer firefighters in a rural area in Germany: prevalence, risk factors and protective factors**
2. **J. Edwards (Australia): A Local Job Demand/Control model for SA Dairy Farmers**
3. **W. Hannover (Germany): Prevalence of mental disorders in rural areas. A comparison of rural and urban areas in northern Germany**
4. **M.C. Martinez-Altarriba (Spain): The role of rural Primary Care in the suspicion and detection of the abuse in the elderly**
5. **Y. Stefanaki (Greece): Reporting a doctoral thesis protocol on assessment of elderly's health needs in an isolated area in rural Crete, Greece: the benefits for general practice**

6. U. Wiesmann (Germany): Strengthening mental health in rural elderly - a salutogenic intervention study

16.00 - 17.45

### Emerging Diseases in Agriculture

Chairs: Spagnoli G, Occhipinti E. Rapporteur: Lundqvist

1. F. Draicchio (Italy): Hand arm vibrations in agriculture: the experience of ISPESL
2. S. Mattioli (Italy): Carpal tunnel syndrome in farmers: findings from the multicentre case-control study of the MODS collaborative group
3. K. Kyung-Ran (Korea): Disease, accident and musculoskeletal symptom ratio of farmers by farming crop type
4. A. Thelin (Sweden): Osteoarthritis of the hip in a male rural population
5. R. Carel (Israel): Injury surveillance in a Rural Health Center of Western Kenya
6. G. Van der Laan (The Netherlands): Tulips from Holland: the side effects. About Occupational Diseases in agriculture in the Netherlands

### ROOM 3 - Faculty of Veterinary Medicine (Vet)

14.00 - 15.45

### Epidemiological data from Rural Areas (1)

Chairs: M. Alavanja; L. Cocco. Rapporteur: R.A. Verheij

1. M. Alavanja (USA): Excess Prostate Cancer in Farm Populations: Recent observations from the Agricultural Health Study (AHS) and future plans
2. SR Kirkhorn (USA): Early life farm exposure effects upon the development of childhood asthma and atopy
3. L. Cocco (Italy): Pesticide exposure and lymphoma: an epidemiological study
4. L. Miligi (Italy): Non-Hodgkin's Lymphoma, Leukemia and Multiple Myeloma and exposures in agriculture: results from the Italian multicenter case-control study
5. R. Kuye (Gambia): Health and safety of farmers in the Gambia, West Africa: systematic survey
6. M. Di Gioacchino (Italy): Inflammation, bronchial hyper reactivity and progression of asthma. Five year follow-up study in grass sensitized farmers
7. R. Turci (Italy): Reference values of 3,4- and 3,5-dichloroanilines in human urine from a population group living in a rural area of Central Italy

16.00 - 17.45

### Epidemiological data from Rural Areas (2)

Chairs: R. Carel; C. Taattola. Rapporteur: J. M. Lopez Abuin

1. G.M. Calvert (USA): A report of three farm workers who gave birth to infants with severe birth defects closely grouped in time and place - Florida and North Carolina 2004-2005
2. L. Tazawa (Japan): a study and an attempt to reduce deaths from hepatocellular carcinoma caused by hepatitis c virus infection in Ibaraki prefecture, Japan
3. R.A Verheij (The Netherlands): Farmers Healthier than the rest of the Working Population
4. JM Lopez Abuin (Spain): A rural/urban comparison in social and healthcare data of women. Analysis of a randomized survey in a rural region: Galicia (Spain)

5. C. Taattola (Finland): Work-related and leisure time injuries in agriculture in Finland
6. JM Lopez Abuin (Spain): Chronic pathologies in rural and urban patients: are we talking about the same features?

#### *ROOM 4 - Faculty of Veterinary Medicine (Vet)*

14.00 - 15.45

#### **Education and Networking in the healthy villages**

Chairs: R. Mcknight; C. Carosino. J. Rapporteur: Z. Farkas Pall

1. K. J. Donham (USA): Education of Health Professionals in Agricultural Medicine
2. E. Andriopoulou (Greece): European Training for Health Professionals on Rapid Response to Health Threats: The ETHREAT Project
3. C. Carosino (Italy): Some experiences with information/communication technology instruments in rural practice
4. Z. Farkas-Pall (Romania): Health promotion and education project in Romania - a way to improve rural health services
5. K. J. Donham (USA): The Agrisafe network and the certified safe farm: sustainable interventions for agriculture
6. R. Mcknight (USA): Activities of the North American Agromedicine Consortium
7. M.C. Martinez-Altarrriba (Spain): Education for health in the rural adolescent

16.00 - 17.45

#### **Pesticide poisonings: incidence and prevention**

Chairs: P. Bulat, A. Moretto; Rapporteur: M. Alavanja

1. A. Moretto (Italy): Chronic effects of pesticides
2. J. Van Hemmen (The Netherlands): Pesticide risk evaluation and management in the field: job matrix, protective equipment, etc.: the experience in Northern countries
3. F. Giannandrea F. (Italy): Use of protective devices among pregnant women working in greenhouses
4. M. Alavanja (USA): High Pesticide Exposure Events among farmers in the Agricultural Health Study
5. D. Farmer (USA): Exposure of Farm Families: the Example of Glyphosate
6. R. Glass (UK): Measures to reduce exposure of rural communities to pesticides
7. J. Pauluhn (Germany): Acute inhalation toxic potency of aerosols: technical issues, interpretation of findings and relevance for classification

18.00 - 19.30

#### **Meeting of the European Chapter of IAAMRH**

#### *ROOM 5 - Faculty of Veterinary Medicine (Vet)*

18.00 - 19.30

#### **Meeting of the Asian Chapter of IAAMRH**

1. R.V. Agnihotram (India & Canada): Burden of disease in rural India: an analysis through multiple data sources
2. D. Backović (SCG): Risk factors for malignant diseases in a semi-rural vicinity of Belgrade
3. D. Backović (SCG): Morbidity and health risks among tractor operators in agriculture
4. I. Fedi (Italy): Training for tutelage of workers' health in agriculture and silviculture
5. F. Kaloyanova (Bulgaria): From our history our roots
6. K. Hamano (Japan): Loneliness of the Elderly People Living in a Small Island in Saga, Japan
7. Y.R. Heo (Korea): The correlation between maternal *serum leptin* levels, body composition and weight retention during pregnancy to 6 month postpartum in Korean women
8. I. Holcatova (Czech Republic): Epidemiology of pancreatic cancer
9. A. Hoshino (Japan): Examination of a satellite system at a local shopping center for supporting independent living of elderly people
10. H. Ide (Japan): Health education with theatrical performances in rural communities
11. T. Katsura (Japan): A cohort study on association between weight fluctuation and metabolic syndrome in 150000 Japanese
12. K. S. Kim (Korea): Status of Korean older farmers' agricultural injuries and disease
13. E. Lekei (Tanzania): Pesticides poisoning in the developing world: the need for reliable statistics and possible interventions
14. J.L. Llisterri-Caro (Spain): High blood pressure of immigrants in Spanish Primary Health Care consultations: a transversal epidemiological survey of prevalence and grade of control. The INTEGRA study
15. J.M. Lopez Abuin (Spain): Cardiovascular risk factors and their control in oncological patients: rural vs urban population
16. J.M. Lopez Abuin (Spain): Are rural emergency healthcare networks useful in the delivery of Emergencies and Urgencies?
17. P. Lundqvist (Sweden): Swedish Guidelines for Children's Agricultural Tasks
18. M.C. Martinez-Altarriba (Spain): Internet , Healthy Education Broadcasting and Formation tools in the adolescence
19. C. Mendiola Anda (Mexico): Musculoskeletal complaints in rural labourers in comparison with urban labourers
20. I.M. Mirestean (Romania): Alcohol use in rural area of Romania, health aspects
21. M. Mununa (Tanzania): Training as one of the tool for promoting sound management of pesticides by small-scale farmers in Tanzania
22. O. Noguchi (Japan): Findings of lung cancer screenings by spiral ct van
23. E. Oikonomidou (Greece): Dyspepsia in a rural and remote area of Greece: the frequency of the problem and the compliance to treatment
24. N. Ovsyannikova (Russian Federation): Immune reactivity of human body in connection with heavy metals content in the body of the rural inhabitants
25. N. Pranjic (Bosnia Herzegovina): Child labour in agriculture
26. Regione Toscana (Italy): Project: "School for Safety"
27. Regione Toscana (Italy): Project " Cultivate the Safety"
28. M. Ronchin (Italy): A ten years pesticide residues monitoring programme: results and future perspectives in Lombardy
29. K. Röske (Germany): Medical practices with emphasis on addiction - evaluation of a new approach in outpatient treatment for alcohol in rural areas
30. T. Sakamoto (Japan): Risk factors of stroke in Japan
31. S. Shirono (Japan): Fatigue among female agricultural workers associated with their life style

32. A Veraldi (Italy): Anomalies of asbestos risk: exposures in the agricultural sector
33. M. Vlad (Romania): Factors contributing to obesity in rural women

20/06/2006 Tuesday

### Auditorium

9.00 - 10.45

#### **Producing Safe and Healthy Food**

Chairs: M. Tiramani, I. Traczyc. Rapporteur : C. Yoo-Hyang

1. M. Tiramani (EFSA): The risk assessment for consumers and workers exposed to pesticides in Europe: the role of the European Food Safety Authority (EFSA)
2. L. Szponr (Poland): Health and nutritional status of the rural population in Poland
3. E. Sabbioni (CRC - Ispra): Nanoscience and nanotechnologies: emerging potential occupational health risks for the 21st century and the need of nanotoxicology research
- ✕ 4. S. Brumby (Australia): Healthy Farmers Healthy Food: Sustainable Farm Family Project
5. Yoo-Hyang Cho (Korea): Relationship between nutritional knowledge, Attitude, Practice and Health Status of Rural Residents
6. M. Makinen (Finland): Occupational and consumer exposure to pesticide products. Findings of a telephone survey of the Finnish Poison Information Centre contacts
7. A. Moretto (Italy): SAFEFOODNET: a specific support action of the EU for chemical food safety network for the enlarging Europe
8. P. Lundqvist (Sweden): Working with farm animals in between animal welfare legislation and work environment legislation

11.15 - 11.45: Keynote lecture: G. Poli (Italy), Dean of the faculty of Veterinary Medicine - University of Milan. Prevention of avian influenza. Chair: G. Brambilla

11.45 - 12.45

#### **Rural Health Profiles and Indicators as New Tools for Prevention**

Chairs: A. Linos, K. Kurppa. Rapporteur: K. Kurppa

1. Linos (Greece): Occupational and environmental risks related to crop farming in Southern Europe: the DIRERAF methodology applied
2. T. Floqi (Albania): Environmental and health indicators of rural area of Prespa Lake
3. K. Kurppa (Finland): Community Occupational Health and Safety profile as an Instrument for Improving Working Conditions
4. Colosio (Italy): Exposure and risk profiles for pesticide use in agriculture
5. I. Ivanov (WHO-Geneva): Indicators for Occupational and Environmental Health

**ROOM 1 - Parco Tecnologico Padano (PTP)**

14.00 - 17.45

**Special session about safety and health in the agricultural and forestry machinery: problems and perspectives**

Within this special session it will broach some problems came out in the last few years about globalization process of safety and health aspects in the agricultural and forestry machinery sector in a particular reference to technical rules, to standard codes of practice, to methods and standards of risk evaluation. Nowadays, a concept recognized at international level, is the fact that in a globalized world can't coexist situations in which it may be on which country it refer to.

Chairs: R. Cianotti ISPESL Italy; I. Fraser, European Commission  
Rapporteur: V. Laurendi ISPESL Italy

14.00            **Opening of the meeting**

1. G. Ortolani, INAIL: Analysis of the international data about accidents happened by agricultural and forestry machinery
2. Ian Fraser, European Commission European Directives for agricultural and forestry machinery
3. N. Alt, chairman and Secretary of ISO/TC 23/SC 3: European standards (CEN) and International Standards (ISO) in the Frame of Vienna Agreement
4. M. Galdi, UNACOMA : The safety of the agricultural and forestry machinery with particular care to the agricultural tractors. Situation in Europe
5. Mokthar Ben Mahmoud (Tunisia) The needs and demands of the emergent or developing countries of the prevention of the professional risks
6. P. Balsari - DEIAFA (Italy): Health in pesticide application
7. HJ Sauer - BLB (Germany): Safety of agricultural machinery - Principal safety aspects and research on european and international level
8. E. Gasparetto - University of Milan (Italy): Research transfer from university to industry in the field of agricultural machinery safety and health

17.20 - 17.45    **Debate and closure of the meeting**

**ROOM 2 - Faculty of Veterinary Medicine(Vet)**

14.00 - 15.45

**Health Care Provision in the healthy villages: legislation, structures and services**

Chairs: R. Papp, K. Husman. Rapporteur A. Simek

1. R. Papp (Hungary): Cardiovascular risk status in rural areas of Hungary
2. W. Hannover (Germany): Determinants of Mental Health Care Provision in a Rural Area in Germany

3. C. Servili (WHO AFRO): Eritrean Experience of Integrated Community Health pilot study implementation
4. P. Bulat (SCG): Implications of Serbian New Health and Safety Act on Health of Agriculture Workers
5. N. Magnavita (Italy): Systematic use of auditing techniques in agriculture: the A.S.I.A. method

16.00 – 17.45

### Healthy village, safe environment, safe water, sanitation and hygiene.

Chairs: A. Patil; G. Sesana. Rapporteur: A. Patil

1. G. Sesana. (Italy): International cooperation on water quality in Sri Lanka
2. G. Azimonti (Italy): The EU project FOOTPRINT: functional tools for pesticide risk assessment and management at various scales
3. K. Minamoto (Japan): Arsenic Contaminated Water and Extent of Acute Childhood Malnutrition (Wasting) in Rural Bangladesh
4. Patil (India & Sweden): Safe water for all in developing countries
5. L. Haidar (Albania): Petroleum environmental polluted and health impacts in rural district of Fier-Albania. A Case -Control Study
6. F.M. Rubino (Italy): Human exposure to toxic metals through food staples and the use of biomass materials as fuel resource

### ROOM 3 – Faculty of Veterinary Medicine (Vet)

14.00 – 15.45

#### Sound management of pesticides (1)

Chairs: M. Maroni, J. Edwards. Rapporteur: M. Wilks

1. H. Felber (ECPA): Safe Use Initiative in southern European countries
2. G. Fabrizi (Italy): Assessing exposure to inhaled pesticides: the role of sampling
3. K. Bentley (USA): Use of Relevant Toxicological Endpoints and Realistic Exposure Assessments in Evaluating the Safety of Crop Protection Chemicals to Consumers and Farm Workers
4. M. Wilks (England): Risk analysis and design of stewardship programmes to improve the safe use of crop protection products
5. N. Miraglia (Italy): Optimization of new analytical procedures for the biological and environmental monitoring of occupational exposure to pesticides
6. P. Boscolo (Italy): New reports on in vitro immunotoxicity of arsenic compounds used in agriculture
7. M. Rubbiani (Italy): The UN global harmonized system: a new approach for pesticide classification and labelling

16.00 – 17.45

#### Sound management of pesticides (2)

Chairs: M. Milosevic; M. Makinen. Rapporteur: R. Glass

1. R. Cabella (Italy): Operator exposure assessment for plant protection products registration purposes within the EU: procedures and needs

2. P. Castellano (Italy): Evaluation of the professional exposure to pesticides
3. V. Fayomi (Benin): Management of pesticides and pesticides wastes at the cotton culture's areas in Benin
4. M. Makinen (Finland): Pesticide use of Finnish farmers - Results of the Farming and Occupational Health in Finland in 2004 study
5. M. Milosevic (SCG): Health impairment of agriculture workers exposed to pesticides within levels of protective measures
6. T. Floqi (Albania): Pesticide application; machinery, practices and problems in Albania
7. T.G. Danis (Greece): Integrated Crop Management and pesticide residues: The current status in Greece

#### **ROOM 4 - Faculty of Veterinary Medicine (Vet)**

14.00 - 15.45

##### **Preventing Biological Risk in Rural Areas**

Chairs: M : Gismondo M, Y. Yamane; Rapporteur: W. Yungpraesert

1. L. Drago (Italy): Laboratory diagnosis of Avian-Human Flu
2. W. Juengprasert (Thailand): Surveillance and Control of Avian Influenza in Thailand
3. J. Bocsan (Romania): Zoonoses in Romania - an infectious risk for agricultural professionals
4. G. Linsel (Germany): Measurement and analysis of airborne endotoxins according to German occupational health regulations
5. H. Diefenbach (Germany): Airborne biological hazards by endotoxins in different pig fattening systems
6. S.G. Reed (Australia): A comparison of Australian and Overseas Agricultural Workers Exposure to Dusts and Bioaerosols
7. R. Lombardi (Italy): H5N1 virus and measures for protecting agricultural workers
8. H. Diefenbach (Germany): Bedding material in animal husbandry: does substitution of straw reduce the emission of airborne biological hazards?

16.00-17.45

##### **Challenges for building the Healthy Village**

Chairs: A. Simek; J. Van Der Zee. Rapporteur: A. Simek

1. C. Carosino (Italy): Home care for old people in a rural area of Northern Italy. The experience of a primary care nucleus in Emilia Romagna
2. H. Hannich (Germany): Depressive mood in rural elderly - a salutogenic analysis
3. A. Simek (Hungary): Rural health: the greatest challenge is equity and equality
4. J. Van der Zee (The Netherlands): The use of Electronic Medical Recording in General Practice as a tool for studying urban/rural health and health care utilization differences
5. A. Maarek (Hungary): ElectroSomatoGram: detection pathologies at an early stage
6. M.C. Martinez-Altarriba (Spain): Doctor's Main Function in Elderly People's Mistreatment Detection
7. J. Rodriguez Guzman (Colombia): Colombian agricultural cases: successful stories

## ROOM 5 - Faculty of Veterinary Medicine (Vet)

16.00 - 17.45

ROUND TABLE: Non Governmental Organizations: role and activities

Organizer: C. Somaruga (Italy)

### Poster Session

1. C. Aprea (Italy): Evaluation of respiratory and skin doses of azoxystrobin or cymoxanil during mixing- spraying or re-entry in vine cultivation
2. E. Ariano (Italy): Analysis of main determinants of the occupational accidents occurred in agriculture and animal breeding in a defined territory as a tool for planning, at local and regional level, preventive actions, and for verifying results
3. E. Ariano (Italy): Analysis of chemical, physical and biological risk in animal breeding and identification of preventive measures
4. V. Bencko (Czech Republic): Pesticides use, related health risks & consumers protection
5. Y. H. Cho (Korea): Relationship Dietary Habits, Health status and Health management of Rural Residents
6. S. Dori (Italy): Chemical risk and prevention: an educational-training experience for agricultural workers in the Arezzo area
7. M. Elia (Italy): A survey on the activities related to chemical food contamination in new member countries and associated countries of the European Union.
8. F. Frangi (Italy): Sample survey "Farms - gardening and gardens maintenance" in 52 Farms in Monza's area - Lombardy
9. E. Foriwaa (Ghana): Enhancing Rural Health and Nutrition through Non-Timber Forest Products (NTFPs) Management
10. P. Pisano (Italy): I want to be safe .... in the cellar and in the mill: reflections with the children primary school
11. M. Matsuzawa (Japan): Improvement of blood fluidity by flammulina velutipes
12. M. Mikurube (Japan): Farm accidents in Japan (report no.11) mechanisms for outbreak of accidents and preventive measures
13. J. Nakano (Japan): A case of chronic hypersensitivity pneumonitis
14. C. Nasuti (Italy): Alterations in rabbit aorta induced by Pyrethroids
15. J. P. Owens (USA): Assessing farm safety intervention among youth and rural farmers in North Carolina Counties
16. K. Röske.(Germany): Medical practices with emphasis on addiction - evaluation of a new approach in outpatient treatment for alcohol in rural areas
17. Regione Toscana (Italy): Plan for goals 2005-2007 - Preventive measures on occupational health and safety in forestry
18. Regione Toscana (Italy): Plan for goals 2005-2007 - Preventive measures on occupational health and safety in agriculture
19. S. Sasaki (Japan): Farm accidents in Japan, past and present
20. N.G. Sewlikar (India): The disease in birds: Impact on Rural populace and control measures
21. L.M. Stoica (Romania): Occupational health monitoring among veterinarians
22. A. Svetlíková: Participation of Food Research Institute (Slovakia) in the SAFEFOODNET project

23. S. Tasiopoulou (Italy): A survey on the activities related to diet definition in new member countries and associated countries of the European Union.
24. I. Traczyk (Poland): Polish report of existing national institutions involved with dietary information system and monitoring programmes of food chemical contaminants
25. G. Tranfo (Italy): Urinary 1-aminopyrene determination for the assessment of exposure to diesel tractors exhaust
26. M. Ugolini (Italy): Critical aspects in the field of forestry in Tuscany: the work of the forester in the light of the recent norms
27. H. Yamaguchi (Japan): Home care support to dialysis patients at a Japanese rural hospital
28. P.G. Barbieri (Italy): Nasal cavity and paranasal sinuses cancers in avicultural breeders. An unsuspected occupation at risk

Wednesday 21/06/2006

### *Auditorium*

9.00 - 10.30

#### **Environmental prevention**

Chairs: E. Salamini A. Colombi. Rapporteur: L. Tafaj

1. K. Hamman (Swiss): Impact of GMOs on the environment
2. B. Manachini (Italy): Environmental impacts of the genetically modified plants against insects: focus on biodiversity
3. P. Ajmone Marsan (Italy): Safety aspects of GMOs
4. D. Ederle (Italy): Scenarios of coexistence between GM, conventional and organic crops
5. L. Tafaj (Albania): Environmental health and social prospect of a long-lasting environmental hot-spot in Durres, Albania
6. L. Frisch (USA): Geographical Information System (GIS) Support of Rural Septage Application to Agricultural Land
7. M. Trevisan (Italy): The risk trend of Plant Protection Products on consumers: the Harmonised Pesticide Risk Trend Indicator for Food (HAPERITIF)
8. N. Darbinyan (Armenia): Organic Agriculture in NIS and Eastern Europe as alternative to conventional agriculture: environmental and health considerations

11.00 - 11.20: **Keynote lecture:** C. Sorlini (Italy), Dean of the Faculty of Agriculture of the University of Milan. Chair: M. Trevisan

11.20 - 11.30: **Special Communication:** S. Liberatori (Italy): The Italian farmers, dealers, manufacturers and the public sector work together for the safety of agricultural machinery.  
Chair: S. Karadinska Bislimovska

11.30 - 13.00

**Final Round table "Building the Healthy Village"**

C. Colosio, A. Patil; I. Ivanov; S. Niu; J. Ranthanen

Reports from the Congress Session.

Participants: E. Ariano, P. Bulat, D. Ederle; S. Farkas Pall; R. Glass; VA Hinson; K. Kurppa; Q. Li; P. Lundqvist; M. Makinen; A. Simek; Y. Stefanaki; I. Tafaj; C. Yoo-Hyang; W. Juengprasert

**Conclusions; approval of the "Lodi Declaration"**

**- 13.30: Closing Ceremony**

## Lodi Declaration on Healthy Villages

Adopted by the 16<sup>th</sup> International Congress of Agricultural Medicine and Rural Health,  
Lodi, Italy, 18 - 21 June 2006

Whereas more than half of the world's population live in villages and bear a disproportionate burden of diseases, occupational and environmental health risks,

Whereas many solutions for achieving the Millennium Development Goals related to public health and environment lie in the rural settings,

Whereas people in villages have limited or no access to primary health care, basic occupational, environmental, and public health services, as well as to safe water and sanitation,

Whereas the villages with their specific cultural and social capital provide ample opportunities as settings for delivery of essential health interventions, for protecting and promoting human health,

Whereas unsustainable, unhealthy and unsafe agricultural practices cause substantial numbers of occupational and work-related diseases and injuries, disabilities, premature deaths, loss of income potential and human suffering, and thus perpetuate poverty in rural areas,

Whereas international, national and local actions have not been commensurate to the above mentioned challenges,

Acknowledging the progress made in addressing health aspects of urbanization, but being concerned that the lack of comprehensive initiatives to protect and promote health in villages can further exacerbate health inequalities within and between countries,

Emphasising that the attainment by all peoples of the highest possible level of health is impossible without improving the health of rural populations,

Taking into consideration the Declaration of the International Conference on Primary Health Care, Alma-Ata, USSR, 1978, the Global Strategy on Occupational Health for All adopted by the World Health Assembly with Resolution 49.12 from 1996 and the Global Strategy on Occupational Safety and Health adopted by the International Labour Conference in 2003,

Recalling the outcomes of previous international deliberations on occupational health in agriculture and rural health, such as the Declaration of the First International Congress on Rural Health in the Mediterranean and Balkan Countries (Bari, Italy, 2002), the Agenda on Rural Health (Loni, India, 2002), and the Declaration on Occupational and Environmental Rural Health (Belgrade, Serbia, 2004),

We, the 350 participants from 43 countries from all continents who took part in the 16<sup>th</sup> International Congress of Agricultural Medicine and Rural Health, held here in Lodi, Italy, from June 18 to June 21, 2006, discussed the challenges to providing adequate occupational and environmental health, food safety, public health and medical services in villages, and

## WE DECLARE THAT:

1. We commit ourselves to a global movement in developing Healthy Villages to respond to the specific occupational, environmental and public health problems and the inadequate access to health care and health promotion in the rural areas;
2. We call for concerted national and international efforts to improve the scope and the coverage of primary health care to better address the needs of rural communities, as well as to providing access to occupational and environmental health services in rural areas and to improving the quality of service delivery;
3. We are determined to advocate and provide support for the elimination of the worst forms of child labour in rural and remote areas, to promote the legalization and the official recognition of informal and migrant agricultural workers as well as to contribute to a global decent work agenda in villages;
4. We recommend incorporating the rural dimension into international, national and local environmental, occupational, and health action plans to meet the special needs of people living in villages;
5. We recognize the need for increasing stewardship of governments and industry and collaboration between the ministries of health, environment, labour, agriculture and other relevant state agencies as well as private enterprises and workers' organizations in addressing occupational, environmental health and public health risks in rural areas;
6. We also highlight the importance of the actions taken by local authorities and the public initiatives to protect and promote the health of rural populations;
7. We urge for an increasing collaboration between the relevant disciplines, such as medicine, public health, occupational and environmental health, health promotion, food safety, chemical safety, agricultural and veterinary sciences, and social sciences for addressing the special health needs of rural populations;
8. We pledge our support to the international activities related to developing Healthy Villages of the World Health Organization and the International Labour Organization, acknowledging the importance of collaboration with the other relevant UN agencies, such as UNDP, UNEP, UNICEF, PAO, UNHABITAT, and the regional bodies, such as the European Union;
9. We encourage the International Association on Agricultural Medicine and Rural Health, the International Commission on Occupational Health, as well as the organizations of farmers, agricultural workers, agricultural industry, and the relevant non-governmental organizations and networks to take action to support and promote the development of Healthy Villages;
10. We believe that the Healthy Village concept needs to be introduced in training and educational programmes, in order to build the necessary human resources to provide health services of good quality to rural populations and agricultural workers;
11. We realize the need for adequate and reliable data collection and analysis for needs assessment, monitoring and evaluation of Healthy Villages programmes and thus we will collaborate for the development of international models for rural health profiles and indicators;
12. We call upon the governmental agencies and local authorities to ensure equal and proper access of people in villages to information on public and occupational health and the environment, stimulate social and environmental justice, as well as to provide means for

empowerment of rural populations to protect and promote their health, and to improve their working and living conditions;

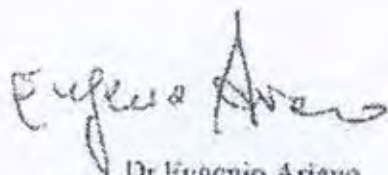
13. We see a growing need of creating reference centres at the local, national and international level for providing expertise and support to the development of Healthy Villages. Therefore, we welcome the initiative of the Department of Occupational Health, Institutes of Agronomic Sciences and Veterinary Medicine at the University of Milan to establish an interdisciplinary group for providing such expertise and support. We encourage these bodies, in collaboration with other relevant organizations, to consider establishing an international centre of excellence for the global Healthy Village movement;
14. We are committed to share our good practice and experience in devising, implementing and evaluating programmes for the development of Healthy Villages, and will work together to elaborate the necessary technical tools and guides.

We, hereby, authorize the Congress President, the Chair of the Congress Organizing Committee and the President of the International Association of Agricultural Medicine and Rural Health to sign this declaration on our behalf.

Lodi, 21<sup>st</sup> June 2006



Dr Claudio Colosio  
Congress President  
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