

**TIEMS**

The International Emergency Management Society



# THE INTERNATIONAL EMERGENCY MANAGEMENT SOCIETY

## Newsletter - ISSUE 36 - July 2019

ISSN 2033-1614

## TIEMS 2019 Annual Conference

November 12 - 15, 2019  
GOYANG, KOREA



**Conference Host:**  
**TIEMS Korea Chapter jointly with the**  
**Korean Society of Disaster & Security**



### The International Emergency Management Society

*TIEMS continues its international development, and is spreading out its activity more and more worldwide, with members and chapters. New members and chapters add valuable expertise and cultural diversity to the TIEMS international network, which comprises of users, planners, researchers, industry, managers, response personnel, practitioners, social scientists, and other interested parties within emergency management and disaster response. This network constitutes a large international multidisciplinary group of experts, with different educational backgrounds and various experiences. Read more about this network and its activities in this newsletter.*

**TIEMS President**

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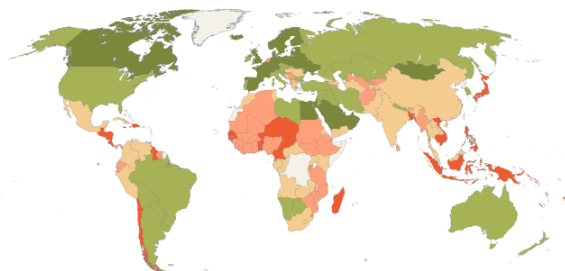
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## Message from TIEMS President

### The World at Risk

The following figures show the world at risk, and this is basis for TIEMS work contributing to improved resilience in worldwide communities.

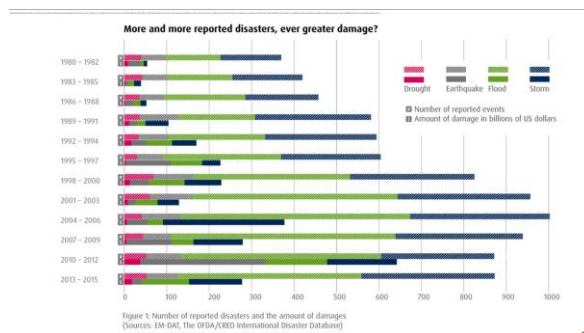
World Risk Index as the result of exposure and vulnerability



VERY LOW	0,10 – 3,65 %	HIGH	7,45 – 10,58 %
LOW	3,66 – 5,72 %	VERY HIGH	10,59 – 36,31 %
MEDIUM	5,73 – 7,44 %	NO DATA AVAILABLE	

MAX. RISK = 100% Classification according to the quantile method

Ref : [WorldRiskReport](#) (WRR)



Ref: EM-Dat, the OFDA/CRED International Disaster Database

This issue of the Newsletter, focus on reports from TIEMS International activities, covering international conferences and workshops, TIEMS International Certification - TQC, new chapters and research activities TIEMS participate in.

### TIEMS 2019 Annual Conference

TIEMS main international event this year, is TIEMS 2019 annual conference which takes place in Goyang in Korea from 12<sup>th</sup> to 15<sup>th</sup> November. The announcement and call for papers and posters is included in this newsletter, and the slogan for this conference is:

*“Toward the Bright Future of Safety”.*

The conference is organized jointly between TIEMS Korean Chapter and the Korean Society of Disaster and Security.

We expect a large turnout, and this will be an excellent opportunity for networking between the international emergency management community and the Korean authority and academic sector and the Korean security industry, to learn from each other and exchange experience and make valuable contacts for the future.

### TIEMS Disaster Ethics Workshop

Positionality of disaster (risk) management practitioners has shifted and created new challenges for their professional conduct, interactions with vulnerable and disaster-prone/disaster-impacted communities and in navigating the landscape of practice in dealing with complex natural and technical disaster, to name but a few examples. This ever-increasing complexity and nature of the profession has raised the requirement of the disaster management practitioners to adapt to new situations and to manage challenging landscapes of competing interests. This has and continues to result in new ethical challenges that disaster risk management practitioners must resolve and deal with in the day-to-day execution of their profession.

Therefore the aim of the workshop which TIEMS join with **Rhodes University in Makhanda, Eastern Cape, South Africa From 20<sup>th</sup> until 21<sup>st</sup> September 2019**, is to provide a platform for disaster ethics to risk management practitioners to come together and discuss ethical challenges of their profession, and to allow academics to engage with practitioners on the practical implication of the latest research findings in South Africa and Africa at large that have ethical implications. The announcement and call for papers is found in the newsletter below.

### TIEMS International Certification - TQC - Test Candidates

TIEMS continues its development of TIEMS International Certification - TQC, and TIEMS plans to present the results at TIEMS 2019 Annual Conference in November this year.

In order to see to it that TIEMS International Certification - TQC, is relevant and appropriate and fulfilling the needs of the emergency management and disaster response community, and that it is up-to-date and using state-of-the-art technology, we have invited experienced professionals with different backgrounds and experience and from different countries, to be test candidates of TQC before it is opened to the community of professionals. Their role is to test the system from A to Z and give valuable feed-back on the quality, operational aspects, and relevance of this certification, to allow TIEMS to tune it to the needs of the community experts. Below in the newsletter is the 7 recruited test candidates presented.

### TIEMS New Chapters

It is with great pleasure I can introduce below in the newsletter, the TIEMS France Chapter under establishment. This will be an important TIEMS chapter, which among others will contribute with software solutions for disaster preparedness, which can be used in TIEMS chapters worldwide.

As TIEMS President, I will also be a speaker at the AFAC19 Conference in Melbourne, Australia end August this year, with a presentation on TIEMS research activities in EU projects since 2006;

#### *Research Activities within European Union Research Programs for Improving Preparedness and Resilience*

I will also be a speaker at the DMISA 2019 conference in South Africa mid September, with the title:

#### *Emergency Management around the World - Challenges and Lessons Learned*

Both conferences are presented in the newsletter below.

During my stay in Australia and South Africa this fall, I will invite to forming TIEMS chapters both in Australia and South Africa.

### A European HUB for Wildfire Expertise

The project 'European Hubs for Civil Protection and Crisis Management', which is an EU Preparatory Action, is described in the newsletter below. It was adopted by the European Parliament to support the disaster preparedness in the Union and its Member States in the framework of the Union Civil Protection Mechanism (UCPM) and to better tackle the new challenges posed by the changing risk landscape in Europe.

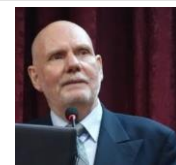
TIEMS is a subcontractor to Ecorys in this project, which will be concluded in February 2020. 55 experts from all over Europe participated in a workshop in Rotterdam in June, discussing and adding value to the recommendations to be the result of this project.

### TIEMS Member Benefits

As a member of TIEMS, you are part of an international community of leaders and practitioners in emergency management, with diverse backgrounds in engineering, science, government, academics, military, and industry, working together to make the world a safer place. Membership affords unique opportunities to Learn, Serve, and Network.

TIEMS welcome new members to work together with us for creating more resilient communities worldwide.

Have a Good reading!



Oslo 10<sup>th</sup> July 2019  
K. Harald Drager  
TIEMS President



**TIEMS 2019 ANNUAL CONFERENCE IN KOREA****TIEMS 2019 Annual Conference**

November 12 - 15, 2019  
GOYANG, KOREA



**Conference Host:**  
***TIEMS Korea Chapter jointly with the  
Korean Society of Disaster & Security***

At  
KINTEX  
217-60 Kintex-ro, Ilsanseo-gu, Goyang-si, Gyeonggi-do, Korea

[http://www.kintex.com/client/eng/c070101/c070101\\_00.jsp](http://www.kintex.com/client/eng/c070101/c070101_00.jsp)

In cooperation with

***TIEMS Korea Chapter jointly with the Korean Society of Disaster &  
Security***

The Conference Motto is:

***Toward the Bright Future of Safety***

**TIEMS 2019 Annual Conference Topics**

In an interconnected and interdependent world, coordination and collaboration between cities, provincial, national, international agencies and non-governmental organizations have become critical to the promotion of disaster management, disaster risk reduction and climate change mitigation. The TIEMS 2019 Annual Conference will explore best practices and emerging technologies, to facilitate the coordination of valuable resources and urban planning strategies to build resilient communities.

The main topic is:

### ***Toward the Bright Future of Safety***

Presentations from International and Korean experts will provide valuable insights and the interactive workshops will create an exceptional opportunity to discuss national and international perspectives.

#### **List of Topics (not limited to)**

- Disaster Risk Reduction
- Climate change
- Education in crisis and emergency management
- Technology for first responders
- Volunteers in disaster relief and armed conflict zones
- Human factors and organizational aspects for disaster-resilient societies
- Best practices
- Standards & Certification
- Natural disaster analysis
- Environmental effect of disaster and emergency
- Health and welfare aspect of disaster and emergency
- Social and economic impact of disaster and emergency
- Emergency response
- Chemical, Biological, Radiological, Nuclear, and Explosive materials (CBRNE)

#### **Call for Papers and Posters**

Please, use the following link to submit an abstract for a Paper or Poster:

<https://easychair.org/conferences/?conf=tiems2019ac>

- Abstract submission: **August 1, 2019**
- Notification of acceptance: **August 15, 2019**
- Full paper submission: **September 15, 2019**
  
- Early bird registration: **September 1, 2019**

#### **International Program Committee**

- Conference Chair - **Kåre Harald DRAGER**, Professor, President of The International Emergency Management Society TIEMS (Norway)
- Co-chair - **Soon-Joo Wang**, Professor, Medical Doctor, Hallym University Medical Center (South Korea)
- **D.K. (Dong Keun) Yoon**, Associate Professor, Yonsei University, Department of Urban Planning and Engineering (South Korea)

- **Guosheng QU**, Professor and Director of S&T, National Earthquake Response Support Service (NERSS), Ministry of Emergency Management of P. R. China, and Vice President of TIEMS, and Expert of UNOCHA INSARAG (China)
- **Andre SAMBERG**, Professor of Practice, Head of TIEMS Mission to Ukraine (Finland)
- **Thomas ROBERTSON**, TIEMS Regional Director for North America
- **Jaroslav PEJCOCH**, Chairman of the Board of T-Soft a.s. (Czech Republic)
- **Sandro BOLOGNA**, TIEMS International Program Committee Chair, Past President of the Italian Association of Critical Infrastructure Experts AIIC (Italy)
- **Meen Bahadur Poudyal CHHETRI**, Professor, President of Nepal Center for Disaster Management and Director of the Department of Disaster Management of Dhading District, Under Secretary of the Ministry of Home Affairs, TIEMS Paper Review Committee Chair (Nepal)
- **Jean-Paul MONET**, Lieutenant-colonel, Head of Fire District, Chief of Division of Bouches-du-Rhône Fire Brigade (France)
- **Snježana KNEŽIĆ**, Professor, University of Split, Faculty of Civil Engineering, Architecture and Geodesy (Croatia)
- **Young Jai LEE**, Professor, Dongguk University, and Principle Investigator of Global DRR Technology Platform (South Korea)
- **George MARKOWSKY**, Professor, Missouri University of Science and Technology, Chair of TIEMS Academy (USA)

### Local Organizing Committee

- **Ji-Hyeob Ryu**, Professor, President of Hanlyo University, President of Korean Society of Disaster and Security
- **Soon-Joo Wang**, Professor, Medical Doctor, Hallym University Medical Center, Chairman of Local Organizing Committee of Korean Society of Disaster and Security
- **Gwonhyun Ko**, Professor, Dongyang University, Secretary General of Korean Society of Disaster and Security
- **Dong-Heon Kim**, Ph.D. President of Disaster Safety Institute, Scientific Program Committee of Korean Society of Disaster and Security
- **Chang-Sam Jeong**, Professor, Induk University, Department of Civil & Environmental Engineering, Scientific Program Committee of Korean Society of Disaster and Security
- **Kye-Won Jun**, Professor, Kangwon National University, General Management/Support Committee of Korean Society of Disaster and Security
- **Ho-Jin Lee**, Professor, Chungbuk National University, General Management/Support Committee of Korean Society of Disaster and Security
- **Moon-Se Lee**, Ph.D. National Forestry Cooperative Federation, Finance/Treasury Committee of Korean Society of Disaster and Security
- **Tae-Shik Lee**, Ph.D. External Cooperation/Public Relation Committee of Korean Society of Disaster and Security

- **D.K. (Dong Keun) Yoon**, Associate Professor, Yonsei University, Department of Urban Planning and Engineering, International Committee Chair of Korean Society of Disaster and Security

## Publication

TIEMS 2019 Annual Conference presentations will be published in the TIEMS Open Access Proceedings on the TIEMS website, [www.tiems.org](http://www.tiems.org). Selected papers will be invited for peer-review publishing in an international journal.

## Preliminary Conference Program Overview

Tuesday 12 <sup>th</sup> November	Wednesday 13 <sup>th</sup> November	Thursday 14 <sup>th</sup> November	Friday 15 <sup>th</sup> November
Registration	Registration	Registration	Guided Tour
Welcome & Introduction of the Workshops	Welcome & Opening	Plenary Session 2 Keynote Speakers	
Workshop 1	Plenary Sessions 1 Keynote Speakers		
Coffee Break with visit to Posters & Exhibition			
Workshop 2	Technical Session 1	Technical Session 4	
	TIEMS Annual General Meeting		
Lunch with visit to Posters & Exhibition			Late Lunch
Workshop 3	Technical Session 2	Technical Session 5	Farewell
Coffee Break with visit to Posters & Exhibition			
Workshop 4	Technical Session 3	Summary& Conclusions	
Welcome Reception	Gala Dinner		

## Keynote Speakers

### Korean Keynote Speakers

- **Dr. Sangseom Jeong**; ***“Adaptation technology of infrastructure under climate change”***



Sangseom Jeong is a professor of Yonsei University, an immediately past president of Korean Geotechnical Society (KGS), a vice chair of TC212 (Deep foundations) in ISSMGE (International Society of Soil Mechanics and Geotechnical Engineering), a chair of Asian TC-18 (Mega Foundations), a president of GIT4CC center. The main field of expertise is mega foundation of long span bridges and high-rise buildings, LRFD, pile foundation, deep excavation, landslides, debris-flow and slope stability. He is a passionate researcher of pile, drilled shafts deep foundation, landslide assessment and innovative engineer with proven leadership in management of a wide variety of national and international projects.



He has authored and served as a reviewer for many geotechnical journals. He has co-edited 15 national geotechnical engineering text books and authored about 87 SCI articles in major reputable international journals, 140 national journals, 83 international conference papers, 80 technical consulting reports and 50 patents in deep and shallow foundations, excavation and landslides and debris flow.

- Dr. Sangjun Im; ***“Engineering Design Considerations for Small Debris-Flow Mitigation Structures”***



Dr. Sangjun IM is a professor of Department of Forest Sciences, Seoul National University, Korea. He has served as the advisory board member of Urban Biodiversity & Design (URBIO), deputy coordinate of International Consortium of Landslides (ICL) network, and division board member of International Union of Forest Research organizations (IUFRO). He also worked as vice president of Korean Society of Environmental Restoration Technology, and Korean Society of Forest Engineering.

The main interest of his research is the hydrologic and hydraulic processes of landslide and associated debris flow on forested terrain and steep torrents. He has served as a reviewer for many scientific journals, and also a member of editorial board for Landslides (Springer), Landscape Ecological Engineering (Springer) and other journals. He published about 40 articles in high indexed journal, 100 papers for journals, and delivered many presentations in international conferences on forest hydrology, landslide and debris flow, and forest influences.

- Dr. Ja-Yeong Gu; ***“Current status and tasks of marine disasters management in Korea”***



Gu, Ja Young, the current Commander of Central Region Korea Coast Guard Head-Quarters has served Korea Coast Guard for 22 years and have been entitled Commander of West Region Korea Coast Guard Head-Quarters, Chief of Pyeong-Taek and Po-Hang Korea Coast Guard Station. He also has served in major position at the Korea Coast Guard Head-Quarters as the Director General of Equipment & Technology Bureau, Director of Audit and Inspection Division, Korea Coast Guard Spokesman.

Completing education at Korea Maritime University, he is profound with maritime environment as well as achieving great knowledge in maritime shipping and logistics during his overseas study in Japan. He also has accumulated experience in various fields such as Planning, Performance management, Situation Plan and control and so forth. Gu, Ja young is a leader who has a reasonable organizational management philosophy and a person with a warm sensitivity whom enjoys solving numerous issues by proactive communication approach.

- Dr. Seok Hong Lee; ***“Safety Issues in Construction Market Facing Industry 4.0.”***



In January 2015, Dr. Seok Hong Lee was appointed to the position of CTO as a Senior Vice President for Hyundai E&C in Korea, after serving for nearly 20 years in the company. He has taken full control of R&D activities in Hyundai E&C since then. He leads the R&D Division not only in developing novel technologies but also building an R&D paradigm innovation system for creating sustainable and higher value. Marquis who's who in the world has nominated him for construction technology development and contribution to the construction industry. Following upon the launch of the NTU-Hyundai Urban System Centre, supported by EDB, at Nanyang Technological University of Singapore in January 2016, his role was extended to the Chairman of the joint R&D centre. He has also served as a member of Industrial Advisory Board at NEWRI (Nanyang Environment & Water Research Institute) since March in 2019. He is also in pursuit of more R&D collaboration with Singapore government agencies such as JTC Corporation. In 2015, Presidential Medal for Industry was awarded to Dr. Lee by Korean government for great achievement in construction sector.

In October 1995, he commenced working for Advanced Material R&D Team in Hyundai E&C, and led the research on concrete, asphalt, road pavement and Intelligent Transport Systems for many years. In 2011 he became a Team Leader of R&D Planning & Strategy Team. Whilst in the team he focused on business creation-type R&D activities, and laid the groundwork for innovative global R&D. At the beginning of 2013 he was transferred to Energy & Environment R&D Group, rising to the position of Director for the R&D Group's operations in the renewable energy, desalination and water & environment technology sectors.

### ***International Keynote Speakers***

We are in the process of recruiting international keynote speakers.

### **Workshops**

- **Workshop 1:** Chaired by Dr. Yong Jai Lee, Korea

#### ***ICT Practices on Disaster management***

Case Studies related to IoT/smart factory, Cloud service, Big Data analysis, AR/VR will be introduced. It is expected that 4-5 Korean companies will present. Q&A and Discussions

- **Workshop 2:** Chaired by Dr. Sandro Bologna, Italy

#### ***TIEMS International Certification - TQC***

An update of the TQC concept, TQC functional requirements and implementation of TQC software platform - experience and further plans. Q&A and Discussions.

Two more workshops are in planning.

## Venue

KINTEX  
217-60 Kintex-ro, Ilsanseo-gu, Goyang-si, Gyeonggi-do, Korea

[http://www.kintex.com/client/\\_eng/c070101/c070101\\_00.jsp](http://www.kintex.com/client/_eng/c070101/c070101_00.jsp)

## Contact

Conference questions should be e-mailed to:

D.K. Yoon at [dkyoon@yonsei.ac.kr](mailto:dkyoon@yonsei.ac.kr)

## Exhibition

The international emergency management industries are welcome to exhibit their products, systems and solutions for improved resilience, and arrange local workshops for demonstrations.

## Registration and Payment

### TIEMS 2019 Annual Conference Registration Fees

Registration Type	Early Bird Until September 1 <sup>st</sup> 2019	September 2 <sup>nd</sup> - November 12 <sup>th</sup> , 2019	On registration
TIEMS Member	200 USD	250 USD	300 USD
Non TIEMS Member	250 USD	300 USD	350 USD
Government/Military/NGO	150 USD	200 USD	250 USD
Active Student	100 USD	125 USD	150 USD
Korean Local Resident	100,000 KRW	125,000 KRW	150,000 KRW
Exhibition Space (6 m <sup>2</sup> ) <sup>1</sup>	1500 USD	1500 USD	1500 USD

1. Exhibition Space Registration includes one full personnel registration
2. Registration fee includes one year TIEMS membership fee
3. No refund of registration fee after October 1<sup>st</sup> 2019
4. Registration fee includes access to the full conference program, lunch and coffee every day, social events, gala dinner, tour, conference paper program and conference proceedings on an USB
5. Volunteer options are available!

There will be arranged a TIEMS Gala Dinner on Wednesday 13<sup>th</sup> November 2019, and more details of this event will be given shortly. TIEMS accepts payment with PayPal, Credit Cards (Visa, Master Card and American Express) and Bank Transfer to TIEMS Account.

Please, use the following link for registration and payment:

<http://www.tiems.info/index.php/events-reg-pay/tiems-2019-annual-conference>

## TIEMS 2019 SPONSORSHIP PACKAGES

Enhance your business exposure and on-site awareness with one of our following sponsorship packages:

SPONSOR LEVEL SPONSOR BENEFITS	Bronze 2,000 USD	Silver 4,000 USD	Gold 6,000 USD
Recognition on Conference Program and Pre-conference Announcements	X	X	X
Recognition in TIEMS Newsletter (4 issues per year)	X	X	X
Recognition on TIEMS web site (for 12 months)		X	X
Recognition on TIEMS Conference web- site for 6 months (Preceding the Conference)		X	X
One quarter page Advertisement Space in TIEMS Newsletter (4 issues per year)	X		
One half page Advertisement Space in TIEMS Newsletter (4 issues per year)		X	
One page Advertisement Space in TIEMS Newsletter (4 issues per year)			X
Sponsor insert in Participant Handout/Bag at Conference		X	X
One Exhibition Space for Presentations at Conferences	X	X	X
One Sponsor-provided Banner at Conference			X
One Complementary Registration*) at TIEMS Annual Conference	X		
Two Complementary Registrations*) at TIEMS Annual Conference		X	
Three Complementary Registrations*) at TIEMS Annual Conference			X

For interest, please,

contact TIEMS President: [khdrager@online.no](mailto:khdrager@online.no)  
or conference Host: D.K. Yoon at [dkyoon@yonsei.ac.kr](mailto:dkyoon@yonsei.ac.kr)



## HOTELS

The MVL hotel is located very close to the conference venue, KINTEX, see below link:

<https://www.mvlhotel.com/daemyung.mvl.goyang.eng.main.ds/dmparse.dm>

The Korean chapter will ask the hotel to reserve a block of rooms for conference participants.

KINTEX provides some additional accommodation information in Seoul in their website.

[http://www.kintex.com/client/\\_eng/c040201/c040201\\_01.jsp](http://www.kintex.com/client/_eng/c040201/c040201_01.jsp)

But most hotels are not located close to KINTEX except the MVL Hotel.

However, there are many local hotels near KINTEX less than 100 US\$ per night

More information will be given later.

## TIEMS/KOREAN HOST SECRETARIAT

### CALL US

+32 2286 8038

### EMAIL US:

[Secretariat@tiems.info](mailto:Secretariat@tiems.info)

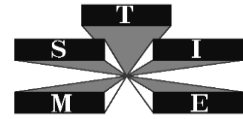
### FIND US

Rue Des Deux Eglises 39, 1000  
Brussels, Belgium

### 2019 TIEMS Host Point of Contact:

D.K. Yoon at [dkyoon@yonsei.ac.kr](mailto:dkyoon@yonsei.ac.kr)

## TIEMS 2019 DISASTER ETHICS WORKSHOP IN SOUTH AFRICA



*Rhodes University, Makhanda, South Africa, in collaboration with The International Emergency Management Society, Stenden South Africa and the South African Department of Rural Development and Land Reform invite you to participate in*

### **The 1<sup>st</sup> Eastern Cape workshop on Ethics in Disaster Situations**

**to take place at**

**Rhodes University in Makhanda, Eastern Cape, South Africa  
From 20<sup>th</sup> until 21<sup>st</sup> September 2019.**



### **Background to the workshop**

The number of disasters have been on the rise around the world in recent decades. In addition, the impacts and perturbations that disasters cause to the normal functioning of the social and ecological systems have been increasing in complexity and scope. The increased incidence of disaster events and their related outcomes have resulted in the shift of the focus from the response and recovery of the disaster management cycle, to the preparedness and mitigation phases of the same cycle in the practice of disaster management. Policy frameworks, systems of disaster (risk) management and the execution of all four stages of the disaster management

cycle are still highly relevant, but the scope of practice of the disaster management practitioners has been broadened and become more complicated. The community of stakeholders, that are pertinent to the execution of the four stages of the disaster management cycle, has also expanded substantially. Governmental and non-governmental stakeholders play an important role in the disaster risk management and reduction.

Positionality of disaster (risk) management practitioners has shifted and created new challenges for their professional conduct, interactions with vulnerable and disaster-prone/disaster-impacted communities and in navigating the landscape of practice in dealing with complex/Natech disaster, to name but a few examples. This ever-increasing complexity and nature of the profession has raised the requirement of the disaster management practitioners to adapt to new situations and to manage challenging landscapes of competing interests. This has and continues to result in new ethical challenges that disaster (risk) management practitioners must resolve and deal with in the day-to-day execution of their profession. Therefore the aim of the workshop is to provide a platform for disaster (risk) management practitioners to come together and discuss ethical challenges of their profession, to allow academics to engage with practitioners on the practical implication of the latest research findings in South Africa and Africa at large that have ethical implications.

The organising committee of the 1st Eastern Cape workshop on Ethics in Disaster Situations invites submission of abstracts for oral and poster presentations on the following topics:

- Role of disaster and societal challenges in Africa
- Ethical issues related to natural resource management in Africa
- Ethical issues and challenges in land management in Africa
- Ethical issues and challenges in disaster vulnerability
- Role of international organisations in setting standards of ethical conduct in emergency and disaster (risk) management
- Crisis management and professional ethics in public health
- Gender mainstreaming in disaster (risk) management
- Ethics and food security in Africa
- Ethics and development planning in Africa

### **Organizing committee**

K. Harald Drager (President of the International Emergency Management Society, Brussels, Belgium)

Associate Professor Roman Tandlich, PhD (Faculty of Pharmacy, Rhodes University, South Africa and the Regional Director for Africa of the International Emergency Management Society; the primary contact person for all workshop-related queries)

Associate Professor Joanna Dames (Department of Biochemistry and Microbiology, Rhodes University, South Africa)

Dr. Shelley Edwards (Department of Zoology and Entomology, Rhodes University, South Africa)

Dr. Lausanne Olvitt (Environmental Learning Research Centre, Faculty of Education, Rhodes University, South Africa)

Dr. Nelson Odume (Institute for Water Research, Rhodes University, South Africa)

Professor C. Sunitha Srinivas, PhD (Visiting Professor, Rhodes University, South Africa)

Dr. Siviwe Shwababa (South Africa Department of Rural Development and Land Reform, South Africa)

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*The International Emergency Management Society ([www.tiems.org](http://www.tiems.org))*

*Rue Des Deux Eglises 39, B - 1000 Brussels, Belgium, Tel: +32 2 286 80 38, Fax: +32 2 286 80 39*

*E-mail: [secretariat@tiems.info](mailto:secretariat@tiems.info)*

Dr. Rene Oosthuizen (Academic Dean, School of Disaster Management, Stellenbosch University, South Africa)

Dr. Des M. Pyle (Department of Geography, Rhodes University, South Africa)

Mr. Gbenga Morenjiki (Federal University of Technology, Minna, Nigeria)

Mr. Siyanda Manqele (Ethics Office/Research Office, Rhodes University, South Africa)

### Deadlines and important dates

Call for abstracts issued	13 <sup>th</sup> June 2019
Last day for the submission of abstracts	05 <sup>th</sup> July 2019
Acceptance or rejection of abstracts communicated to the applicants	20 <sup>th</sup> July 2019
Deadline for registration	31 <sup>st</sup> August 2019
Workshop	20 <sup>th</sup> September 2019
Excursion to disaster management facilities around the Eastern Cape	21 <sup>st</sup> September 2019

### Guidelines for abstract submission and formatting

All abstracts should be submitted via email to [roman.tandlich@gmail.com](mailto:roman.tandlich@gmail.com) or [tiemsafrika@gmail.com](mailto:tiemsafrika@gmail.com).

All abstracts must be submitted as a single file in Ms Word format (2007 or later) and single spacing should be used throughout the abstract file.

Title of the abstract should clearly define the topic of the abstract and should be centred on top of the page in Times New Roman font size 14 and in bold capital letters.

One empty line in Times New Roman font size 12 should follow the title.

Affiliations of the authors should be listed next in the text of the abstract in Times New Roman font size 10 and the text of the authors' affiliations should be justified.

Body of text of the abstract should follow next in Times New Roman font size 12 and justified. The length of the abstract should not exceed 300 words.

The body of the abstract should be followed by 3-5 keywords that capture the topic and the content of the abstract.

### Registration

No registration fee will apply for participating by authors/presenters of accepted abstracts. All participants will be responsible for their own travel arrangements and expenses, as well as their own accommodation arrangements and expenses. Each presenter will be provided with an electronic copy of the book of abstracts. Refreshments and light lunches will be provided during the workshop to all participants. Space is limited and more details about the registration procedure to follow soon.



## TIEMS INTERNATIONAL CERTIFICATION - TQC TEST CANDIDATES



### TIEMS International Certification - TQC Test Candidates



#### Introduction

TIEMS believes that education and training are key to improved resilience worldwide. TIEMS is therefore offering a comprehensive international education, training and certification program. TIEMS wants to promote an internationally shared understanding of emergency management elements, systems, qualifications, and terminology, and this is embedded in **TIEMS TQC Certification**, or the full name: **TIEMS TQC International Certification - Operations and Good Practise**.

TQC stands for - TIEMS QIEMD Certification where QIEMD is "Qualifications in International Emergency and Disaster Management".

In the future it will be named TIEMS International Certification or only TQC when referred to.

TIEMS motto is:

**Preparedness Saves Lives!**

TIEMS International Certification will be ready for the first Candidates at the end of 2019.

#### Test Candidates

In order to see to it that TIEMS International Certification - TQC, is relevant and appropriate and fulfilling the needs of the emergency management and disaster response community, and that it is up-to-date and using state-of-the-art technology, we have invited experienced professionals with different backgrounds and experience and from different countries, to be test candidates of TQC before it is opened to the community of professionals. Their role is to test the system from A to Z and give valuable feed-back on the quality, operational aspects, and relevance of this certification, to allow TIEMS to tune it to the needs of community experts.

The present Test Candidates are:

- |  |  |
|--|--|
| 1. <a href="#">Larry Porter</a> , USA          | 5. <a href="#">Amardeep Bhardwaj</a> , India     |
| 2. <a href="#">Gbenga Morenikeji</a> , Nigeria | 6. <a href="#">Roman Tandlich</a> , South Africa |
| 3. <a href="#">Naill Momani</a> , Jordan       | 7. <a href="#">Desiree Beekharry</a> , Australia |
| 4. <a href="#">Ji (Jack) Zhang</a> , China     |  |

We plan to recruit more Test Candidates from other countries.

The Test candidate's brief bios with picture follow.



**LARRY A. PORTER, PH.D., CEM®,  
COLONEL (RETIRED) USA**



Dr. Porter retired in 2003 from the Army National Guard (ARNG) with just under 34 years of service, ending with 18 years of Federal Active Guard/Reserve (AGR) service. He began his military service (M-Day) as an Infantry officer in Massachusetts, changing to Combat Engineer in Maine. He went on Title 10 AGR in 1985 with duty assignments in ROTC at University of Maine; Automation Officer at ARNG HQ in Virginia; Reserve Component support at Fort Drum, NY; Senior Reserves Advisor to the Iceland Defense Force in Iceland; and deputy division chief at ARNG Operations Division at ARNG Headquarters. He was part of the standup of Joint Task Force - Civil Support (JTF-CS) in Norfolk, VA. His last duty assignment was as the first National Guard (NG) Liaison Officer to FEMA (Federal Emergency Management Agency), where his interest in emergency management as a follow-on career was stimulated.

He earned a Ph.D. in Engineering Management in May 2010 (concentration in Emergency Management) from The George Washington University's Institute for Crisis, Disaster, and Risk Management (ICDRM). His research focused on Defense Support of Civil Authorities (DSCA), specifically on differences in National Guard and Department of Defense support to local emergency managers. His advisor was John R. Harrald, Ph.D. Dr. Porter was awarded Certified Emergency Manager (CEM®) by the International Association of Emergency Managers (IAEM) in 2006, recertified in 2011 & 2016, and he has been active in several IAEM committees/caucuses: Training and Education Committee, Marketing and Membership Committee, and the Uniformed Services Caucus. He is a past chair of the Bylaws and Resolutions Committee.

He worked for the Headquarters U.S. Air Force Homeland Operations Division, Civil Support Branch, in a civilian position at Bolling AFB, as a Consequence Management Program Analyst, during June 2011 - August 2012. The branch writes, revises, and vets USAF policy, guidance, and instructions in the areas of homeland security and defense support of civil authorities. Dr. Porter has been course developing and teaching master's degree courses online (Adjunct Associate Professor) for over a dozen years. He last instructed for the University of Maryland University College, and has also worked for Arkansas Tech University, Colorado Technical University, The George Washington University, and Norwich University's online School of Graduate and Continuing Studies.

Dr. Porter is currently president of the Council for the Accreditation of Emergency Management Education (CAEME), an organization in existence for about 15 years that has established peer-reviewed emergency management education standards, and assesses and accredits college and university emergency management education programs. Website: [www.caeme.education](http://www.caeme.education)

Dr. Porter resides in High Point, North Carolina, USA.



**Gbenga Morenikeji,  
Disaster and Environmental Risk Expert,  
Minna University, Nigeria**



Gbenga Morenikeji is a Disaster and Environmental Risk expert. He is currently a Co-coordinator for Information and Policy advocacy and Research and Development units at the Centre for Disaster Risk Management and Development Studies, and doubles as an academic staff at the department of Estate Management at the Federal University of Technology Minna.

He is a Fellow of Disaster Resilience Leadership Academy and Fellow of the Institute of Global Facilities Management. He has presented technical papers on: Community Engagement and Mainstreaming Awareness and Preparedness for Emergency at Local Levels during the APELL side event at the Environment and Emergencies Forum held at United Nation House, Kenya, in 2017; and Hazard and Risk Identification in Nigeria, delivered at the 2016 1st Africa UNEP Awareness and Preparedness for Emergency at Local Level train-the-trainers held at the United Nations house, Ethiopia, in 2016 and during the Africa-Arab platform in Tunis, 2018.

Gbenga was the Desk officer, FUT, Minna, University of Tulane, USA collaboration on Strengthening Leadership in Disaster Resilience Program. He is the current Chairman of the Committee on DRR Volunteer Club, (Minna); Secretary, Journal of Disaster Risk Management; Secretary, Niger State joint DRR School quiz committee; and Coordinator West Africa Disaster Resilience Leadership Fellows Network.

He has served as UNEP Webinar Panellist on 'Sharing Experience on implementing APELL'; Organizing team member for the 2017 Global Platform for Disaster Risk Reduction Plenary 1 - 2016; UNEP Webinar Panellist on Typical Risk Assessment Methods: Practical way to conduct Community Risk Vulnerability Assessments, 2016; and Member of the Drafting Group (DG) for "Sendai Framework on Disaster Risk Reduction guide on technological / manmade hazards, Chaired by UNISDR/UNEP/OCHA Environment Unit from October, 2016.

He is a member of Network of Land Governance Researchers in Africa (NELGRA) and Network of Excellence for Land Governance in Africa (NELGA). Gbenga is currently the Africa Region Focal Point for the UNEP/APELL programme.



**Naill Momani, Ph.D,  
Associate Professor  
Jordan**



Dr Naill Momani is Associate Professor of Management within School of Logistic and Management at German Jordanian University in Jordan. He is a highly experienced and capable academic with an impressive track record of teaching, leadership, publication and training delivery within industry span over 15 years since 2002. Dr Naill has held the Program Chair for Integrated Emergency Management and Business Continuity Management Department at Rabdan Academy in Abu Dhabi, UAE; he was a founding member of the Prince Megrin Chair for Crisis Management and Research Unit Director at King Abul Aziz University (KAU) in Saudi Arabia, at which he was also instrumental in establishing the 1st Master's degree in Crises Management in Saudi Arabia at KAU.

Furthermore, he was Department Chair, Crisis Management Committee Chair, and member of the Academic Council at the Hashemite University (HU) in Jordan. He has developed and delivered more than 15 courses, which are currently taught at KAU, HU and RA within MBA, EMBA, and in distance learning programs. Courses include business continuity management, crises and emergency management, risk management, environmental management, total quality management, research methodologies, MIS, organizational behaviour, project management, production and operations management, amongst others. Dr Naill supervised one Ph.D. thesis and several MBA thesis during his work at KAU.

Dr Naill is also an approved and experienced Business Continuity Institute (BCI) trainer. Previous clients include the World Bank, the Arabian Gulf University in Bahrain, and Jeddah municipality and the Makkah Disaster Management Centre in Saudi Arabia; along with the Jordanian Civil Defence and Ministry of Interior. Other selected clients include General Executive Secretary Council (GES) in Abu Dhabi, NES (National Electronic Security Authority), Department of Economic Development (DED) the United Arab Emirates (UAE). Dr Naill holds a BSc in Civil Engineering the University of Jordan and a PhD in Engineering Management, Crisis, Risk and Emergency Management from the George Washington University in the United States of America. He has an extensive publications record with more than 30 peer-reviewed articles to date. He has also been interviewed several times on TV and within print media and has worked with numerous international organizations, governments and agencies, most notably the United Nations International Strategy for Disaster Reduction (UNISDR).

Dr Naill is a frequent participant on international scientific committees and workshops and has given more than 100 talks as a guest and key-note speaker around the world. This includes active membership of the Environmental Society of Jordan, guest editor and editorial board member and reviewer for international peer reviewed journals such as The International Emergency Management Journal, selected as ADEC (Abu Dhabi Education Council) external reviewer, and Co-Chair for The International Emergency Management Society (TIEMS) Middle-East and North Africa (MENA) Chapter.





## Ji (Jack) Zhang, Ph.D, President of DoraPower China



Dr. Ji (Jack) Zhang is the President of Beijing DoraPower Technologies Company and board member for several corporations in China. He has a Ph.D of management from China Academy of Sciences, MBA from Peking University and BE of Electrical Engineering & BS of Applied Mathematics from Tsinghua University. Dr. Zhang has abundant working experiences in the industry of Emergency Management and Disaster Risk Reduction, especially in the CCDRR education for campus students in the form of arts.

Dr. Zhang is the undertaker of the Emergency Response System (ERS) research project for the State Council of China, the consulting member of Beijing Emergency Management Expert Group, the chief designer for the ERS platform of the Beijing 2008 Olympic Games, the production base CEO of the Film, TV, Audio and Video Center of the China National School of Administration, and the project taker of “Future School 2030” of the Ministry of Education of PRC. He has published extensively and is a member of various leading professional and scientific organizations, including the Healthcare Information and Management Systems Society, the Organization for the Advancement of Structured Information Standards and the PSC Europe Forum. Dr. Zhang is presently the Treasurer of The International Emergency Management Society (TIEMS) and the VP of TIEMS China Chapter.

Dr. Zhang leverages international standards for children’s safety education such as CSS and PPDRR Key Messages drafted by the UNDP, UNISDR and STC into practices in China and creates “A+CCDRR” which stands for “Art + Child-Centered Disaster Risk Reduction”. It provides comprehensive children-oriented and school-based education services for disaster prevention and mitigation in the form of arts including “A+CCDRR” drama competitions, stage lectures, courses, extracurricular activities and films. “A+CCDRR” aims for resilience improvement for the 0.21 billion Chinese students of elementary and middle schools, who can take part in these activities with personal performance on safety-education stage plays and watch safety TV shows and movies. DoraPower also provides tools and practical services for campus risk assessment and student preparedness improvement.

Based on the experience of A+CCDRR, Dorapower has produced a safety-education film called “My Great Mother”, which is the first film on campus safety education in China and has received strong support from the Chinese Academy of Governance, Ministry of Education of PRC, Ministry of Emergency Management of PRC, Central Committee of the Communist Youth League, China National Arts Fund, UNDP, Beijing Normal University, Harvard University and others. The film is expected to be released in the movie theaters in China during summer vacation of 2019.



## Major General Amardeep Bhardwaj Transformationalist, India



### CORE COMPETENCY

ORGANIZATIONAL  
TRANSFORMATION THROUGH  
THOUGHT LEADERSHIP

### SKILLS & COMPETENCIES

- Envisioning, Ideation & Creative Thinking
- Strategizing, Senior Level Decision Making
- Senior Management & Administration
- Leading Academic/Training Institutions

### SPECIALISATIONS

- Leadership
- HR & Resource Management/Development
- Disaster / Emergency Management
- International Relations, Defense & Security
- Academic Excellence & Pedagogy
- Leadership & Transformation Driver
- Strategist - Advisor - Consultant
- Ideator / Innovator / Creative Thinker
- Head: Academic (Training) Institution
- Member: Think Tank / Knowledge Hub
- Independent Director

### MEMBERSHIPS

- All-India Management Association
- International Emergency Management Society
- United Services Institutions of India

### ACHIEVEMENTS

- Empowered and Transformed four large-scale & three medium-scale defense organizations to give phenomenally improved output. Transformations included direction/ goal-setting, process re-engineering, structural changes, work-redefinition and optimization of manpower, financial as well as other resources. In the current position, transformed the DSSC to bring it at par with the world's best military institutes.
- Member: Board of Examiners for PhD, Madras University & Centre for Strategy, USI
- Lectured at International Conferences at Osaka, Japan (2017), Beijing, China (2016), Ales, France (2011) & Berlin, Germany (2010)
- Awarded twice by the Army for Intellectual Acumen & Academic Excellence (Distinguished Service Awards).

### REFERENCES

- Brig (Dr.) B D Mishra (Retd), Governor Arunachal Pradesh
- Mr Bijender Kumar Punia, Vice-Chancellor Maharshi Dayanand University
- Lieutenant General Ranbir Singh, AVSM\*\*, YSM, SM, General Officer Commander-in-Chief, Northern Command



**Roman Tandlich, Ph.D,  
Associate Professor  
Rhodes University, South Africa**



Roman Tandlich was elected TIEMS Regional Director for Africa, and he is in the process of arranging the first TIEMS workshop in South Africa on the topic Disaster Ethics in September 2019. In this workshop will also be informed about TIEMS organization and worldwide activities. It will be proposed establishing a TIEMS South Africa Chapter. This chapters will thebe building up TIEMS activity in South Africa, and invite the emergency management and disaster response experts in South Africa joining TIEMS worldwide network of experts. The TIEMS International Certification - TQC, will be promoted in South Africa through the TIEMS South Africa Chapter.

As a part of the TQC Curriculum, Roman will develop and make available a course on Disaster Ethics.

Roman Tandlich is originally from Slovakia where he completed his education up to Masters level. This occurred in 1998 and his background was originally in Biotechnology. He then continued on to complete his PhD in Pharmaceutical Sciences at North Dakota State University in Fargo, USA. After two postdoctoral fellowships, Roman joined the Faculty of Pharmacy at Rhodes University in South Africa in 2008. He has been with the same department since then and has recently been promoted there to the rank of Associate Professor. He has expertise in public health, water and sanitation and Disaster ethics.

Roman Tandlich has been working in the field of emergency and disaster management since 2011. With background in biotechnology, Roman Tandlich got involved in the development of low-cost and decentralised sanitation technologies. During the rollout of one such technology, policy and technical skills shortages at local government level. This resulted in the shift of focus of Roman Tandlich's research towards disaster management approaches towards shift action to address water, sanitation and hygiene challenges in developing countries. This has led to the development of new teaching and research tools to deal with public health, disaster risk reduction and Development.



## Desiree Beekharry, DPM Utilisation Program Manager for the Bushfire and Natural Hazards CRC, Australia



Dr Desiree Beekharry is the Utilisation Program Manager for the Bushfire and Natural Hazards CRC. The CRC's mission is to ensure the Australian communities' resilience to natural hazards. Dr Desiree Beekharry's remit is to ensure that the high level research which are conducted in consultation with the emergency services sector are fit-for-purpose and are adopted by the various emergency services agencies. Dr Beekharry currently manages a research workforce across Australia and New Zealand of over 60 projects. She comes from a long event, project and program management career in several countries including UK, USA, France, Germany, Spain and Switzerland. Her 2 professional passions are Project Management and Disaster Management - especially Risk in Disaster Management. Dr Beekharry is also a tutor and supervisor for the Master of Project Management Program at the University of South Australia and Torrens University. She is a qualified and experienced ESOL and French teacher, Conflict Negotiations trainer and facilitator.

Mauritian born, Dr Desiree Beekharry's first 'contact' with a natural hazard was living through a Category 5 cyclone. That experience at the age of 8 has left a lasting picture in her mind of the forlorn look in people's eyes as they surveyed the aftermath of such a disaster. She has wanted to contribute to disaster resilience since.

Dr Beekharry's experience in disaster management comes from working with the UN as an Emergency Travel and Conferences Coordinator; for the South Australian Fire & Emergency Services Commission where she performed Risk Assessments, Risk Mitigation and Treatments activities on various zones for Flood, Earthquake, Heatwave, Bushfire (Wildfire), Extreme storm, escape of Hazardous Materials, Animal & Plant Disease, Urban Fire and Storm surge. Desiree was also member of the CARE team at American Airlines.

### Qualifications:

BA in Tourism Management, Master of Project Management & Doctor of Project Management  
Professional memberships: PMI, APM & AIPM

Her Master's thesis is titled: **Risk in Emergency Management: *Decision making in low-probability, high consequence risks when faced with uncertainties***

Her doctoral thesis is titled: **Applying Agile Project Management Methodology to Natural Disaster Projects**

Desiree lives in Adelaide, SA, Australia with husband Marc, son Ricky, dog Cookie and cat Chairman Mao. Her regular activities are: Squash, badminton, running, Tai Chi, Taiko, cooking, carpentry.



## TIEMS NEW CHAPTERS

Based on below letter from the French TIEMS members, TIEMS Board of Directors, accepted forming TIEMS France Chapter, and the new TIEMS France Chapter being the host of TIEMS 2020 Annual Conference, to be held in Marseilles, 14 - 17 October 2020.



Haut Comité Français pour la Résilience Nationale  
40 bis Rue Fabert  
75007 Paris  
FRANCE

Mr K. Harald Drager  
Rue Des Deux Eglises 39  
1000 Brussels  
BELGIUM

May, 24th 2019

Dear Mr K. Harald Drager,

As agreed, we are writing you to confirm our willing to join The International Emergency Management Society (TIEMS) as the new French chapter is being created.

Here are the 5 founders of the French chapter:  
Mr Christian Sommade  
Mr lieutenant-colonel Jean-Paul Monet  
Mr Eric Bruder  
Mr Gilles Dusserre  
Mr Eric Rodriguez

Mr Stéphane Schmoll and Mr Joseph Pollack are also willing to join the French chapter.

Moreover, we are delighted to inform you that we would like to organize an International Conference from the 14<sup>th</sup> to the 17<sup>th</sup> of October 2020 in Marseille at the same time of The National Firefighters Congress and in partnership with The National Federation of French Firefighters (FNSPF). The theme of the conference would be "Risk, Housing and Citizenship".

If there is any further information you might need do not hesitate to contact us.

We look forward to hearing from you.

Yours faithfully,

Christian Sommade  
Délégué Général  
Haut Comité Français pour la Résilience Nationale

## A EUROPEAN EXPERT HUB FOR WILDFIRE EXPERTISE

### Preparatory Action Network of European Hubs for Civil Protection and Crisis Management

#### INCREASING RISKS FROM NATURAL DISASTERS

Europe is increasingly facing the dramatic impacts of intense and unpredictable natural disasters with ensuing loss of life, destruction of property and cultural heritage. Climate change is amplifying the impacts of extreme weather events in Europe and worldwide. Key trends show, for example, how climate change is contributing to increased intensity of forest fires and a longer forest fire season in Southern Europe, the expansion of fire-prone areas northwards, as well as increased storms and risk of flooding. Moreover, in a shared risk landscape, natural disasters do not respect national borders and require therefore increased collaboration among Member States.

This Preparatory Action 'European Hubs for Civil Protection and Crisis Management' was adopted by the European Parliament to support the disaster preparedness in the Union and its Member States in the framework of the Union Civil Protection Mechanism (UCPM) and to better tackle the new challenges posed by the changing risk landscape in Europe.

#### PREPARATORY ACTION

Preparatory actions and pilot projects are initiatives of an experimental nature designed to test the feasibility and usefulness of actions and to prepare new actions like EU policies, legislation, and programmes. They are meant to try different approaches, develop evidence-based strategies to address a problem, identify good practices, and provide guidance for possible future initiatives. As such, the preparatory action 'European Hubs for Civil Protection and Crisis Management' is an opportunity to explore the concept of hubs for civil protection and to propose a theoretical model for the development and setting up of such hubs.

The Commission, in close cooperation with the participating states, will then decide whether and how to implement this theoretical model. For this reason, the project will help the Commission to assess the feasibility and relevance of the creation of hubs for civil protection.

#### OBJECTIVE OF THE PROJECT

The objective of the project is to formulate a concept and a model for European hubs for civil protection and disaster management. The concept of civil protection hub should build on the need to ensure an optimum use of the disaster management knowledge and expertise that exists in Europe, through its further integration into existing practice. Within the scope of the project, a series of concrete activities will be designed to test the feasibility and adequacy of the proposed concept. This set of activities will take the shape of a pilot hub on wildfire risk management. Based on the experiences of the wildfire pilot hub, a generic hub-model will be proposed to provide guidance for a potential future initiative of the UCPM participating states.



Funded by  
European Union  
Civil Protection and  
Humanitarian Aid

## PROJECT ACTIVITIES AND OUTPUTS

The project started in February 2019 and will be concluded in February 2020. The activities of the project will consist of:



\*the topics of the trainings will be defined based on the identified gaps during the mapping exercise and the discussions held for the definition of hubs for civil protection.



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European Union  
Civil Protection and  
Humanitarian Aid

## PROJECT DETAILS

Under the supervision of the Commission, the project is implemented by the following consortium:

Lead partner

Ecorys  
ARTTIC

With the support of

Fraunhofer-Gesellschaft (FhG-INT)  
International Emergency Management Society (TIEMS)  
Global Fire Monitoring Centre (GFMC)  
Centre for Security Studies (KEMEA)  
Emergency Services College (ESC)  
Agency for the Integrated Management of Rural Fires (AGIF)  
Forest Fire Fighting Volunteer Corps of Piemonte

For more information, please contact:

Martina Benassi (Desk Officer – DG ECHO) [martina.benassi@ec.europa.eu](mailto:martina.benassi@ec.europa.eu)  
Brigitte Slot (Project Manager - Ecorys) [Brigitte.Slot@ecorys.com](mailto:Brigitte.Slot@ecorys.com)  
Andreas Seipelt (Dpt. Project Manager - ARTTIC) [seipelt@arttic.eu](mailto:seipelt@arttic.eu)



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Civil Protection and  
Humanitarian Aid

## Invitation to the Consultation Workshop on the development of a concept for a European Hub for Civil Protection and Crisis Management

25 - 26 June 2019

Rotterdam, the Netherlands

On behalf of the European Commission - DG ECHO, Ecorys is pleased to invite you to a consultation workshop on the development of a concept for a European hub for civil protection and disaster management.



*Wildfire in Sweden in the summer of 2018*

The workshop is organised in the framework of the preparatory action 'Network of European Hubs for Civil Protection and Crisis Management' (for more information about the project please refer to the attached information sheet – Annex 1).

The workshop will be an opportunity to bring together experts to design and build a common understanding on the concept of civil protection hubs.

The aim of the preparatory action is to assess the feasibility and relevance of civil protection hubs. Therefore, it is key to receive inputs from practitioners, trainers and researchers in the area of civil protection and disaster management across the UCPM participating states to set the basis for the possible future development of civil protection hubs.





## OBJECTIVES OF THE WORKSHOP

The objective of the workshop is to gather and generate new ideas for the development of a concept for a European hub for civil protection and disaster management.

To this end, the following activities will be proposed:

- Sharing of best practices and lessons learnt from national and regional initiatives related to the setup and operation of 'knowledge and innovation hubs' or 'centers of excellence.'
- Sharing of lessons learnt from recent UCPM activations with the aim to identify needs and requirements from the UCPM participating states and selected experts in relation to the envisioned concept of the hub.
- Discussion for the definition of a concept of a European hub for civil protection, in particular in the field of wildfire risk management.

## PARTICIPATION

Participation in this workshop is open to civil protection and disaster management experts from both the operational and management levels, coming from the civil protection authorities, training centers and experts from the scientific community. Two representatives of each UCPM participating state are invited. Of particular interest would be:

- Representatives of national and regional 'knowledge and innovation hubs' or 'centers of excellence' in the field of civil protection and disaster management as well as other sectors.
- Representatives from national and regional initiatives dealing with training, research and innovation in relation to civil protection in general and wildfire risk management in particular.
- Participants with involvement in recent UCPM response missions, in particular related to wildfires.

Ecorys has identified a number of organisations, projects and initiatives that could be invited to the workshop (see Annex 2).

## PROGRAMME

The workshop will include plenary and interactive discussion-based sessions. It will start on Tuesday 25 June at 12 AM with registration and lunch and will end on Wednesday 26 June at 2 PM. The workshop and accommodation will take place at the World Trade Center Rotterdam (tentative) and NH Hotel Atlanta. Additional information about the agenda will be shared in due course.

## REGISTRATION

Participants are invited to register for this workshop via the following link not later than 20 May 2019:

<https://forms.gle/VZmSjMzoEbWYtXse8>

## TRAVEL AND ACCOMMODATION

Travel and accommodation will be arranged and paid by the organizer for a maximum of two representatives per participating state. This also includes lunch and dinner on 25 June, breakfast (at the hotel) and lunch (at the venue) on 26 June. Other costs (such as travels to and from the airport) will have to be paid by the participants.



### ABOUT ECORYS

Ecorys is an international research and consultancy firm based in Rotterdam, Brussels, London and several other European and non-European cities. Ecorys is the main contractor of the project 'Network of European Hubs for Civil Protection and Crisis Management' on behalf of DG ECHO.

For more information, contact the workshop organization team at [workshop@ecorys.com](mailto:workshop@ecorys.com)

### ANNEXES

Annex 1: Project Overview

Annex 2: Preliminary list of possible stakeholders (organisations, projects, initiatives)





## European Hub for Civil Protection and Crisis Management

PRELIMINARY **Agenda Consultation Workshop**



25 - 26 June 2019  
World Trade Centre  
Rotterdam, the Netherlands



Funded by  
European Union  
Civil Protection and  
Humanitarian Aid



### DAY 1: 25 June 2019

1200 - 1300 Registration and lunch

1300 - 1315 Plenary Opening – Welcoming words  
 1300 - 1310 Planning of the day (Ville-Veikko Pitkänen / ESA)  
 1310 - 1315 European Commission (Anne Simon / DG ECHO)

1315 - 1400 Plenary A Concept for a European Hub for Civil Protection and Crisis Management  
 1315 - 1325 European Commission (Martina Benassi / DG ECHO)  
 1325 - 1340 Operational brief - Experiences from the Wildfires in Sweden  
 Jean-Paul Monet / TIEMS  
 1340 - 1400 Introduction project (Brigitte Slot / Ecorys)

1400 - 1430 Plenary Commentary notes  
 João Verde / AGIF  
 Georgios Eftychidis / KEMEA

### 1430 - 1500 Coffee break

1500 - 1530 Plenary Commentary notes  
 Johann Georg Goldammer / Global Fire Monitoring Centre  
 Jordi Vendrell / Pau Costa Foundation

1530 - 1545 Plenary Group work - Introduction  
 Objectives and needs for a European Hub - In what areas could a European Hub serve the community?  
 Moderator and facilitator

1545 - 1645 Small groups Group work  
 Facilitators and participants  
 45 min discussion + 15 min wrap up

1645 - 1700 Plenary Group work - Introduction  
 Potential challenges (governance, coordination and operations) for a European Hub and how to tackle them  
 Moderator and facilitator

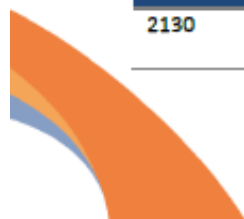
1700 - 1800 Small groups Group work  
 Facilitators and participants  
 45 min discussion + 15 min wrap-up

1800 Plenary Reports from groups  
 Wrap up DAY 1  
 Moderator

1830 End of the official programme of the first day

### 1900 Dinner at Brasserie Staal

2130 Check-in hotel / NH ATLANTA  
 Please consult the information folder (which you will receive upon arrival).





## DAY 2: 26 June 2019

0700 - 0830 Breakfast and check-out hotel

0900 - 0905 Plenary Welcome to day 2 - Introduction of the day  
Ville-Veikko Pitkänen / ESA

0905 - 0930 Plenary Trainings – Introduction  
Potential topics to be offered by the envisioned Hub in the field of forest fire training  
Jean-Paul Monet / TIEMS  
Sergio Pirone / AIB

0930 - 1030 Small groups Task 3 – Training needs  
Facilitators and participants

1030 - 1115 Plenary Reports from the groups  
Participants

1115-1145 Coffee and group photo

1145 - 1200 Plenary Next steps of the project  
Moderator

1200 - 1230 Plenary Discussions  
All

1230 - 1300 Plenary Closing words  
Project Manager (Brigitte Slot / Ecorys)  
European Commission (Martina Benassi / DG ECHO)

1300 - 1400 Lunch and departure





## E-CITIJENS CIVIL PROTECTION EMERGENCY DSS



E-CITIJENS Civil Protection Emergency DSS based on CITIzen Journalism to ENhance Safety of Adriatic Basin

The 2,5 year project aims at enhancing the capacity of Italian and Croatian Civil Protection systems to reduce natural and man-made risks by means of advanced “social media based” emergency management tools. Citizens are directly involved in awareness raising activities and in virtual communities on risk management. The goal will be met through cross-border cooperation by implementing the following actions:

- strengthening Civil Protection (including Coast Guard) chain of command in both countries;
- building an open communication channel for risk events.

Civil Protection’s functionalities in crisis situations will be improved by establishing Crossborder Functional Centers in each country equipped with an advanced and efficient decision support system in order to monitor risks more efficiently, manage emergencies and coordinate involved forces during disasters and emergencies.

The newly establish communication channel will be updated in real time by collecting and using citizens’ information voluntarily provided via social media (citizen journalism) to report hazardous situations and events and their progress.

Moreover, the abovementioned goal will be sought by promoting cross border policies that can harmonize and improve both countries’ current legislations on risk management and their overall efficiency.

One of the most challenging parts will be the inclusion of citizens through social media. The use of social media in disaster an emergency management has been the hot topic for a long time. The key issue is the trustworthiness of the information posted by citizens and how to efficiently integrate them into the emergency operations. Apparently, the communication has to be two-way, from civil protection service to citizens and vice versa, fostering citizens to be as responsible as possible when tweet about emergency situations. The solution in the project will still rely on human judgment and gathered posts from social media will be checked by emergency operators. The valid tweets will be used by commanders during the decision-making operations.

Taking into account the fact that civil protection centers in both countries have to oblige to their national laws and operational procedures, the new system will be supplement to the established ones being a support during interventions and early warning.



E-CITIJENS team gathered during the kick-off meeting in Molise region, Italy

## AFAC19 CONFERENCE IN MELBOURNE, AUSTRALIA

### Research Activities within European Union Research Programs for Improving Preparedness and Resilience

By

K. Harald Drager<sup>1</sup>, Sandro Bologna<sup>2</sup>, Snježana Knezić<sup>3</sup>, and Thomas Robertson<sup>4</sup>

[www.tiems.org](http://www.tiems.org)

#### Abstract

TIEMS is an international not for profit NGO, registered in Belgium, operating in its 26<sup>th</sup> year. TIEMS has chapters in 14 countries around the world and is in the process of establishing three new chapters this year. TIEMS activities comprise international conferences and workshops; research and development activities; and education, training and certification programs. TIEMS's slogan is: Preparedness saves lives.

Since 2006 TIEMS has participated as a consortium partner in EU R&D programs to improve emergency preparedness. In addition, TIEMS experts have been members of user groups and advisory boards for a variety of other EU projects focusing on preparedness in Europe and worldwide. Most recently this work has been supported by the EU Horizon 2020 program, which will have invested 100 billion Euro in R&D by the end of 2020.

Four EU projects where TIEMS has been a consortium partner are: NARTUS (addressing important public safety communication issues); ASSET (improving trust between authorities and the public for pandemics and epidemics); HERACLES (protecting cultural heritage sites from climate change), and DG ECHO Wildfire HUB (establishing an expert HUB in Europe to support wildfire fighting and to serve as a prototype for additional expert HUB's for other disasters in Europe). This paper summarizes the approaches developed by these programs to improve emergency preparedness.

TIEMS has also launched its own internal R&D project to develop a curriculum and on-line system for TIEMS International Certification - TQC, which aims to become an internationally recognized certification of qualifications in global emergency management. This paper describes the structure and operational aspects of this project .

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**afac19**  
powered by **INTERSCHUTZ**

## CONFERENCE PROGRAM

A shift to the new norm: riding the wave of change

MELBOURNE CONVENTION AND EXHIBITION CENTRE

27 – 30 AUGUST 2019

afacconference.com.au #afac19

Running concurrently with the:  
Australian Disaster Resilience Conference  
Institution of Fire Engineers National Conference



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**Steve Warrington** AFISM  
Chief Officer  
Country Fire Authority, Victoria



On behalf of colleagues in Victoria, we are proud to host AFAC19 powered by INTERSCHUTZ. We have worked hard to produce a conference program and exhibition demonstrating the leading edge of knowledge and practice across the emergency management sector.

Under the theme of A shift to the new norm, riding the wave of change, we are excited to present a thought-provoking program, sharing insights from Australia and around the world. The program will focus on how our communities, environments and systems are evolving and adapting to change.

Our committee received a record number of abstract submissions, all of which were of a very high standard. This made the Program Committee's job to select the successful abstracts a difficult one, but we are pleased to present a strong program alongside inspiring keynote and invited speakers.

AFAC19 powered by INTERSCHUTZ also gives us the valuable opportunities to network with our peers from across the sector. We look forward to welcoming you to Melbourne to share knowledge and exchange ideas, as we learn and reflect on how we can adjust to the new norm.

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**Stuart Ellis** AM  
CEO  
AFAC



AFAC19 powered by INTERSCHUTZ, will bring together the combined wisdom of experience, research and analysis from across the sector. The conference is where the Australasian emergency management sector comes together to collaborate, network, share ideas, and gain understanding from the global community.

Continuing our partnership with Hannover Fairs Australia and the Bushfire and Natural Hazards CRC, we are proud to present our comprehensive three-day program.

Each year the conference offers unique opportunities for networking and knowledge exchange. I am very pleased to offer both the Australian Disaster Resilience Conference and the IFE Australia Conference as concurrent streams of AFAC19, meaning AFAC19 delegates are able to attend those sessions.

Alongside the conference program will be the largest INTERSCHUTZ exhibition to date, showcasing the latest technology, equipment and innovation from around the globe. Together, the program and exhibition ensures that AFAC19 is the most comprehensive emergency management conference in our region.

I look forward to welcoming you to Melbourne.



**Dr Richard Thornton**  
CEO  
Bushfire and Natural Hazards CRC



Fires, floods, cyclones, storms and earthquakes have shaped our land since time began – natural hazards remain an inevitable part of living in Australia. Much can be done to reduce the impacts of natural hazards but we need to be ready for the unexpected, and to do that we need to find ways to embrace uncertainty and plan for the inevitable.

Research has a huge role to play in this. This is why the Bushfire and Natural Hazards Cooperative Research Centre exists and is a key partner in AFAC19 – we are motivated by these challenges, and our program of research, driven by the emergency management sector, is delivering significant benefits to our partners and the community.

The strength of the CRC lays in its collective nature. As a cooperative research centre, the CRC is a collection of people and organisations that bring a range of values to the whole as will be seen at AFAC19.

In Melbourne you will see and hear how the research we conduct is making a difference. The conference begins with the Research Forum, where you will have the opportunity to meet our scientists and create networks that will enable you to embed the latest knowledge into your business. A forum for knowledge, the Research Forum is not just for scientists, and will showcase a diverse range of science that is keeping communities safer. We look forward to seeing you there.

The International Emergency Management Society ([www.tiems.org](http://www.tiems.org))

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## About AFAC19 powered by INTERSCHUTZ

We are delighted to present the AFAC19 powered by INTERSCHUTZ conference program. This year our theme is A shift to the new norm, riding the wave of change.

Back in Melbourne for the first time in six years, the conference and exhibition will be held at the newly expanded Melbourne Convention and Exhibition Centre.

We would like to acknowledge this year's host agencies: Country Fire Authority; Department of Environment, Land, Water and Planning; Emergency Management Victoria; Metropolitan Fire and Emergency Services Board; Parks Victoria; and Victoria State Emergency Service.

Held over four days, 27–30 August, AFAC19 powered by INTERSCHUTZ will attract delegates and visitors from emergency service organisations, all levels of government, non-government organisations, research and education institutions from Australia and around the world.

The conference program comprises of the Bushfire and Natural Hazards CRC Research Forum on Tuesday 27 August, followed by the multi-streamed conference on Wednesday 28 and Thursday 29 August. A Professional Development Program offering workshops and field trips will run on Friday 30 August.

This year, we are excited to offer AFAC19 delegates full access to the Australian Disaster Resilience Conference and the IFE Australia Conference, running as concurrent streams of the program.

We extend a warm welcome to renowned keynote speakers, ASPI Fellow Dr Robert Glasser, demographer Ellane Miles and Māori doctor Lance O'Sullivan.

The conference is supported by the INTERSCHUTZ trade exhibition. This year's exhibition will feature hundreds of national and international exhibitors and a comprehensive Expo Stage program.

The exhibition will run from 1.00pm Tuesday 27 August to 3.30pm on Thursday 29 August.

The emergency management community will come together for our social functions, which include the Delegate Welcome Drinks, sponsored by ISUZU Trucks and the popular AFAC Gala Dinner, sponsored by Firefighters Mutual Bank.

We invite you to read on and explore the opportunities and knowledge that AFAC19 powered by INTERSCHUTZ will bring you. For further information and to register please visit [www.afaconference.com.au](http://www.afaconference.com.au)

Tuesday 27 August	Wednesday 28 August	Thursday 29 August	Friday 30 August
Bushfire and Natural Hazards CRC Research Forum	AFAC19 Exhibition		AFAC19 Professional Development Program
	AFAC19 Opening Ceremony & Conference Day 1	AFAC19 Conference Day 2	
Stream 1	Stream 1	Stream 1	
Stream 2	Stream 2	Stream 2	
Stream 3	Stream 3	Stream 3	
Stream 4	Stream 4	Stream 4	
AFAC19 Exhibition Opens	Stream 5 IFE Australia Conference	Stream 5 IFE Australia Conference	
AFAC19 Welcome and Awards Ceremony	Stream 6 Australian Disaster Resilience Conference	Stream 6 Australian Disaster Resilience Conference	
Welcome Drinks In Exhibition	AFAC19 Gala Dinner	AFAC19 Closing Ceremony	

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Environment, Land, Water and Planning



AFAC19 Conference Program | 3

## Tuesday 27 August Day One Research Forum

	Stream 1	Stream 2	Stream 3	Stream 4
8.30am	OPENING ADDRESS/WELCOME			
8.45am	KEYNOTE: Prof Lisa Gibbs University of Melbourne & Bushfire and Natural Hazards CRC			
9.30am	KEYNOTE: Prof Andy Pitman AO ARC Centre of Excellence for Climate Extremes			
10.15am	MORNING TEA			
	<b>Fire behaviour and impact</b>	<b>Severe weather</b>	<b>Climate change</b>	<b>Community preparedness</b>
10.45am	An integrated prescribed burning project Dr Hannah Clark (University of Wollongong & Bushfire and Natural Hazards CRC)	Improving flood forecast skill using remote sensing Dr Ashley Wright (Monash University)	Shifts to the new normal: riding the waves of climate change Prof Roger Jones (Victoria University & Bushfire and Natural Hazards CRC)	Community preparedness and responses to the 2018 Reedy Swamp (Tathra) bushfire Dr Josh Whittaker (University of Wollongong & Bushfire and Natural Hazards CRC)
11.05am	Detecting active fires from space using Himawari-8: a report from the regional NSW trial Dr Michelle Engel (RMIT University & Bushfire and Natural Hazards CRC)	Model for assessing the vulnerability of Australian housing to windstorms Dr Tara Parackal (James Cook University & Bushfire and Natural Hazards CRC)	Experiences with the global impacts of climate change Rick McLean (ACT Emergency Services Agency)	The missing link in emergency management: measuring the effects of community engagement and then using the evaluation findings to improve services Prof Maureen Taylor (University of Tennessee)
11.25am	Barking up the wrong tree: Fuels 3D and the assessment of bark hazard Karin Reinke (RMIT University & Bushfire and Natural Hazards CRC)	Flood vulnerability functions: detailed vs generalised approach Dr Tariq Maqsood (RMIT University & Bushfire and Natural Hazards CRC)	Climate change and disaster risk in Australia and Oceania Joseph Cuthbertson (WA Country Health Service)	Research Activities within European Union Research Program for Improving Preparedness and Resilience Harald Dräger (TIEMS)
11.45am	Probability and consequence of post-fire contamination events in a water supply catchment Dr Peter Hymann (University of Melbourne & Bushfire and Natural Hazards CRC)	Impact-based forecasting in the coastal zone: the use of EM data in the validation of spatial wind impact forecasts Dr Sarah Richter (Bureau of Meteorology & Bushfire and Natural Hazards CRC)	Panel: Climate, weather and our future – beyond survival	Climate ready communities – empowering self-organising community volunteers to spread the climate preparedness and adaptation message and take local action Nick Banks (Red Cross)
12.05pm	LUNCH AND POSTER SESSION			
	<b>Predictive services</b>	<b>Communications</b>	<b>Capability</b>	<b>Resilience &amp; recovery</b>
1.05pm	Towards a high resolution soil moisture forecasting system for fire danger Dr Imtiaz Dharssi (Bureau of Meteorology & Bushfire and Natural Hazards CRC)	Behaviour around floodwater: Dilemmas in floodwater safety and risk communication Dr Mel Taylor (Macquarie University & Bushfire and Natural Hazards CRC)	Where should we be going, and are we on our way there yet? Stakeholder perspectives on making the future of emergency volunteering Dr Billy McLenahan (MFB & Bushfire and Natural Hazards CRC)	Unpacking the complexities in defining resilience: relating Tamaquilla community's definition to those within relevant literature Dr Mittul Vahanvati (RMIT University)
1.25pm	Towards a comprehensive characterisation of flammability and fire danger Dr Maria Vebra (Australian National University & Bushfire and Natural Hazards CRC)	Joining the dots: Using social media to connect with more vulnerable Victorians during emergencies Dr Peter Hayes (RMIT University)	Whole of community approach to planning and capability for catastrophic disasters in Australia Andrew Gissing (Red Frontiers & Bushfire and Natural Hazards CRC)	Hurricane Matthew disaster recovery and resilience initiative: Blending research and practice Dr Gavin Smith (North Carolina State University)
1.45pm	Investigating relationships between fuel moisture content, soil moisture & vegetation type in Australia Angelo Breda (University of Newcastle)	Personalising the message: promoting the uptake of cyclone protection in North Queensland Mitchell Scovell (James Cook University & Bushfire and Natural Hazards CRC)	Transforming diversity and inclusion capability – the pathway to achieving diversity benefits Celeste Young (Victoria University & Bushfire and Natural Hazards CRC)	School-based bushfire education: advancing teaching and learning for risk reduction and resilience Dr Britany Towers (RMIT University & Bushfire and Natural Hazards CRC)
2.05pm	Science in operations: QPES response to the 2018 Queensland fires Andrew Burgess (Queensland Fire and Emergency Services and Bushfire and Natural Hazards CRC)	Intelligent warnings: a twenty-first century approach to encouraging protective action in emergencies Jacob Riley (Victoria State Emergency Service)	Emergency volunteer retention: can a culture of inclusiveness help? Prof Marylene Cappe (Carleton University & Bushfire and Natural Hazards CRC)	Using practice-based research to generalise wisdom on which child-centred risk reduction education approaches and activities contribute towards building household resilience Lachlan Alexander (Save the Children)
2.25pm	QFES digital transformation: focusing on the possibilities of the future to equip QFES to be adaptable Matthias Dorfstaetter (Queensland Fire and Emergency Services)	It's raining news! In a changing world of information delivery, how can we achieve cut through, accuracy and influence when communicating during a severe weather event? Dr Joan Young (Colmar Brunton)	Staying on task: a tool to help state and regional-level incident management teams Dr Peter Hayes (RMIT University)	Are we future ready? It depends on whose story you listen to! Stephen Sutton (Charles Darwin University & Bushfire and Natural Hazards CRC)
2.45pm	AFTERNOON TEA			
	<b>Bushfire and smoke modelling</b>	<b>Risk</b>	<b>Economics and policy</b>	<b>Health and wellbeing</b>
3.20pm	Simulation of heat fluxes on a structure from a fire in an idealised shrubland A/Prof Rob Bailey (University of Victoria & Bushfire and Natural Hazards CRC)	Centralising environmental resilience in disaster risk reduction using the SDGs Heldi Chappell (University of Newcastle)	Disaster and economic resilience in small regional communities: the case of Toodyay Prof Helmut Fubazogh (Deakin University & Bushfire and Natural Hazards CRC)	Fit-for-duty: ensure the safety of CDF members and increase access to health services for our members Emma Cort, Georgia Thacker and Rohan Luke (Country Fire Authority)
3.40pm	ACCESS-Fire: Coupled fire-atmosphere modelling Dr Mikal Auerbach (Bureau of Meteorology & Bushfire and Natural Hazards CRC)	Safety awareness of firefighters and their perception of fire risks in cladding fires Prof Guan Yee (University of NSW & Bushfire and Natural Hazards CRC)	TBC	Mind, body, social – changing our approach to the wellbeing of police, fire and ambulance personnel Amanda Thomson (Facing the Frontline)
4.00pm	Utilisation of fire spread simulators to assess power network fire risk Jackson Pallen (Department of Fire and Emergency Services & Land & Water Allen (Landgate))	Socio-economic aspects of risk looking into the future for disaster risk assessment Graeme Middleton (University of Adelaide & Bushfire and Natural Hazards CRC)	A case study of South Australia's severe thunderstorm and tornado outbreak (28 September 2016) Dr Neil Kippert (Bureau of Meteorology & Bushfire and Natural Hazards CRC)	Denaturalising urban heatwaves: Gendered vulnerability and our right to be cool Margareta Windisch (Monash University)
4.25pm	DR LAURIE HAMMOND ORATION: Prof Mary O'Kane AC, NSW Independent Planning Commission			

## Wednesday 28 August Day Two AFAC Conference

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5: IFE Australia Conference	Stream 6: Australian Disaster Resilience Conference
8.30am	OPENING CEREMONY					
9.15am	KEYNOTE: Dr Robert Glasser, Australian Strategic Policy Institute					
10.00am	KEYNOTE: Elaine Miles, The Curious Co					
10.50am	MORNING TEA					
	<b>Climate risk</b>	<b>Volunteer capability</b>	<b>Aviation</b>	<b>Managing incidents and community</b>	<b>IFE Australia Conference</b>	<b>Connecting for resilience</b>
11.40am	State of the climate report 2018 Dr David Jones (Bureau of Meteorology)	Invited speaker: Hartmut Ziebs (Germany)	Invited speaker: Derek Alkonis (LA County Fire, USA)	Preparing for the new norm: does EM need to be more creative? A/Prof Benjamin Brooks (UTAS Hobart) and Natural Hazards CRC, Steven Cumby (UTAS) and Jason Boldeman (Seqwater)	Invited speaker: Lord Mayor Sally Capp	Does Saying We're Resilient Make it So? The Cairns Resilience Scorecard Project Sioux Campbell (Cairns Regional Council)
12.10pm	PANEL: AFAC Climate Change Group Simon Heemstra (NSW Rural Fire Service), Sandra Whight (Tasmania Fire Service), Karl Braganza (Bureau of Meteorology), Margaret Loughnan, Liz Connell (SA State Emergency Service)	Encourage, maintain and strengthen the capability of volunteers Jon Kneebone (Fire and Emergency New Zealand)	Nightfire suppression operations program Wayne Rigg (Emergency Management Victoria)	The Pacific community and managing incidents Luke Purcell (AFAC)	22 Years of performance based fire engineering: where did it get us? Dr Marianne Foley (ARUP)	Empowering resilient businesses to drive thriving communities Renae Havvin (corporate2community)
12.40pm		Investing in the future: youth in the RFS Paul Cunningham (NSW Rural Fire Service)	Women in aviation – #socshe Sandra Robinson (Parramatta Fire Victoria)	Meeting community expectations through a highly collaborative approach to rapid onset major emergency in Melbourne's inner west Trent Curtin (Metropolitan Fire and Emergency Services Board)	The Warren Centre Project: Fire safety engineering at the crossroads Peter Johnson (ARUP)	Building resilience through regional collaborations and partnerships Brendan Moon (Queensland Reconstruction Authority)
1.15pm	LUNCH					
	<b>Warnings</b>	<b>Workforce safety</b>	<b>Improving diversity</b>	<b>Supporting tools and measures</b>	<b>IFE Australia Conference</b>	<b>Supporting recovery</b>
2.15pm	Prepare Act Survive – 10 years of turning awareness in to action Anthony Clark (NSW Rural Fire Service)	Invited speaker: Hamdan Wahid (Malaysia)	Invited speaker: Josephine Reynolds (UK)	Program logic and performance measures for prescribed burning Debbie Spence (Centre for Excellence in Prescribed Burning)	Invited speaker: National Construction Code – future directions Neil Savery (Australian Building Codes Board)	A Recovery Approach – Drawing out the strengths within the community Shama White and (Corangamite Shire)
2.45pm	Review of community expectations in the context of Public Health Emergency Warnings Liza Gell (Cube Group)	MFB PFAS Initiatives Michael Tisbury (Metropolitan Fire and Emergency Services Board)	Building the evidence base to increase diversity in firefighter recruitment Rochelle Martin (Fire and Emergency New Zealand)	Improved decision support: helping to do the right burns at the right time Jill Head (Forest Fire Management Victoria) and Andrew Blackett (Department of Environment, Land, Water & Planning)	Invited speaker: vocational pathway to becoming fire professionals – How did New Zealand do it? Trenfearley (Fire and Emergency New Zealand)	PANEL: How can government support community-led approaches in recovery? Louise Mitchell (Social Recovery Reference Group)
3.15pm	South Australian heatwave forecasts and warnings performance and some impacts during January 2019, Australia's hottest month on record John Naim (Bureau of Meteorology)	Encountering floodwater at work: SES approaches to personnel driving through floodwater Dr Mel Taylor (Macquarie University & Bushfire and Natural Hazards CRC)	You can't be what you can't see: girls fire and emergency services camp Bronnie Mackintosh (Fire and Rescue NSW)	Foresight: explore Victoria's business fire forecast Alicia Gow (Department of Environment, Land, Water and Planning)	Invited speaker: Evacuation of mobility impaired patrons from modern metro rail systems Micael Lundqvist (Warringtonfire)	Respect and Recovery – State and Local Government working together with communities Wendy Graham (NSW Department of Justice)
3.50pm	AFTERNOON TEA					
	<b>National fire danger ratings</b>	<b>Assessing impact and risk</b>	<b>Flood risk and rescue</b>	<b>Learning</b>	<b>IFE Australia Conference</b>	<b>Taking action</b>
4.30pm	Extending the NFRDS to include likelihood, suppression capacity and fire impacts Dr Stuart Matthews (NSW Rural Fire Service)	Invited speaker: John Hooper (Victoria State Emergency Service)	Beyond Drowning Shane Daw (Surf Life Saving)	The road from lessons not learned to learning from experience Mark Curthbert (Department of Home Affairs)	Engineering Research and Swift Water Rescue Operations Prof Hubert Hanson (University of Queensland) and Graeme Hall (Queensland Fire and Emergency Services)	Taking preparedness action to scale Jacqui Pringle (Red Cross)
5.00pm	NFRDS changing how we describe and use fire danger ratings Fiona Dunstan (SA Country Fire Service)	Interstate multi-agency rapid risk assessment teams Nathalie Brown (Department of Environment, Land, Water and Planning) Matthew Thompson (QFES)	Flood rescue management in NSW SES Carl Manning and Shane Gausi (NSW State Emergency Service)	The shadow side of learning, leadership and culture in emergency services organisations Fiona Martin (CFA) and Susan Long (NODIA)	PANEL DISCUSSION – How did New Zealand do it? Trenfearley (Fire and Emergency New Zealand)	Refuge 2019 Displacement Emily Sexton (Arts House) Arts and Culture – sustaining people and place in a changing world Scott Monks (Creative Recovery Network)
5.15pm	AFAC CONFERENCE DAY ONE CLOSE					
5.30pm	AFAC19 PRE-DINNER DRINKS					
6.30pm	AFAC19 GALA DINNER					
7.00pm	AFAC19 Conference Program 1-5					

## Thursday 29 August Day Three AFAC Conference

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5: IFE Australia Conference	Stream 6: Australian Disaster Resilience Conference
8.30am	KEYNOTE: Dr Lance O'Sullivan, The MOKO Foundation					
9.15am	KEYNOTE: Bronwyn Weir, Weir Legal and Consulting					
10.05am	MORNING TEA					
	<b>A changing climate</b>	<b>Inclusive organisations</b>	<b>The built environment</b>	<b>Communities</b>	<b>IFE Australia Conference</b>	<b>Diverse perspectives</b>
11.10am	Coping with the 'new normal' in a changing climate Greg Mullins and Prof Lesley Hughes (Climate Council)	Outcomes statement WAFA Conference 2018 Donna Wheatley (Metropolitan Fire and Emergency Services Board)	A method to understand and improve the integration of disaster reduction and urban planning Prof Alan March (University of Melbourne & Bushfire and Natural Hazards CRC)	Empowering communities: Strengthening agency capability in community centred engagement Nili Habibi (Country Fire Authority)	The validity of verification methods for the fire engineering profession Prof Jose Torero (University College, UK) and Graeme Hall (Queensland Fire and Emergency Services)	Empowering disability-inclusive disaster risk reduction through cross-sector leadership Michelle Villeneuve (University of Sydney) and Mandy Moore (Department of Justice NSW)
11.40am	Developing an emergency management sector adaptation plan for climate change in Queensland Matthew Thompson (Queensland Fire and Emergency Services)	Women in the SES reshaping dynamics Faye Bendrup and Gordon Hall (National SES Volunteers Association)	National Construction Code 2019 and the Home Fire Sprinkler Coalition Mark Whybro (Fire and Rescue NSW)	Moving beyond translated publications and towards community engagement – the Hall Karen Community case study Angela Cook (Country Fire Authority) and Dr Scott Hanson-Easey (University of Adelaide) and Tabby Sher (NHIL Learning Centre)	Field of application: Test results in fire engineering Dr Angus Law (University of Edinburgh, UK)	Return of the Firestick Brett Ellis (Emergency Management Victoria) and Inde David (Wurundjeri Elders)
12.10pm	A tale of two heroes: an emergency volunteer and Ross Dam in the Townsville Floods 2019 Chris Quin (Resilient Projects)	Women in fire management: A gender diversity action plan for the Department of Biodiversity Conservation and Attractions in WA Katie MacWilliams (Department of Biodiversity, Conservation and Attractions, WA)	Preventable residential fire fatalities in Australia Julie Harris (Metropolitan Fire and Emergency Services Board) and Geoff Kaandorp (MFB)	Building community resilience in the NT – when language is the barrier Gemma Bellenger (Northern Territory Police, Fire and Emergency Services)		"We want to show people what kids can do" a participatory student-led evaluation of the Strathewen-Arthur's Creek Bushfire Education Partnership Lisa O'Brien (Strathewen-Arthur's Creek Bushfire Education Partnership) and Brodie, Liam, Rory, Lachlan and Scarlett
12.45pm	LUNCH					
	<b>Cultural fire management</b>	<b>Volunteerism</b>	<b>Culture change</b>	<b>Risk and hazard mitigation</b>	<b>IFE Australia Conference</b>	<b>Inclusive approaches</b>
1.50pm	Invited speaker: Victor Steffensen	Harnessing community spirit in Berowra: redefining how NSW SES use community resources during disasters Andrew McCullough (NSW State Emergency Service)	Respect and inclusion: Positive change at FENZ Dr Rowena Brown (Fire and Emergency New Zealand)	Quick economics: Tools that help decision making in natural hazard mitigation Abbie Rogers (University of Western Australia Bushfire and Natural Hazards CRC)	Underwriters Laboratories (UL) Firefighter Safety Research Institute (FSRI): From the lab to the street Sean DeGrane (Underwriters Laboratories, USA)	On heatwave risk communication to the public: new evidence informing message tailoring and audience segmentation Dr Scott Hanson-Easey (University of Adelaide)
2.20pm	Developing a long-term vision to use fire for cultural and ecological outcomes in the northern plains grasslands of Victoria Dr Jolene Gouton (Parks Victoria)	Virtual operations support team: Harnessing corporate volunteering to create social media response surge capacity during incidents Jill Doward (Department of Fire and Emergency Services, WA)	TBC	Tools for enhancing collaboration and proactive risk management: Adapting UNHCR-led for multi-hazard mitigation planning in WA Graeme McDell (University of Adelaide) and Natural Hazards CRC) and Tim McNaught (Department of Fire and Emergency Services WA)	The challenges of prescribing an appropriate design fire for the structurally safe design of contemporary architecture Vinny Gupta (University of Queensland)	The Lived Experience of Four Disasters – Insights into Community Urban Resilience Experiences Kristin Gabriel (Resilient Sydney)
2.50pm	Rekindle country: Jubullum combined hotspots and community protection plan project Jamie Bertram (University of Sydney)	Team Rubicon Australia: empowering communities to recover through the management of spontaneous volunteers in disaster relief operations Geoff Evans (Team Rubicon)	What's the matter? Can't you take a joke? How QFES workplace conduct branch is challenging normalised behaviours Rob Boniwell (Queensland Fire and Emergency Services)	Assessing environmental losses from natural disasters from the NT Dr Karanjit Sangha (Charles Darwin University & Bushfire and Natural Hazards CRC)	Effective Command: Empowering change, personnel development and organisational assurance Dr Katherine Lamb (Coventry University, UK)	The future is now for the inclusion of women in emergency management planning Mary Farrow (Emerald Community House)
3.30pm	PANEL: Personal reflections 10 years on from Black Saturday, how have we changed?					
4.00pm						
4.30pm	CLOSING CEREMONY					



## 2019 DISASTER MANAGEMENT CONFERENCE FOR SOUTH AFRICA



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PATHWAYS TO INTEGRATED RESILIENCE AND SUSTAINABILITY FOR  
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## NEXT TIEMS NEWSLETTER

The next TIEMS Newsletter is planned for June 2019

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Issue no. 37 is planned for October 2019, and contributions are welcome. Please, contact one of the editors or TIEMS Secretariat if you have news, an article of interest, or like to list coming events of interest for the global emergency and disaster community or like to advertise in this issue.

