

**TIEMS**

The International Emergency Management Society



Newsletter

THE INTERNATIONAL EMERGENCY MANAGEMENT SOCIETY

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Visit to Safety Control Center at Lotte Tower, Seoul, South Korea

The International Emergency Management Society

TIEMS is an international collaborative organisation for emergency management and disaster response, continuously developing through contributions from current members and chapters and expansion with new members and chapters from across the world. Members and chapters comprise of a multidisciplinary group of international experts with different educational and cultural backgrounds, which offer valuable expertise to the TIEMS international network. TIEMS comprises of emergency planners, researchers, managers, response personnel, practitioners, social scientists, and other interested parties within emergency management and disaster response. Read more about TIEMS and its activities in this newsletter.

Kelly-Anne Frith
TIEMS Newsletter Editor

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MESSAGE FROM TIEMS PRESIDENT

Christmas and New Year 2020

I like to wish all TIEMS Members and the Readers of TIEMS newsletter a Wonderful Christmas Holiday and a Prosperous New Year 2020!



A New Editor for TIEMS Newsletter

Next, I like to introduce the new editor for TIEMS Regular Newsletter, Kelly - Anne Frith, who resides in Grahamstown, South Africa. She has introduced herself in her below editorial. She is very welcome onboard TIEMS editorial team. At the same time I like to thank Joseph Pollack for his services as TIEMS Regular Newsletter editor since March 2016, being responsible for 10 Regular Newsletters as editor.

The World Risk Picture



From the [EM DAT Web-site](#) for week 47 the following disasters are reported:

Earthquake; Durres, Albania, Floods and landslides; Sri Lanka, Floods; Kelantan and Terengganu; Malaysia, Floods; Djibouti, Floods and landslides; Salvador de Bahia City, Brazil, Floods; Congo (Dem p Rep), Severe weather; northern states, United States, Floods; South Kivu, Congo (Dem P Rep), Winter storms; United States, Floods; Mexico, Bus accident; Aïn Snoussi, Tunisia, Bus accident; near Taza; Morocco, A bus falls into a river; Siberia, Russia, Collision of two helicopters; Liptako, Mali.

With other words, the world risk picture is not improving, so we have to continue learn to live with risk and concentrate our efforts on being prepared and build resilient societies. This is also

TIEMS Mission & Focus

Global Communication

Another aspect of being prepared and building resilient societies is open and trustworthy global communication sharing the main and important issues of emergency management and disaster response. Greta Thunberg is here a good role model. It is remarkable and amazing how "*her young and stubborn protest*" has reach out and become a worldwide movement of youth, voicing the need for saving our planet against the consequences of climate change. I think the main reason for this successful way of global communication, is that Greta Thunberg also "lives as she preaches".

TIEMS Chapters Established in 2019

TIEMS global network of chapters and members is TIEMS fundament for a good global communication, and it is very satisfying to announce that two new TIEMS chapters are established and in operation in 2019, France and South Africa. A TIEMS working group is also established in Australia, working towards establishing a TIEMS Australia Chapter. TIEMS will then have 17 chapters around the world when TIEMS Australia Chapter is operational.

TIEMS 2019 Events

Within TIEMS were arranged 4 events worldwide in 2019:

- Workshop in Rome, Italy by TIEMS Italy Chapter. The topic was "*Prevention and Preparedness in Emergency Management*:"

How to Improve Infrastructure Resilience

- Workshop in Grahamstown, South Africa arranged by TIEMS South Africa Chapter in cooperation with Rhodes University. The topic was “*Ethics in Disaster Situations*”. Presentations are covered in a TIEMS [Special Issue Newsletter](#).
- TIEMS 2019 Annual Conference in Goyang, Korea by TIEMS Korea Chapter in cooperation with Korean Society of Disasters and Security. The topic was “*Toward the Bright Future of Safety*”. The papers and presentations will be covered in a TIEMS Special Issue Newsletter.
- TEMC 2019 Emergency Medicine Conference in Kunming, China, with Kunming University Hospital as host.

TIEMS 2020 Annual Conference will be arranged in Paris, with TIEMS France Chapter as host.

TIEMS 2021 Annual Conference will be arranged in South Africa with TIEMS South Africa Chapter as host.

TIEMS Research and Development

RTD is an important TIEMS activity, where TIEMS International Group of Experts ([TIGE](#)) with relevant qualifications for the projects in question, are selected to perform TIEMS work in the projects.

In 2019 the HERACLES project was terminated successfully, and TIEMS got involved in a new project as subcontractor to the ECORYS company. This is a one year project with the aim of developing an expert HUB on wildfire expertise in Europe for the DG ECHO project “Network of European Hubs for Civil Protection and Crisis Management”. This HUB will serve as a prototype/example for establishing other HUBs with special expertise on other disaster types in Europe.

In the EU Security Call August 2019, TIEMS participated as a partner in three proposals. It will be known in January 2020 if the projects will be successfully funded.

TIEMS International Certification - TQC

TIEMS International Certification - TQC, made considerable progress in 2019, by valuable input from the TQC International Test Candidates:

- Larry Porter, USA
- Gbenga Morenikeji, Nigeria
- Naill Momani, Jordan
- Roman Tandlich, South Africa
- Desiree Beekharry, Australia
- Russell Dippy, Australia
- Jack Zhang, China

and with valuable input from the discussion in the TQC workshop during TIEMS 2019 Annual Conference in Korea. A full description of TQC will be reported in a Special TIEMS Newsletter issue during 2020.

TIEMS 2020 Plans

TIEMS will continue its outreach in 2020, and Latin America and Caribbean (LAC) is TIEMS focus area for extending TIEMS network and establish TIEMS activity.

Enjoy Reading below Newsletter!



Oslo 20th December 2019
K. Harald Drager
TIEMS President

MESSAGE FROM THE EDITOR

Hello,

I am delighted to be joining the TIEMS team as the Editor of the TIEMS Newsletter, starting now with this December issue. I trust that, together, we can cohesively present and highlight TIEMS work from across the globe, from members' accomplishments to important events in the various TIEMS chapters and countries. This is an exciting opportunity for me to explore the fast-paced and exhilarating area of disaster risk and emergency management.

So, a little bit about me: I have a background in biological sciences having been a researcher for nearly 15 years. I have recently completed my PhD degree in Biotechnology at Rhodes University, Grahamstown, South Africa. In 2015, while looking for a source of income, I stumbled upon as an administrative post that introduced me to the world of academic publishing at a small local publishing firm with international reach. I quickly took on the role of production coordinator for a host of medical journals, utilising my expertise in the pseudo-medical research field that biochemistry and biotechnology offer. From there, my publishing career blossomed where I took on the role of publishing editor for a range of African-based, natural science journal titles.

Publishing has given me the opportunity to work with people, mainly in research, from all tiers, from the struggling author eager to get their work published to the

reviewers and referees critiquing the written work to the Editors-in-Chief and copy-editors, who polish the written manuscripts, and typesetters and graphic artists, who produce beautifully set manuscripts, for publication to the wider audience.

I would like to use this expertise to produce a well-presented Newsletter for the global members and chapters of TIEMS.

I am completely open to receiving your input on ways to improve this Newsletter so that all members and interested parties enjoy reading this.

Thank you!



TIEMS Newsletter Editor

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CURRENT ASPECTS OF TIEMS IN THE SOUTH AFRICAN CONTEXT

Background

It has been suggested that currently humanity finds itself in the era of the “Anthropocene” (SNMNH, 2018). The onset of the “Anthropocene” has been the result of certain agricultural practices, nuclear explosions, nuclear weapons testing and nuclear energy use, linear economic practices and the systematic exploitation of fossil fuels, such as oil. These examples of human activities have been linked to the “Anthropocene”, as they have had significant impacts on the environment and/or the planetary ecosystem of the Earth (SNMNH, 2018). Despite the ongoing debate about when exactly the “Anthropocene” began, it is clear that it has been happening over the course of the last century, as further supported by scientific data such as increases in the soil storage of phosphorus and nitrogen, increases in the environmental concentrations of radionuclides, polyaromatic hydrocarbons, PCBs and lead isotopes (Waters et al., 2016). In recent decades, there have been knock-on effects of the “Anthropocene”, and they have included climate change, rapid population growth and the increasing complexity of the socio-ecological systems.

Climate change has been a major knock-on effect that has had cascading impacts on humanity, e.g. through some of the climate-change related disasters. The frequency of disasters related to climate change, e.g. floods and storms, has been on the increase between 1994 and 2013, while the rates/frequencies of geophysical disasters have remained relatively constant (CRED, 2015; chapters 1-3). The overall number of people affected by these disasters has been on the decrease for the same time period, but the number of mortalities has increased significantly (CRED, 2015; chapters 1-3). The impacts of the disasters have been seen in Asia, USA and China, as well as in the developing countries, since 1994 (CRED, 2015; chapters 1-3). Summarily, the impact of disasters that are related to climate change are observed on a global scale and, thus, all countries around the world must develop, adapt and share strategies to overcome this shift in the paradigm of disasters occurring throughout the world.

In the last 40 years or so, human responses to disaster have shifted from “post facto” to “anticipatory” approaches (Stern and Young, 1992, Chapter 4; Tandlich et al., 2019a). In this context, there has been increased focus on the mitigation, preparedness and the adaptive capacity to disasters, i.e. the disaster risk management (DRM) and disaster risk reduction (e.g. Tandlich et al., 2019a). As a result, the relationship between humans and their surroundings in the era of the “Anthropocene” – the human-environmental positionality – must be a core consideration in the DRM planning, research and the execution of the unit operations in the disaster management cycle. In the scope of the DRM, the disaster risk management practitioners (DRMPs) must understand the basis for the “right” and the “wrong” choices, as well as the related conduct of humanity and its influence on said choices. Such understanding provides guidance in finding solutions to the problems in the DRM space, whether at the local or the international level of disasters/emergencies.

TIEMS South Africa steps in

International documents and DRM frameworks indicate that sharing of knowledge and the use of the multi-stakeholder platforms is essential in DRM in the 21st century. TIEMS South Africa Chapter has been in the development with this particular aim in mind. It also comes naturally, as the DRM multi-stakeholders platform and interactions have been part of the DRM system in South Africa for a while now (e.g. Ngqwala et al., 2017).

Activity in the TIEMS South Africa Chapter

Through interlinking the activities of TIEMS and some departments at Rhodes University, academics and students, under the coordination of Dr Roman Tandlich (TIEMS Regional Director for Africa), have initiated the collaboration with the Faculty of Health Sciences of the Technical University of Liberec, Czech Republic and the Faculty of Security Engineering of the University of Žilina, Slovakia. Practical execution has taken place through conference participation (Tandlich et al., 2019b,c; Vhiriri et al., 2019) and the co-supervision of students on research projects.

Postgraduate students and academics from Rhodes University have presented at the Annual Conferences of the Disaster Management Institute of Southern Africa (DMISA) in 2017 (Nicholson et al., 2017) and 2018 (Tandlich et al., 2018). In 2019, TIEMS participation was expanded by the visit of K. Harald Drager (President of TIEMS), who presented an oral presentation (Drager et al., 2019). At the same time, the local TIEMS membership presented some of the ongoing results from research on the healthcare aspects of emergency and disaster management (Vhiriri et al., 2019), which is an emerging topic in emergency and disaster management (e.g. Khan et al., 2018). The TIEMS President met the leadership of the DMISA, representatives from Rhodes University and various disaster/emergency management professionals from around South Africa. This TIEMS South Africa Chapter was officially inaugurated at the 1st Eastern Cape Workshop on Ethics in Disaster Situations, which followed the DMISA conference (18-19 September 2019), and took place in Makhanda, South Africa on 20 September 2019. During the workshop, the founding members of the TIEMS South Africa Chapter met the TIEMS President.

There are currently three chapters of TIEMS on the African continent, but inter-connectedness and communication among them has been limited to date. In addition, TIEMS has not communicated with the DRMPs and leaders in various parts of Africa much to date. Members of TIEMS South Africa started addressing this in 2019 through participation at African conferences focused on DRM and the knock-on effects of the “Anthropocene” (Maguire et al., 2019; Ncube et al., 2019; Rusere et al., 2019a). The Regional Director, Dr Tandlich, and some members of the TIEMS South Africa and the Nigerian and West African Chapter of TIEMS have initiated a dialogue about ways of strengthening TIEMS activities on the African continent. This dialogue has contributed to the organisation of the 1st Eastern Cape Workshop on Ethics in Disaster Situations, reported on in the November Special Edition of the TIEMS Newsletter. The workshop was a success, and the second edition will follow in the first half of 2020. The Rhodes University Sandisa Imbewu Grant provided funding for the event in the amount approximately 3000 EUR, while TIEMS provided exposure to the event through its various platforms, e.g. the TIEMS website and the emailing list.

At the same time, TIEMS South Africa ran a workshop on the curriculum in the disaster management courses in higher education, with stakeholders from local government in Makhanda, South Africa on 25 August 2019. Local context of TIEMS in South Africa has been exploited in the studies on the theoretical aspects of factors that affect disaster vulnerability (Rusere et al., 2019a; Tandlich et al., 2019a), waste management (Ncube et al., 2019), application of disaster management and communication tools to emerging aspects of public health in South Africa (Rusere et al., 2019b; Sharma et al., 2019) and the health vulnerability (Duxbury et al., 2019). At the same time, the links with disaster management and emergency stakeholders farther afield have been launched, e.g. Dr Tandlich also participated in the DRIVER+ Workshop held in Brussels, Belgium on 17 October 2019. These links with the various stakeholders will be applied to the use of a novel social network platform for the communication inside the TIEMS structures. The strategy for this is in the development stage and it points to the strategy that TIEMS South Africa follows, i.e. combining the resources and stimulating the collaboration between TIEMS and Rhodes University. Finally, Dr Tandlich delivered a presentation on the role of militaries in disaster management of infectious disease at an international conference in Rabat, Morocco between 3 and 5 December 2019 (Tandlich, 2019).

Going forward

The TIEMS strategy in South Africa needs to be further developed. The formalities of the registration of the TIEMS South Africa as a voluntary association will be completed by March 2020. At the core of that strategy will be inclusiveness, combining the resources and stimulating the collaboration between TIEMS and other relevant stakeholders. The activities in 2019 have contributed to funds in the additional amount of 1000 EUR being secured for funding of DRM research, teaching and other activities. Rhodes University, TIEMS, University of Žilina and the Technical University of Liberec are acknowledged for their ongoing financial and material support. Their funding and additional funding will be used to support the new batch of postgraduate students in disaster management, with specific focus on ethics, who will start their work in 2020. These are 3 Masters and 1 PhD students.

References

- Center for the Research on Epidemiology of Disasters (CRED, 2015). The human cost of natural disasters a global perspective 2015. *Center for the Research on Epidemiology of Disasters*, Université catholique de Louvain, Louvain, Belgium.
- Drager, K. H., Bologna, S., Knezić, S., Tandlich, R., Robertson, T. (2017). Emergency Management around the World: Lessons learned. Oral presentation, 2019 Annual conference of the Disaster Management Institute of Southern Africa, ATKV Resort and Conference Centre, Mossel Bay, South Africa, 18th to 19th September 2019.
- Duxbury, T., Tandlich, R., Berzara, J., Paphitis, S. A. (2019). Building health resilience: An engaged, systems analysis and epistemically just approach to rural health development. Oral presentation, 4th World Conference on Qualitative Research, Porto, Portugal, 16th to 18th October 2019.
- Khan, Y., O'Sullivan, T., Brown, A., Tracey, S., Gibson, J., Gagnéux, M., Henry, B., Schwartz, B. (2018). Public health emergency preparedness: a framework to promote resilience. *BMC Public Health* 18: article 1344.
- Maguire, K., Dawood, A., Komo, N., Naicker, V., Venter, A., Nhokodi, T., Tandlich, R. (2019). Culturing, isolating and identifying campylobacter in Rhodes University water sources. Oral presentation, 7th Annual Science Research Conference: "Global Climate Challenges: A SASC Cry on Water, Energy, Health & Food Security, Faculty of Science, University of Namibia, Windhoek, 13th to 14th November 2019.
- Ncube, M., Madikizela, P., Tandlich, R., Wilhelmi, B. S., Laubscher, R. (2019). Reuse of sludge from a South African wastewater treatment plant as a plant-growth medium. Oral presentation, 3rd Multi/interdisciplinary Research Conference, University of Namibia, Windhoek, Namibia, 23rd to 25th July 2019.
- Ngqwala, N. P., Srinivas, C. S., Tandlich, R., Pyle, D. M., Oosthuizen, R. (2017). Participatory multi-stakeholder platforms for effective disaster management in South Africa. *Journal of Disaster Research* 12(6): 1192-1203.
- Nicholson, T. J., Tandlich, R., Ngqwala, N. P., Wisch, M. H. (2017). An energy, water and disease disaster management module: a techno-economic feasibility analysis. Oral presentation, 2017 Annual conference of the Disaster Management Institute of Southern Africa, Vulindlela Accommodation and Conference Centre, Port Elizabeth, South Africa, 26th to 28th September 2017.
- Rusere, J., Molo, N., Srinivas, C.S., Tandlich, R. (2019a). Menstruation in the social context: A look at menstruation and the significance of sociocultural factors and gendered discriminative norms, that infringe on women's sexual and reproductive health rights in societies worldwide. Oral presentation, 3rd Multi/interdisciplinary Research Conference, University of Namibia, Windhoek, Namibia, 23rd to 25th July 2019.
- Rusere, J., Srinivas, C.S., Tandlich, R. (2019b). An ethical and disaster management approach to antimicrobial resistance in South Africa. Oral presentation, ECHO and Partners Disaster Preparedness Regional Workshop in Southern Africa and the Indian Ocean (SA IO), Premier Hotel, OR Tambo International Airport, Johannesburg, 27th to 29th November 2019.
- Sharma, S., Tandlich, R., Srinivas, S. (2019). Development of a health information leaflet on antimicrobial resistance for low- to semi-literate community health workers. Poster presentation, ICPIC/International Conference on Prevention and Infection Control, Centre International de Conférences, Geneva, Switzerland, 10th to 13th September 2019.
- Smithsonian National Museum of Natural History (SNMNH, 2018). What does it mean to be human: The Age of Humans: Evolutionary Perspectives on the Anthropocene. Available at: <http://humanorigins.si.edu/research/age-humans-evolutionary-perspectives-anthropocene> (Accessed on 16th December 2019).
- Stern, P.C., Young, O. R. (1992). Global Environmental Change: Understanding the Human dimensions. Chapter 4: Human consequences and responses. *The National Academies Press*, Washington, DC, USA. Available at: <https://www.nap.edu/catalog/1792/global-environmental-change-understanding-the-human-dimensions> (Accessed on 16th December 2019).
- Tandlich, R. (2019). The history and the role of the military in the disaster management of infectious disease outbreaks on the African Continent. Oral presentation, International Conference on the Role of the Military Sectors in the Face of the Natural Disasters, University in Rabat, Morocco, 3rd to 5th December 2019.
- Tandlich, R., Singh, K., Srinivas, C. S. (2019a). Non-military intelligence gathering in managing social unrest and related disaster risk: an African perspective. Poster presentation, World Congress on Risk 2019/9th Biennial meeting of SETAC Africa, Cape Town, South Africa, 5th to 8th May 2019.
- Tandlich, R., Angala, H., Vhiriri, E. P., Ngqwala, N. P., Zuma, B. M., Nnadozie, C. (2019b). Scoping the WASH vulnerability of the [population in Southern African Development Community: Angola and Namibia. Proceedings from the 24th International Scientific Conference "Solutions for crisis situations in specific environments", Department of Security Engineering, University of Žilina, Žilina, Slovakia, 22nd until 23rd May 2019, pp. 509-522 (ISBN: 9 78-80-554-1559-8).
- Tandlich, R., Nhokodi, T., Sharma, S., Srinivas, C. S. (2019c). Adaptive capacity of public health systems in developing countries. Oral presentation, XI. Annual Conference of the Faculty of Health Sciences of the Technical University of Liberec, Technical University of Liberec, Liberec, Czech Republic, 29th October 2019.
- Tandlich, R., Mkwakwami, K. (2018). Social unrest, business continuity and resilience in South Africa. Oral presentation, 2018 Annual Conference of the Disaster Management Institute of Southern Africa, Benoni, South Africa, 19th to 20th September 2018.
- Vhiriri, E. P., Maguire, K., Navidad, F. C., Laubscher, R., Moricová, V., Tandlich, R. (2019). On the role of pharmacists in disaster risk management in South Africa. Oral presentation, XI. Annual Conference of the Faculty of Health Sciences of the Technical University of Liberec, Technical University of Liberec, Liberec, Czech Republic, 29th October 2019.
- Waters, C. N., Zalasiewicz, J., Summerhayes, C., Barnosky, A. D., Poirier, C., Galuska, A., Cearreta, A., Edgeworth, M., Ellis, E. C., Ellis, M., Jeandel, C., Leinfelder, R., McNeill, J. R., Richter, D. deB., Steffen, W., Syvitski, J., Vidas, D., Wapre, M., Williams, M., Zhisheng, A., Grinevald, J., Odada, E., Oreskes, N., Wolfe, A. P. (2016). The Anthropocene is functionally and stratigraphically distinct from the Holocene. *Science* 351(6269): 137-147. (DOI: 10.1126/science.aad2622)

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THE NEW TIEMS FRENCH CHAPTER

About the French Chapter; In partnership with Resilience France



HAUT COMITÉ FRANÇAIS POUR LA RÉSILIENCE NATIONALE

❖
The TIEMS partnership with the HCFNR forms a collaborative platform of ideas and projects for a crisis prevention and management network among professionals.
❖

Headed by Christian Sommade, the founding of the French Chapter in 2019 was made possible with the support of the High Committee for French National Resilience (HCFNR), a NGO focused on civil protection, disaster survey and resilience. In its 37 years of existence, the HCFNR has facilitated public-private debates on national security issues, major risks and threats, crisis management and business continuity through forums and dialogue, such as breakfast talks in the French Senate, conferences/symposia, webinars, and a monthly newsletter.

Topics of interest of the HCFNR cover infrastructure resilience, network and cyber resilience, societal resilience, organisational resilience, health resilience, environmental resilience and economic resilience. The organisation aims to improve the resilience in these sectors to ensure and improve the early detection of emergencies, resulting on lowered human and environmental impacts. Furthermore, this organisation offers services for all members, which include a security media monitoring platform and workshops. Monitoring platforms include: France Watch, International Watch, Technology Watch, situation rooms, and is introducing a new situation room that will come with a digital eco-system.



“Think Tank”: activities in exchanging and sharing knowledge and ideas on the topics of global security

In its mandate, the HCFNR also partners with the state and its services, local communities, commercial enterprises, critical operators, start-up businesses/companies, other NGOs and experts in the field and practice. The HCFNR is involved in community programs, such as Orange Flag (FF72), and the H2020 European programme. Resilience France also offers professional certifications at three levels of crisis management.

The TIEMS partnership with the HCFNR forms a collaborative platform of ideas and projects for a crisis prevention and management network among professionals. Together, they will host the 27th TIEMS Annual Conference 2020 to be held in Paris, France. The call for papers for the 2020 TIEMS Annual Conference will be in the next issue.

Level	Crisis management and management	Risk and Threat Analysis	Business continuity
1	Emergency/Crisis Manager	Auditor	Lead auditor
2	Pilot Emergency/Crisis Management cells	Analyst	Lead Implementer
3	Emergency/Crisis Director	Senior Analyst	Expert

HCFNR Professional Certifications

Contribution by: Jean-Paul Monet, written by: Kelly-Anne Frith

TIEMS AUSTRALIA

Introducing the TIEMS Australia Chapter

First, a warm hello to all chapters and members in The International Emergency Management Society from Australia! We are a group of new TIEMS members working for various senior roles in the Australian emergency management field from the police force, firefighting, trauma research, project management, aerial-firefighting industry and Australian Medical Association education management.

We all became to know both TIEMS and the president, K. Harald Drager through a few emergency management conferences since November last year. We share the same vision and interest in disaster management as stated in TIEMS, thus were attracted by the passion and burden of Mr Drager, particularly TIEMS international reach and its plan for a global emergency management certification. Among us, Russel Dippy and Desiree Beekharry became TQC candidates for TIEMS.

Our goal is to establish a TIEMS Australia Chapter. Our current objectives are to connect and network with as many professionals in the emergency management realm and other associated groups and promote TIEMS; to have solid and returning number of participants; and, to have a group of these participants who will take on the various roles of a Chapter Board in order to form the Chapter as a legal entity.

So far, we have networked through word-of-mouth and Mr. Drager presented (in person) at the AFAC19 Conference, which is probably Australasia's largest and most comprehensive emergency management conference and exhibition in the Asia-Pacific region: <https://www.afaconference.com.au/>

In line with collaboration and connection, our team in Australia has created a LinkedIn site: <https://www.linkedin.com/groups/13796066/>. We encourage all Chapter members and associated networks to join us and start conversations on how to best serve the TIEMS purpose and generally how we can collaborate internationally. The LinkedIn group currently has seven members and we in Australia look forward to these numbers growing.

We are also considering whether we should have our New Zealand colleagues join us and form an Australia-New Zealand Chapter instead of just Australia.

In line with networking, Russell and Desiree have proposed to write a paper for submission to AFAC20 which will talk about the various existing certification around the world, including the TQC Certification. As the idea for the paper only came about on 5 December, it is still a work-in-progress as we prepare for the abstract submission which closes **10 February 2020**. We will then be expected to prepare a 2000-word paper by **3 July 2020** and if accepted it will be an oral presentation. Watch this space please as we will keep you advised of our progress. If you feel you can provide some input into any of the certifications currently offered internationally, any ideas for consideration as we prepare for this paper, please contact us on LinkedIn. We will be very glad to hear from you.

Desiree Beekharry has just been appointed the Regional Director for Australia, New Zealand, and Oceania. She looks forward to developing this role and more importantly, growing the network here in Australia and sharing our learnings and experiences with the TIEMS international network.



Meanwhile, TIEMS Australia would like to wish you all the very best of the Season's Greetings and a Happy New Year.

Contribution by: Desiree Beekharry and Min Ding

CONFERENCE REPORTS

TIEMS Annual Conference: Toward the Bright Future of Safety

Seoul, South Korea, 12–15 November 2019

The 26th TIEMS Annual Conference, held during 12–15 November 2019 in Goyang, Seoul, South Korea, was a success! The Conference Motto this year was: “Toward the Bright Future of Safety”, and topic included:

- ⇒ 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 and 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)

With the hard work of our president, Harald Drager, and the excellent organization of South Korea organizers, we concluded the conference as follows:

1. There were about 17 countries and regional experts from around the world that participated at the conference. During the conference, there are 4 workshops, 6 sessions, 10 keynote speakers with a total of 46 experts presenting oral presentations during the conference.
2. The new and hot topics of the conference were concerning the TQC of TIEMS, capacity buildings, high tech applications, NGO roles in SAR and emergency responses, Horizon 2020 planning on civil protection, comprehensive SAR in-country and at a regional level, disaster monitoring and alerts, resilience of the city and regions and new comprehensive emergency management systems.
3. During the conference, experts from many countries had many discussions on:
 - a) TQC of the TIEMS and certification modules of emergency management.
Experts suggested that TIEMS can practice TQC step-by-step with different modules and groups of courses. As a result, a series of certification programs will be created.
 - b) NGO roles in SAR and emergency responses.
Many experts from different countries were interested in creating an NGO platform in SAR and emergency responses for when a catastrophe strikes. They hope to establish the TIEMS NGO Emergency Response and Rescue Task Force Group/Committee and, by so doing, strengthen the relationship that TIEMS could have with UNOCHA and the support from the INSARAG Secretariat when the catastrophe occurs. Some experts from China, South Korea, South Africa, France, to name a few, hope to assemble this committee.
 - c) The regional chapters.
Two regional chapters were proposed during the conference: (1) The Great Bay (South China Sea) Regional Chapter and (2) The Northern Asia Regional Chapter. During the conference, experts from China, Mongolia and South Korea expressed that they hope to form “The Northern Asia Regional Chapter” in collaboration with Russia, Kazakhstan, Japan and other nearby countries. Regarding “The Great Bay (South China Sea) Regional Chapter”, experts from China and Hong Kong hope to form a Chapter including Mainland China, Hong Kong,

Macao, The Philippines, Taiwan, and other Asian countries along the South China Sea owing to the similarity of the disasters in the region.

d) The EU's Horizon 2020 project.

Some experts were interested in collaboration on proposals for projects under the TIEMS platform.

4. The annual AGM was held during the conference with discussions on several topics:

a) Re-elections and results:

- 1) TIEMS President: K. Harald Drager
- 2) TIEMS Regional Director for Europe: Jean-Paul Monet
- 3) TIEMS Regional Director for Australia, New Zealand and Oceania: Desiree Beekharrry
- 4) TIEMS Regional Director Asia (Philippines): Rodney Jagolino (two-year)

b) The budget for 2020 was approved.

c) The 27th Annual TIEMS Annual Conference is to be held in Paris, France in December 2020.

d) A tour was arranged following the Conference; visits included:

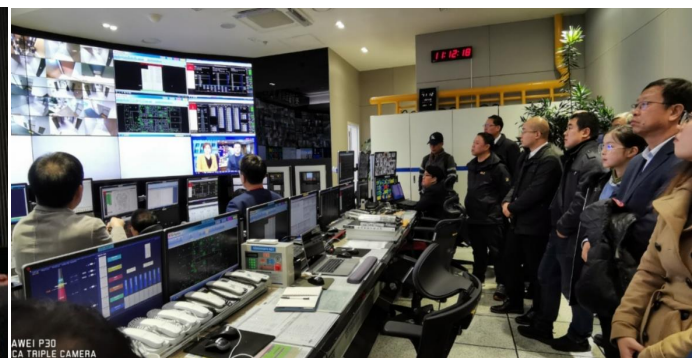
- 1) Songpa Safety Experience Education Center
- 2) Lotte Tower (Safety Control Center): Lotte Tower is a newly constructed building, the highest in Korea and the 5th highest in the world, standing at 555 m with 123 floors. The safety control center and escape floors in Lotte Tower were of particular interest. The emerging risks for safety in cities are in these supertall skyscrapers (or high-rise buildings) and more attention needs to be paid to this.

b) Conference sponsors include:

- 1) Dorapower Company from China
- 2) Association of Slope Disaster Mitigation of South Korea
- 3) CASK from South Korea
- 4) Kangwon National University
- 5) Peaceland Foundation from China (Peaceland Foundation from China have generously provided financial support for: 3 experts from Beijing, China, 1 from Thailand (International Council for Voluntary Agency), and 1 from NEMA, Mongolia. Financial support will be allocated towards transport, accommodation and membership fees.)



26th TIEMS Annual Conference venue, Goyang, Seoul, South Korea



Safety Control Center at Lotte Tower, Seoul, South Korea

Contribution by: Qu Guosheng

2019 TEMC & BHGF International Medical Forum & The 8th Harvard–China Program Experience Exchange Conference Kunming, China, 16–17 November 2019

With the support of Health Commission of Yunnan Province and Kunming Medical University, hosted by The International Emergency Management Society Emergency Medical Committee (TEMC), Beijing Huatong Guokang Foundation (BHGF), and undertaken by The First Affiliated Hospital of Kunming Medical University, The First People's Hospital of Yunnan Province, the 2019 TEMC & BHGF International Medical Forum & The 8th Harvard–China Program Experience Exchange Conference was successfully held in Kunming, China, from the 16th to the 17th of November 2019.

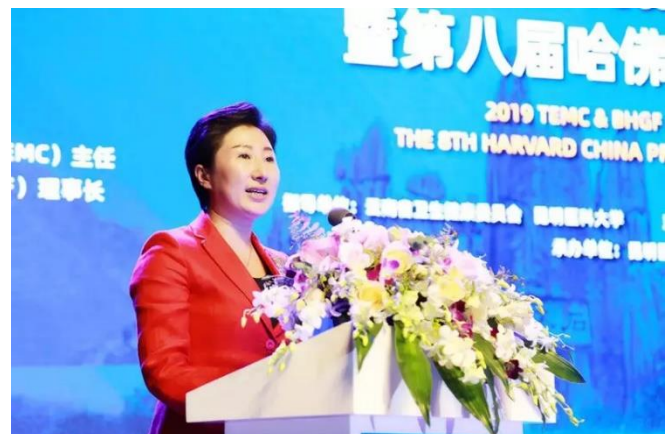


Conference venue, Kunming, China

The conference invited foreign experts from top international medical institutions, including The International Emergency Management Society (TIEMS), Harvard Medical School, hospital associated with the University of California, to name a few. There were more than 100 leaders of health administration departments and hospital presidents from all over China attending the conference. Wang Kunhua (president of the First Affiliated Hospital of Kunming Medical University) and Jiang Lihong (president of The First People's Hospital of Yunnan Province) were the hosts of the conference.

During the conference, Wang Canping (Secretary of Health Commission of Yunnan Province) introduced development of medical and health services in Yunnan and reported on the condition of international medical exchange and cooperation that has happened in recent years. Secretary Wang indicated that it's a great chance to hasten medical exchange and international cooperation, and promote the medical and health services of Yunnan province through this event. In order to implement the Health China Program to ensure people's health, he stated that the scope of exchange and cooperation needs to be broadened, advancement in medical technology need to be made and improvements in management also need to be made in the future. Secretary Yuan Bin of Kunming Medical University made a basic introduction on the construction of the university's Double-First Class disciplines and the training of international health personnel, and encouraged the strengthening of foreign exchanges and learning.

Chen Ran, Director of TEMC and Chairman of BHGF said that, during the past few years, with support from all the administrative departments, TEMC & BHGF have closely focused on the Health China Program policy. The main idea of this policy entails caring for medical personnel, followed secondly by helping the poor, and lastly, from the perspective of the hospital, charity activities should be positively carried out by medical personnel and patients, thus empowering the development of Chinese health services. The successful completion of the forum aims to build a high-end, sustainable and joint communication platform.



Chen Ran addressing the delegation Health China Program policy

At the meeting, K. Harald Drager, president of The International Emergency Management Society (TIEMS), sent a congratulatory message to the conference organising committee and delegates, and shared his experience on the topic of “the status and challenges of emergency search and rescue”. Qu Guosheng (member of the Standing Expert Group of the Ministry of State Emergency Management, head of the Rescue Expert Group of the China Earthquake Administration and vice president of The International Emergency Management Society [TIEMS]), Wang Kunhua (president of The First Affiliated Hospital of Kunming Medical University), Dr Jie Zhou (Brigham and Women’s Hospital, Harvard Medical School), Dr Charlie Abraham (California University Hospital), Wang Yonghong (chairman of the Committee of Education and Health of the CPPCC of Jiangsu Province and president of Jiangsu Provincial Medical Association), Yu Kaijiang (president of The First Affiliated Hospital of Harbin Medical University), Dong Jun (vice president of Tianjin Taida International Cardiovascular Hospital) respectively delivered lectures and shared experiences on topics such as “The Trend and Task of Emergency Management In the New Era”, “Clinical Application of 5G Smart Medical”, “Establishing a Patient-Centred Medical Environment”, “Hospital Leadership in the US Healthcare System”, “Medical Revolution in the 5G and AI Era”, “AI and Medicine” and “Lean Daily Management for Healthcare Field Book”.



Qu Guosheng delivering his speech

The Releasing Ceremony for the Learning Report Album of the 10th Session Hospital Presidents Education Program in Harvard was witnessed by the participants of all session programs. After competitive election speeches by representatives from hospitals in various provinces and on-site voting, the 2021 TEMC & BHGF International Medical Forum & the 9th Harvard–China Program Experience Exchange Conference will be held in Guangzhou, Guangdong province, China, and undertaken by Nanfang Hospital of Nanfang Medical University (date to be determined).



Learning Report Album Issuing ceremony

Over the years, TEMC & BHGF have adhered to the establishment of a public welfare-support platform and an international high-end resource platform to help Chinese medical institutions build cooperation with world-renowned universities and hospitals. The successful completion of the 2019 TEMC & BHGF International Medical Forum & 8th Harvard–China Program Experience Exchange Conference has effectively consolidated the medical exchange achievements between China and foreign countries, responded to the One Belt and Road initiative, established a regular communication mechanism and continued international high-end dialogue, facilitating the cooperation between China and western countries in medical exchange and cooperation.



The trophy hand-over ceremony for the host cities of the next Medical Forum

Contribution by: Qu Guosheng

TIEMS 2019 Italy Chapter Workshop



The International Emergency Management Society Italian Chapter

Sede Legale: Via Cadore, 26 - 20135 Milano (Italia)

Email: info@tiems-ic.it

Sito web: <https://tiemsic.wordpress.com/>

Codice Fiscale: 97649520158

TIEMS Italian Chapter Workshop

Prevention and preparedness in Emergency Management: how to improve infrastructure resilience

Rome, January 29th, 2019

ENEA Headquarters, Lungotevere Thaon di Revel, 76, 00196 ROME

Draft agenda

9:00 - Welcome coffee and participants' registration

- 9:30 Opening
Simona Cavallini (TIEMS-IT President)

Infrastructure: prevention and preparedness in Italy

- 10:00 – 10:30 Electrical distribution
Silvio Alessandroni (ACEA-Areti SpA)
- 10:30 – 11:00 Prevention and preparedness in the Italian road system
Patrizia Bellucci (ANAS SpA)

11:00 – Coffee break

Threats on the Italian territory

- 11:30 – 12:00 The Italian Earthquake Observatory
Salvatore Stramondo (Osservatorio Nazionale Terremoti, INGV, Rome)
- 12:00 – 12:30 Flooding risk assessment: the NEWFRAME project
Marcello Arosio (Pavia University and IUSS)
- 12:30 – 13:00 Scenarios opened by climate changes
Gianmaria Sannino (ENEA)

13:00 - Lunch

Joint event with:



European Infrastructure Simulation and Analysis Centre

Italian Node

ENEA Casaccia Research Centre, Rome

Website: www.eisac.it

Email: vittorio.rosato@enea.it



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From protection to resilience

- 14:30 – 15:00 The Italian Department of Civil Protection: strategies and perspectives
 Luigi D'Angelo (Italian Department of Civil Protection)
- 15:00 – 15:30 EISAC.it and its tools: CIPCast, a Decision Support System for risk analysis and forecast on Critical Infrastructure
 Maurizio Pollino (ENEA and EISAC.it)
- 15:30 – 16:00 The WeResilient Project
 Alessandro Attolico (Province of Potenza)
- 16:00 - 16:30 The role of the Italian National Corp of Firefighters in territorial resilience: the urban dimension and the infrastructure perspective
 Stefano Marsella (Corpo Nazionale dei Vigili del Fuoco) TBC
- 16:30 – 17:00 TIEMS International activities and conclusions
 Sandro Bologna (AIIC and TIEMS International)

With the endorsement of:



Associazione Italiana esperti in Infrastrutture Critiche
 Website: www.infrastrutturecritiche.it/
 Email: segreteria@infrastrutturecritiche.it

Joint event with:



European Infrastructure Simulation and Analysis Centre
 Italian Node
 ENEA Casaccia Research Centre, Rome
 Website: www.eisac.it
 Email: vittorio.rosato@enea.it

PROJECT REPORTS



TERRIFFIC – Tools for early and Effective Reconnaissance in cbRne Incidents providing First responders Faster Information and enabling better management of the Control zone

The 4th of March 2018 is a date no one involved in CBRNE response will forget in a hurry. The former Russian double-spy, Sergei Skripal, and his daughter, Yulia, were poisoned with the Novichok nerve agent in the city of Salisbury, United Kingdom. Both have recovered from the attack, although tragically local resident, Dawn Sturgess, subsequently died after coming into contact with the agent, which was contained in a perfume dispenser.

The initial minutes and hours of a response to any CBRNE incident, are absolutely critical. Responders aim to contain the most severe consequences, stop the ongoing criminal or terrorist threat, save victims, manage the crime scene and organise an effective response. This is also the time when first responders are most at risk as the nature, extent and intensity of the contamination is still unknown and secondary devices or contaminated objects may still be present.

Fewer risks for the response team

The TERRIFFIC project, which has received funding from the European Union's Horizon 2020 research and innovation programme, will deliver a step change in the effectiveness of first responders during the first 30 minutes of a radiological, nuclear or explosive (RNE) incident. This project will lead to reduced response time, fewer risks for the response team and less human intervention in the operation, due to a higher number of automated processes and extended mobile detection capabilities.

TERRIFFIC will enrich the broader European response to RNE events by developing a set of modular technology components in a comprehensive system. These will include new detectors, drones, robots, dispersion models, augmented reality software, information management and decision support systems. The project will also provide detailed information on the applicability of some developments within a chemical and biological (C/B) context. Therefore, although the focus is on RNE, the outcomes are intended to have a wider impact by extending to the C/B context.

"Within TERRIFFIC, we are developing a mobile augmented reality system that is designed to plug over the top of the UAV and the robots and the sensors to provide a magic eye view of the incident," explained Mike Griffin of the Luxembourg Institute of Science and Technology, one of the project's technical partners.

Trialling components with French firefighters

All aspects of the project are practitioner driven. Leading edge technologies will be provided by the R&D partners, whereas key innovative components will be developed by SMEs already involved in military or first responder markets. The practitioners will be strongly involved throughout the development process, components assessment and technology trialling.



Chambéry, not far from the Lac du Bourget in France, was the venue in April 2019 for the first TERRIFFIC Trial – an initial assessment of the existing technologies in the TERRIFFIC components. This three-day training and assessment event, hosted by SDIS73, the French fire service for the Savoie region, allowed the technical team to create a baseline from which future development and integration work can progress. Several different radiation scenarios were utilised to challenge the components in both indoor and outdoor environments, providing a baseline to evaluate the effectiveness and the potential of the various technologies.



Assessing the existing technology in the first TERRIFFIC Trial, Chambéry, France, in April 2019

Lt. Col. Denis Giordan of SDIS73 emphasised the aspirations of the project by saying: “I hope that TERRIFFIC will be able to help the safety of first responders and specialised responders and to improve the tactical situation analysis.”

TERRIFFIC components were also used during the eNOTICE Trial in Gurcy, France in May 2019 to demonstrate the augmented value of drone and robot use for first responders. Run by SDIS77 at their training centre, this Trial involved 600 participants from the police and fire services, as well as representatives from the French Ministry of the Interior and the European Commission. The results were impressive.

Following on from what was learnt during these Trials, the technical team will continue to develop and evolve these technologies – both independently and as an integrated system. Subsequent Trials with the ongoing involvement of practitioners will help to ensure that TERRIFFIC can really make a difference to first responders involved in the initial response to an RNE incident.

To watch the video of the first trial, to get involved in TERRIFFIC or to find out more about the project, please visit www.terrific.eu.

Contact information

If you would like to know more about the TERRIFFIC project, please contact us by email below:

Project Coordinator: **Ulisse Gendotti**, ARKTIS Radiation Detectors
coordination-terrific@eurtd.eu

Project Communication and Media Contact: **Rob Munro**, ARTTIC
communication-terrific@eurtd.eu

Disclaimer: This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 786729. The views expressed in this press release reflect the views of the authors. The European Commission is not liable for its content and the use that may be made of the information contained herein.

Contribution by: Rob Munro

EU DRIVER+ Multinational Final Demonstration **Poland and The Netherlands, 26–28 November 2019**

The final crisis management demonstration staged by the DRIVER+ project, held in Poland (with additional remote input and participation from The Netherlands) from 26 to 28 November, has been judged a big success, achieving all its key goals.

The three-day event saw crisis management module teams from Poland, Bulgaria, Romania, The Netherlands and Austria, along with EU Emergency Response Coordination Centre and EU Civil Protection Teams, simulate the deployment and use of firefighting teams and assets from the donor countries to a fictional country – ‘Driverstan’ – where persistent wildfires had overwhelmed local resources and, at one stage, also threatened a refugee camp, requiring an orderly evacuation.



Modules teams simulating the deployment of national Crisis Management teams to ‘Driverstan’, the scene of large-scale wildfires.

All the issues associated with the movement of teams across borders were ‘played’ with high degrees of realism, along with the gathering and integrating of up-to-date fire imagery, terrain and other data required to support firefighting teams and commanders both on the ground and in off-site command centres.

The objective was to use and evaluate (using the project’s Trial Guidance Methodology) the various technological solutions for creating and sharing across agencies and borders a dynamically updated Common Operational Picture (COP). Delivering such a COP is the key to efficient, successful crisis management because it optimises the effectiveness of the limited resources available.

The solutions used by the various crisis management teams were: Socrates OC from GMV, viewTerra Evolution from VWORLD, CrisisSuite from Merlin Software, Drone Rapid Mapping from Creotech Instruments and the Field Reporting Tool developed by the European Commission Joint Research Centre. Each of these solutions was integrated using the DRIVER+ Test-bed Technical Infrastructure. The solutions used were independently assessed by observers and participants, a key objective of the DRIVER+ project.

This Final Demonstration event represents the culmination of several years of intense hard work, trial testing and best-practice development by various members of the pan-European EU-funded DRIVER+ project.

The main organiser in the preparation of the Final Demonstration was the Space Research Centre of the Polish Academy of Sciences, supported by the Main School of Fire Service in Warsaw in conjunction with the DRIVER+ team.

The Final Demonstration took place in three different locations at the same time: The Space Research Centre of the Polish Academy of Sciences and the Main School of Fire Service, both in Warsaw/Poland, and the Safety Region Haaglanden in The Hague/The Netherlands.



EU DRIVER+ Multinational Final Demonstration

DRIVER+ is a pan-European project designed to build Europe's resilience to climate-related crisis situations, such as wildfires and flooding, as well as other threats such as earthquakes, industrial accidents and terrorism. A key focus of these Demonstrations organized by DRIVER+ is to help crisis management organisations evaluate and select the best (technological) solutions for supporting enhanced emergency management, based on clear, objective criteria (using the Trial Guidance Methodology). Drones, advanced crisis management solutions and cross-border cooperation all featured strongly in the Final Demonstration and evaluation.

Marcel van Berlo (TNO), the DRIVER+ project's technical coordinator, said that the Final Demonstration in Poland and the Netherlands was the last in a series of Trials executed within the framework of the DRIVER+ project. Van Berlo reported on two key objectives:

- 1) This Final Demonstration was expected to be the most mature of the DRIVER+ Trial series, since it was based on the final version of the project's Trial Guidance Methodology and the Test-bed Technical Infrastructure, two of the DRIVER+ project's key outputs. The Final Demo addressed the needs of the main end-user – the European Union's Emergency Response Coordination Centre (ERCC).

The ERCC is the heart of the EU Civil Protection Mechanism, coordinating the delivery of assistance to disaster-stricken countries (such as relief items, expertise, civil protection teams and specialised equipment). Thus, the Final Demonstration directly addressed the pan-European approach towards which the DRIVER+ project has been aiming for the past years.

The DRIVER+ project has been exploring, testing and promoting new ways to manage crises of various kinds, by assessing in realistic, practical and multinational Trials a number of innovative solutions, using the newly developed Trial Guidance Methodology and Test-bed Technical Infrastructure.

- 2) The second key objective was to demonstrate the outcomes of the DRIVER+ project and to sustain its results. Outcomes that were demonstrated included the DRIVER+ Trial Guidance Methodology, and the Test-bed Technical Infrastructure.

Van Berlo went on to say that other key project outputs such as the Portfolio of Solutions and the Crisis Management Innovation Network Europe (CMINE) will be promoted at the project's Advanced

Crisis Management Conference in Brussels from 19 to 20 February 2020. For more information on this, see [page 12](#).

Karolina Trzebińska, one of the organisers of the Final Demonstration and a project specialist at the Space Research Centre in Poland, said that this closed event for high level crisis management practitioners was intended to promote the idea of trialing and Centres of Expertise (another key project output). The Space Research Centre and the Main School of Fire Service will benefit from the extensive knowledge gained through participation in DRIVER+. A joint declaration was signed, thus launching the Centre of Expertise to support the sustainability of DRIVER+ project outcomes.



The signing of the joint declaration for the Polish Space Research Centre to become a DRIVER+ Centre of Expertise. Signatories: Prof. Iwona Stanisławska, Director of the Polish Space Research Centre, and Dr M.P.W. (Marcel) van Berlo, Program Coordinator for the DRIVER+ project.

The Space Research Centre has cooperated with the Central European Drone Demonstrator in Poland (the national establishment for demonstrating and testing of drone applications), aimed at testing, assessing and developing best practices for the use of aerial drones for crisis management, rescue operations and public safety. The Space Research Centre also intends to actively support development, testing and assessing arrangements for air space (air traffic) management enabling the use of drones for crisis-related operations.

Trzebińska also stated that the Space Research Centre may also act as a Centre of Expertise for testing new GIS geo-information products and services, based on satellite imagery (especially from Copernicus) along with images and videos from drones, or combinations thereof, building upon the knowledge gained from several ESA, EU and national projects related to downstream earth observation developments.

The project partners and associated specialists and solutions providers will be outlining the DRIVER+ project and Final Demonstration findings at the final conference in Brussels on 19-20 February 2020 (see more about the conference on [page 12](#)). They will be also supporting broader dissemination of the results through an active programme of media activities, publications and online and social media promotions.

Contribution by: Stephen Prendergast

DRIVER+ CALL FOR PAPERS

**DRIVER+ Advanced Crisis Management
Conference
Brussels, Belgium, 19–20 February 2020**



Crisis Management Professionals invited to free DRIVER+ Advanced Crisis Management Conference to be held in Brussels on 19–20 February 2020

Crisis management professionals are being invited to attend a unique international emergency management conference being held at the Bluepoint conference centre in Brussels on February 19/20, 2020. And it's **free!**

The DRIVER+ Advanced Crisis Management Conference is the culmination of several years of work involving trials, demonstrations, technology assessments and research to accelerate innovation in crisis management throughout Europe, in particular in connection with climate change related-events such as wildfires and flooding.



Bluepoint conference venue, Brussels

The conference will provide a unique overview of how crisis management organisations can use the project's outputs to select and evaluate solutions addressing identified crisis management gaps on a thorough, methodological basis. It will constitute an invaluable opportunity to access cutting-edge research, trial feedback and technological solutions, with assessment insights from leading researchers and practitioners.

Specialist speakers from world leading organisations such as the Tyndall Centre for Climate Change Research will speak on topics such as climate change and wildfires.

In a series of keynotes, plenaries and specialist demonstrations, participants will learn about and actively experience the work and lessons learned within the DRIVER+ project teams:

- The development of a scientifically based trial methodology, the **DRIVER+ Trial Guidance Methodology** for conducting trials of Crisis Management solutions and the **Test-bed Technical Infrastructure (TTI)** that underpins it; and,
- Reports on the large-scale **Trials** based on the TGM and TTI conducted in Poland, France, The Netherlands and Austria set up to assess technological and other crisis management solutions in realistic scenarios.



DRIVER+ is an EU funded project tasked with promoting and testing new, science-based improvements in crisis management, to improve response to climate-change related threats such as wildfires and flooding, as well as other threats such as industrial accidents and terrorism.

There will also be presentations on:

- The establishment of an open, cooperative information-sharing network, the **Crisis Management Innovation Network Europe (CMINE)**.
- The **DRIVER+ Portfolio of Solutions** - an online database of crisis management technologies.
- The establishment of a network of **DRIVER+ Centres of Expertise** to ensure the sustainability of project outputs.

Attendees will also have access to a solutions marketplace of technologies and tools tested at DRIVER+ Trials.

To register, please go to the 'Final Conference' section of the DRIVER+ website:

www.driver-project.eu

www.driver-project.eu/final-conference

For further information contact:

Stephen Prendergast

DRIVER+ Dissemination and Communication

Email: prendergast@arttic.eu

DRIVER+ Background information:

Governments and populations are increasingly aware of the threats to public safety posed by climate change, in particular wildfires and flooding. DRIVER+ is a pan-European project tasked with promoting major new, science-based improvements in Crisis Management (CM), to improve response to natural disasters and other threats. The project's scope includes the promotion and trialling of advanced technologies and other CM solutions in realistic scenarios, the development of scientifically-based trial methodologies (the Trial Guidance Methodology and the Test-bed Technical Infrastructure), plus other key project outputs such as the Portfolio of Solutions, the building of cooperative information sharing networks, the Crisis Management Innovation Network Europe (CMINE), and the establishment of a network of Centres of Expertise. This project has received funding from the European Union's 7th Framework Programme for Research, Technological Development and Demonstration under Grant Agreement (GA) N° #607798



DRIVER+: promoting and testing new, science-based improvements in crisis management, to improve response to climate-change related threats, such as wildfires, flooding, industrial accidents and terrorism.

Contribution by: Stephen Prendergast

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DRIVER+ CALL FOR ENTRIES

DRIVER+/CMINE Innovative Solutions Contest



- *Do you have the tools and know-how to save lives, property and the environment?*
- *Is your solution at an advanced stage of development (TRL 6 – TRL 9), already trialled or even applied in real situations?*
- *Is your company is registered in an European Union state or in an Associated country?*

Join the "Top 3 Innovative Solutions in Crisis Management 2020" contest!

The Crisis Management Innovation Network Europe (CMINE) and the DRIVER+ project organise a competition for Crisis Management solutions with high innovation potential. The competition is expected to stimulate the uptake of innovative solutions, encourage synergies and cooperation between various projects and reduce the fragmentation in the Crisis Management domain.

We invite all interested solution providers to register for the competition by uploading the solution description with supporting evidence at the [Portfolio of Solutions](#) website, and allowing the publication of the information on the [CMINE platform](#).



What are the benefits for solution providers?

1. The information of all entries will be available to hundreds of professionals throughout Europe, and disseminated widely within the crisis management community.
2. The three winners will be granted an exhibition booth at the DRIVER+ Final Conference on 19–20 February, which will bring 300 crisis management professionals to Brussels, and will have 10 minutes to present each solution during Day 1 of the conference.
3. The travel expenses of two persons per solution will be reimbursed by the DRIVER+ project.

How the entries will be evaluated?

All entries will be evaluated by a jury, comprised of practitioners, solution providers, researchers, and standardisation and innovation experts. In the composition of the jury adequate care is taken to avoid potential conflicts of interest. In addition, all members of the CMINE can cast a vote.

We will use three evaluation criteria:

1. Proven/potential contribution to crisis management and disaster risk reduction
2. Affordability
3. Contribution to crisis management innovation

The final decision will be made by averaging the results of the "popular vote" on CMINE and the jury's evaluation.

Timelines:

- Submission deadline: 13 January 2020
- Evaluation and decisions: 29 January 2020
- Invitation to the winners to present at the DRIVER+ Final Conference: 30 January 2020
- Presentation of the winning solutions at the Final Conference: 19 February 2020

[Add your solution and enter the contest today!](#) (For solutions that are already in the PoS, please just change the relevant parameters in the solution edit mode)

TIEMS NEWS

27th Annual TIEMS conference

Coming in 2020!



Supported by the **TIEMS France National Chapter**
 Venue: **Paris, France**
 Agenda: **Sept/Dec** (to be confirmed)

Call for papers coming soon

Topics include:

- Resilient cities towards natural disasters
- IT and IA in civil protection areas
- Safety of (new) energies
- Focus on EU civil protection mechanisms

Contact
Jean-Paul Monet
 for more information
 (Tiems-France@teamhcfdc.org)



TIEMS LinkedIn Group:

“TIEMS - The International Emergency Management Society”

Join by following this link:

<https://www.linkedin.com/groups/13796066/>



The TIEMS LinkedIn Group has now been created for all TIEMS members to share information worldwide. Through this Group, members are able to further their networking and share information, thus raising the collaborative efforts amongst TIEMS membership. We encourage all members to consider posting information on events, development opportunities, reports on emergency events that may be of interest to members, or any other topic that members think will be of benefit to other members.

If anyone has any questions, please contact Russell DIPPY at russell.dippy@outlook.com

Disclaimer: Standard rules of a professional sharing site apply.

NEXT TIEMS NEWSLETTER

The next TIEMS Newsletter is planned for February/March 2019

TIEMS issues its electronic newsletter quarterly, and it is distributed to more than 160 000 experts worldwide, with articles on global emergency and disaster management events and activities, TIEMS news, etc.

Advertisement is possible on [these terms](#).

Contact TIEMS Secretariat at secretariat@tiems.info or fax: +32 2 286 80 39.

TIEMS Editors are:

1. Snjezana Knezic (Proceedings), Croatia, snjezana.knezic@gradst.hr
2. Kelly-Anne Frith (Regular Newsletter), RSA, kelzfrith@gmail.com
3. Alex Fullick (Special Edition Newsletter), Canada, alex@stone-road.com

Contributions are now open for the next newsletter.

Please, contact one of the editors or TIEMS Secretariat if you have news, an article of interest, an advertisement, or would like to list coming events of interest for the global emergency and disaster community.

