

**TIEMS**

The International Emergency Management Society



THE INTERNATIONAL EMERGENCY MANAGEMENT SOCIETY

Newsletter - ISSUE 35 - March 2019

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TIEMS TQC Certification Curriculum Focus



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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.

Joseph Pollack
TIEMS Newsletter Editor

DISCLAIMER: The opinions expressed herein are solely those of TIEMS and those responsible for the different articles and do not necessarily reflect the views of the Law and Justice. It remains for the National Courts and ultimately the European Court of Justice to interpret the Law. Under no circumstances will TIEMS be liable for any direct or indirect damages arising in connection with the use of this newsletter.

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Message from TIEMS President

Terrorist Attack in New Zealand

It is with sadness and shock I received the news about the terrible terrorist attack in Christchurch in New Zealand last week, with many dead and wounded. A tragedy has happened again and another peaceful nation has experienced a similar attack as the one that took place in Norway in 2011. A young man full of hatred against the muslim population has done a terrible crime and left a nation in sorrow and mourning. I like to express my sincere condolences to the New Zealand people, those hurt and the families of the victims.

We live in a very polarized world, where nationalists in many countries are “firing” up a polarized debate with extreme expressions against the muslim society. The terrorist in New Zealand seems to be influenced by this hateful debate, with the devastating consequences we see, this time in New Zealand.

What makes a Terrorist?

I have raised this question before, without being able to provide a complete and simple answer to this question. However, I believe that poverty and upbringing in a difficult environment and conflict area may be part of the answer to this question. This brings me to my other concern today, namely the children of mothers who moved to the IS califat and expressed sympathy and support for the IS organization. The children is born into this conflict, and we must do everything possible to avoid that they may grow up with hatred in their minds, because of lack of help from the nations they belong to.

It is therefore urgent that the nations they belong to, soonest help them out of the conflict zone, and take care for them and give them the help and support they need, whatever wrongdoings of their mothers. As a Norwegian citizen, from one of the richest countries in the world, a country that awards the peace prize every year, I will urge the Norwegian Government to take actions and

show the rest of the world how this can be done in a human and responsible way. We need to give these kids the good future they deserve, and avoid that they grow up in a hostile and conflict environment and may become potential future terrorists. It is time for action, and not hiding behind more or less doubtful and bureaucratic explanations, for avoiding taking the nation's responsibility for their citizens!

TIEMS Education

The technical focus in this newsletter is TIEMS Education Program and **TIEMS Certification of Qualification in International Emergency and Disaster Management**, the **TIEMS TQC Certification**.

TIEMS believes that Education, Training and International Certification in Emergency Management and Disaster Response is the Key to Improved Resilience Worldwide. TIEMS do this through a Comprehensive International Education, Training and Certification Program under TIEMS motto:

Preparedness Saves Lives!

The detailed program is guided by the following principles:

- *It is an international certification, which will be available on-line internet*
- *The curriculum will be made available through cooperation with universities, training institutions and industry worldwide*
- *It will comprise state-of-the-art in emergency and disaster management, organizations, technology, methods, systems, operations and tools*
- *The candidates will be tested in theory and hands on experience, by using modern on-line tools available in emergency and disaster management*
- *Requirements are that the candidate is either being Certified in Emergency Management/Disaster Response or similar by another Certifying Institution approved by TIEMS*

- Or Document a Practical or Theoretical Background in Emergency and Disaster Management for a minimum of 4 years
- Or Provide a Letter of Recommendation to TIEMS TQC Certification Board from a Current or Former Employer

The TQC Web Platform is planned being operational before the end of 2019, and we invite candidates to be the first ones to be certified and test the on-line system and being **TIEMS test candidates** for the TIEMS TQC Certification. We also invite Universities, training institutions and industry, offering programs, training and solutions in emergency management and disaster response, to be TIEMS education partners in TIEMS Education Programs.

The details of TIEMS Education Program and TQC Certification are described below.

News from TIEMS Chapter

Below is also bringing news from TIEMS chapters in Korea, Ukraine, and the plans for a TIEMS chapter in South Africa.

- Korea is TIEMS host for TIEMS 2019 Annual Conference, which is to take place in Seoul, 12 - 16 November 2019.
- Ukraine Chapter has a new Web-site operational: <https://www.tiemsukr.org/> and a report from last years activities in Ukraine is found below.
- TIEMS Regional Director for Africa is planning a TIEMS workshop in South Africa 18 - 19 September 2019, with the aim of establishing a TIEMS South Africa Chapter and TIEMS activities in the country

Australian Conferences in Emergency Management

TIEMS has keen focus on Australia this year to aim for a TIEMS Australia Chapter to be established and TIEMS activities in this region.

Below are announcements of two Australian conferences in emergency and disaster

management, where TIEMS President and TIEMS Regional Director for Australia are Keynote speakers.

TIEMS Regional Director for Australia, New Zealand and Oceania, Neil Dufty, will be a keynote speaker at the 2nd Emergency Management Leaders Forum in Melbourne 26 - 27 March 2019. His keynote topic will be:

Leading emergency management on a global stage: The International Emergency Management Society (TIEMS)

- Finding the next steps to resilience, responsiveness and preparedness in a connected, international world
- Proactive not reactive: global study of emergency management (World Bank)
- Why we need to professionalise and standardise EM globally: the need for international emergency management certification

TIEMS President, K. Harald Drager will be a keynote speaker at the 2019 Floodplain Management Australia Conference, in Canberra, 14 - 17 May 2019. His keynote topic will be:

"Emergency Management around the World - Challenges and Lessons Learned"

Have a Good reading!



Oslo 21st March 2019
K. Harald Drager
TIEMS President

EDITOR'S MESSAGE

This being the first newsletter of the year it's a good time to look forward and position ourselves for maximum success. Indeed many interesting events will be happening!

Let's start with the creation of national chapters. After a successful few years of promoting and developing new TIEMS communities like the TIEMS in the Philippines and the Ukraine, we're actively advocating for creating and maintaining communities in South America and West Europe. I can't spill everything out in the open just yet, but if you live in these regions and are motivated to partake in either organisation, seminars or some vegan mocktails after work let me know, and I will surely orient you towards the relevant parties.

But secret developments aren't the only exciting thing we're doing! Have you started planning for the annual conference this November in **Seoul, Korea**? Have you considered joining the TIEMS medical emergency community (TEMC) 2019 also in November in **Kunming, China**? Having had the chance to enjoy the hospitality of our Chinese arm, I can assure you, this is one of the most rewarding things you can do: you learn so much and have exclusive access to the most senior emergency and medical personnel from around the world.

Don't want to wait until November to learn something new and meet senior practitioners in our field?

Yes, we have something ready for you, get your passports ready because this 26-27th of March we've partnered with our Australian colleagues and will support the Second Emergency Management Leaders Forum in Melbourne!

What's more, use the code EFXTIEMS to get an additional 10% off the ticket prices. They've got the best speakers attending like Ken Pimlott whom managed the 2018 California wildfires and Marc Crossweller head of the Australian Homeoffice's national resilience task force. Also, TIEMS Regional Director for Australia, New Zealand and Oceania is a keynote speaker on the topic:

Leading emergency management on a global stage: The International Emergency Management Society (TIEMS)

- Finding the next steps to resilience, responsiveness and preparedness in a connected, international world
- Proactive not reactive: global study of emergency management (World Bank)
- Why we need to professionalise and standardise EM globally: the need for international emergency management certification

I might actually go there myself, and I hope to see you there! Read more for best-in-class research, the newest events and equipment and always, exclusive deals for our members.



Joseph Pollack

TIEMS Newsletter Editor

TIEMS EDUCATION



TIEMS believes that Education, Training and International Certification in Emergency Management and Disaster Response is the Key to Improved Resilience Worldwide and TIEMS is Initiating a Comprehensive International Education, Training and Certification Program in this field. TIEMS motto is:

Preparedness Saves Lives!

TIEMS Overall Education Goals

- Put International Focus on the Profession of Emergency Management and Disaster Response (EMDR)
- Contribute to an International Shared Understanding of Elements, Qualifications and Terminology in EMDR
- Contribute by Promoting the State-of-the-Art in Technology, Systems, Solutions and Methods in EMDR
- Contribute to Education in EMDR at all Levels, from Policy Documents to Courses in Primary School Education
- Establish an International Certification of EMDR, named TIEMS TQC Certification
- TQC = TIEMS "Qualifications in International Emergency and Disaster Management" Certification
- Develop a Curriculum for TIEMS TQC Certification, through Worldwide Cooperation
- Contribute to Capacity Building in Countries where little or no Education and Training in EMDR is Available

TIEMS EDUCATION, TRAINING & CERTIFICATION STRUCTURE

TIEMS International Certification will be ready for the first Candidates at the end of 2019. It is named Certification of Qualifications in International Emergency and Disaster Management (QIEDM), or TIEMS QIEDM Certification or just TQC. The full name of the TQC certification is:

TIEMS TQC International Certification - Operations and Good Practise



TIEMS TQC Certification Reference Standard & Best Practices

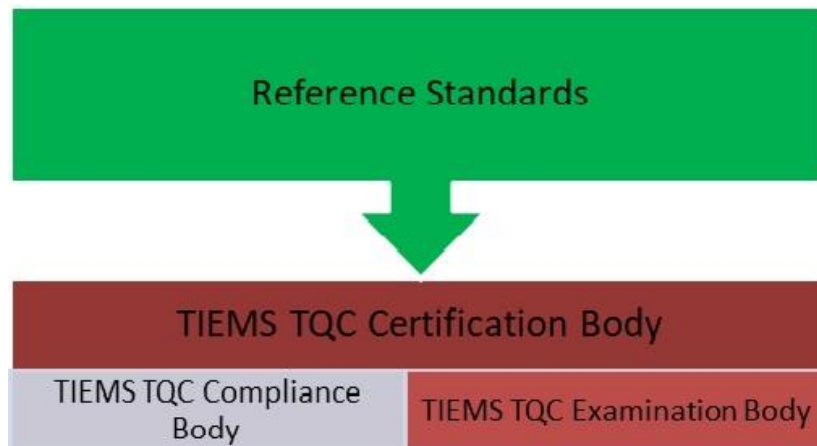
Any international recognized standard and best practice within Emergency and Risk Management, related to all phases of the Emergency Management and Risk Management Cycles, against which the TIEMS Certification Body do their Evaluation of the Applicant



TIEMS has completed the first step Survey of the existing National and International Standards, Best Practices, Guidelines, etc. about Emergency and Risk Management in the different Countries, where they exist

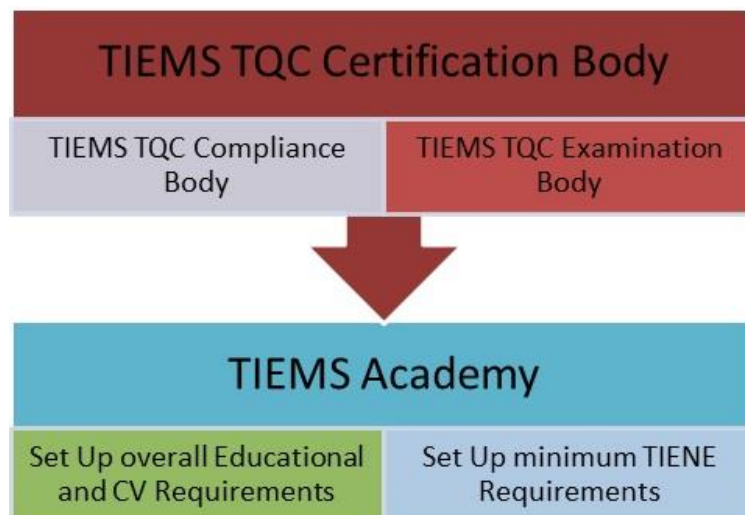
TIEMS Responsible Project Leader for the TQC Project is TIEMS International Program Committee Chair:
Sandro Bologna, Italy

To meet the TQC project goals, TIEMS has implemented the following activities:



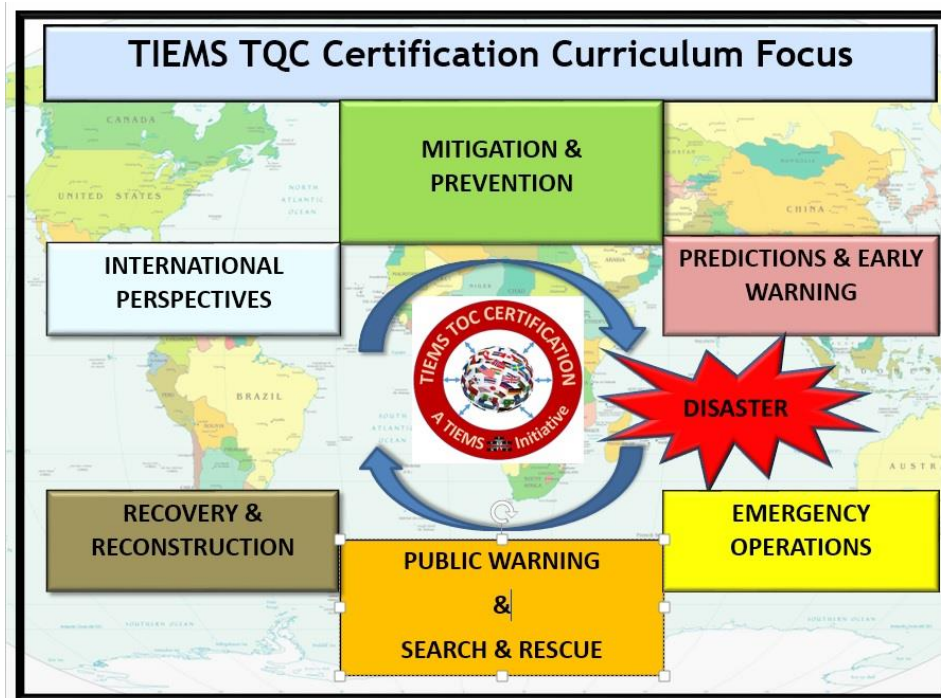
1. Survey of Best Practices and Standards Worldwide (*already in place*); Responsible: TIEMS International Program Committee Chair, **Sandro Bologna**, Italy
2. Establish a Legal Body for TIEMS TQC International Certification; Responsible: TIEMS President, **K. Harald Drager**, Norway
3. Establish a TIEMS TQC Certification Compliance Body; Responsible: TIEMS Regional Director for North America, **Thomas Robertson**, USA
4. Establish a TIEMS TQC Certification Examination Body; Responsible: TIEMS Regional Director for Australia, New Zealand and Oceania, **Neil Dufty**, Australia

These activities will be complemented by:



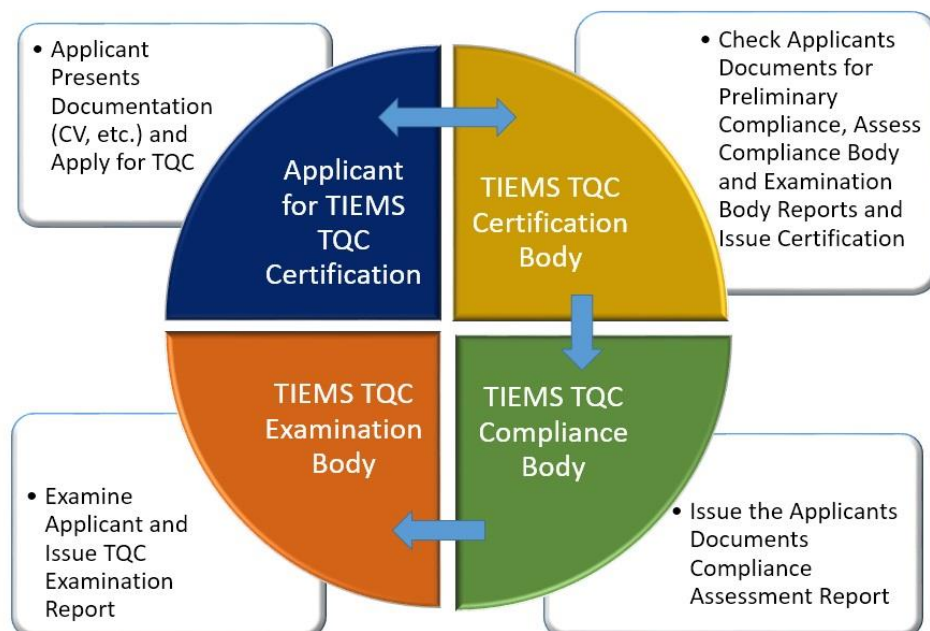
- Establish a TIEMS Academy, Responsible: TIEMS Director for Chapters, **Snjezana Knezic**, Croatia
- Establish a TIEMS International Education Network, through Cooperation with Universities and Training Institutions and Industry Worldwide, Responsible: TIEMS President, **K. Harald Drager**, Norway
- Develop a TIEMS TQC Certification WEB Platform, Responsible: TIEMS WEB developer

TIEMS TQC Certification Curriculum will be available through TIEMS Academy, with contributions from TIEMS International Education Network and relevant available EMDR knowledge worldwide:

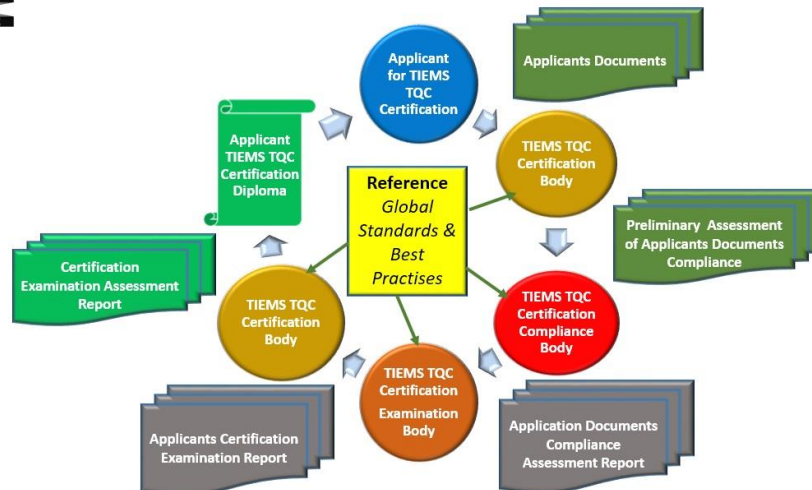


TIEMS TQC Certification will be available over TIEMS TQC WEB-Platform:

TIEMS TQC Certification Concept



TIEMS TQC Certification Document Flow



TIEMS TQC Certification Diploma to be Awarded after the Candidate's successful completion of TIEMS TQC Certification Exam:



If you have comments or questions concerning TIEMS TQC Certification Concept or its availability, please, use the DRR Communication Platform Forum, which can be accessed at:

http://www.pr4gdm.org:8080/community/forum_meteorological_list

Use the *TIEMS QJEDM Certification* Forum!

TIEMS TQC CERTIFICATION

TIEMS believes that education and training is the 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".

TQC Mission and Vision

MISSION:

- To promote the development of certification of internationally accepted good practices of global emergency and disaster management methodologies and good practices. Furthermore, to encourage collaboration in the spheres of scientific, critical thinking, humanitarian and economic activities relating to international emergency and disaster management, preparedness, risk reduction, response and recovery

VISION:

- The TIEMS TQC Certification is to be the leading international emergency and disaster management certification program
- The TIEMS TQC Certification shall promote an international agreement of standardization of emergency and disaster management operations and good practice

TIEMS TQC Certification

- The TQC Curriculum will be comprised of both theoretical and practical courses and hands on training
- Courses will be offered by TIEMS in cooperation with Universities and Training Institutions and Industry worldwide
- Candidates must receive a passing grade on the TQC Certification Exam to become TIEMS TQC Certified
- TIEMS Chapters will be responsible for adding local/national competences to the TQC Curriculum

Once a review is performed of all submitted documentation and a passing grade is achieved on the certification exam, the TIEMS TQC Certification Diploma will be awarded by TIEMS TQC Certification Body.

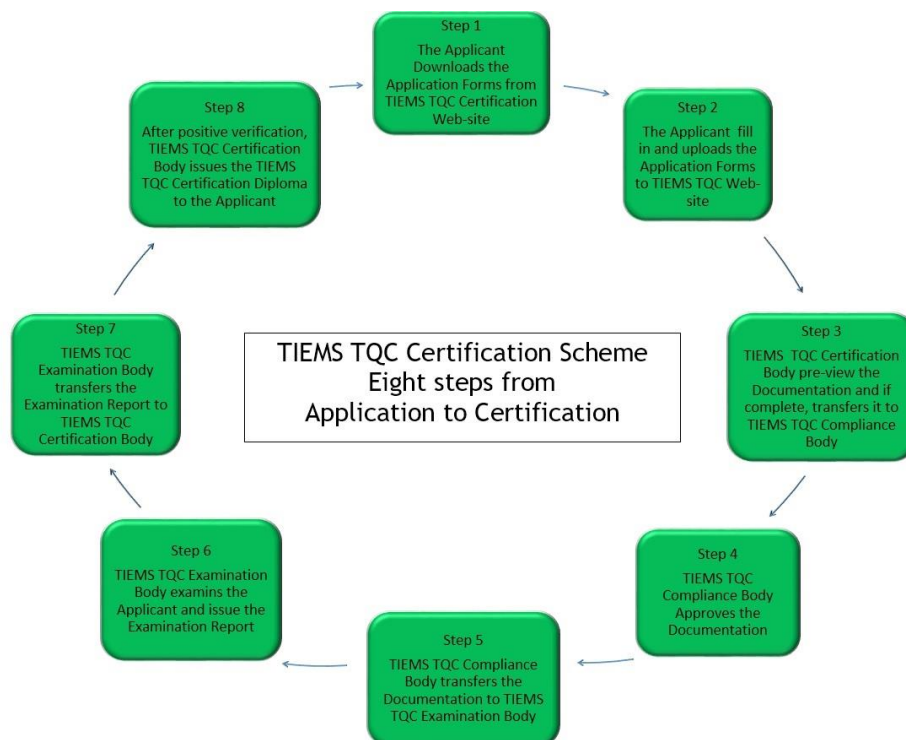
Recertification will be required every three (3) years.

TQC Applicants Requirements

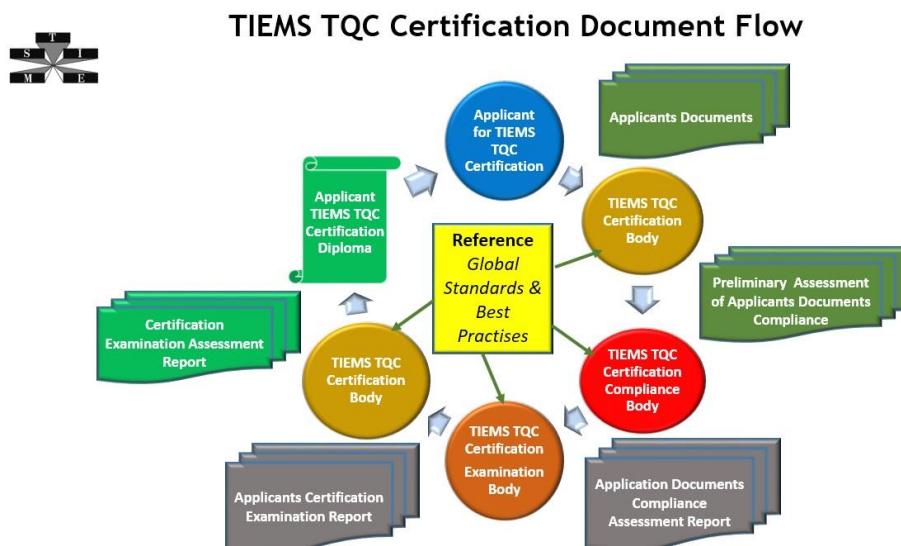
- *Being Certified in Emergency Management/Disaster Response or Similar by Another Certifying Institution Approved by TIEMS*
- *Document a Practical or Theoretical Background in Emergency and Disaster Management for a minimum of 4 years*
- *Provide a Letter of Recommendation to TIEMS TQC Certification Body from a Current or Former Employer*

TQC Certification Process

The below figure shows the TQC Certification process, from the candidate's application to the candidate is awarded the TQC Certification Diploma:



The document flow in the TIEMS TQC Certification Process is illustrated in the below figure:



The responsible chairs for the different TIEMS TQC Bodies are listed below:

- TIEMS TQC Certification Body; Chaired by TIEMS President, **K. Harald Drager**, Norway
- TIEMS TQC Compliance Body; Chaired by TIEMS Regional Director for North America, **Thomas Robertson**, USA

- TIEMS TQC Examination Body; Chaired by TIEMS Regional Director for Australia, New Zealand and Oceania, **Neil Dufty**, Australia

TIEMS TQC Certification Objectives

- Availability Globally
- Web-based On-Line
- Low Cost
- A Common Understanding of Emergency and Disaster Management
- The Common Language is English, but local language adaption in TIEMS Chapter Countries
- Lessons Learned Focus
- State-of-the-Art and Up-to-Date

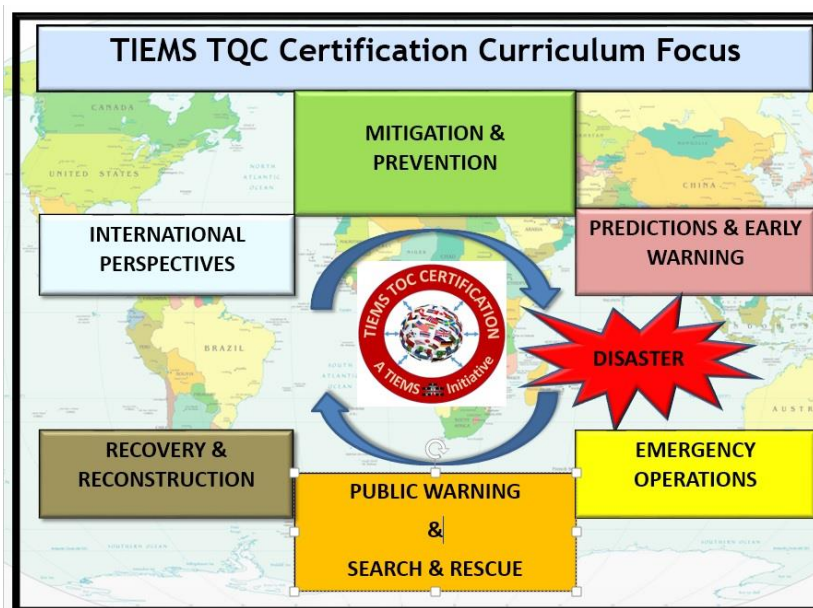
Background Information

TIEMS has concluded a survey, which asked the international emergency management and disaster response community experts to give their opinion on content and structure of TIEMS TQC Certification, and the report with the conclusions of this survey is find below.

TQC Survey Findings

TIEMS TQC CURRICULUM

TIEMS TQC Curriculum requirements will cover the different aspects of emergency and risk management recognized standards and best practise in an international perspective, related to all phases of the emergency and risk management cycles. The TIEMS TQC Curriculum requirements will be covered through courses offered within TIEMS International Education Networks; TIEMS International Education Network of Excellence (TIENE) and TIEMS International Recommended and Recognized Education Insitutions (TIRREI) and other institutions worldwide provideing relevant courses. TIEMS Academy will be the portal to TIEMS TQC Curriculum, made available on line through TIEMS TQC Web Platform.



The Preliminary TIEMS TQC Curriculum

International Perspectives

1. Relevant International Organizations, their Missions, Agreements and Procedures
2. Sendai Framework for Disaster Risk Reduction
3. International Agreement Framework for Emergency Assistance
4. Worldwide Civil Protection Organizations and Operations
5. Legal and Ethical Issues in Emergency and Disaster Management
6. International Terrorism
7. International Epidemic and Pandemic Crisis
8. Public Private Partnership Oriented Emergency and Disaster Management

Mitigation & Prevention

1. Risk Management Theory and Practise
2. Disaster Types, their Characteristics and Statistics
3. Critical Infrastructure Protection
4. Business Continuity Management
5. Emergency Community Based Response (CERT)

Predictions & Early Warning

1. Climate Change and Impact on Disasters
2. Cyber Attacks and their Potential Consequences
3. Disaster Early Warning Systems and Operations
4. Simulations and Exercises

Emergency Operations

1. Emergency and Disaster Management Tools and Techniques
2. Application of Earth Observation/Space Technology
3. Application of Web-based Assistance Technology and Systems
4. Emergency Critical Communication Systems
5. Mass Casualty Management
6. Command, Control and Coordination of Incidents
7. Emergency Medicine Perspectives
8. Incident Evaluation, Briefing, Debriefing and Review Techniques

Public Warning & Search & Rescue

1. Public Warning Systems and Operations
2. Social Media in Emergency and Disaster Management
3. International Search and Rescue Methodologies and Operations

Recovery & Reconstruction

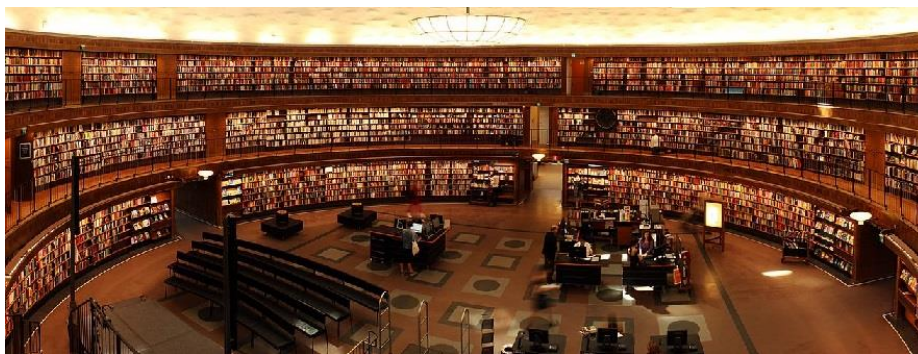
1. Recovery and Reconstruction Planning
2. Temporary Housing and Medical Care of Victims
3. Claims and Grants Processing

Availability of educational course material

Links to the TIEMS TQC Curriculum course materials will be made available for the TIEMS TQC Certification candidates through TIEMS Academy.

TIEMS ACADEMY

TIEMS Academy contains TIEMS Educational Material, either in form of Programs and Proceedings from TIEMS International Conferences and Workshops (TIEMS Library) and TIEMS TQC Curriculum, with Educational Material Developed within TIEMS and with links to Education Material from TIEMS International Education Networks and Education Cooperation Partners providing courses in TIEMS TQC Curriculum.



The goals of the TIEMS Academy are

- Educating the Public
- Educating Children
- Educating Officials
- Improving Preparedness
- Offering Courses and Training
- Helping Certify Expertise

The TIEMS Academy plans to

- Help students find and connect with useful live and online education resources
- Make increasing amounts of emergency management knowledge available online, especially to vulnerable societies
- Provide a platform to share critical lessons learned from disasters and emergencies
- Be an eLearning and Certification platform that will foster, across the international community, a shared, common understanding of emergency management elements, systems, standards, and terminology
- Establish a directory of education resources, described within a common framework, including live and online degree programs, courses, workshops, and knowledge bases
- Be an online portal that will make emergency management educational resources, from established educational institutions and initiatives, broadly available to students worldwide.

The TIEMS Academy Structure

- TIEMS Library with Programs and Proceedings from TIEMS Conferences and Workshops: [Click Here](#)
- TIEMS TQC Curriculum Courses available from TIEMS

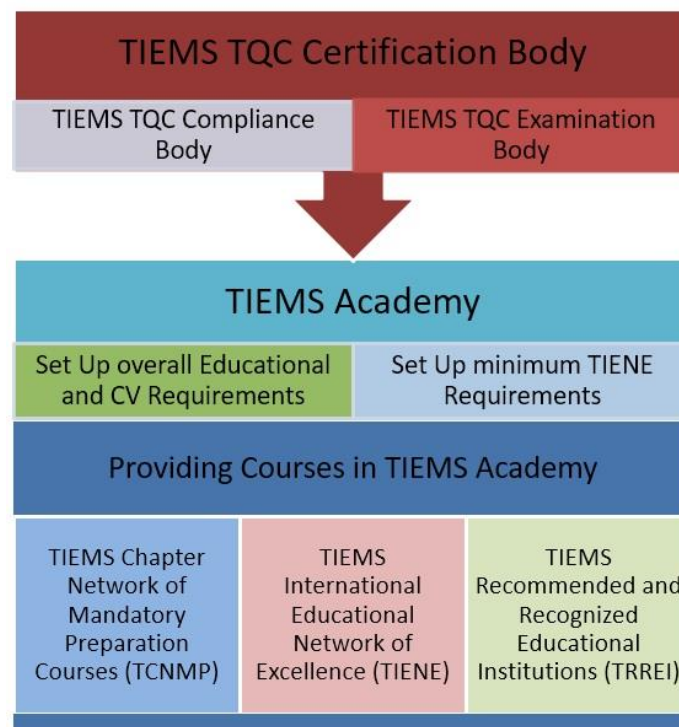
- TIEMS TQC Curriculum Courses available from TIEMS International Educational Network of Excellence (TIENE)
- TIEMS TQC Curriculum Courses available from TIEMS International Recommended and Recognized Education Institutions (TIRREI)
- TIEMS TQC Curriculum Courses available from other Sources

TIEMS EDUCATION NETWORK

Two of TIEMS overall education goals are; "Develop a Curriculum for TIEMS TQC Certification, through Worldwide Cooperation" and "Contribute to Capacity Building in Countries where little or no Education and Training in Emergency Management and Disaster Response (EMDR) is Available". These goals are guiding TIEMS in establishing TIEMS International Education Network. TIEMS recognizes many excellent educational (B.Sc. and M.Sc.) programs and training centers worldwide offering education and training in EMDR, and TIEMS is seeking cooperation with the best ones for fulfilling above goals, and establishing TIEMS International Education Network. Through this network, and TIEMS own courses, TIEMS intends to offer the courses and training necessary for preparing the TIEMS TQC Certification candidates for their education and examination to become TIEMS TQC Certified.

TIEMS International Education Network

TIEMS TQC Certification Players



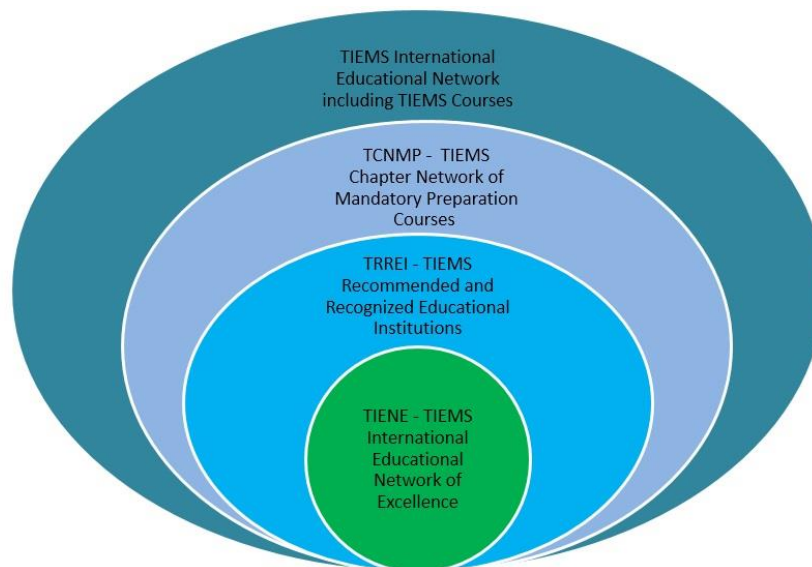
The Players and their roles in TQC Certification

As shown in above figure, TIEMS Education network comprises the following institutions worldwide offering courses and training in Emergency Management and Disaster Response (EMDR):

- TIEMS Chapter Network of Mandatory Preparation Courses (TCNMP) for TQC Certification
- TIEMS International Education Network of Excellence (TIENE) - Educational Institutions worldwide, which are TQC Certified by TIEMS, and which are offering the full range of the courses recommended in TIEMS TQC Curriculum
- Education Institutions worldwide offering M.Sc. or B.Sc. programs in EMDR, which are TIEMS Recommended and Recognized Educational Institutions (TRREI), and which are offering part of the recommended education courses in TIEMS TQC Certification Curriculum.

TIEMS is recommending all courses to be offered on-line, but will also accept courses to be taught in classrooms.

How to build a TIEMS TQC Curricula



TIEMS TQC Certification Curricula can be developed by selecting different Education and Training Courses in Emergency Management and Disaster Response (EMDR) to satisfy Curricula Minimum Requirements as defined by TIEMS Academy

The Candidates for TIEMS TQC Certification can build a TQC Curricula the following ways as indicated in above figure:

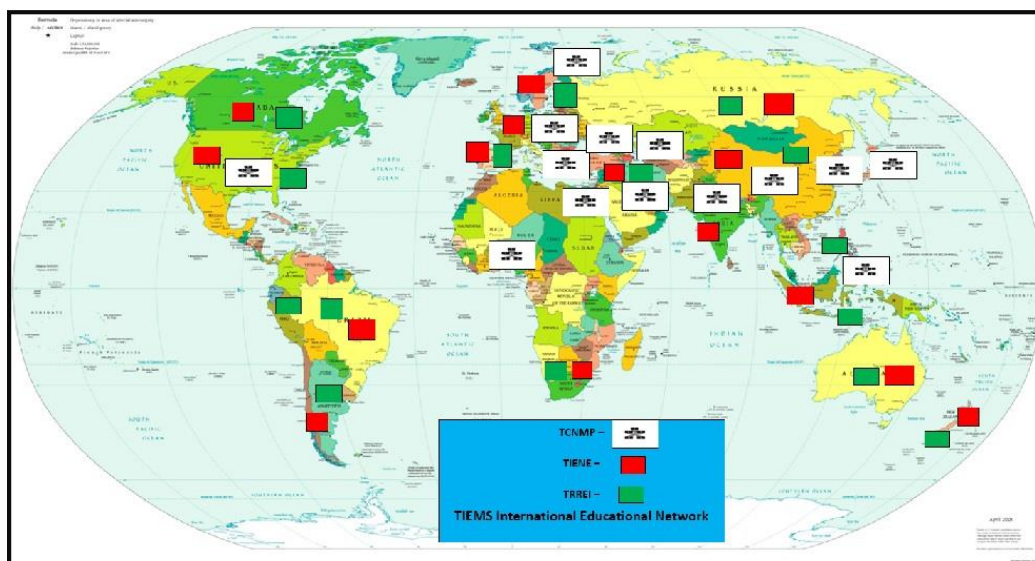
- The courses and integrated programs offered by “One Education Institution” belonging to TIENE.
- Different courses and integrated programs offered by “Different Education Institutions” belonging to TIENE.
- Different courses and integrated programs offered by “Different Education Institutions” belonging to TRREI
- Candidates, with extensive experience in EMDR or who already have other certifications covering EMDR, may apply to be TIEMS TQC Certified, without attending any TIEMS TQC Certification Curricula courses.

However, TIEMS Mandatory Preparation Courses need to be added to above Curricula building, and will be offered by an institution in TCNMP.

Through its courses and integrated programs, TIENE and TRREI serves together with TIEMS as the international focal point for the development and delivery of emergency management training to enhance the capabilities of State, Local, and Government Officials; Volunteer Organizations; and the public and private sectors to minimize the impact of disasters and emergencies on the public. TIENE and TRREI serves together with TIEMS the international emergency management community, offering courses

to help build critical skills that emergency managers need to function effectively in mass consequence events.

Below figures illustrate TIEMS International Education Network and how to build a TIEMS TQC Certification Curricula:



The figure is only an illustration of how TIEMS likes to build out TIEMS international educational network. TIEMS Chapters are established chapters.

Institutions	TIEMS USA	TRREI India Inst.4	TIENE India Inst.1	TIENE USA Inst.3	TRREI Turkey Inst.5	TIENE Italy Inst.8	TIEMS China	TIENE Philippines Inst.9	TRREI Australia Inst.10
Curricula									
TIEMS Mandatory									
B.									
C.									
D.									
E.									
F.									
G.									
H.									

The figure is only illustrating how TIEMS assumes a TIEMS TQC Certification Curricula can be built by a TQC certification candidate

Interest to be a partner in TIEMS International Educational Network?

Please, contact TIEMS International Program Committee Chair, [Sandro Bologna](#), or TIEMS President, [K. Harald Drager](#).

TIEMS EDUCATION PARTNERS

TIEMS TQC Certification Curriculum will be developed together with TIEMS Education Partners worldwide, comprising universities and training institutions and other institutions and companies, which can add value to TIEMS TQC Certification Curriculum. A Memorandum of Understanding (MOU) will guide the cooperation between TIEMS and these Education Partners, and below is a presentation of present TIEMS Education Partners. New Partners with interest in TIEMS TQC Certification development are welcome.

Federal University of Technology, Minna, Nigeria



<https://futminna.edu.ng/>

The Federal University of Technology, Minna, is a Federal Government owned University in Nigeria. It was established on 1st February, 1983. The objective for its establishment is to give effect to the Nation's drive for the much-needed self-reliance in Science, Engineering and especially Technology. It is a specialized University of Technology.

The Federal University of Technology, Minna, has witnessed tremendous growth and development especially in the last one and a half decades. Today, we have grown to a healthy staff and student population of about 24,000; we have a very beautiful Campus to be proud of, virtually all our academic programmes have full accreditation and the University is ranked the best among specialized Universities, 5th in Nigeria and forty-fifth out of 4,245 universities in Africa.



Minna, Nigeria, Library Building

The Federal University of Technology,

Contact person for TIEMS Cooperation with Minna University: Gbenga Morenikeji

Illinois Institute of Technology, USA

Illinois Institute of Technology

<https://web.iit.edu/>

In 1890, when advanced education was often reserved for society's elite, Chicago minister Frank Wakely Gunsaulus delivered what came to be known as the "Million Dollar Sermon." From the pulpit of his South Side church, near the site Illinois Institute of Technology now occupies, Gunsaulus said that with a million dollars he could build a school where students of all backgrounds could prepare for meaningful roles in a changing industrial society.

Inspired by Gunsaulus' vision, Philip Danforth Armour, Sr. (1832-1901) gave \$1 million to found the Armour Institute—and Armour, his wife, Malvina Belle Ogden Armour (1842-1927) and their son J. (Jonathan) Ogden Armour (1863-1927) continued to support the university in its early years. When Armour Institute opened in 1893, it offered professional courses in engineering, chemistry, architecture and library science.

Illinois Tech was created in 1940 by the merger of Armour Institute and Lewis Institute. Located on the west side of Chicago, Lewis Institute, established in 1895 by the estate of hardware merchant and investor Allen C. Lewis, offered liberal arts as well as science and engineering courses for both men and women. At separate meetings held by their respective boards on Oct. 26, 1939, the trustees of Armour and Lewis voted to merge the two colleges. A Cook County circuit court decision on April 23, 1940 solidified the merger.

Illinois Institute of Technology is a private, technology-focused research university offering undergraduate and graduate degrees in engineering, science, architecture, business, design, human sciences, applied technology, and law.

One of 21 institutions that comprise the Association of Independent Technological Universities (AITU), Illinois Tech offers exceptional preparation for professions that require technological sophistication, an innovative mindset, and an entrepreneurial spirit.

Contact person for TIEMS Cooperation with Illinois Institute of Technology: Professor Shih-Yew Chen.

Dongguk University, Korea (Hosting TIEMS Korea Chapter)



<https://web.dongguk.ac.kr/english/main/main.jsp>

Dongguk University at Gyeongju with the prestigious Dongguk University in Seoul provides an innovative and world-class education at local community. Harmonized with Gyeongju which had a millennium history, Korea's long tradition, and one of the UNESCO World Heritage Sites, Dongguk University at Gyeongju was founded by the Korean Buddhist Jogye Religious Order in 1978 and is now committed to fostering an excellent leader and professional research.

Dongguk encourages students and faculties to pursue the quality of education by bringing together dramatically diverse life experiences and cultures. For globalization and information & technology toward 21st, students and professors from around the world contribute to the latest theories and practical training in every area of university study. And thus Dongguk serves a variety of health cares and medical services at the affiliated hospital of an oriental medicine and a medical college to the local community. The educational mission of Dongguk is development of the self, a maturing process enhanced by exposure to people of diverse backgrounds, opinions, and value systems. For thousands of new students each year, Dongguk will continue to go a great step on a lifelong journey of self-discovery, service to others, and spiritual enlightenment. The educational mission of Dongguk is development of the self, a maturing process enhanced by exposure to people of diverse backgrounds, opinions, and value systems. For thousands of new students each year, Dongguk will continue to go a great step on a lifelong journey of self-discovery, service to others, and spiritual enlightenment.

Dongguk University has developed the DRR Communication Platform and provided a discussion Forum on this platform for asking questions and discuss the TIEMS TQC Certification Concept. It can be found at: Forum: **TIEMS QIEDM Certification**, which can be accessed at:

http://www.pr4gdm.org:8080/community/forum_meteorological_list

Contact person for TIEMS Cooperation with Dongguk University: Professor Young-Jai Lee

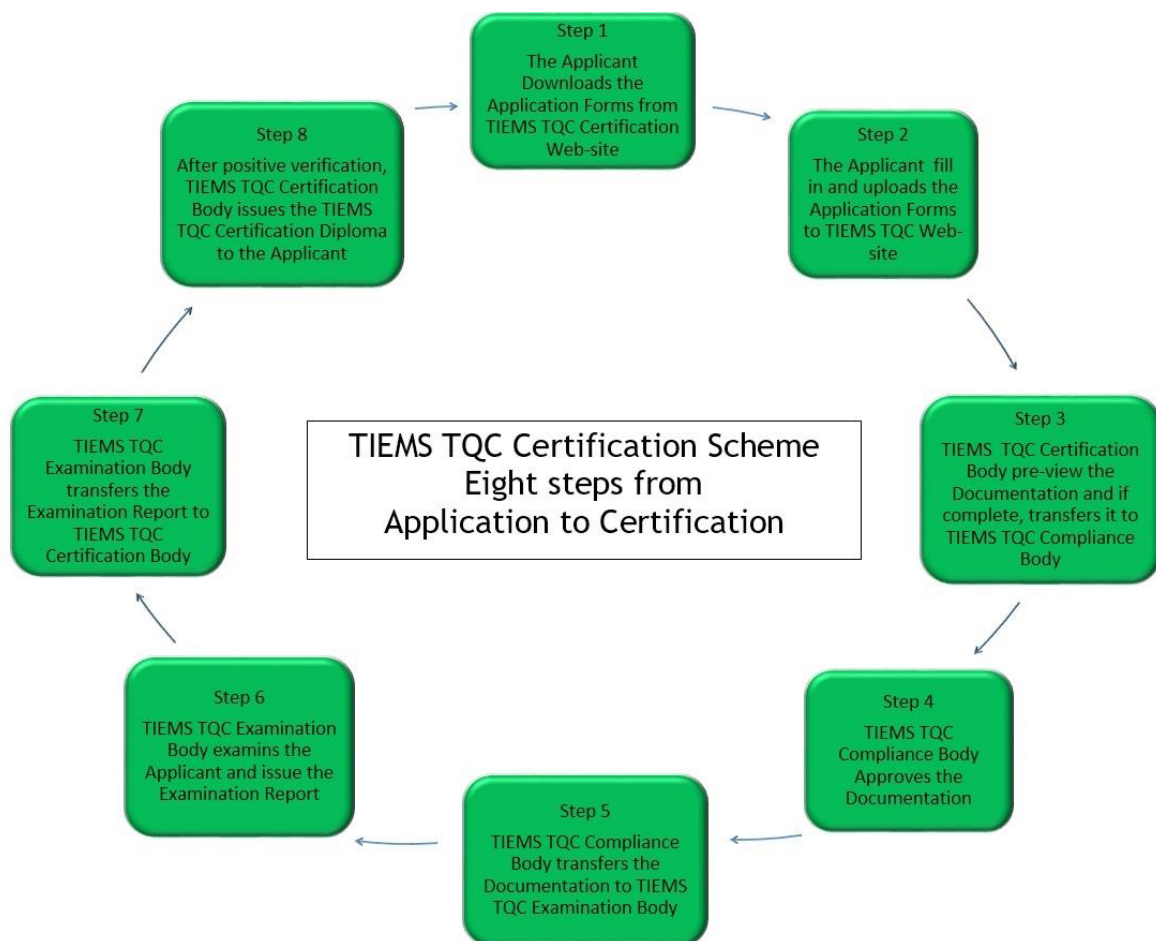
TIEMS Invites more Universities and Training Institutions and Others to become TIEMS Global Education Partners

Please, contact TIEMS President, [K. Harald Drager](#) or TIEMS International Program Chair, [Sandro Bologna](#).

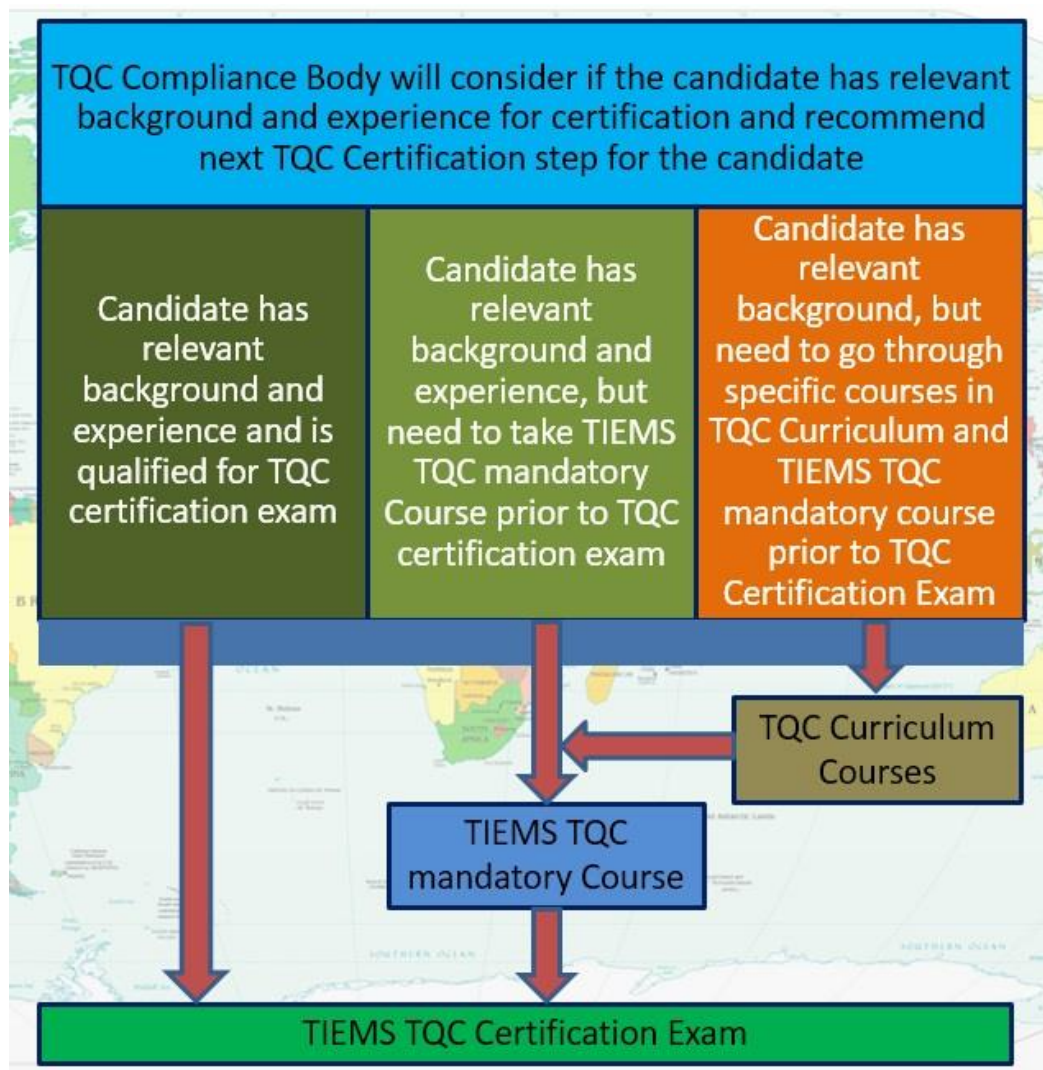
TIEMS TQC EXAM

TIEMS TQC Certification Exam is a test if the Candidate possess the necessary competence in Emergency Management and Disaster Response, and accordingly be awarded TIEMS TQC Certification Diploma, as a documentation that the candidate has passed TIEMS TQC Certification Exam.

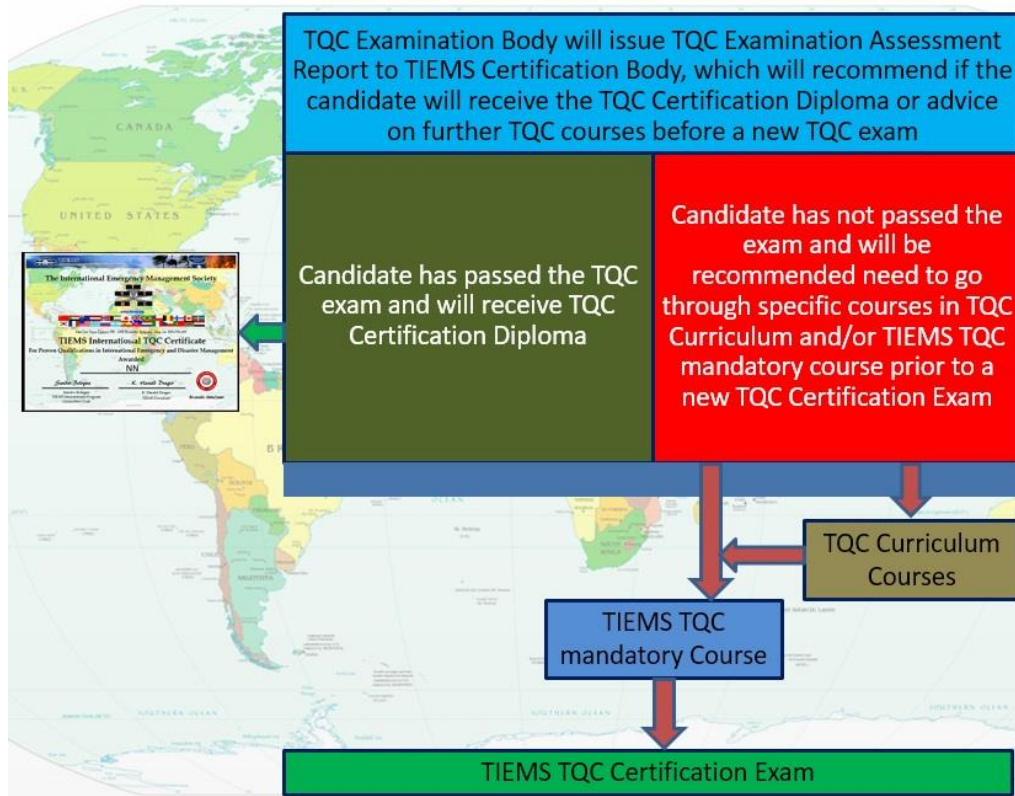
The way for the Candidate from Application through TIEMS TQC Examintion, to being awarded TIEMS TQC Certification Diploma, is illustrated by the figure below:



TIEMS TQC Compliance Body Evaluation outcome and consequences is illustrated in the figure below:



TIEMS TQC Examination Body Assessment Report outcome and consequences is illustrated in the figure below:



TIEMS TQC Certification Examination Rules

WHAT IS A TIEMS TQC CERTIFICATION EXAMINATION?

TIEMS TQC Certification Examination is a **proctored exam**, which the applicant can have either on site with a member of TIEMS TQC Examination Board or on-line internet. In the case of an on-line internet examination, proctoring software has to be monitoring the computer.

ADMISSIBILITY TO EXAMINATION

An applicant is admissible to the examination only, when all of the preliminary and graduate educational requirements of TIEMS TQC Certification Board, currently in force at the time of receipt of the formal application, have been satisfactorily fulfilled, and accepted by the TIEMS TQC Certification Board.

EXAMINATION SITES

The TIEMS TQC Certification Examination can be either on site or on line, computer-based via TIEMS TQC Web Platform.

NATURE OF EXAMINATION

Examination is consisting of, essay questions and multiple-choice questions. The applicant will need to score sufficiently on the examination in order to pass the exam. The TIEMS TQC Examination Board will set the criteria for a sufficient score.

LIMITED RESPONSIBILITY OF TIEMS TQC EXAMINATION BOARD

Members of the TIEMS TQC Examination Board are not to comment on the eligibility of applicants. The Examination Board decides only on the examination, pass or failure.

RELEASE OF RESULTS

The applicants will receive the results of their examinations (pass/fail) from the TIEMS TQC Certification Board.

RESPONSIBILITIES

All examination activities are under the responsibility of the Chair of the TIEMS TQC Examination Board.

TAKING THE EXAM

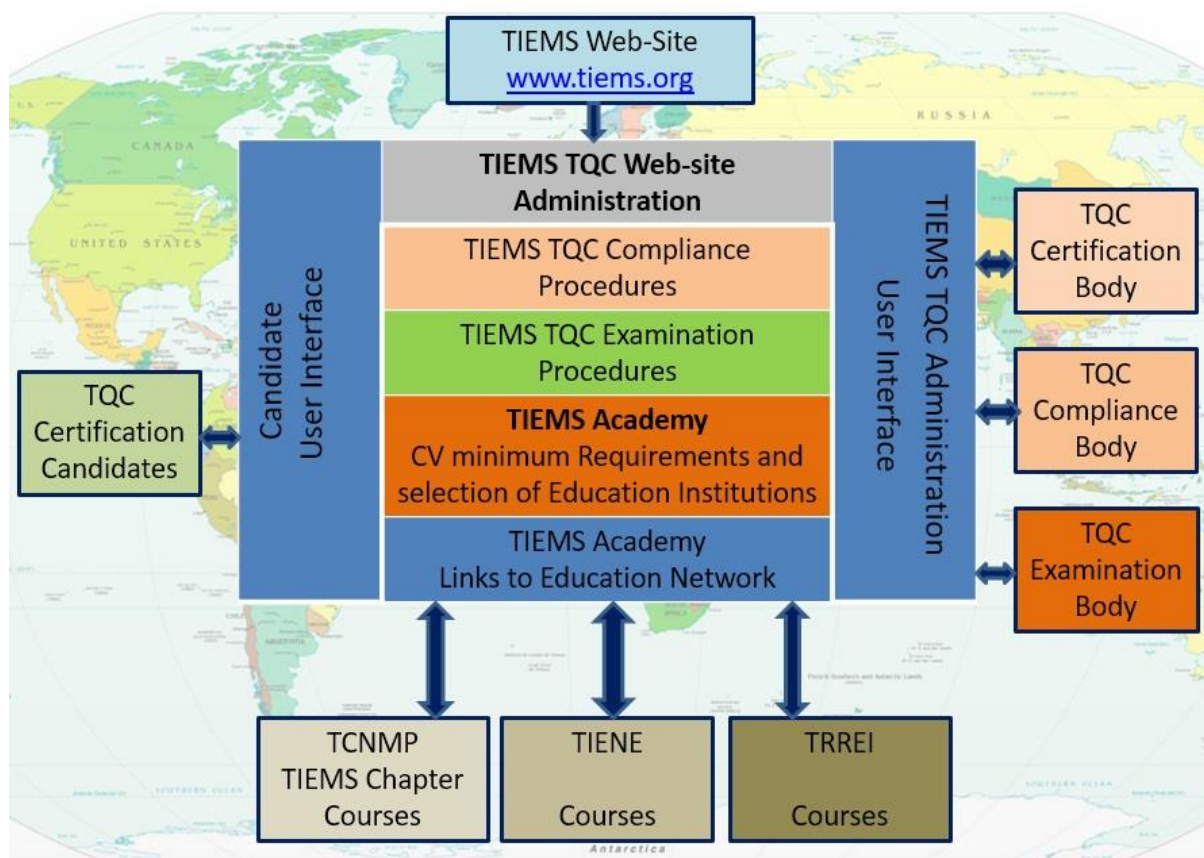
The Applicant must present a valid form of identification before she/he can take the exam. Failure to provide appropriate identification at the time of the examination is a missed appointment.

FEES, REFUNDS AND POLICIES

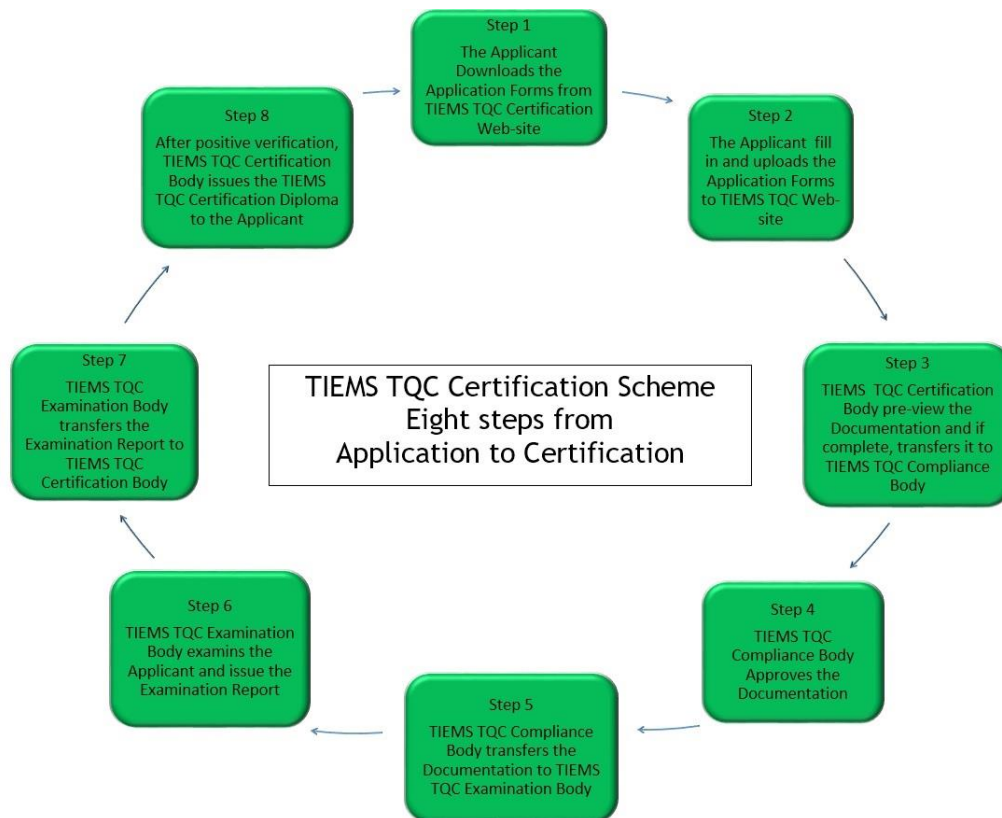
TIEMS TQC Certification Fee and TIEMS TQC Examination Fee need to be paid before the applicant can be performing the exam.

TIEMS TQC WEB PLATFORM

The TIEMS TQC Certification will be available over TIEMS TQC Web Platform, and both the Candidates Application and access to TIEMS TQC Curriculum and Examination, will be done on-line over the TQC Web platform. The figure below illustrates the capability and functions of TIEMS TQC Web Platform.

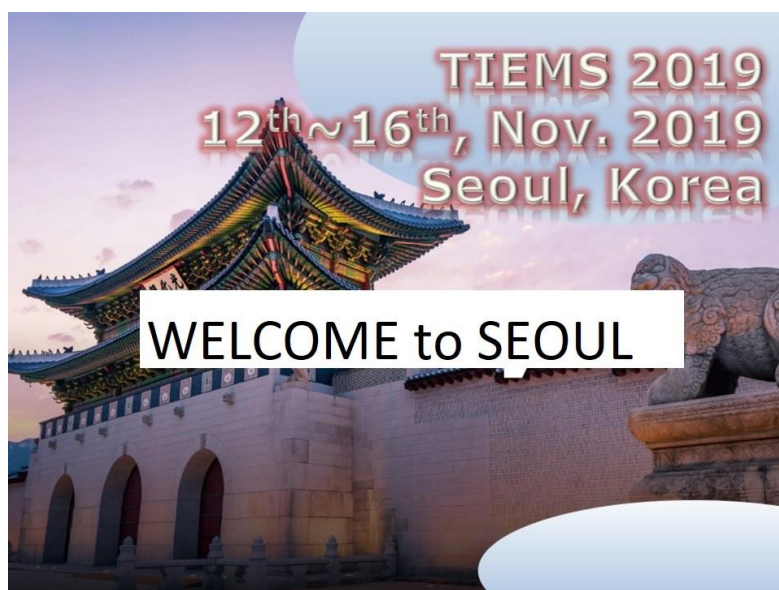


The way for the Candidate from Application through TIEMS TQC Examintion, to being awarded TIEMS TQC Certification Diploma, is illustrated by the figure below:



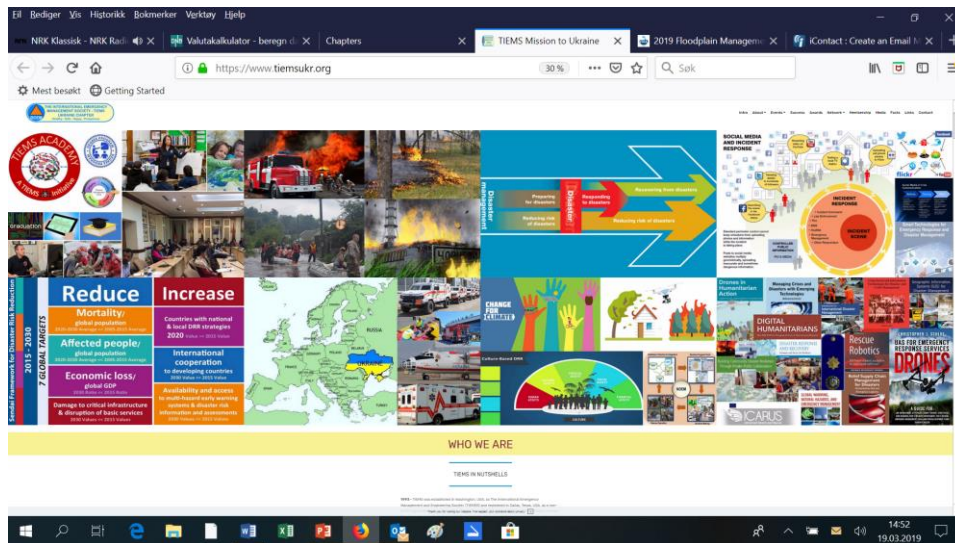
NEWS FROM TIEMS CHAPTERS

TIEMS Korea Chapter



The TIEMS 2019 Annual Conference will take place in Seoul, Korea, 12 - 16 November 2019.

TIEMS Ukraine Chapter



TIEMS Ukraine Chapter New Web-site at: <https://www.tiemsukr.org/>

TIEMS Mission to Ukraine report for year 2018

TIEMS Mission to Ukraine (= TIEMS Ukraine Chapter) has continued to explore the Ukrainian emergency management filed in 2018. Due to the complicated political playground and a changing reform's situation, we revised our existing cooperation with domestic stakeholders and identified new ones. There are two major universities: The National University of Civil Protection in Kharkov (eastern Ukraine close to the Ukrainian-Russian border) and to the Lviv State University of Life Safety (western Ukraine close to the Ukrainian-Polish border). The year 2018 was challenging for the educational institutions in civil protection in Ukraine because of the election of the rectors. The 63-yrs. old rector of the National University of Civil Protection of Ukraine in Kharkov (NUCPU) Lt.Gen. (civil protection) Prof. D.Sc. Volodymyr P. Sadkovi was re-elected for the next 5-years term. He has held this position since 2005 being also the vice-rector in 2003-2005. Although there is the decentralization process going on and we had signed much earlier the Memorandum of Understanding, the progress of the cooperation has been very slow. It has turned out that the top management of the NUCPU does not still make any move without the direct written order from the Ministry of the Interior Affairs of Ukraine. This process is heavily bureaucratic. There was the plan to deliver the requested up-to-date training equipment for firefighting and rescue. Unfortunately, this project was impossible to complete because of the corruption scheme which we were offered to follow. That offer was declined and we had put the project on hold.

At the same time, the reform spirit bowled over the Lviv State University of Life Safety (LSULS) and the leadership there changed! The new progressive open-minded rector was elected Prof. PhD Myroslav S. Koval, who represents the younger generation. We paid a couple of trips to this university. It is located in the nice old city of Lviv. After the successful negotiations the Memorandum of Understanding was signed between the TIEMS Mission to Ukraine/TIEMS and the Lviv State University of Life Safety. Following the MOU, the cooperation there was more successful. We participated in two internal research works together with the LSULS. One report was delivered as the oral presentation at the conference "Emerging Imaging and Sensing Technologies for Security and Defence III; and Unmanned Sensors, Systems, and Countermeasures" as a part of the SPIE Defense and Commercial Sensing Europe Symposium in Berlin, Germany, 10-13 September 2018 (SPIE Proceedings Vol. 10799). Its title is "Flood risk assessment of Chervonograd mining-industrial district" (available online : <https://sci.ljubgd.edu.ua/bitstream/handle/123456789/5549/Proceedings%20of%20SPIE.pdf?sequence=1&isAllowed=y>).

The second joint research paper was presented at the Third International Scientific and Practical Conference "Ecological Safety as the Basis of Sustainable Development. European Experience and Perspectives", which was held on 14 September 2018 in Lviv in Ukraine. The TIEMS Mission to Ukraine was one of the supporters of the conference in Lviv. Its title is "Finite-Element Modelling of the State of Bridge Stress and Deformations Under the Drucker-Prager Simulation in Case of Natural Disasters as Preventive Measure for Critical Infrastructure Protection".

TIEMS Mission to Ukraine was selected for conducting the study "The State of Civil Protection in the world: Typologies, good practices and economic returns - An analysis of the Institutional Diversity of Civil Protection Systems and Practices", which covered 16 countries and was led by the World Bank's Global Facility for Disaster Reduction and Recovery (GFDRR) (2018-2019). The final report will be published by the World Bank in the coming months. TIEMS Mission to Ukraine was responsible for delivering the report about the state-of-the-art of civil protection in Ukraine. Head of Mission, Professor of Practice Andre Samberg was in charge. This study was carried out in cooperation with the State Emergency Service of Ukraine and the Lviv State University of Life Safety (Department of Fire Tactics and Rescue Operations). Our sincere, deep gratitude and credits go to Deputy Head of the SESU Lt.Gen. (civil protection) Ruslan Biloshytskyi, colonel (civil protection) Professor Vasil I. Lusch, major (civil protection) Professor Vasil B. Loik, captain (civil protection) Ass. Professor Dmytro S. Kobylkin, Navy Captain (ret.) Prof. Dr. Mikhail Divizynyuk (Head of Department of Civil Protection and Innovation of the State Institution "Institute of Environmental Geochemistry") and Dr.Eng. Natalia Borodina (Ministry of Infrastructure of Ukraine) for their inspired guidance, valuable suggestions, thoughtful approaches, practical tips, and valuable insights to engage our minds.

Furthermore, members of the TIEMS Ukraine Chapter, D.Sc. Yevhenii Yakovliev and D.Sc. Sergiy Chumachenko, were invited to conduct the field studies and the following assessments: "[Assessment of Ecological Hazards in Donbas Impacted by the Armed Conflict in Eastern Ukraine](#)" (funded by The Centre for Humanitarian Dialogue, Switzerland, 2017-2018) and "[Assessment of Environmental Damage in Eastern Ukraine and Recovery Priorities](#)" (funded by OSCE, 2017-2018). Both reports are public and available on the Internet.

In 2017-2018, TIEMS Mission to Ukraine run several consultations with the representatives of the State Institution "Pukhov Institute for Modelling in Energy Engineering" of the National Academy of Sciences of Ukraine (e.g. Director-General, the corresponding member of the NASU, Prof. Dr. Volodymyr V. Mokhor and the assistant director (foreign affairs) Igor Kotsyuba) regarding the possibilities to participate in the EU Horizon 2020 framework programme. As the result of the provided guidelines, the aforementioned entity gained the access to the European R&D community and market. Thanks to the Ukraine-European Union Association Agreement, it was selected as a full partner for the H2020 [SPEAR \(Secure and Private smArt gRid\)](#) project. Topic DS-07-2017 is Cybersecurity PPP: Addressing Advanced Cyber Security Threats and Threat Actors.

Head of Mission, Professor of Practice Andre Samberg is a member of the working group of the Inter-Agency Advisory and Expert Group for Developing National Strategy for Countering Weapons of Mass Destruction, Counter-Terrorism, and Critical Infrastructure Protection of The National Institute for Strategic Studies under the President of Ukraine. In general, we were very active in 2018 and participated in a number of both national and international networking events. International conference on Assessment of Current Risks in Energy Sector in Ukraine. (by invitation only) The National Institute for Strategic Studies under the President of Ukraine, Kyiv, Ukraine, 18 December 2018.

TIEMS South Africa Chapter

TIEMS Regional Director for Africa, Roma Tandlich, is planning a TIEMS Workshop in South Africa 18 - 19 September this year. The aim is to initiate a TIEMS South Africa Chapter and establish TIEMS activities in South Africa. For further information, please, contact Roman Tandlich.

2nd Emergency Management Leaders Forum



As an emergency management professional, we don't need to tell you that your people are facing the dilemma of trying to understand a new type of preparedness, responsiveness and resilience.

Australia and the rest of the world are moving towards a new model, an extreme future - for both natural and unnatural disasters and emergency management.

We invite you to the [2nd Emergency Management Leaders Forum](#) in Melbourne on 26-27 March 2019, where you will be brought together with some of the best thought leaders, and experienced emergency management personnel that the industry has to offer so that we can share knowledge and prepare for this future.

Members of The International Emergency Management Society receive an additional 10% off current rates

[View the event website](#)

Key speakers

Do you want to hear from the Director of the team who managed the California Fires direct from the USA?



Ken Pimlott
Director
State of California Department of Forestry and Fire Protection, CAL FIRE

What about the CSIRO's view on how climate change is affecting emergency management?



Dr Kathy McInnes
Senior Researcher
CSIRO

How about Mark Crossweller as he builds his National Resilience Taskforce at the Department of Home Affairs?



Mark Crossweller
First Assistant Secretary, Head of the National Resilience Taskforce
Department of Home Affairs, Australian Federal Government

And many more expert speakers!



Our own Neil Dufty, TIEMS Regional Director for Australia, New Zealand and Oceania will speak about:

Leading emergency management on a global stage: The International Emergency Management Society (TIEMS)

- Finding the next steps to resilience, responsiveness and preparedness in a connected, international world
- Proactive not reactive: global study of emergency management (World Bank)
- Why we need to professionalise and standardise EM globally: the need for international emergency management certification

Members of The International Emergency Management Society receive an additional 10% off current rates.

Reference VIP code EFXTIEMS to receive this discount.

[Register here](#)



2019 Floodplain Management Australia Conference



<https://floodplainconference.com/program/>

TIEMS President will be a keynote speaker at the conference on the topic:

Emergency Management around the World - Challenges and Lessons Learned.

The International Emergency Management Society (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@tiens.info

The Conference

The FMA Conference has been held annually for over 50 years and is the most respected flood risk management event held in Australia.

The theme of the conference is “**A National Call to Action: Making Australia Flood Safe**“, which will focus on bringing together various partners and sharing of great research and ideas to set a clear and compelling vision, mission and priorities for the flood community of Australia.

The conference is for anyone interested in making our communities more flood safe. It will bring together over 350 flood practitioners and community members with interests in floodplain risk management. Attendees will include Commonwealth, State and Local Government representatives, research organisations and education providers as well as consultants, engineers, land-use planners, emergency responders and community volunteer organisations. The conference will include outstanding Australian and international speakers, plenary and concurrent presentations, a Local Government Councillors’ session, field trips addressing floodplain issues in the Australian Capital Territory and surrounding areas, as well as networking events. Optional conference workshops on topical issues held on the Tuesday.

About Floodplain Management Australia

[Floodplain Management Australia \(FMA\)](#) is committed to promoting wise floodplain development and helping reduce the risks of flooding to life and property.

FMA, formerly the Floodplain Management Association, was established in 1961 as a network of New South Wales flood mitigation authorities, and has grown into an association of over 140 local government councils, catchment authorities, government agencies, businesses, and professionals involved in all aspects of urban and rural floodplain risk management.

FMA is a network of trusted flood professionals - engineers, land use planners, technicians and decision makers - dedicated to working with all states and territories to raise awareness and the priority of flooding. The association has links to flood related organisations in the United States, the United Kingdom and the Netherlands. FMA promotes wise land use planning principles to guide appropriate development within floodplain areas. We support programs which manage flood risks and the impact of flooding, and reduce private and public flood losses.

We represent Members’ interests at State and Commonwealth government levels, promote public awareness of flood issues, support flood education programs and improve the knowledge and skills of floodplain management practitioners.

In 2009, in partnership with the NSW Office of Environment and Heritage and the University of Technology Sydney we initiated Australia’s only industry based flood risk management course tailored to the needs of technical and land use planning staff and elected Council representatives. FMA is dedicated to working with all states and territories to raise flood awareness and the priority of flooding. FMA has Members in NSW, Queensland, ACT, Victoria and South Australia, and in 2013 established the National Flood Risk Managers Working Group to develop a framework for national cooperation and advocacy for flood risk management.

NEXT TIEMS NEWSLETTER

The next TIEMS Newsletter is planned for June 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. Joseph Pollack (Regular Newsletter), USA, josephrichardpollack@gmail.com
3. Alex Fullick (Special Edition Newsletter), Canada, alex@stone-road.com

Issue no. 36 is planned for June 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.

