

**TIEMS**

The International Emergency Management Society



THE INTERNATIONAL EMERGENCY MANAGEMENT SOCIETY

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Office of
Homeland Security

The International Emergency Management Society

TIEMS continues its international development, and is spreading out its activity more and more worldwide, with members and chapters. New members and chapters add valuable expertise and cultural diversity to the TIEMS international network, which comprises of users, planners, researchers, industry, managers, response personnel, practitioners, social scientists, and other interested parties within emergency and disaster management. 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

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Message from TIEMS President

In TIEMS March Newsletter, I addressed the terrorist attacks that had just happened in Belgium, Iraq and Pakistan. Now, three months later, unfortunately, the world has not become a safer place, rather the opposite, and the public has now been the main target of terrorist attacks. I think many feels like me: Is it safe to travel anywhere now?

When you work within emergency management and disaster response, it is tempting to put all focus on how to avoid terrorist attacks, and make our cities resilient and protect our citizens from this evil. However, the balance between safety and security and freedom and human rights get very easily challenged, and raise the question of what kind of life do we want?

I know what I want. I want to continue travelling worldwide supporting TIEMS organizations in all corners of the world, and when I am home, I like the freedom of living in an open environment, close to the woods and mountains, where I can do relaxing walks, bicycling and skiing.

However, my "home paradise" was also "broken" by the terrorist, Anders Behring Breivik, the 22nd July 5 years ago. However, I think the Norwegian society is still open and relaxing, despite this terrible attack. The message is that we must not let the terrorist fear break down our regular and normal life, even if we know that terrible things can happen.

The alert is on in most countries and international cooperation and exchange of data and warnings have stopped several attempts of attacks, and I trust this surveillance and cooperation will only increase in the future. However, the politicians need to address and have much more focus on the different issues we know

lead to recruitment of young people to the IS and other terrorist organizations, mentioning a few in the following:

- Unemployment amongst young people
- Parallel societies in the big cities
- Integration of refugees in our societies
- Education for all
- Communication between all parties involved
- Etc.

I am sure above is no news to anyone working with these issues, and especially to the politicians. However, how to address these highly relevant political questions in daily life and get something done that really matters?

There are enough resources in the world to make a real difference. However, it needs a total new mindset of our politicians with focus on priorities and follow-up. They must forget their next election, and get enthusiasm and devotion to solve above issues. I am sure it is not difficult to sell to the public, and that most of us will stand up and help.



Oslo 31st July 2016
K. Harald Drager
TIEMS President

I continue to be optimistic, and I like my TIEMS organization to add what we can to make a safer world through improved emergency management and disaster response worldwide.

This Newsletter

This newsletter sections are as follows:

- News from TIEMS Worldwide
- Disasters, Threats and Early Warning
- Reports from EU & RTD Projects
- International Conferences

TIEMS President's 2016 Annual Report is available and a list of content and a link to download the report is given. The report gives an overview of TIEMS activities and events and achievements last year.

In addition, we have a separate TIEMS Special Edition Newsletter, which is dedicated this time to presentations from The Asia Emergency Management Conference in Macao in May this year, and articles with results from the PHAROS EU Project.

News from TIEMS Worldwide

The main focus is the announcement and call for TIEMS 2016 Annual Conference in San Diego in September this year, with updated information on Keynote Speakers and the first Preliminary Program. The conference focus on how to make the worldwide big cities resilient, and we do hope that city governments of many worldwide big cities will join us in San Diego and present their ideas and solutions, and add value to the discussions and conclusions on this very important topic.

A Workshop on the TIEMS GENERATE Project will take place during the conference and a brief presentation of the project and discussion topics and expected outcome of this workshop is described.

Since this is TIEMS 2016 Annual Conference, TIEMS Annual General Meeting (AGM) for 2016 will be part of the program. Conference participants are invited to join this meeting and be updated on TIEMS development and participate in the election of TIEMS Directors, and any TIEMS member can make themselves available to actively work for TIEMS as Officers with responsibility for important tasks TIEMS is working with.

Invitation to TIEMS events in India, Iraq, Finland, Korea, Ukraine and China are presented, showing TIEMS comprehensive international event and activity program.

TIEMS contact network in Ukraine has started the efforts to establish a TIEMS Ukraine Chapter and arrange an event in Kiev in October. This is very welcome in a country having been in deep conflict for a long time, and I am sure it will very much welcome in Ukraine.

TIEMS China Chapter is one of TIEMS largest and active chapter, and TIEMS President's visit with the Chapter and its board is presented. This was part of a trip, where I first visited Macao as an Opening Keynote Speaker at the first Asia Emergency Management Conference, then to Xian where I held a lecture at the Northwestern University and had talks with the local emergency management organization and visited different EM industries in Xian.

The HERACLES EU Project where TIEMS is a partner had its Kick-Off meeting in Gubbio in Italy, and the project is briefly presented with its objectives and plans.

An update of the EU Project ASSET, where also TIEMS is a partner is presented together with an update of the status of ASSET High Level Policy Forum, and an invitation to become a member of this forum and its important discussion on pandemics and epidemics.

Disasters, Threats and Early Warning

The Zika virus spreading and potential threat update are covered in an article by Carl Taylor.

Report from EU & RTD Projects

Some useful information on a Horizon Prize for Material for Clean Air and how to find an EU RTD partner is presented.

International Conferences

Invitation to 15th Global Spatial Data Conference in Taiwan is presented.

Editor's Message



Joseph Pollack

This spring was witness to renewed security threats which highlight our community's need for even closer collaboration and reflection. Indeed:

- The Zika virus' spread continued unabated despite our best effort to curtail its propagation
- The month of Ramadan was the harbinger of even more fanatical attacks
- The Blockchain technology Ethereum came under attack
- Earthquakes Ecuador shook our community's readiness for response
- A Super Typhoon brought Taiwan to a standstill
- Football hooligans tested Europe's freedom of movement and event security apparatus
- Serious transport accidents resulted in mass casualties

Nonetheless there is plenty to be optimistic about notably:

- Despite unruliness all major sport events did proceed without major disruptions in Europe
- Serious Industrial Accidents are declining worldwide
- The Sendai Framework is being enumerated into concrete policies
- The increased focus on urban areas may lead to potentially beneficial programs that will bring us safer societies

Actually that's the theme of our US Chapter's Global Conference to be held in San Diego in September. Its focus on Urban Resilience for Emergency Management and its line up of distinguished speakers and policy-makers assures a useful result for all attendees. In fact we're quickly reaching the 200 attendees-mark due to early-birds and a great speaker line-up! This line up includes a very promising mix of policy-makers, doers, citizen-engagement professionals, and the most interesting academics from our chapters far and wide and beyond.

As you know, most conversations that result in long-term collaboration happen outside the plenary sessions. That's also why this year's global conference will include a whole host of cultural and recreational activities including dinners and cocktail parties so we can get to know each other and trade best-practices. When it comes to security as well as recreation what better city than San Diego?

In this newsletter we showcase TIEMS' latest research Consortium in the protection of cultural sites. As some of you may know the H2020 program from the European Union is the most prestigious research program available and it's with great pride that TIEM's participates within several research consortiums in this field.

We also propose Dr. Carl Taylor's follow-up article regarding the dangers and the spread of the Zika Virus. Last month he discussed the global challenge posed by Zika. This month he discusses the policy challenges of such virii and what the security community including TIEMS can do to support the pandemic response effort. Additional ideas may include :

- Using ICT to share best-practices and training
- Replicating the athletes' surveillance program for visitors to the Rio Olympics
- Building a community of reports perhaps using mapping technology to share experiences as they are occurring
- New and optimised testing capabilities
- An International Patient Registry
- Correlation of multiple data sources from multiple disciplines
- And a Toolkit for Global Responders (TIEMS would be a great organisation to build this! Any takers? Contact me and let's get started!)

This newsletter also includes dissemination and invitations to collaborate from our colleagues in China whom continually impress us with their great leadership intellectually but also materially in our field. If you have the opportunity to work with them, I sincerely invite you to take the chance and go and learn from the best!

In the next newsletter, stay tuned for an article series on the importance of accessibility for handicapped persons; future, digital and cyber crimes; a series on blockchain technology; and of course many many more articles from the TIEMS Global Conference, distinguished members, and yours truly.

This newsletter comes at a very painful time for my country. The Nice attack by a lonely and deranged man exposed the difficulty we face as a community of practitioners to identify, prevent, and indeed conceive and categorise such attacks. Such events show the need for greater understand of the socio-psychological underpinnings of terrorism. Only through education, sharing, and collaboration can we work together to understand and prevent such mass casualty incidents. TIEMS offers it's thoughts and thanks to the victims, to France, its responders, and the members of its French Chapter.

The International Emergency Management Society (www.tiems.org)

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E-mail: secretariat@tiems.info

TIEMS President's 2016 Annual Report



TIEMS PRESIDENT'S 2016 ANNUAL REPORT

TIEMS role in emergency management and disaster response and risk reduction is expressed by the TIEMS mission statement:

TIEMS is a global forum for education, certification and policy in emergency and disaster management. TIEMS is dedicated to developing and bringing the benefits of modern emergency management tools and techniques and best practice to society for a safer world. The goal is to achieve this through exchanging information on the use of innovative methods, technologies and operations to improve society's ability to avoid, mitigate, respond to and recover from natural and technological disasters.

TIEMS provides a platform for all stakeholders within the global emergency and disaster management community to meet and network, learn about technologies and operational methods, and exchange experience on best practice, and in this way aim to influence policy makers worldwide to improve global cooperation and establish global standards within emergency and disaster management.



List of Contents of the Annual Report:

Use the following link to download the full report:

<http://tiems.info/images/TIEMSPresidents2016AnnualReportver2.pdf>

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NEWS FROM TIEMS WORLDWIDE

TIEMS 2016 Annual Conference in San Diego

September 13 - 15, 2016
San Diego, California, USA

**Innovation and Urban Planning for Emergency Resilience in Large Cities**

In an increasingly interdependent world, coordination between local, state, national, and international agencies and the ability to leverage innovative technology have become critical to the success of today's emergency management strategies. This conference will explore best practices and emerging technologies to facilitate coordination of resources, as well as urban planning strategies to build resilient communities.

Topics include:

- Cross-Border and Inter-Agency Coordination
- Cyber Security
- Coastal Risk Management
- Urban Planning and Crime Prevention Through Environmental Design
- Emergency Management Education
- New and Applied Technologies.

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Welcome to San Diego from the Mayor and TIEMS President

Welcome by San Diego Mayor



On behalf of the citizens of San Diego, I would like to welcome you to The International Emergency Management Society 2016 Annual Conference. San Diego has worked diligently at fostering communication, collaboration and sharing best practices among our countless professionals in the fields of healthcare, public health, emergency medical services and emergency management. As we are often reminded, ensuring disaster readiness and building healthier, safer and more resilient communities must be a top national priority. San Diego is a shining example to the nation in the field of emergency preparedness, drawing on our thriving defence industry, expertise in innovation, and cross-border collaboration. San Diego is

known for its world-class restaurants, beautiful beaches and thriving neighbourhoods. While visiting, I hope that you have the opportunity to experience some of the attractions that America's Finest City has to offer. Please accept my warmest wishes for an enjoyable event in San Diego.

**Best personal
regards**

**Kevin L. Faulconer
San Diego City
Mayor**

Welcome from TIEMS President



This is TIEMS 23rd Annual Conference, and we continue to focus on important global emergency management and disaster response issues. The recent terrorist attacks have happened in cities, and the conference focus on how to make cities resilient, both from terrorist attacks and natural and man-made disasters is a very timely and relevant topic.

Excellent International Keynote Speakers presented below will focus on different issues related to this topic, and we look forward to an active and fruitful discussion in San Diego in September. You are all welcome to join us to learn, network, and enjoy beautiful San Diego!

[The full Conference Announcement and
Call for papers](#)

**Come and join us in San Diego in
September, and let us together focus on
how to make our cities more resilient!**

Best personal regards

**K. Harald Drager
TIEMS President**



Jorge Astiazarán Orcí (Mexico), Mayor of Tijuana (Invited)

Dr. Jorge Astiazarán Orcí was elected Mayor of Tijuana in 2013. He is a physician and has been a Red Cross volunteer since he was 11 years old. Jorge Astiazarán Orcí has been instrumental in achieving cross-border collaboration for emergency resilience. He will speak to us on his experiences and insights working with San Diego to improve emergency resilience in the region.



K. Harald Drager (Norway), Founding Member and TIEMS President

Mr. Drager has expanded TIEMS to become a worldwide organization with activities in Asia, Europe, the Americas, Africa, and Oceania. Mr. Drager will provide us a global perspective on emergencies, the role played by TIEMS and set the context for this conference



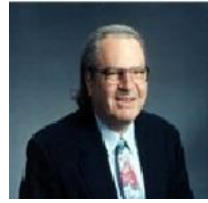
Kay Goss (USA), Founding president and CEO of World Disaster Management

Ms. Goss is the Former Associate FEMA Director in charge of national preparedness, training, and exercises for President Bill Clinton. Fellow, National Academy of Public Administration. President, TIEMS USA Board of Directors.



Guosheng Qu (China), Professor and Deputy Director of S&T Committee of the National Earthquake Response Support Service

Dr. Qu has published more than 100 papers in earth science, earthquake risk analysis, and emergency response, and he will provide a seasoned perspective on capacity building for emergency resilience in large cities.



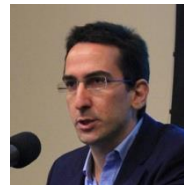
Murray Turoff (USA), Distinguished Professor Emeritus, New Jersey Institute of Technology

Dr. Turoff is the designer of the Emergency Management Information System and Reference Index (EMISARI), co- founder Information Systems for Crisis Response and Management (ISCRAM).



Maureen O'Connell (USA), Special Agent/InfraGard Coordinator, FBI

Ms. O'Connell will describe her work representing the FBI in a National working group to improve cyber security and awareness, and dealing with emergency incidents including the 2015 terrorist attack in San Bernardino, California.



George M. Karagiannis (Greece), Research Scientist, Technical University of Crete

Dr. Karagiannis's interdisciplinary research lies at the intersection of disaster resilience and infrastructure sustainability. His presentation will discuss the emergency management aspects of the current European migration crisis, and how support functions are complicated by international politics, security and legal concerns, as well as Greece's sovereign debt crisis



***Mark L. Benthien (USA), Global Coordinator
Great ShakeOut Earthquake Drills***

Mr. Benthien is Director for Communication, Education, and Outreach for the Southern California Earthquake Center, headquartered and University of Southern California. He will speak to us of his activities to communicate earthquake knowledge to increase awareness, reduce economic loss, and save lives



***Carl Taylor (USA), Executive Director XCH,
LLC, Sr. VP Risk, Unified Physician
Management, Executive Director, Fraser
Institute for Health and Risk Analytics.***

Mr. Taylor will present "What They Never Teach You In Preparing for Disasters".

Preliminary Program Highlights Tuesday 13th September

0800 - 0900 On-Site Registration

0900 - 1200 Morning Session

K.Harald Drager, TIEMS President (Norway) *TIEMS Worldwide Operations and Activities Toward More Resilient Societies*

Nathaniel Forbes, Director, Forbes Calamity Prevention (Singapore), *Food and Disasters: The Impact of Hunger*

Kay Goss, CEO World Disaster Management (USA), *The Profound Impact of International Collaboration: Models and Standards*

Jean-Paul Monet, Bouches-du-Rhone fire Department (France), *How Can ICS Be connected to European Command Systems? Dissimilarities and Interoperability*

Dr. George M. Karagiannis, Technical University of Crete (Greece), *Emergency Management Aspects of the European Migration Crisis*

1300-1700 Afternoon Session

Dr. Josef Leitmann, Global Facility for Disaster Reduction and Recovery, World Bank (USA), *Investing in Urban Resilience: Making Cities and the Urban Poor More Resilient*

Flavio Ribeiro, International Association of Emergency Managers (Brazil), *The Usefulness and Practical Applications of the Concept of Resilience in Disaster Management*

John Valencia, Gary Hayslip, and Tiffany Vinson, City of San Diego Department of Homeland Security (USA), *Internalizing and Integrating Cybersecurity Approaches*

Tom Stahr, ERM, Inc. (USA), *Improving Resilience Through Effective Demolition and Debris Removal*

Dr. Guosheng Qu, Professor and Deputy Director of S&T Committee of the National Earthquake Response Support Service (NERSS) (China), *USAR/CERT Capacity Building for Emergency Resilience for Disasters in Large Cities*

Matt Campbell, National Coordinator, Community Planning and Capacity Building Support Function, FEMA Field Operations Directorate (USA), *Emergency Management and Urban Planning*

1800 Evening Reception, Central Library Terrace

Preliminary Program Highlights Wednesday 14th September

0900 - 1200 Morning Session

Carl Taylor, Executive Director, XCH (USA), *What They Never Teach You about Preparing for Disaster*

Dr. Murray Turoff, New Jersey Institute of Technology (USA), *Views of Emergency Managers on EM Education*

Gideon For Mukwai, Story Warrior Associates (USA), *Neuro-Narative Preparedness: 3 Reasons Why Most Preparedness Programs Fail*

Dr. Thomas Robertson and Dr. Connie White, TIEMS (USA), *Global Educational Network for Emergency Resilience and Training Excellence (GENERATE)*

1300 - 1700 Afternoon Session

Martin Masiuk, Founder and Publisher, Domestic Preparedness Journal (USA), *Inter-Organizational Collaboration for Disaster Preparedness*

Jeongwan Kim, Adam Kirby and James Dietz, Purdue University (USA), *AnyLogic Modeling of Regional Hub Reception Centers for the Fastest Evacuations in Major Cities*

Peiguo Yang and Yi Li, National Disaster Reduction Center (China), *An Urban Vulnerability Study Based on Historical Flood Data: A Case Study*

Dr. Robert Chandler, Lipscomb University (USA), *New and Applied Emergency Communication TEchnologies for Innovative Resilience Planning: Improving Emergency Management Decision Making and Communication Performance*

1830 - Gala Dinner at Tom Ham's Lighthouse



Preliminary Program Highlights Thursday 15th September

0900 - 1200 Morning Session

Maureen O'Connell, Special Agent/InfraGard Coordinator, FBI (USA), *Responding to the San Bernardino Terrorist Incident*

Dr. James Hagen, Saint Xavier University (USA), *Disaster Resilience and Sustainable Design: Innovation and Design in LEED Certification*

Dr. Thomas Robertson, TIEMS (USA), *Risk Communication During Infectious Outbreaks*

Michael Davis, Rick Wilson and Kevin Miller, County of San Diego, California Geological Survey, California Governor's Office (USA), *The FASTER Approach: A New Tool for Calculating Real-Time Tsunami Flood Hazards*

Mark L. Benthien, Global Coordinator Great ShakeOut Earthquake Drills (USA), *Global Earthquake Awareness Initiatives to Save lives and Reduce Economic Loss*

1200 - 1600 Lunch and Tour of the San Diego State University Visualization Center



The Viz Center is a physical space but one that largely represents relationships between people and organizations collectively attempting to positively impact the worlds of Humanitarian Assistance Disaster Relief, Community Resilience, Search and Rescue, and aid to operational Emergency Responders and Homeland Security.

The Viz Center specializes in organizing and delivering geospatial data (dots on maps) over small networks (terabytes to the handheld) for emergency response and disasters. By linking emerging technologies, innovative back-end processing, and operational needs especially for disaster, the Viz Center community is attempting to assist our community, region, nation, and world in responding to difficult situations with critical information, knowledge, and decision-support tools.

[San Diego State Visualization Center](#)

Special Pre-Conference Workshop

Don't 'Present'. Persuade!

Presentation Workshop for Emergency Managers

Monday 12th September 0900 - 1630



Nathaniel Forbes, Director of Forbes Calamity Prevention based in Singapore, is a renowned trainer and consultant to multinational companies in business continuity management, emergency management, and crisis management. The most important interpersonal skill an emergency manager can have is the ability to Persuade! To persuade citizens to prepare. To persuade elected officials to fund a program. To persuade communities to mitigate potential hazards. To persuade your peers – in an emergency, in a classroom or at a conference.

Nathaniel's pre-conference workshop shows you how to do that in your presentations, through the use of stories, emotional connection, and pictures. Bring your laptop (strongly encouraged!) and any presentation you want to improve (entirely optional).

The International Emergency Management Society (www.tiems.org)

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TIEMS Rohrmann Student Scholarship Fund

TIEMS Rohrmann Student Scholarship Fund was initiated by [Bernd Rohrmann](#) who donated the basic funds for TIEMS, to be able to support graduate students to participate in TIEMS annual conferences.

This Fund will financially support two students each year, and students are encouraged to submit their paper proposals and applications for financial support by filling in the application form according to the [Rules and Procedures](#) for the Fund. Students need to fill out the [Application Form](#) and send as instructed at the end of the form.

[.SUBMIT YOUR APPLICATION FOR STUDENT SUPPORT](#)

TIEMS 2016 Conference Registration and Payment

Conference registration includes:

- One-year TIEMS membership (not included in single day passes)
- Conference program and online access to abstracts, presentation materials, and full papers
- Attendance at all plenary and subject sessions
- First Night Reception (\$25 charge for single day pass holders and non-registered guests)
- Coffee breaks and lunch

Time of Payment	Conference fee Regular		Conference fee Student	
	Non TIEMS Members	TIEMS Members	Non TIEMS Members	TIEMS Members
Advanced Registration for Conference	450US\$	350US\$	250US\$	220US\$
Conference Registration at Event	500US\$	400US\$	250US\$	220US\$
Conference Dinner Wednesday September 14	50US\$	50US\$	50US\$	50US\$
Single Day Conference Registration	220US\$	180US\$	140US\$	120US\$

NB! Gala Dinner tickets on second day of the conference is \$50.00 per person.

[REGISTRATION & PAYMENT](#)

TIEMS 2016 Conference Venue



Join us in America's Finest City - San Diego, California at the city's new Central Library @ Joan A Irwin Jacobs Common. At nearly 500,000 square feet and standing nine-stories high, the San Diego Central Library boasts the latest technology, an outdoor garden and courtyard café, an art gallery, and views of the San Diego Bay, Petco Park, and the San Ysidro Border Crossing—the busiest land-border crossing in the world.

San Diego is also home to Balboa Park, SeaWorld® San Diego, Legoland® California, historic Old Town San Diego, the Gaslamp District, and beautiful beaches.

Travel Lindbergh Field at the San Diego International Airport (SAN) is 5.3 miles from the conference facility. Transportation from the airport to the conference can be obtained the public transportation, taxi, or Uber.

Non-US persons may need to apply for a visa to attend the conference. If you need a visa, you will need to obtain one from the US Embassy Consular Section in your country. How to obtain a visa is described at:

[Obtaining a Visa.](#)

If you need a visa, we recommend you start the process right away, as it can take several months.

If your country is listed as part of the Visa Waiver Program (VWP), you may not need a visa. (You will, however, require a machine-readable passport.) A list of countries participating in the VWP can be found here:

[Visa Waiver Program](#)

[San Diego Library](#)

TIEMS 2016 Sponsorship Opportunities



TIEMS 2016 Annual Conference Sponsorship Packages

SPONSOR LEVEL	Bronze	Silver	Gold
BENEFITS	\$1,500	\$3,000	\$6,000
Recognition on Conference Program and Pre-conference Announcements	X	X	X
Recognition in TIEMS Newsletter (4 issues per year)	X	X	X
Recognition on TIEMS web site (for 12 months)		X	X
Recognition on TIEMS Conference web- site for 6 months (Preceding the Conference)		X	X
One quarter page Advertisement Space in TIEMS Newsletter (4 issues per year)	X		
One half page Advertisement Space in TIEMS Newsletter (4 issues per year)		X	
One page Advertisement Space in TIEMS Newsletter (4 issues per year)			X
Sponsor insert in Participant Handout/Bag at Conference		X	X
One 2x3 meter Exhibition Space for Presentations at Conferences	X	X	X
One Sponsor-provided Banner at Conference Site up to 1.5 x 4 meters, or 1 x 1.5 meter poster printed by TIEMS			X
One Complementary Registration*) at TIEMS Annual Conference	X		
Two Complementary Registrations*) at TIEMS Annual Conference		X	
Three Complementary Registrations*) at TIEMS Annual Conference			X

For more information contact Tom Robertson at thinkingteams@gmail.com

Conference Hotels

Ramada Gaslamp/Convention Center



This historic establishment, built in 1913, combines an ambiance of yesteryear with the convenience of 21st century amenities and services. Located in San Diego's entertainment district, the Gaslamp Quarter, the hotel is a 15 minutes walk from our meeting location. Mention TIEMS to get our special rate.

[Ramada Gaslamp](#)

Marriott San Diego Gaslamp Quarter



This hotel offers guests the intimate, quaint, unique experience of a boutique hotel, supported by the well-known personalized service provided by the Marriott brand, which means to you that you will have peace of mind knowing you have selected a property that will take care of your meeting needs in a positive, professional manner. A 7-minute walk from our meeting location.

[Marriott San Diego Gaslamp](#)

For further details, please, contact *Thomas Robertson*

TIEMS GENERATE Project Workshop in San Diego

The workshop during TIEMS 2016 Annual Conference on GENERATE (Global Education Network for Emergenc Resilience and Training Excelece) will be run by :



Thomas Robertson



K. Harald Drager



Connie White



Thinking Teams



QUASAR



ITSFEM

The workshop will address the following topics:

- What is GENERATE and how to be involved in the development and the Global GENERATE Network
- What is TIEMS QIEDM Certification, and how to be TIEMS QIEDM Certified
- What is required background for beeing TIEMS QIEDM Certified
- How is the TIEMS QIEDM Certification Process
- What is the Competence Requirements
- How is and how to pass the TIEMS QIEDM Exam

The workshop will give a brief presentaion of the different topics on GENERATE and TIEMS QIEDM Certification, and then there will be a Q&A session and discussions on the different topics, and a Summary on Conclusions and the Way Forward will be given at the end of the workshop.

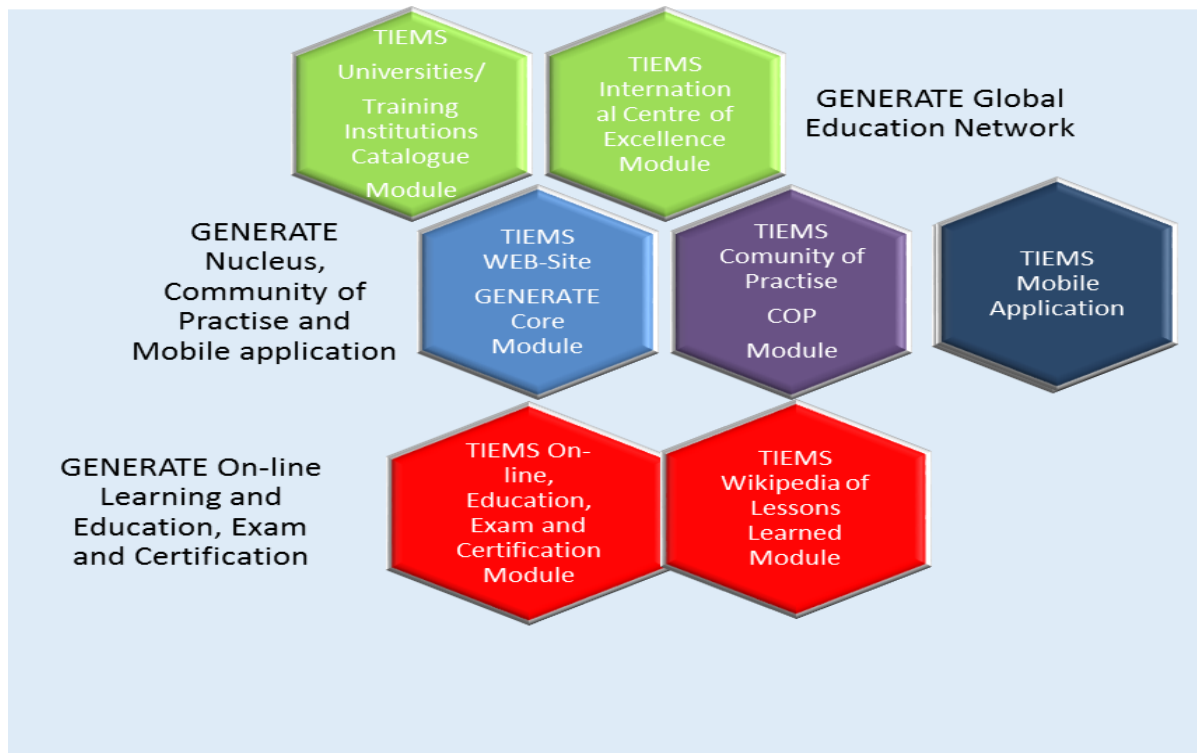
The workshop will be a 3 hour session with a coffee break in the middle, and the workshop will run in parallel to the conference presentations. The timing in the conference program is not yet decided.

Below is a brief introduction of GENERATE and the different topics which will be dealt with in the workshop.

GENERATE Project Objectives

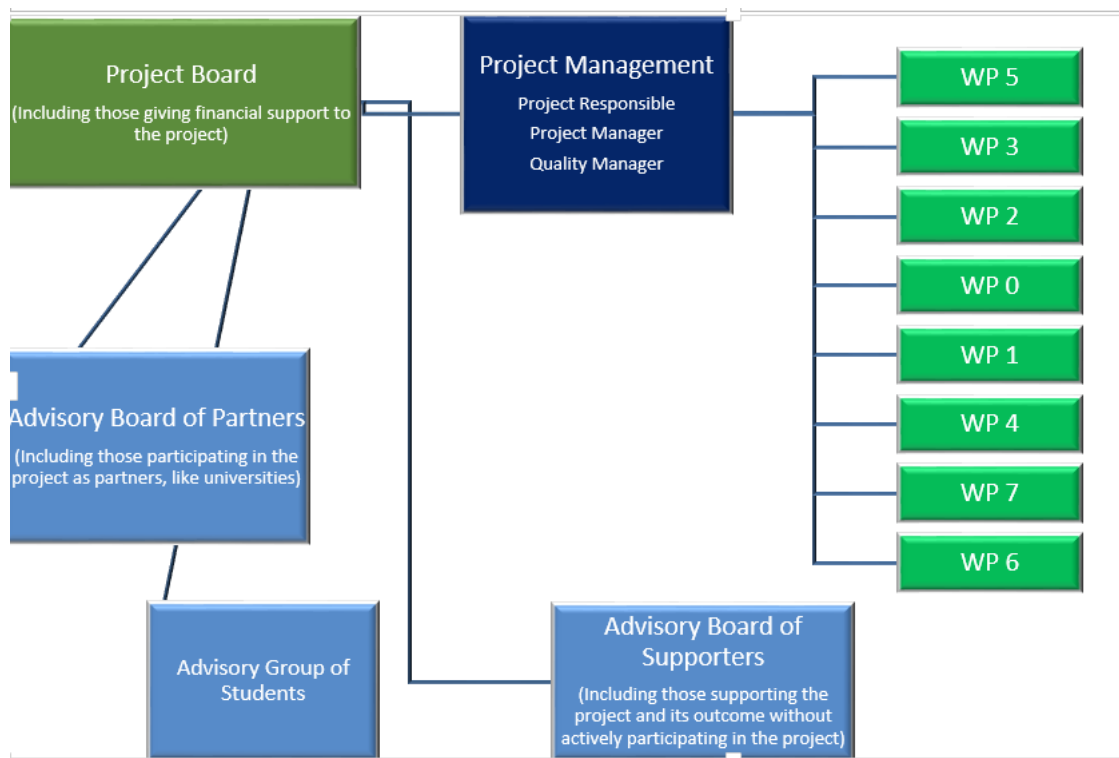
- Develop an Internationally Shared Understanding of Emergency Management Elements, Qualifications and Terminology
- Help Students Find and Connect with Useful Online and Live Education Resources
- Make Increasing Amounts of Emergency Management Knowledge Available Online, Especially to Vulnerable Societies
- Provide a Platform to Share Critical Lessons Learned

What is GENERATE



- An **International Community** of emergency management organizations, educators, practitioners, and students
 - ✓ GENERATE Centers of Excellence
- An **eLearning and Certification platform** promoting shared understanding of EM elements, standards and terminology
- A **Directory** of live and online degree programs, courses, workshops, and knowledge bases
- An online **Community of Practice** to share lessons learned

GENERATE Project Organization Structure



TIEMS QIEDM Certification Application Requirements

QIEDM – Qualifications in International Emergency and Disaster Management

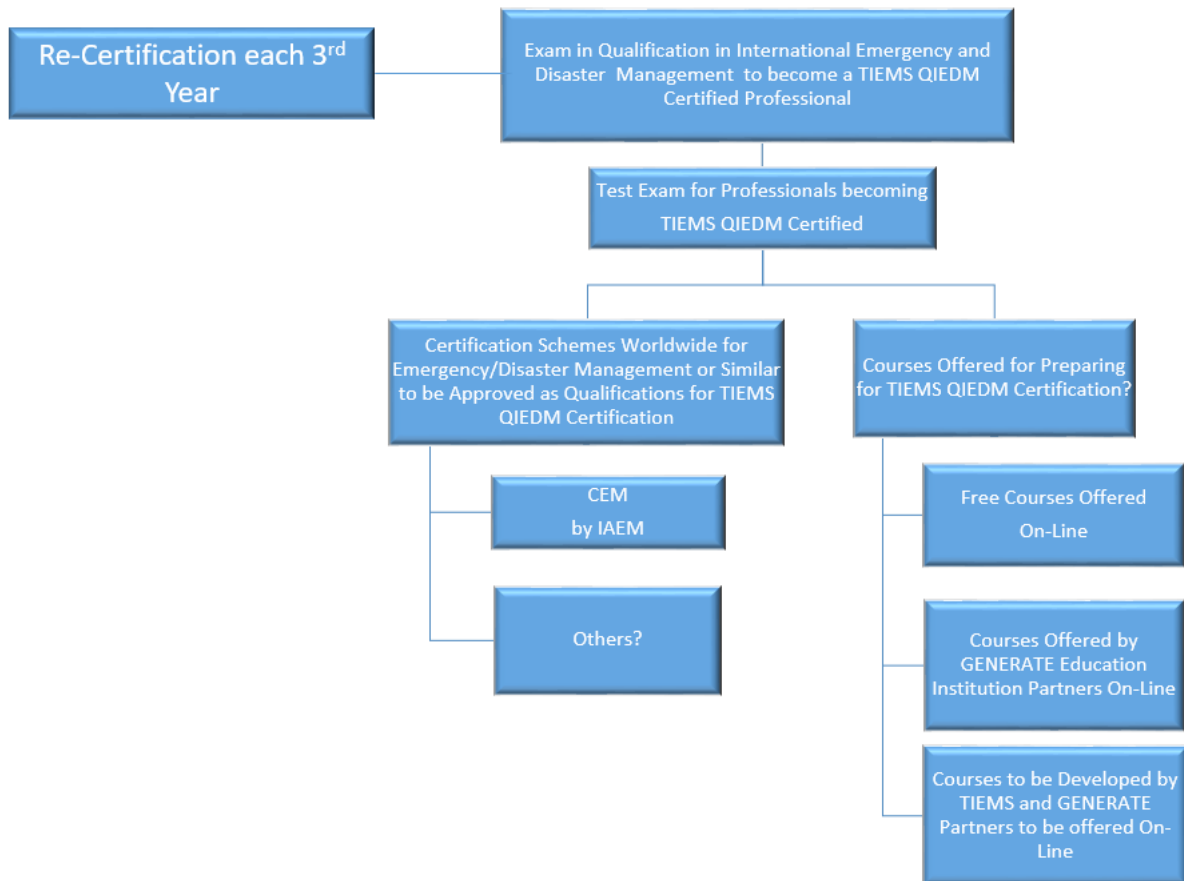
- Being Certified in Emergency Management/Disaster Response or Similar by Another Certifying Institution Approved by TIEMS

OR

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



Preparing for TIEMS QIEDM Certification



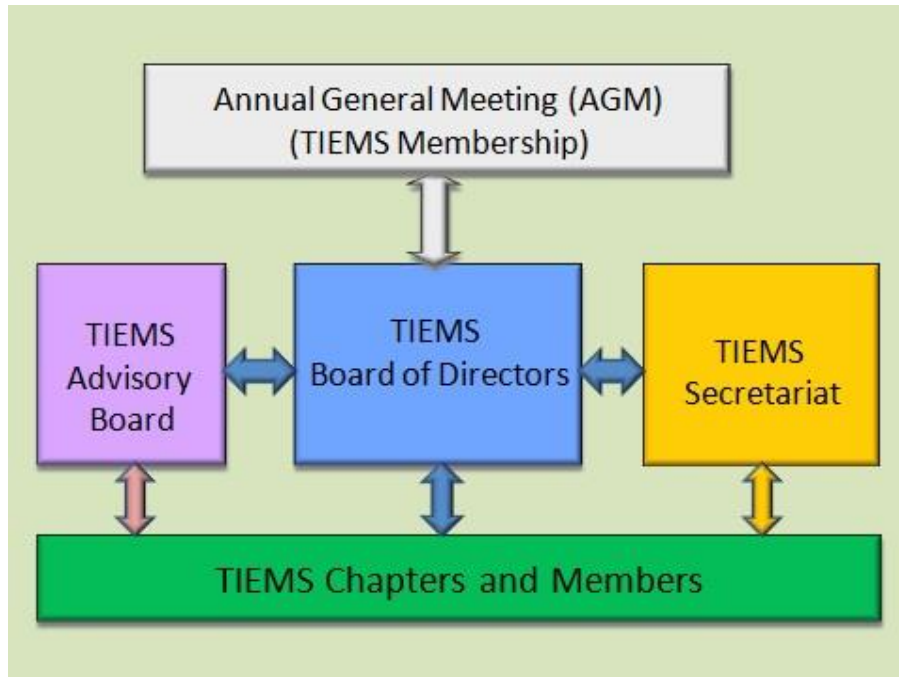
TIEMS QIEDM CERTIFICATION COMPETENCE REQUIREMENTS

1. Global Overview of International Emergency and Disaster Management (EDM)
2. International Emergency and Disaster Management Definitions, Tools and Techniques
3. International Emergency and Disaster Management Planning and Operations
4. International Emergency and Disaster Management Research and Development Worldwide
5. International Emergency and Disaster Management Miscellaneous Issues of Importance

QIEDM Exam Examples

- Essay questions, e.g.,
 - “Describe how the United Nations has worked to bring about a reduction in global disaster risk”
- Fill-in-the-blank questions, e.g.,
 - “In May 1994, UN member states met at the World Conference on Natural Disaster Reduction in _____, Japan, to assess the progress attained by the IDNDR. At this meeting they developed the _____ Strategy and Plan of Action for a Safer World”
- Multiple choice questions, e.g.,
 - “Which of the following UN Agencies typically coordinates the response to major disasters:
 - UNHCR
 - UNOCHA
 - WFP
 - UNDP”

TIEMS 2016 Annual General (AGM) Meeting in San Diego



TIEMS Organization structure is shown in above figure, and shows that the AGM (Annual General Meeting), which is made up by TIEMS membership, is the highest authority in TIEMS organization. TIEMS AGM meets normally once a year during TIEMS Annual Conference, and the main formal agenda is:

1. Welcome by TIEMS President
2. Counting and Validating Membership
3. Appointing two members to sign the minutes
4. Approval of the AGM and the Agenda
5. Minutes from last AGM
6. Accounts for last year
7. Budget for next year
8. Elections

TIEMS members will be called to the meeting by receiving TIEMS Annual Report for last year, including an agenda for the AGM, usually 1 month before the meeting, which this year will take place in San Diego 14th September 2016. All paying participants at the annual conference get one year membership as part of the registration fee, and they can take part in the meeting. Members can meet by proxy at the meeting and each member can carry four proxys in addition their own vote. All above items are decided by simple majority.

All TIEMS members can stand for election for any position on election to the board of directors. The election period is 3 years.

TIEMS By-laws regulate the operation and activities of TIEMS and can be found at:

<http://tiems.info/About-TIEMS/tiems-by-laws.html>

Please, come us and join us at this years TIEMS Annual General Meeting !

TIEMS India Workshop: Education in Disaster Management: Opportunities & Challenges

Friday September 9, 2016, Jaipur, India

Announcement and Call for Papers

Co-organized by



The International Emergency Management Society – India Chapter

www.tiems-india.org.in

&

National Center for Disaster Mitigation & Management



Malaviya National Institute of Technology Jaipur

मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर

<http://www.mnit.ac.in/>

Disasters are increasing in intensity and number and may even become worse due to climate change, living in the coastal (sea and river) areas, and haphazard urbanization. Disasters inflict deaths and disabilities, affect people, disrupt businesses and gains of long-term development in a short time. World Bank has estimated that on average direct losses from disasters go up to two percent of Indian GDP and 12% of government revenue per year. OCHA asserts that seven dollars in disaster response are saved by investing each dollar in disaster preparedness.

We need professionals educated in disaster management for preparedness, mitigation, response, and recovery. Education in this context means long-term education programs. In future, more disaster managers in government, business and industry, and non-profit will come to the job with education in disaster management. The Workshop will explore the opportunities and challenges involved in education in disaster management globally in general and particularly in India. The focus of the Workshop is on:

- Education opportunities in disaster management at certificate, bachelors, masters, and doctoral level
- History and growth of disaster management education
- Face-to-face, distance, online, and blended courses
- Quality considerations and accreditation
- Research in disaster management
- Opportunities in disaster management as a career
- Challenges of employment

The International Emergency Management Society (www.tiems.org)

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E-mail: secretariat@tiems.info

Call for Papers

The International Emergency Management Society - India Chapter (TIEMS – India Chapter) along with National Center for Disaster Mitigation & Management (NCDMM) of the Malaviya National Institute of Technology (MNIT), a deemed university, Jaipur will co-organize a one day Workshop on Friday September 9, 2016. This is the call of papers to block your calendar. The details of the Workshop and paper submission will be available on the TIEMS – India Chapter website www.tiems-india.org.in as well as on MNIT website <http://www.mnit.ac.in/> or a dedicated Workshop website linked to them.

Who Should Attend?

The Workshop will provide an opportunity to bring together policy makers, disaster management administrators, education administrators, researchers, academicians, corporate social responsibility executives, business continuity professionals, non-profit representatives, students, parents, and others who are interested in disaster management to learn about the opportunities and challenges of education in disaster management, peer-learning, and networking to make India and the world disaster resilient.

The International Emergency Management Society – India Chapter

TIEMS started in 1993 is registered in Brussels, Belgium as an international, independent, and non-profit voluntary organization. TIEMS is an organization of disaster and emergency management professionals (www.tiems.info). TIEMS has international network of experts that is valuable for exchanging expertise and experience, and can ensure that culturally appropriate best solutions for disaster management would be used. TIEMS organizes conferences, including an Annual Conference in a different country, and conducts research. TIEMS has 12 chapters in different countries and regions worldwide. TIEMS – India Chapter was registered under the Rajasthan Public Trust Act, 1959 (www.tiems-india.org.in).

National Center for Disaster Mitigation & Management Malaviya National Institute of Technology, Jaipur

NCDMM is establishing an earthquake research laboratory. It conducts workshops, conferences, seminars on disaster management. MNIT has a Masters in Technology program in Disaster Assessment & Mitigation. Two students of this program were trained in field research by the TIEMS – India Chapter in 2014, following Rana Plaza collapse in Saver, Bangladesh, which was the second worst building collapse in the world (after 9/11) killing about 1,134 people.

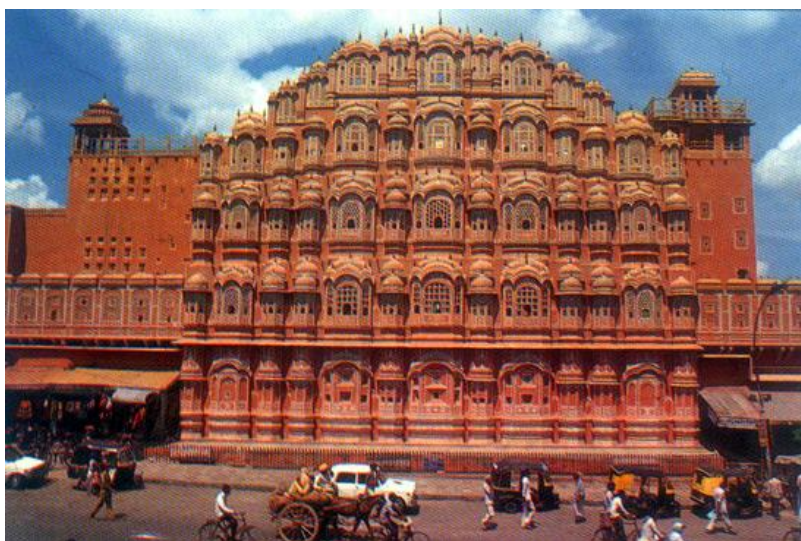
Malaviya Regional Engineering College, Jaipur was established in 1963 as a joint venture of the Government of India and Government of Rajasthan. In 2002 it was given the status of National Institutes of Technology and renamed MNIT. Later in 2007 it was proclaimed institute of national importance through an Act of Parliament and became a deemed university. MNIT celebrated 50 years of teaching and excellence by organising nearly 800 events in its Golden Jubilee year. At present, in addition to the research, consultancy and developmental activities, the Institute offers undergraduate (B. Tech.) and post-graduate level courses (M. Tech. / M.Sc. / MBA & Ph.D.) to about 4,500 students in almost all leading fields of engineering, technology, management and sciences.

Workshop Venue

The Workshop will be held in the MNIT campus spreads over 325 acres of lush green area in the prime location of Jaipur city.

Jaipur

Jaipur is the first planned city of India established in 1727, with roads and streets cutting at right angles. It is the capital of Rajasthan, largest state in India. According to 2011, census Jaipur had 3 million population. Jaipur with Delhi and Agra (famous for Taj Mahal - 240 km) forms the golden tourist triangle. Jaipur is rich in culture, architecture, and two UNESCO designated heritage sites. Jaipur is known as Pink City, because the old downtown painted pink can grip any visitor with admiration. With splendid fortresses, majestic palaces, tranquil temples and beautiful *havelis* (houses); Jaipur turns out to be an ideal tourist destination. Jaipur is also city of crafts and folk art recognized as part of UNESCO Creative Cities Network. Thirty-six crafts and folk art, including the ones related to sculpture, pottery, textiles, and jewellery making by micro, small scale, and cottage industries contribute about 30 percent of Jaipur's economy. These intricate works of crafts and folk art add life and colour to this Pink City's uniqueness. It a bustling city and a business centre with all the trappings of a modern metropolis, including a metro, but yet flavoured strongly



Hawa Mahal (Palace of Winds), Jaipur

with an age-old charm that never fails to surprise a traveller. Jaipur is the apt blend of heritage, palaces, culture and art and the flamboyance of this place can be experienced only by visiting it.

How to Reach Jaipur

Jaipur is well connected by air, rail and road, with some international flights directly to and from Jaipur. Jaipur is 260 km from Delhi. There are number of daily flights, trains, and buses between Delhi and Jaipur, apart from availability of taxi services. It is well connected with other cities of India.

How to Reach the Venue

MNIT Jaipur is situated on Jawaharlal Lal Nehru Marg about 5 km from Jaipur International Airport and is about 9 km from Jaipur Railway Junction, and 10 km from Central Bus Stand (Sindhi Camp).

Climate

In September the weather is expected to be pleasant that allows one to explore more of this place without getting scorched in the seething heat or frozen in cold. The average maximum temperature during the Workshop time is expected to be 32 C (90 F) and minimum 24 C (76 F) based on historical records.

Contacts

For further details please contact:

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Tel.: +91 (0941) 488-7630, (0141) 271-3204

mkshrimali@mnit.ac.in

TIEMS – Iraq chapter



The TIEMS Iraq Chapter was established on September 2011 after participation of delegates of Iraqi ministry of health in the 17th TIEMS Annual conference which was held in Beijing - China and discussion with TIEMS president (Harald K Drager).the next year 2011 Dr.Mohammed Shuaib (Director General of Medical Operations &Specialized Services headed a delegate in the 18th TIEMS Annual Conference which was held in Bucharest-Romania.

Here we never forget the great role and support of Dr.Mohammed Shuaib in establishing Iraqi chapter and after that hosting first activity of TIEMS-Iraq (first international TIEMS workshop in Suleimania September 2011.

TIEMS-IRAQ chapter organized the 19th TIEMS Annual conference in Erbil -Iraq; 19-22 September 2012which involved training workshops on Emergency medicine and disaster management with participation of more than 350 attendees from local, regional and international.

Iraqi Society for Emergency Medicine (ISEM)

It was established in 2013 and most of its members were TIEMS members.

ISEM was established in 2013 by physicians who foresaw the emergence of the specialty of emergency medicine and the future implications for the care of acutely ill patients attending hospital “emergency departments”. The Society aims to provide a forum for discussion and debate on issues of relevance to emergency medicine.

ISEM represents a group of enthusiastic healthcare professionals dedicated to the development of quality emergency care throughout Iraq. Emergency Medicine has only recently been recognized as an independent specialty, although Iraq has always had a large burden of patients presenting to our pre-hospital and hospital emergency services with experienced and passionate personnel rendering much needed care.

Target!

We hope making a network among all physicians, individuals, organizations and academic studies for sharing knowledge, skills and cooperation, in nationally and internationally aspects.

General Information

The Iraqi Society for Emergency Medicine (ISEM) is dedicated to the improvement of care of the acutely ill and injured patient by improving research and education. To achieve this mission, ISEM influences health policy through forums, publications, inter-organizational collaboration, policy development, and consultation services for physicians, teachers, researchers, and students. ISEM represents excellence and leadership in academic emergency medicine and its values include idealism and quality in all endeavors, nurturing and camaraderie and diversity among members, as well as creative and symbiotic interactions with other organizations.

Now ISEM = TIEMS-Iraq!

As ISEM meets the TIEMS target, mission, and vision and because of increase demand to Emergency and Disaster Management which involve pre-hospital and hospital care with proper preparedness to respond to crisis and disasters.

ISEM is proud and honored to be corporate with TIEMS and now we work together to organize an international conference on Emergency and disaster Medicine and management in September 2016 in Suleimaniya-Iraq.

The conference will consist of two parts; conference sessions and training workshops and the scientific program covers a lot of topics which we believe are interesting to most of our colleagues .

Focusing on Capacity building!

We dedicated to promote learning, skills and knowledge to those who supposed to be responding to crisis and disasters through comprehensive training programs.

1. Training program to improve the performance of those working in field of disaster management of international Non-Governmental Organizations and civil societies, particularly skills of life saving and safe evacuation.
2. Training program to medical students in Emergency Skills.
3. Developing studying curricula for teaching Emergency Medicine and management to College students.
4. Encouraging researches and studies in the field of Emergency Management.

ISEM-TIEMS 2016 Conference

International Conference on Emergency & Disaster Medicine, 27-29 September 2016, Suleimaniya-Iraq-Titanic Hotel.

The theme of the conference is ""Through Science and Promote work we can stand up again"

Website: <http://isemiraq.wix.com/isemiraq2016>

Dr.Mohammed Shuaib, Regional director of Middle East and Africa, President of TIEMS-Iraq Chapter

Dr.Shakir Katea, president of ISEM, Vice-president of TIEMS-Iraq chapter

TIEMS Iraq International Conference on Emergency & Disaster Medicine

27-29 September 2016,
Suleimaniya-Iraq-Titanic Hotel



The theme of the conference is "Through Science and Promote work we can stand up again"

Website: <http://isemiraq.wix.com/isemiraq2016>



We are pleased to invite you to the International conference on Emergency & Disaster

Management which will be held 27-29 September 2016 in Suleimaniya-Iraq. We have to work together with national, regional and international partners striving to improve the scientific basis for disaster and emergency health practice and to establish best practices based on validated evidence. The outcomes of this event protect communities, reduce morbidity and mortality, improve recovery, and enable the development of more resilient communities. Conference participants will have an opportunity to engage in these important discussions in a forum with their peers. The conference is organized by the Iraqi Society for Emergency Management in cooperation with the International Emergency Management Society (TIEMS) and supported by many national and international organizations and companies.

TIEMS Finland: Secure Smart and Resilient Cities Initiative (SSCI)



The SSCI initiative, concepts and ideas have been inspired by the number of activities and workshops launched in Helsinki in 2011-2014 by **TIEMS Chapter Finland**. The first SSCI Alliance interest group meeting took place at the 10th ITS Congress in Helsinki in 2014.

The initiative aims to

- Initiative multidisciplinary and multi stakeholders collaboration of Cities, Users organizations, Universities, Industry and SME in the emerging domain of Secure and Resilient Smart Cities
- Address the techno-societal system of systems complexity of Secure Smart Cities, e-services driven innovation and regional development, interoperability and policies aspects
- Consolidate interests, efforts and expertise of key stakeholders groups including cities and users, research and academia, industry and SMEs, international forums and Living Labs
- Facilitate citizens participation in new services design and Secure Smart Cities development
- Establish International Alliance for Secure Smart Cities, to develop partnership for Knowledge Center and Federated Living Lab and to promote international multi disciplinary research collaboration

The initiative includes:

- **Network**
- **Alliance**
- **Partnership**
- **Joint Research Framework**
- **e-collaboration portals**
- **Federated Knowledge Center and Living Lab**

More information at: www.securesmartcities.com or contact siela@nic.fi

The Korean Society of Disaster and Security

Status of the Organization

Purpose of Establishment

The Korean Society of Disaster and Security (KSDS) promotes the academic and technological development in the areas of disaster and safety. The purpose of the organization is to secure the social safety continuity through protection of people from disaster.

KSDS enhances stability and convenience of national infrastructure by establishing the Disaster Prevention and Safety Standards in the public and private sectors.

Legal Basis of Establishment

Civil Law code section 32 (Establishment and Permission of Non-profit Organization) scholarship, religion, charity, handcrafts and other non-profit purposed private organization or foundation can be granted a permit by a competent authority to claim itself a corporate body.

Competent Authority: Ministry of Public Safety and Security

Establishment Date: January 26th, 2007

Characteristic of the Organization

In order to protect civil life and property from disasters, the organization was founded under the name of the Korean Society of Disaster Management Standards.

In January 2007, it academically integrates with natural, social, cultural sciences to define and spread disaster management standards domestically and internationally for the purpose of disaster resilience.

Since October in 2009, we joined the International Emergency Management Society (TIEMS) as a Korea Chapter and participated in symposiums around the globe, mainly about various disasters in global society.

On September 30th 2013, the organization has been renamed as the Korean Society of Disaster and Security. We currently lead academic research activities on disaster

management, disaster resilience, and risk management with experts in disaster prevention and safety fields. We have participated in disaster prevention and safety forums for twenty times, and held the Hazard Safety Training Education Forum every year since November 2014. By conducting academic research and consultation of setting agenda needed for disaster resilience, risk management, and disaster management, we are supporting the Ministry of Public Safety and Security about their agenda settings.

In the case of social issues such as the sinking of Sewol ferry in April 2014, we seek ways of coordinating public and private sector to encourage social consensus through disaster prevention and safety forums. When various forms of disaster, risk, and hazard occur, we open forum, special seminar, and workshop about improving law and system to devise a method for tackling down issues with industrial experts.

The organization conducts academic research activities in the field of natural disaster and social disaster including fire, maritime, and social safety and cooperates with other organizations such as the Ministry of Public Safety and Security, Korean Agency for Technology and Standards. We dedicate to society by proposing the importance of agenda setting for disaster resilience, risk management, risk management manual, and restoration system. We ensure civil life and property by increasing awareness about public safety through broadcasting.

Status of Members

Members:

Approximately 450 members (Main sectors of members: natural, social disaster, landslide, slope hazard, damage from storm and flood, prevention of tsunami, the ground, special disaster, disaster prevention business, BCM, earthquake, fire, gas, social safety, and other field related to disaster)

Status of board members:

60 members (Chairman: 1, Vice-chairman: 7, Personnel of general affairs: 2, Head of research institute: 1, Advisor: 2, members of board of director: 47)

Main Businesses

1. Establishment of the disaster prevention and safety standards and development of terminologies in the public and private sectors.
2. Research and investigation on the development of disasters, hazards, and safety technologies.
3. Publication of journals, research papers, and books regarding disaster prevention and safety management.
4. Holding research conferences, lectures, workshops, and exhibitions about disaster prevention and safety management.
5. Conducting consignment research, consultation, and academic evaluation

The International Emergency Management Society (www.tiems.org)

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E-mail: secretariat@tiems.info

- programs regarding disaster prevention and safety management.
6. Exchange and attendance on domestic and international academic conferences.
 7. The introduction of ISO disaster prevention and safety management standards.
 8. Establishment and operation of the disaster prevention and safety management research institute.
 9. Establishment and operation of the education and training center for disaster prevention and safety management.
 10. Businesses for achieving the goal of the organization.

Major Activities

- TIEMS (The International Emergency Management Society) Korea Chapter (Korean Head Quarter)
- Emergency response and risk management research society
- Holding disaster prevention and safety forums for twenty times, Establishment of Hazard Safety Training Education Forum twice.
- Holding symposiums and publishing collection of dissertation for every year.



For interest, contact Dr. Jaekwon Kim at

kor3s@daum.net

TIEMS Korea Chapter Web-site:

<http://www.dssms.org>

Other Planned TIEMS Events 2016

In addition to the description and calls to TIEMS events above, the following events are also planned in the new TIEMS Ukraine Chapter and TIEMS China Chapter:

- In October 11-14, 2016, the new TIEMS Ukraine chapter, which is under establishment, will arrange a TIEMS conference in Kiev and at this event introduce the new chapter. The event is called TIEMS DCEM 2016 conference (Disaster Control and Emergency Management).
- TIEMS Emergency Medical Committee (TEMC) will hold a Chinese Hospital Emergency Conference with Harvard University on October 15th -16th this year in Changsha of Hunan Province in China. The theme of the conference mainly focuses on discussing hospital management, medical education and medical information.
- TIEMS China Chapter is holding the 7th annual conference in Zhuhai, Guangdong Province, Nov.3-4, alongside with the 11th China International Aviation Expo.

When their announcements are available, they will be uploaded to TIEMS web-site and announced accordingly.

It is also expected that other TIEMS chapters will arrange events in 2016 and when decided and ready they will be announced accordingly.

TIEMS President Visits China Chapter

On May 13, President of TIEMS K. Harald Drager paid a short visit to TIEMS China Chapter in Beijing and held talks with President of China Chapter Mr. Shan Chunchang, vice-president Yang Bin, Qu Guosheng, Zhang Ji and deputy secretary Dong Bingyan. EU research programs that China partners could be involved and the TIEMS 2016 Annual Conference were among those issues discussed.



Mr. Drager introduced the Horizon 2020 program, explained how TIEMS participates in it and called for Chinese participation. He also introduced the GENERATE program (Global Education Network for Emergency Resilience and Training Excellence), a TIEMS online emergency education platform, and called for Chinese support. Mr. Drager invited Chinese emergency experts and officials, including TIEMS China Chapter members, to attend the TIEMS 2016 Annual Conference in San Diego, U.S., on September 13-15.



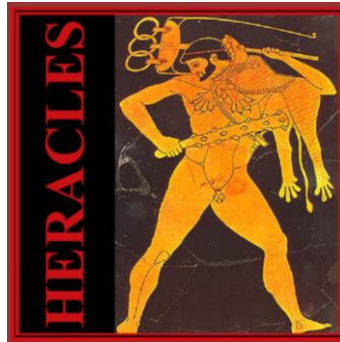
Mr. Shan Chunchang, Yang Bin, Qu Guosheng and Zhang Ji exchanged ideas on the issues above with Mr. Drager, and decided to push forward relevant work. The China Chapter had made good preparation work for the TIEMS 2016 Annual Conference in San Diego, and would invite at least 2 officials from the Beijing Municipality Government to the meeting.



The China Chapter also briefed on the 2016 Annual Conference of TIEMS China Chapter. It will be held on November 1-4 in Zhuhai, Guangdong, a southern province of China. An exhibition of emergency equipment will also be held alongside the conference as an integral part of the 11th China International Aviation & Aerospace Exhibition, a well-known international airshow.



HERACLES Project – HEritage Resilience Against CLimate Events on Site



HERACLES main objective is to design, validate and promote responsive systems/solutions for effective resilience of Cultural Heritage (CH) against climate change effects, considering as a mandatory premise an holistic, multidisciplinary approach through the involvement of different expertise (end-users, industry/SMEs, scientists, conservators/restorators and social experts, decision, and policy makers). This will be operationally pursued with the development of a system exploiting an ICT platform able to collect and integrate multisource information in order to effectively provide complete and updated situational awareness and support decision for innovative measurements improving CH resilience, including new solutions for maintenance and conservation. The HERACLES effectiveness will be ensured by the design and validation of manageable methodologies also for the definition of operational procedures and guidelines for risk mitigation and management. It will be validated in two challenging test beds, key study cases for the climate change impact on European CH assets. The strength of HERACLES solutions is their flexibility in evaluating a big quantity of different information that can be changed and tailored to the specific CH assets needs, guaranteeing in that way a general applicability. In this context, a fundamental role will be played by end-users, which will be active part in the project activities. HERACLES system will be designed and developed by accounting for the economic sustainability and future acceptance by the market and for the social and economic impact for public and local communities while respecting the integrity of CH and the value it hold for communities. Effective technological transfer of HERACLES outcomes to large companies, SMEs and end users, suitable dissemination, communication, education and training activities are also organized to disseminate vision and progresses obtained to different communities, in a vision of wide audiences awareness.

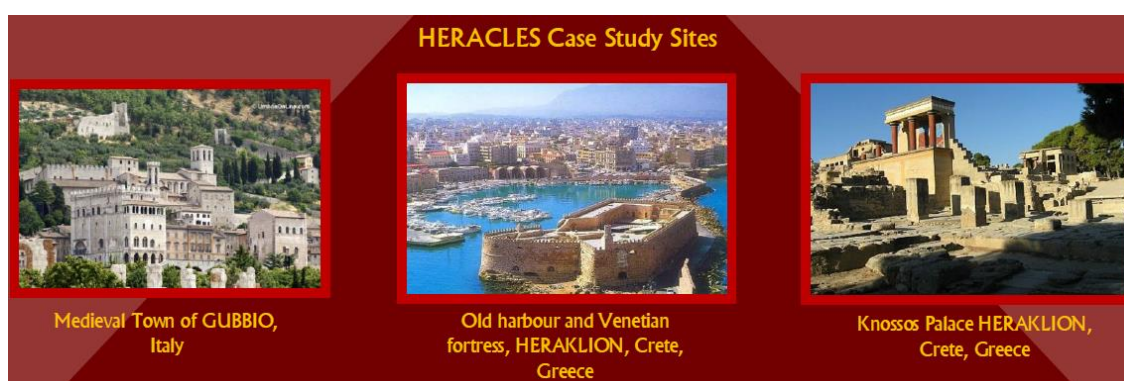
HERACLES project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 700395.



HERACLES Partners Geographical Map



HERACLES Case Study Sites



HERACLES Consortium Partners



Pictures from HERACLES project kick-off meeting in Gubbio



Flag Performance in Gubbio



Coordinator Giuseppina Padeletti and Major of Gubbio Filippo Mario

Stirati Opening the Kick Off Meeting



The Partners are Listening Carefully



The HERACLES Participating Partners Group Picture




Discussing Ideas and Approach

HERACLES

HERACLES
HERitage Resilience Against CLimate Events on Site

Overview of the Project
Project coordinator: Giuseppina Padeletti (CNR, Italy)



HERACLES

HERitage Resilience Against CLimate Events on Site



Addressing the call:

SEC DRS11-2015: Disaster Resilience & Climate Change topic 3: Mitigating the impacts of climate change and natural hazards on cultural heritage sites, structures and artefacts

DRS-11-2015: Disaster Resilience & Climate Change topic 3: Mitigating the impacts of climate change and natural hazards on cultural heritage sites, structures and artefacts (6-8 M€ -Research and Innovation Action)

Specific challenge

Europe's cultural heritage is being lost at an alarming rate, not only due to natural decay and human impacts but frequently also as a result of environmental changes, climatic conditions or natural hazards .


HERACLES


HERitage Resilience Against CLimate Events on Site

Addressing the call:

Scope

The proposal should aim to develop eco-innovative solutions to help mitigate the effects of climate change and natural hazards **on cultural heritage sites, structures and artefacts** taking into account the values they hold for people and respecting their historic and cultural integrity. Effective adaptation strategies, systems and technologies are needed for **better risk management** of vulnerable heritage materials and for **mitigating damage** to cultural heritage assets. Proposals may include case studies and address any research gaps or barriers needed to respond to this challenge, including aspects relating to innovative environmental assessment methodologies, integrated **monitoring technologies** and systems, **improved non-invasive and non-destructive methods of surveying and diagnosis** including wide area surveillance, cost-effective **conservation and restoration techniques**, risk management, **disaster prevention** and **quick damage assessment** when catastrophes occur.





HERACLES

HEritage Resilience Against CLimate Events on Site

HERACLES main objective :

- to **design, validate and promote responsive systems/solutions for effective resilience of CH** against climate change effects, considering as a mandatory premise an holistic, multidisciplinary approach through the involvement of different expertises (end-users, industry/SMEs, scientists, conservators/restorers and social experts, decision, and policy makers).

This will be operationally pursued :


- with the **development of a system exploiting an ICT platform** able to collect and integrate multisource information in order to effectively provide complete and updated situational awareness and support decision for innovative measurements improving CH resilience, including new solutions for maintenance and conservation.
- The HERACLES **effectiveness** will be ensured by the **design and validation of manageable methodologies** also for the definition of operational procedures and guidelines for risk mitigation and management.



HERACLES


HEritage Resilience Against CLimate Events on Site

- The **strength** of HERACLES solutions is their **flexibility** in evaluating a big quantity of different information that can be changed and tailored to the specific CH assets needs, guaranteeing in that way a general applicability.
- A fundamental role will be played by **end-users**, which are active part in the project activities.
- HERACLES system will be designed and developed by **accounting for the economic sustainability and future acceptance** by the market and for the social and economic impact for public and local communities while respecting the integrity of CH and the value it hold for communities.
- Effective **technological transfer** of HERACLES outcomes to large companies, SMEs and end users, **suitable dissemination, communication, education and training activities** are also organized to disseminate vision and progresses obtained to different communities, in a vision of wide audiences awareness.



HERACLES

HERitage Resilience Against CLimate Events on Site



- *HERACLES will follow all the risk phases, not only the immediate effects after a crisis : through a complex sensing system based on different technologies (remote sensing; in-situ data; meteo data, etc...), potential threats that can have a slow evolution will be detected.*
- *Prevision, alert and risk management phases are foreseen, but also all the phases that come first and come after the risk phase: maintenance, conservation, remediation, material development and best practises.*
- *With satellites it will be possible to monitor continuously the sites*
- *Strong market orientation: large industries and medium enterprises have a direct interest that the outputs translate into an operative system*



HERACLES

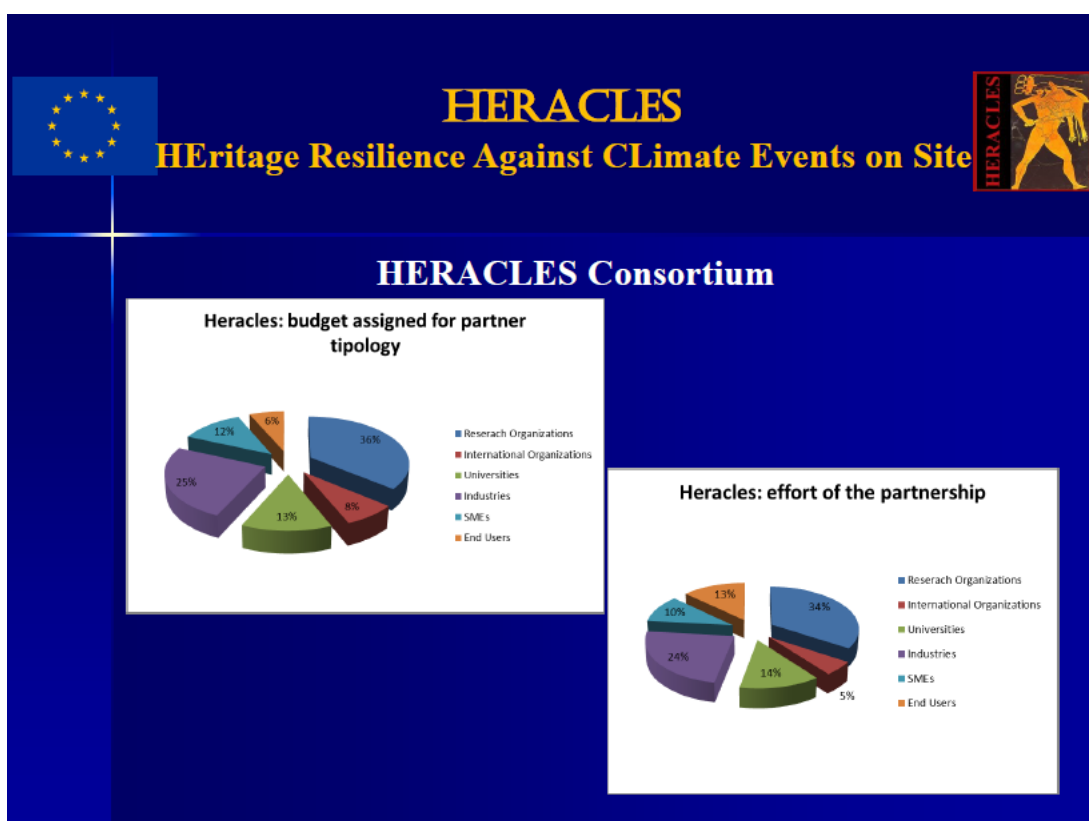
HERitage Resilience Against CLimate Events on Site

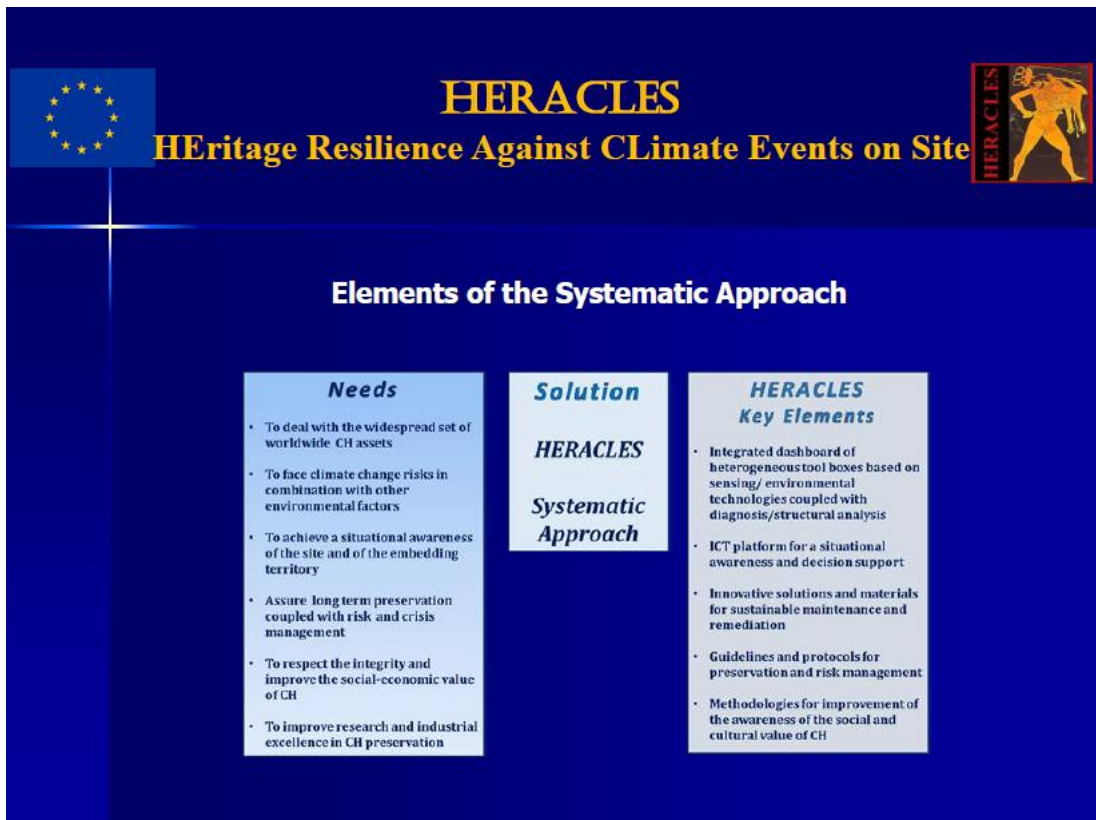




Consortium
at a glance

- **The Project received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 700395**
- **Funding:** 6.564.313,75 Euro
- **Starting date:** May 1°, 2016






HERACLES
HERitage Resilience Against CLimate Events on Site


The project will be validated in three challenging test beds, key study cases for the climate change impact on European CH assets

Greece, Crete –the Minoan Knossos Palace and the Venetian coastal monuments (sea fortress of “Koules”) of Heraklion


An important sector of CH in Greece and in Europe is that on coastal area throughout the Mediterranean (cities, ports lighthouses, fortress and other monuments that face the risk of hazards from climatic change, such as significant impact from the sea.



Archaeological site

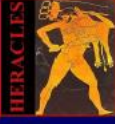


Living area

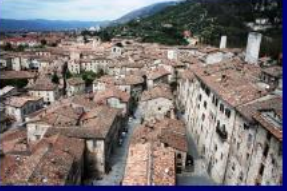


HERACLES


HERitage Resilience Against CLimate Events on Site



Gubbio instead, want to represent all the historical monumental towns in Italy and in Europe, that were conceived and built in the past following criteria when the climate conditions were very different from nowadays, and that suffers at present the effects of climate changes, that would endanger their safeguard.



Living town



HERACLES EU Project - HORIZON 2020:






Starting date: May 1st 2016

Duration : 36 months

E-MRS and TIEMS are Partners of the Consortium devoted to
Dissemination and Education Activities *(already started)*



HERACLES EU Project - HORIZON 2020



HERACLES main objective:

- to **design, validate and promote responsive systems/solutions for effective resilience of CH** against climate change effects, considering as a mandatory premise an holistic, multidisciplinary approach through the involvement of different expertises (end-users, industry/SMEs, scientists, conservators/restorators and social experts, decision, and policy makers).

This will be operationally pursued :

- with the **development of a system exploiting an ICT platform** able to collect and integrate multisource information in order to effectively provide complete and updated situational awareness and support decision for innovative measurements improving CH resilience, including new solutions for maintenance and conservation.
- The HERACLES **effectiveness** will be ensured by the **design and validation of manageable methodologies** also for the definition of operational procedures and guidelines for risk mitigation and management.




HERACLES EU Project - HORIZON 2020



Dissemination and Education Activities *(already started)*


- Stand dedicated to HERACLES Project in the Exhibition area for all the EMRS Spring Conference duration
- EUROPE in MOTION event @EMRS 2016: HERACLES Project presentation
- Workshop FF @ EMRS 2016:
 - HERACLES Project presentation
 - activities related to HERACLES expertise/partners are presented as contributons

Workshop FF @ EMRS 2016: Sustainable knowledge and preservation of Cultural Heritage for future generations [including Visit to Musée LAM Lille - Modigliani Expo (with museum Conservators)]



HERACLES

Heritage Resilience Against Climate Events on Site



HERACLES Dissemination phases

Phase	Project months	Main objectives	Target audience	Key dissemination channels
Phase I	M01-M12	Project presentation; objectives; expected results; stakeholders engagement	Policy makers, Industry, Researchers, civil society, Innovation support networks	Project website, social media, poster and brochures, publications in conferences and workshops.
Phase II	M12- M24	Project intermediate and final results; training material, roadmap, good practices and lessons learnt.	Policy makers, Industry, Researchers, civil society, Innovation support networks	Exploitation plan, posters, brochures and video, press releases, newsletters, media articles and publications, conference and exhibition participation, workshops, project website and social media.
Phase III	M24-M36	Project milestones and Innovations connected to materials, processes, promotion of demonstrators	Industry, Researchers, civil society/end-users, Innovation support networks;	Mass media communication channels; Training courses and symposia on specialized conferences and fairs; Press release channel; LinkedIn, Twitter, YouTube channels to be connected to promotional videos

Update on the EU Project ASSET with TIEMS as a Partner



TIEMS is a partner in the EU project ASSET (Action plan in Science in Society in Epidemics and Total pandemics), which is a 48 month Mobilisation and Mutual Learning Action Plan (MMLAP), which aims to 1) forge a partnership with complementary perspectives, knowledge and experiences to address affectively scientific and societal challenges raised by pandemics and associated crisis management; 2) explore and map SiS (Science in Society)-related issues in global pandemics; 3) define and test a participatory and inclusive strategy to succeed; 4) identify necessary resources to make sustainable the action after the project completion. ASSET combines public health, vaccine and epidemiological research, social and political sciences, law and ethics, gender studies, science communication and media, in order to develop an integrated, transdisciplinary, strategy, which will take place at different stages of the research cycle, combining local, regional and national levels.

[Read the Brief Project Overview](#)

Take a look at the ASSET Project WEB-site for an update on progress:

<http://www.asset-scienceinsociety.eu/>

Action plan on Science in Society related issues in Epidemics and Total pandemics

ASSET
SHARE AND MOVE TO FACE NASTY BUGS

HOME THE PROJECT STORIES RESOURCES OUTPUTS MEDIA ACTION PLAN DATAVIZ CONTACTS

Vaccination in pregnancy: safe and effective

As it was proved during 2009 A(H1N1) pandemic, vaccinating pregnant women against flu is usually safe and can protect both mother and children. Vaccination against whooping cough is recommended as well, while vaccines with live virus, such as nasal spray flu vaccine, measles and rubella, should not be used in these cases.

Read more

READ OUR NEWSLETTER
Stay tuned on Pandemic Preparedness and Response

READ OUR BULLETIN
News on Pandemic Preparedness and Response

FOLLOW US ON:

ASSET High Level Policy Forum (ASSET HLPF)



[Asset Brochure](#)

TIEMS is a partner in the EU Project ASSET (Action Plan on Science in Society Related Issues in Epidemics and Total Pandemics). One of TIEMS tasks in the project is to establish a High Level Policy Forum, recruit members to the Forum and get the Forum operational and addressing Epidemic and Pandemic issues, see

[Introduction of ASSET HLPF.](#)

The first Forum meeting was held in Brussels 12th March 2015, see

[Minutes from the first Meeting.](#)

The second Forum meeting was held in Copenhagen 15th January 2016, see

[Minutes of the second Meeting](#)

The third meeting in ASSET HLPF is planned for Brussels March - April 2017.

For interest becoming a member of ASSET HLPF, please, contact [TIEMS President](#).

DISASTERS, THREATS and EARLY WARNING

Zika Part II: Our Next Steps in a Time of Uncertainty

Carl Taylor, CEO XCH Global, Managing Director Fraser Institute for Health and Risk Analytics

As I write this the state of Zika awareness can best be described as one of uncertainty and speculation. On the one hand 150 individuals (described in some publications as scientists) wrote a letter to the WHO suggesting that the Rio Olympic Games be postponed. Many of the signatories to the letter are not from epidemiology, virology, infectious disease, or tropical medicine backgrounds, but rather from bio-ethics and unrelated health industries. Nevertheless, this letter made the press and has been roundly cited as a reason for concern.

Not to be outdone, the political process in the US has also kicked into high gear, with \$1.9 billion proposed for Zika response. On June 1, 2016 the Governor of my home State of Florida (who I like by the way), wrote a letter to President Obama. The letter requests funding to “immediately combat the Zika virus”. It ends with this paragraph: “There is no doubt that we fall further and further behind fighting the spread of this virus with every day that passes and we are not fully prepared..... With the Zika virus the storm is predicted by the CDC to be just around the corner, and we need federal action now to keep our citizens safe and healthy through what would no doubt be a disaster if this virus becomes mosquito borne in our state.”

Other states and most certainly globally other knowledgeable experts and scientists have taken opposing or at least more moderate positions. They view Zika as a minor annoyance (most certainly this is not Ebola is a common phrase), presenting harm only very rarely in pregnant mothers. This is typical for any infectious disease outbreak/pandemic. Unlike storms, which have fairly predictable steering currents and can be seen and measured for intensity, bad bugs are far more unpredictable. Their spread is dependent on local conditions including weather, population density, existing immunity, social practices, governmental effectiveness, transmissibility of zoonotic illness, as well as the characteristics of infectivity and mortality of the virus. In addition, rather than following wind and wave steering currents the virus can spread (as we are seeing with Zika) by the travel of an infected person to another country. Outside of those countries where Zika is endemic, the disease is new, novel and presents four challenges/opportunities to emergency management and health officials.

First, improving our bio-surveillance abilities. Detecting the presence of Zika with any accuracy is not a given. Unlike a significantly bad bug such as Ebola, Zika can be asymptomatic in persons. In fact 4 out of 5 individuals who have the virus either do not know they have it, or believe they have something else ranging from a common cold to dengue. Moreover, Zika rarely results in a trip to the hospital or even a doctors’ office. Most individuals can self-manage the virus. The problem created by the stealthiness of Zika is it means it exists off the radar screen of typical public health data collection. Most public health bio-surveillance programs rely on healthcare providers (doctors or hospitals) to report incidents and outbreaks. Zika may indeed exist more broadly in your population in numbers greater than are known to public health. The phrase I have been using is public health surveillance was designed for an analog world. Since we now live in a digital/mobile/media centric universe, new systems of bio-surveillance must be created. At the heart of this approach is the need to turn our citizens into active participants in reporting conditions of their own health. We must move to new systems of sensing the presence or absence of circulating viruses in our communities in order to have a better picture of the health or illness of our population. Today there are tools out there which can be used for this or modified to be a part of a more robust system of infection recognition.

Second, improving our knowledge sharing. Novel viruses are only novel in some locales. One of the real values of organizations like TIEMS is the ability to share experiences across geographies. We need not learn lessons for the first time in dealing with Zika, when other countries have learned those lessons for us. For whatever reason our federal, regional and community emergency management structures are often overly insular in knowledge acquisition or where they reach out for assistance they put undue burden on a few known international resources. My own personal bias is to encourage stronger collaboration and experience across boundaries. In reading the after action reports from the earthquake in Nepal, I saw the repeated experiences of lessons we learned in Haiti. We can become better at sharing best practices and archiving experiences from events so that other jurisdictions can read first-hand accounts on what works when an outbreak occurs. TIEMS members should consider contributing their own experiences including virus outbreaks so that we can all learn best practices and avoid mistakes.

Third, increase our understanding of the non-viral influencers of response or- follow the money. Outbreaks are economic events. Make no mistake Brazil has every reason to assure tourists and athletes that Zika poses no threat. With a struggling economy and a tough political situation, the Olympics holds hope of generating an economic opportunity that may simply be a once in a lifetime event for that country. But economics runs far beyond Brazil. Companies, which make Zika preparedness kits, mosquito abatement resources including traps, insecticides, GMO modified mosquitoes, spraying equipment, medical testing, ultrasounds and vaccine developers all stand to benefit from this outbreak. So how one views Zika depends in part on the impact of Zika on your tourist or local economy versus the opportunity to provide medical and abatement goods and services to governments and medical providers. Economic impacts taint, color, and affect the advice generated from “experts” and others. Emergency managers tasked with right action in order to protect your citizens must become astute at understanding the steering currents that will cause Zika to be seen in seemingly significant different lights. One way to deal with steering currents and biases is to become capable in developing models. I will agree with the phrase all models are wrong but some are useful. My point is to create an ability to take data in (sensing) from multiple points and to run a series of probabilities and expectations in a model. The output will then be a range of possibilities including some reflecting the advice coming from those who stand on both sides of the economic impact. By creating models you create an ability to constantly feed additional data in and much like tracking hurricanes you can see trends and modify actions and expectations. Over time well done models tease out biases as they become more and more reliant on actual experiences occurring on the ground.

Fourth, placing emphasis on how and what to communicate. In the absence of good communication your community will find their own voices, listen to their own “valued” inputs or advice of others. The community will often respond in ways that emergency management and public health do not prefer. In any outbreak the most valued resource is trust. Trusted advice comes from the process listed above. Collect data from the community, broaden your panel of experts to those with first-hand experience, develop models to reduce bias and evaluate the range of possibilities of the impact of Zika to determine your messaging. Test your messaging abilities realizing that there is often a wide spread cultural gap in how we wish to be reached and communicated with-from text to phone to emojis to town hall meetings.

The impact of Zika as I write this is unknown in the US and many countries around the world. The press coverage, as the Olympics draws nearer, will only put more emphasis on the threat. The return of the athletes and visitors from Brazil will further raise the possibility of this novel virus finding your country. The time to plan is now. Even if Zika does not come, or the impact is very modest- you have used this opportunity to prepare for whatever bug comes next. For they will come.

REPORTS FROM EU & RTD PROJECTS

Horizon Prize: Materials for Clean Air



Join the contest!

What is this prize about?

The European Commission has launched the **Horizon Prize on Materials for Clean Air** to improve air quality in cities and reduce the serious health and environmental risks posed by particulate matter.

It is a challenge prize offering a cash reward of **€3 million** to whoever can most effectively meet the following challenge:

Develop a material solution to reduce the concentration of particulate matter in urban areas that is affordable, sustainable, innovative, and well-designed.

Particulate matter (PM) is the air pollutant that has the most severe impact on health. People can easily inhale these microscopic particles, which can lead to asthma, lung cancer, cardiovascular and respiratory diseases and premature death. PM also harms the environment and contributes to climate change.

Who can join the contest?

The contest is open to any single person and legal entity or groups of legal entities established in EU Member States or in countries associated to Horizon 2020, the EU's research and innovation programme.

If you are looking for a suitable partner or want to propose your expertise to compete for the Prize, you can submit your offer or request via the Partner Search Facility of the National Contact Points: www.nmp-partnersearch.eu.

What solutions are we looking for?

The rules of the contest give contestants total freedom to come up with the most promising and effective solution. But as a minimum, the material solution needs to be affordable, sustainable, innovative and well-designed. This solution can be made of any chemical substance (e.g. plastic, concrete, asphalt etc.) capable of reducing particulate matter concentration in the air.

What is the timeline of the contest?

Contestants need to apply by **23 January 2018**.

The award decision will be taken in 2018.

More information

www.ec.europa.eu/horizonprize/cleanair



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Horizon Prize
MATERIALS FOR
CLEAN AIR

Crack the **challenge**
and **win**
€3 million

Contest opens in **2015**

www.ec.europa.eu/horizonprize/cleanair
#horizonprize

 European Commission

Find Your Next R&D Partners with Labs Explorer!

The Labs Explorer idea started when a Paris-based communications agency, Umaps, identified and experienced how difficult it is for SMEs, industrial, academic and European partners to connect and collaborate on projects.

"The problem is that finding relevant labs in fields you don't know about is extremely time-consuming or overly expensive," notes Stephane Tholander, co-founder of Labs Explorer. "We believe that it is now necessary to provide the R&D community with a search engine to look for partners."

Labs Explorer was thus launched in April 2016. The search engine is available directly on the Labs Explorer homepage and anyone can access it for free. More than 100 000 labs, from private and academic organisations across 80 countries, are already referenced.

The platform is user-friendly and designed to help stakeholders finding their partners. Any type of R&D organisation can sign up for free. The users can then customize their lab page by showcasing their expertise, by describing the services, products or facilities they sell and by publishing news like research papers, job offers, events....

So far, most of the users registered to increase their visibility to potential partners, especially for Horizon 2020 calls. Other lab managers found their benefit in the proximity to industries and private companies, whether it is to sell their services (often facility access or consultancy) or to build technology transfer partnerships.

Among the Lab Explorer regular users are the French biotech [Xentech](#), the [Centre for Risk, Safety and the Environment](#) from the European University Cyprus and research groups from renowned organisations like the [Stockholm University](#).

Labs Explorer offers a tool for companies to be referenced on a globally connected and qualitative network, and enables users to get in touch with stakeholders from complementary research fields.

Try Labs Explorer at www.labsexplorer.com!

INTERNATIONAL CONFERENCES

15th Global Spatial Data Infrastructure Conference



See web-site for updates:

<http://www.gsdiassociation.org/>

[NEXT NEWSLETTER](#) Next TIEMS Newsletter

The next TIEMS Newsletter is planned for November 2016.

TIEMS issues two electronic newsletters quarterly, the Regular Newsletter and the Newsletter - Special Edition, and they are distributed to more than 100 000 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.

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4. Samantha Ueno (Social Media), UK/Japan, samantha.ueno@gmail.com

Next issues of TIEMS Newsletters are planned for November 2016 and contributions are welcome. Please, contact one of the editors or TIEMS Secretariat if you have news, articles of interest or like to list coming events of interest for the global emergency and disaster community or like to advertise in this issue.

