Designing and Operating an Integrated Emergency Management System

Manage catastrophic and complex emergencies
March 30 - April 3, 2020, Manila, Philippines

The 5-day Bootcamp, part of EMI’s Training, Exercises and Drills Program, covers the required organization, processes, systems, competencies, tools, and plans needed to build your institution's Integrated Emergency Management System (IEMS). It is targeted towards DRM professionals, practitioners and decision-makers.

The parameters of the boot camp are:
- Coordinating the response of a major disaster;
- Dealing with extreme conditions;
- Managing increasing demands and limited resources;
- Building a common operating picture (COP); and
- Planning and solving problems effectively.

Stress-test scenarios give you the skills to manage emergencies. Hands-on exercises let you align your EOC (Emergency Operation Center) with international standards. Take advantage of decades of global emergency management experience to add significant expertise to your DRM practice.

In 5 days, you will have the skills and tools to manage all types of emergencies for your organization:
- EOC Concept of Operations and Standard Operating Procedures
- EOC organization benchmarking to international emergency management standards and practices
- EOC prototyping with 3D rendering
- Prototype design of an EOC resilient communication system
- Protocols to operate your EOC, including activation to deactivation for a major earthquake or tropical cyclone

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IEMS is a global, structured, and results-proven approach that puts the guessing out of managing emergencies and instead, puts you in control.
Real world applications of an IEMS: You will undergo a series of training and practice sessions to understand and practice the Incident Command System (ICS), EOC operations planning, situational reporting, incident action planning, emergency support functions (ESF), EOC activation and deactivation, and emergency communications.

Fully functional EOC: You will participate in exercises to identify critical hotspots in multiple incidents and complex urban emergencies. You will develop a Concept of Operations (ConOps) that is effective for all types of emergencies, assess the requirements of a fully functional EOC, and begin to design the basics of a resilient information and communications system.

Worsening disaster scenario: You will be tested through drills that will inject information from the field to the EOC assuming a fast-paced, and increasingly worsening flood scenario. You will be asked to take on an assigned role in the ICS and perform your functions with rapidly changing conditions and limited resources. Your capacity to decide and act will be put to its limit with injects designed to find points of failure in the system.

IEMS Playbook

In this bootcamp, we will put together your IEMS Playbook that will give you the tools to establish your EOC and manage your emergency response operations.

Instructors

The IEMS boot camp will be animated and facilitated by world-recognized experts in the field who have designed and managed EOCs in some of the most complex urban emergency situations.

More Information

Bootcamp is only limited to 35 participants.

We are offering a 10% discount for women, persons with disabilities, and organizations with more than 3 participants.

Register now at bit.ly/IEMSBootcampRegistration.

Learn more about the bootcamp at bit.ly/EMI-TEDBootcamp. For other inquiries, contact us at ted@emi-megacities.org.
Course Content

Readiness Levels

A bootcamp is an environment to **learn the required skills in the shortest possible time**. You will acquire the skills to reach four emergency management readiness levels in 5 days.

**Readiness Level 1:** Understand an IEMS

**Readiness Level 2:** Plan an IEMS

**Readiness Level 3:** Practice an IEMS

**Readiness Level 4:** Execute an IEMS

Boot camp is an interactive, participatory and practical learning environment based on the concept of learning-by-doing. The boot camp is delivered through a series of group discussions and problem-solving activities that will test and validate what you learn for each module, ensuring that you leave the boot camp in measure to **immediately implement what you learned.**
Meet the team

**Fouad Bendimerad, Ph.D., P.E.**
A Stanford CEE alumnus with over 30 years of professional career, Dr. Bendimerad has lived through two major earthquakes and has investigated several other disasters including the 2004 Sumatra Earthquake, the 2011 Fukushima earthquake, as well as Hurricane Katrina and Typhoon Haiyan. He supervised the design and set up of the IEMS of several cities including Dhaka, Mumbai, Quezon City and Pasig.

**Nicolas Burk**
He has over 20 years of experience in Disaster Management. He supported the 2004 Sumatra earthquake and tsunami response, as well as the response and recovery of multiple severe hurricanes that impacted the United States. He served as the Recovery Chief of Staff for the FEMA coordination during Hurricane Matthew in North Carolina in 2016, and was the Assistant Director of Emergency Management.

**Ritchie Angeles**
He is the former head of Pasig City’s Disaster Risk Reduction and Management Office who led the city’s response to one of the worst flooding events to hit Metro Manila. He was also involved in responding to various disasters in the country, including Typhoon Pedring in 2011, Typhoon Pablo and Sendong 2012, Bohol Earthquake and Typhoon Yolanda in 2013, Typhoon Yolanda 2013, and Typhoon Lando in 2015.

**George Pornaras**
He started his ICT career building the early Internet at NASA-Ames Research Center in Silicon Valley. He is a University of California-Berkeley EECS alumnus, a veteran of the US Air Force and US Peace Corps, as well as an ICT solutions architect for multiple telecommunications companies worldwide, including HKT, SingTel, BT, France Telecom, AT&T, Sprint, and PLDT.

**Jose Mari Daclan**
He has led several of EMI's projects aimed at building emergency management capacity of public and private sector organizations in the Philippines, Myanmar, and Tanzania. He was involved in investigations of major disasters, such as Typhoon Haiyan in 2013, and the Nepal Earthquake in 2015.

**Jerome Zayas**
He is the lead designer of EMI's TED Program. He also supported the design of similar systems in Kathmandu, Pasig City, Mumbai, Quezon City, and Dar es Salaam. He led several recovery missions in Asia including Aceh, Yogyakarta, Tacloban City, and Marawi City.

**Mary Luanne David**
She has over 8 years experience in disaster risk management, and emergency management as part of regional and local government initiatives in the Philippines, including research and planning, communications, project management, training administration, EOC management and incident management. She is currently supporting ongoing EM capability building initiatives in Tanzania.