EMI Institute for Urban Resilience

2020 Training Program

MARCH
GIS FOR URBAN RESILIENCE BOOT CAMP
March 25-27, 2020
bit.ly/EMI-GISURBootcamp

APRIL
IEMS TED BOOT CAMP
March 30 - April 3, 2020
bit.ly/EMI-TEDBootcamp

GENDER AND DRR ONLINE COURSE
March 8 - April 4, 2020
bit.ly/GDRR-2020MarRegistration

Upcoming Boot camps
1. Resilient Communications
   May 2020 - bit.ly/RCBootcampRegistration

2. Resilient Waste Management System
   May 2020 - bit.ly/RWMSBootcampRegistration

3. Resilient Water and Wastewater System
   June 2020 - bit.ly/RWWSBootcampRegistration

More Information
Bootcamp is only limited to 35 participants. We are offering 10% discount for early bird registrants (open until February 23, 2020), women, persons with disabilities and organizations with more than 3 participants.

Learn more about the bootcamp at bit.ly/EMI-GISURBootcamp

GIS for Urban Resilience Bootcamp
Duration: 3 Days
Delivery: Face to face boot camp
Location: Manila, Philippines
Date: March 25-27, 2020
Fees: 750 USD*
Scholarships and discounts are available

A 3-day practical and hands on GIS-RS Training using QGIS, PostgreSQL and Google Earth in their applications in the field of disaster risk reduction (DRR) and emergency management (EM)

Register Now!
bit.ly/GISURBootcampRegistration

Emi.megacities
Emimegacities
Emi-megacities.org
Emimegacities
GIS for DRR and EM Professionals

LEARN THE BASIC APPLICATIONS OF OPEN SOURCE TOOLS FOR URBAN RESILIENCE

QGIS: analyze and edit spatial information, compose and export graphical maps

FLOOD SUSCEPTIBILITY AND CRITICAL FACILITIES

POSTGRESQL: manage and store data in a highly stable system with more than 20 years of community development

GOOGLE EARTH: access and explore one of the most comprehensive collection of remotely sensed data of the planet

Geographic Information System and Remote Sensing (GIS-RS) technology enables us to identify, quantify, and reference the spatial characteristics of the natural and built environments. With GIS-RS, we can determine which areas are the most vulnerable in a city and how many people are located in these hazard prone areas. **GIS-RS serves as an essential tool for mapping, spatial planning, as well as assessing and managing hazards and risks.**

The boot camp will provide you with the skill sets to understand and apply GIS-RS technologies for urban resilience and introduce three powerful software and systems in GIS, RS, and database management.

No previous knowledge of GIS is required.

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Bootcamp Content

**DAY 1**
1.1 Introduction to Urban Resilience
1.2 Introduction to GIS
2.1 QGIS Familiarization
2.2 Basic GIS Concepts
3.1 Geo-processing Tools
5 Role of Remote Sensing in Urban Resilience

**DAY 2**
6.1 Drone Flying Demo
4 GIS for Urban Resilience
7 Introduction to Spatial Database
8 Open Source Tool for Database Management
6.2 Remote Sensing Applications in Urban Resilience

**DAY 3**
11 Open Forum
9 Spatial Queries Using PostGIS
10 Scenario Based Analysis on DRM