GNSS Training Participants

GIC GEOINFORMATICS CENTER

JANUARY NEWSLETTER
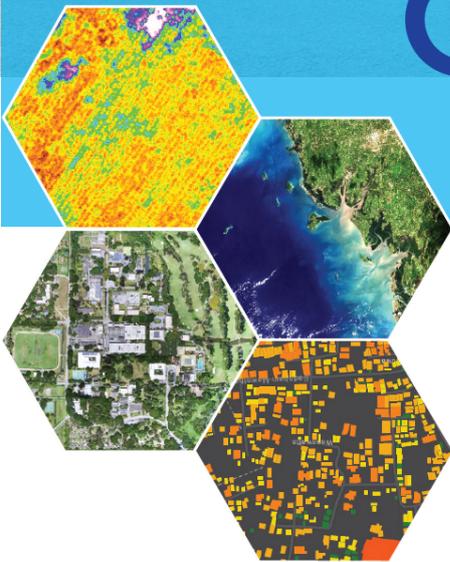
Welcome

Happy New Year 2018 and welcome to the GIC Newsletter. Our intent is to keep you better informed about the happenings at GIC. The newsletter will appear in monthly installments, highlighting the events at GIC that we think you would be interested in hearing about. This year we have a lot of exciting things planned so stay tuned to learn about it in the GIC Newsletter.

GNSS Training

The Geoinformatics Center's first GNSS (Global Navigation Satellite Systems) Training was held at the AIT Conference Center from January 23 – 26th, 2018. AIT welcomed 67 participants from 15 countries from around Asia for the four day training course. Trainers included some of the most renowned in the field of GNSS hailing from the United States of America, Japan, Australia, and Austria.

During the training course participants engaged in topics including GPS signal structure, GNSS data processing for high-accuracy, using GNSS with smart-phones, and the application of GNSS data to unmanned aerial vehicles. Participants also performed practical sessions in which they collected GNSS data in the field and processed it. They used techniques learned during lecture sessions including Differential GPS (DGPS), Real Time Kinematic (RTK) Survey, and Precise Point Positioning (PPP). Due to the success of this training course, there are plans to make it an annual feature at AIT.

Opening ceremony of the GNSS training course (January, 2018)

Participants engaged in GNSS training course (January, 2018)

Sentinel Asia Workshop/ Training in Myanmar

GIC, The Asian Disaster Preparedness Center (ADRC) and The Japan Aerospace Exploration Agency (JAXA) organized a workshop titled 'Coordination Improvement on Emergency Mapping Support, Sharing and Communication of Sentinel Asia Activities', with support from Myanmar Relief and Resettlement Department (RRD). The workshop took place on January 30, 2018 in Nay Pyi Taw, Myanmar. A total of 43 participants from Myanmar government agencies, universities and international NGOs were in attendance. Presentations were made by members from the GIC, RRD, Myanmar Department of Meteorology and Hydrology (DMH), Myanmar Information Management Unit, One Map Myanmar, and the ADRC.

As a follow-up to the Sentinel Asia workshop, GIC and ADRC led a Sentinel Asia training course at the DMH. The three day course took place in Nay Pyi Taw, Myanmar.

The training course was attended by government officers from the RRD, DMH, Myanmar Forestry Department, Myanmar Department of Agriculture, and the Myanmar Fire Service Department. The content focused on introducing the participants to the fundamentals of QGIS as well the application of the QGIS plugin for quick emergency response mapping.


Sentinel Asia workshop in Myanmar (January, 2018)

NIES Conference

3rd International Forum on Sustainable Future in Asia hosted in Kuala Lumpur (January, 2018)

A representative from the GeoInformatics Center attended the "NIES 3rd International Forum on Sustainable Future in Asia" on January 23-24 in Kuala Lumpur, Malaysia. The Conference was organised by National Institute for Environmental Studies (NIES - Japan) and co-organized by the Integrated Research System for Sustainability Science, The University of Tokyo (IR3S, UTokyo - Japan) and The Asian Institute of Technology (AIT - Thailand). The conference focused on three main topics of sustainable futures in Asia: climate change mitigation, biodiversity, and tropical ecosystems.

GIC participated in the flash poster presentations, presenting a poster titled 'Applying Space Based Technology & Information Communication Technology for Disaster Risk Reduction'. GIC also worked with the Wildlife Enforcement Monitoring System (WEMS) from AIT Solutions in creating two online web applications. These were also presented at the conference by Mr. Manesh Lacoul who talked about the importance of monitoring wildlife trafficking.
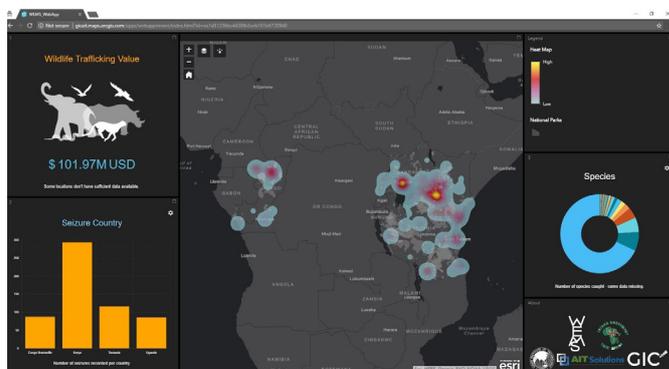
WEMS Web Application created by GIC (View the web application here)