

SeisComP3
Basic Training Course
Second Edition in America

Date: August 27th to 30th 2019

Place: Palmira, Boquete - Chiriqui, Panamá.

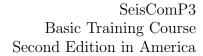
This is a basic training course usually given at gempa GmbH headuarters in Germany, this is actually the second edition of such event in America. This training session is highly hands-on oriented, and addressed to anyone interested in Seismology, and perfect for new SeisComP3 users who wish to get quickly started with a productive SeisComP3 system.

Objectives:

- Introduction to characteristics of SeisComP3.
- Installation of the latest SeisComP3 release.
- Generation of station information including responses.
- Configuration of the acquisition and processing modules through the new graphical user interface.
- Data management utilities.
- Tuning of SeisComP3 for local earthquake monitoring including the phase pickers, locator, associator and magnitudes.
- Practical training (focusing on real-time playbacks, off-line playbacks and hands-on tuning).
- Participants may bring their own datasets and use it for tuning.

Scope:

- This is a basic course focus on SeisComP3 system, it is not intended to be a Linux, programming, or system administration course.
- Also it is necessary that the participants have some level of knowledge in Seismology, basic concepts as wave propagation, earthquake location, and seismological equipment.
- The course will cover the installation and configuration on a basic level, software programming is not intended to be cover on any level.
- The maximum number of participants is 8.





TRAINING COURSE CONTENT

August 27th to 30th 2019

First day

- Welcome / Attendees Reception Branden Christensen 30 mins.
- SeisComPRO Brief Description Bernd Weber 2 hrs.
- Raspberry Shake Hardware Brief Description Branden Christensen 1 hr.

Introduction

- (a) Brief SeisComP3 description
- (b) Brief Gempa description
- (c) Brief Raspberry Shake Description GEMPA Services and products

Schema

- (a) SeisComP3 Design, Message System (scmaster y spread)
- (b) Communication Protocols
- (c) MiniSEED
- (d) MySQL
- (e) Linux
- (f) Python

Installation

- (a) Operational System
- (b) Dependences
- (c) SeisComP3 Packages Repositories (gsm Utility).
- (d) Online Help (Mailing List, Forums).
- (e) Setup



Second day

Configuration

- (a) Directory Tree
- (b) Running the First GUI, scconfig
- (c) Station Bindings
- (d) seedlink and caps, Getting a First Station
- (e) XML Inventory, Importing Dataless Metadata.
- (f) scrttv Data Display

Backup

(a) GIT Usage

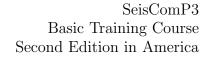
Third day

Automatic Data Processing

- (a) scautopick Configuration
- (b) scautoloc Configuration
- (c) scanloc Configuration
- (d) scevent Configuration
- (e) Magnitudes in SeisComP3
- (f) gds and quakelink Introduction
- (g) scmtv Small Introduction

Manual Event Processing

- (a) scolv
- (b) scolv Tuning
- (c) scesv and scmv
- (d) scmtv





Forth Day

Manual Event Offline and Online Playbacks

- (a) Waveform Acquisition
- (b) Configuration Import
- (c) Inventory Import
- (d) Offline Playback
- (e) Online Playback
- (f) Drag and drop of Filter Chains
- (g) Local Tuning
- (h) Feeding the Database With New Data

Wrap Up Session

- (a) Questions and Answers
- (b) Summary Conclusions and Feedback Session

Gempa Geoservices S.A. contact us at: info@gempageoservices.com +57-316-839-6205 www.gempageoservices.com