ISCOWA Training Course

Leaching Assessment and LeachXS Training

Location: "Magdalena Palace - Caballerizas" Santander, Spain
Meeting Room : SALINAS
Tuesday June 9 , 2015 (9:00 – 19:00)

Workshop Convenors:

Hans van der Sloot, David Kosson, Andre van Zomeren

Actions prior to the Workshop:

LeachXS, additional tools and install instructions will be supplied a week prior to the training. Participants are requested to uninstall earlier versions and install the supplied LeachXS Pro version on their laptops prior to the training and report any difficulties in that process.

Requirements Laptop: minimal 2 Gb RAM, Windows operating system, screen minimal 1024x768, Java JRE 8, Microsoft Dot.net Framework.
A license key valid for 3 months will be supplied with the software (validation requires connection to internet)

Workshop duration: 1 day

The LeachXS program,supplementary tools, an installation guide and a license key will be sent to participants in the week prior to the Conference.

Tuesday Morning.

9:00 - 10:30 Introduction

Welcome and participant introduction

Background of LeachXs and test methods (powerpoint presentation)

Leaching assessment overview

- Development and structure of the LeachXS ORCHESTRA system
- Leaching data comparison – comparing materials
- Link with standardised leaching test methods
- Comparison with regulation
- Tiered approach in testing
- Comparison lab to field
- Statistical evaluation of data
- Geochemical modelling - CSF
- Mixture modelling
- Scenario model definitions

Coffee break from 10:30 – 11:00

11:00 - 12:30 LeachXS training

LeachXS installation verification & introduction to LXS Manual

1. Switching between databases
2. Extracting test data from the database for comparison of test data
   i. pH dependence and percolation
   ii. pH dependence and monolith leaching
3. Case file structure in LeachXS (export and import)
4. Export data to Excel
5. Export graphs to Word

Tuesday Afternoon.

14:00 - 15:00 LeachXS training

1. Input tool for own data
    i. pH dependence test data
    ii. batch test data
2. Statistical data evaluation
3. Intro to chemical speciation modelling (CSF, etc.)

15:00 - 15:30 Coffee/ Tea Break

15:30 - 17:00 LeachXS training

1. Chemical speciation - pH dependence test
2. Dynamic release - Percolation test
3. Overview of other models

17:00 - 17:30 Wrap up and closure

a. Questions
b. Discussion of participant modelling needs

17:30 – 19:00 Time for individual exchange/ questions