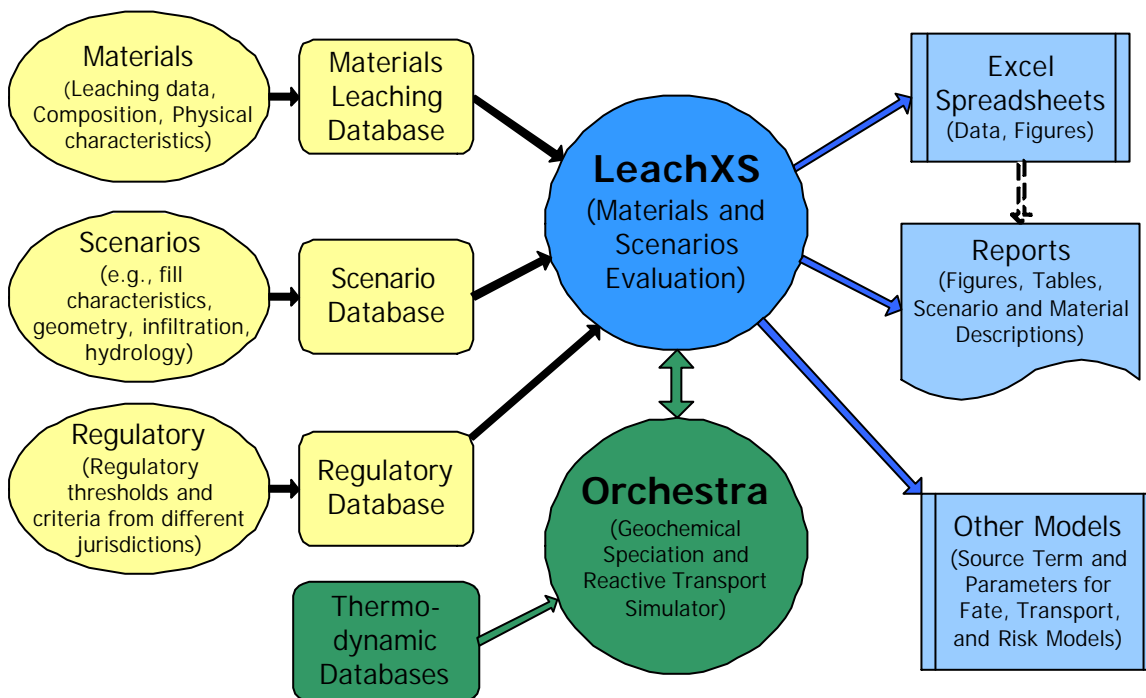18/12/2005

WORKSHOP/TRAINING LeachXS

Location: SAVA CENTER BELGRADE

The LeachXS database/expert system (Orchestra embedded) has been developed jointly by ECN (The Netherlands), Vanderbilt University (Nashville, USA) and DHI (Denmark) with the aim to couple a large number of aspects relevant to judgement of leaching or release behaviour of inorganic constituents, organic contaminants and radio-nuclides from a wide range of different materials to a range of potential receptors (human exposure, biota, micro-organisms, soil, surface - and groundwater). In this approach chemical speciation plays a key role as that is the main factor deciding mobility of species. Chemical reaction/transport is facilitated through targeted scenarios using the object oriented modelling environment Orchestra as the core tool.

The system is designed such that it can take many kinds of test data: composition, laboratory leaching/ extraction test data, lysimeter data, field data. It also contains regulatory criteria for different applications. This part can be expanded in the near future for various other applications and jurisdictions. Data input tools are provided. Output is to MS Excel.

Structure of LeachXS (further information www.leachXS.org)

The Workshop/training session is aimed at potential users of the expert system. For those who want to actively participate, it will be necessary to bring a laptop with at least 256 Mb RAM and 1.6 Ghz clock speed. LeachXS will be installed and training of the use of the program will be provided. The session participation must be limited to 15 - 20 people to ensure optimal transfer of information.

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Information will be provided on the installation and use of the data/base expert system, data retrieval for comparison of test data , modelling chemical speciation, and on data conversion and data input in the database.

The software is still in development and therefore it was decided to work on an annual subscription fee basis, which entitles a user to receive updates of the software and extension of the public domain database. These updates include new scenarios of release for different application and uses of materials, as well as further improvement in data presentation and handling. Scenarios in development include: road construction sub-base, embankment, landfill, monolithic waste landfill, drinking water pipes, treated wood constructions, multilayer applications, oxidation of mining waste, monolithic structures, design of release from material mixtures, etc.
After a trial period of one month a full license can be obtained and a more extended version of LeachXS can be obtained. Under the license a user is entitled to install the program on two computers. The software automatically checks the validity of the license. This implies that regular connection to the internet is a prerequisite.

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Form of interest in participation:

I am interested in participating in this training of LeachXS

Name:
Affiliation:
Address
Email
Phone
Fax

I am interested to bring my laptop   yes/ no

Send this info to .....iscowa-ttp@hetnet.nl.......or fax 0031-43-6014039...............