



FEATURES

- Fully automated procedures
- Windows applications
- Prepare data files for SMARTQuake®

SMARTOffline is an automated program to retrieve large numbers of files from a number of disks returned from the field in temporary or permanent deployments of recording instruments, and subsequently to convert the data into popular seismological formats like **SUDS, SAC, SEG-Y, SEED, CSS3.0, MatLab®, MiniSEED or SEISAN**. The files are supposed to be recorded with Geotech's **SMART-24R®** or **DL-24** data loggers, but other recorders can be easily accommodated. The Central Recording Station does the Online data acquisition from and **SMART-24D®** and/or **DR-24** digitizers, forwards data in **CD1.1** protocol to **NDC**, communicates with other data hubs using **Earthworm, LISS** or **SeedLink** protocols, runs **SMARTQuake®**, and uses **SeisPlus** for interactive data analysis.

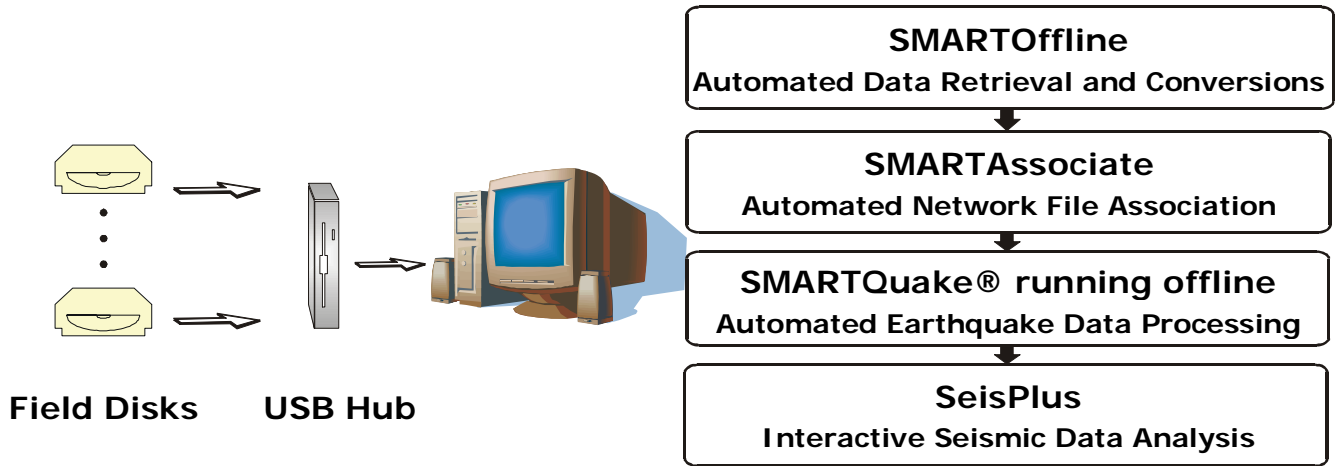
SMARTOffline Data Retrieving and Conversion Tool

The screenshot shows the 'SMARTOffline Data Retrieval and Conversion' dialog box. It contains the following sections:

- Input:**
 - Recorder Type: SMART-24R, DL-24
 - Input data locations (drives or folders): Delete input data after saving to the local database
 - Change List button
- Output:**
 - Home folder of the local database: Overwrite existing files
 - Format selection:
 - SUDS format
 - SAC format
 - PASSCAL SEG Y format
 - SEISAN format
 - Mini-SEED format
 - MATLAB format
 - CSS3.0 format
 - SEED format: Calibration folder (optional):
 - ASCII format: Single channel files:
 - Home folder for mirrored raw data: Keep a copy of raw data

SMART Offline and Online Data Flow Diagrams

SMART Offline Data Acquisition and Processing System



SMART Real-Time Data Acquisition and Processing System

