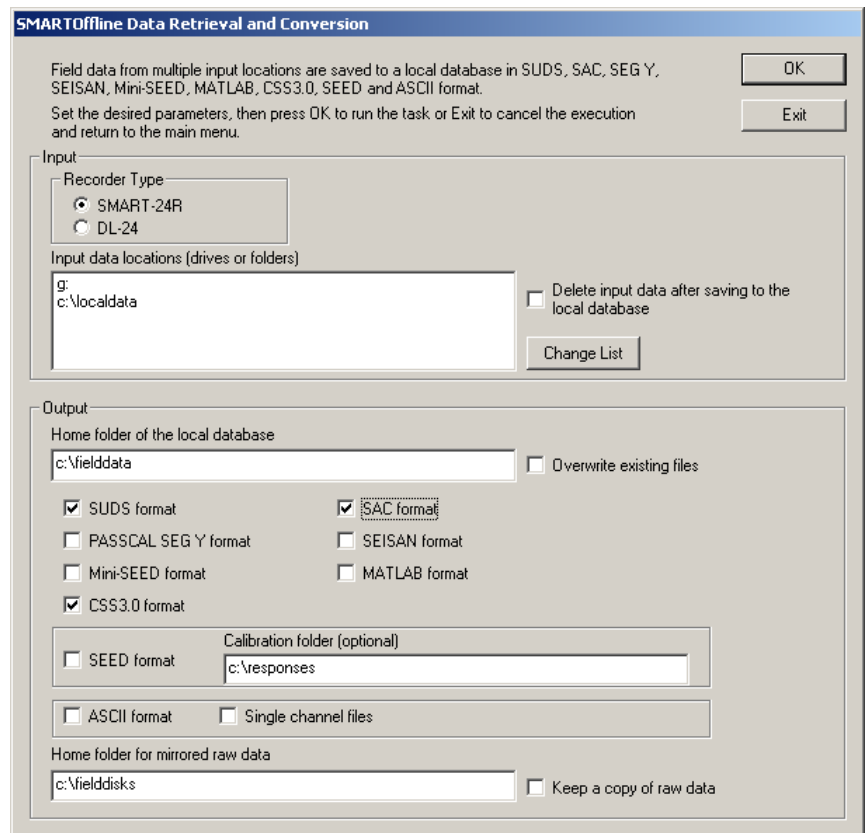


## FEATURES

- 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/IDC**, accepts/sends data from/to **Earthworm** systems, sends data to USGS' **LISS** clients, runs **SMARTQuake®**, and uses **SeisPlus** for interactive data analysis.

## SMART Offline and Online Data Processing Solutions



**SMARTOffline Data Retrieval and Conversion**

Field data from multiple input locations are saved to a local database in SUDS, SAC, SEG Y, SEISAN, Mini-SEED, MATLAB, CSS3.0, SEED and ASCII format. OK

Set the desired parameters, then press OK to run the task or Exit to cancel the execution and return to the main menu. Exit

**Input**

Recorder Type  
 SMART-24R  
 DL-24

Input data locations (drives or folders)  
g:  
c:\localdata  Delete input data after saving to the local database  
Change List

**Output**

Home folder of the local database  
c:\fielddata  Overwrite existing files

SUDS format  SAC format  
 PASSCAL SEG Y format  SEISAN format  
 Mini-SEED format  MATLAB format  
 CSS3.0 format

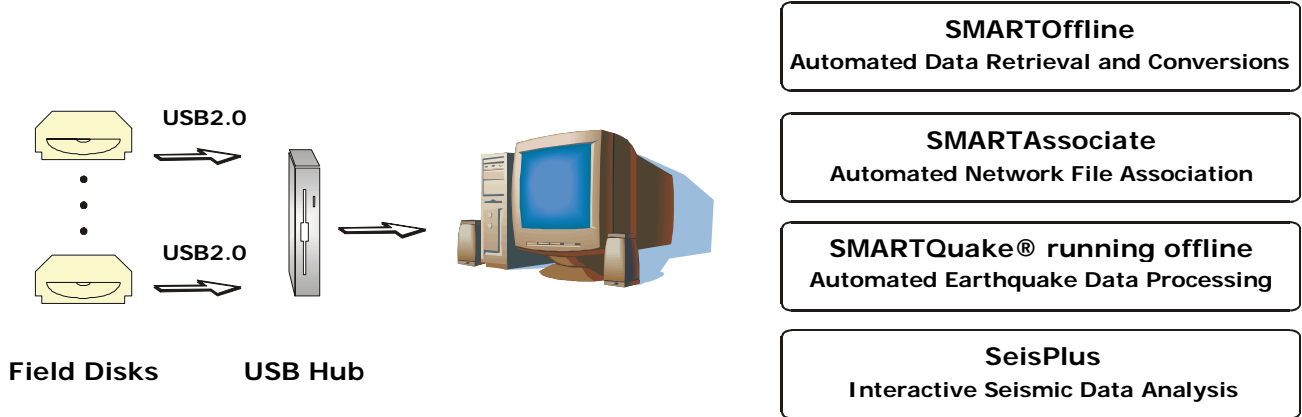
SEED format Calibration folder (optional)  
c:\responses

ASCII format  Single channel files

Home folder for mirrored raw data  
c:\fielddisks  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

