

Data Management Client

DataLoad

Current thinking is to write some 'standard' converters which will convert some of the ubiquitous legacy data-set types (ie. TNC plots) to an xml format which then can be viewed by the data preparer and loaded to the database via the database loading module

Legacy Plots Data
(TNC, NFS etc..)

Data Parser

XML?

Current Data

XML?

Plot/Plant Data
Viewer/Editor

Plot/Plant DB
Loader

Historical Plant
Taxa Data

Currently, it is planned to convert the plant taxa to XML before being loaded to the DB, although the existence of plant data in an XML holds no real value since there is little chance of other applications using data in this format and there is no tangible need to view this data. Instead, we may write loaders that load a few standard formats (i.e.. PLANTS, ITIS) into the database directly

Have not given too much thought to the authentication function. Possibly, it will be an addition of a table in the plots database containing party identifiers and that party's respective privilege.

Authentication

DataBase

NVC

Current
Community
Lookup

National
Plots DB

Current
Taxa
Lookup

Local
Plants DB

DataAccess

A group of classes which query the database and return (possibly in XML, which can be transformed) plot/plant taxa information. The 'base' classes will be written so that they can be easily adapted/modified/extended in order to change the queries without much new code generation.

Data Access Module

Community Access

PlotsAccess

PlantAccess

JDBC

Authentication

Discovery

The interface tools have not yet been scoped, but it is anticipated that functionality will include but not be limited to: data/txt editor, spatial editor

Current options for local storage include:
flat ascii files
XML files
RDBMS, possibly shipped with Client software

Desk Top
Application

Web Access
Servlet

Local Storage