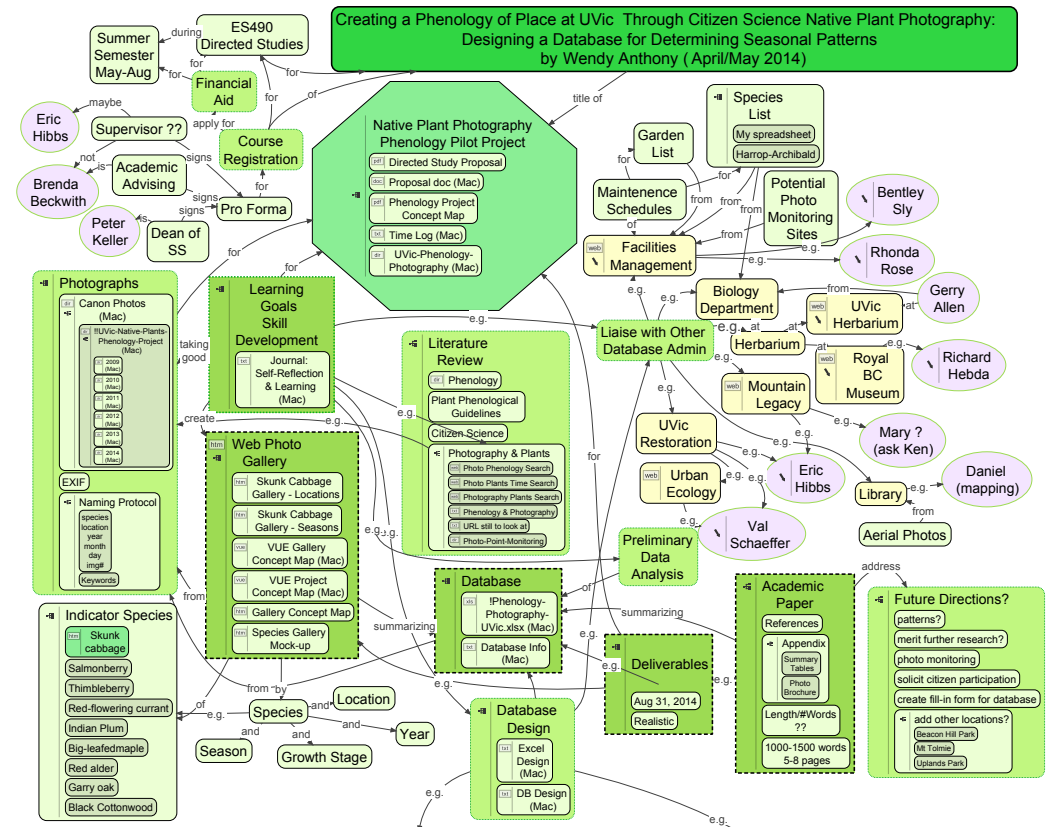


**Creating a Phenology of Place at UVic Through Citizen Science Native Plant Photography:
Designing a Database for Determining Seasonal Patterns**
by Wendy Anthony (April/May 2014)



Database Design Draft of Relational Tables Structure

Photo	Location	Plant	Species	Weather
<ul style="list-style-type: none"> Photo # Filename-origin Filename-new Web URL link Description Location # Time <ul style="list-style-type: none"> Date Time-of-day Season EXIF <ul style="list-style-type: none"> Focal Length Isfp Exposure Aperture Plant ID# Associated Life <ul style="list-style-type: none"> Grid ID# Animal ID# Associated Plant ID# 1 Associated Plant ID# 2 Field Notes Verification Needed? <ul style="list-style-type: none"> Yes No 	<ul style="list-style-type: none"> Location # Long Lat Elevation Aspect Location Name Environment <ul style="list-style-type: none"> Ecotype Maintenance Schedule Associated Phenomena Comments 	<ul style="list-style-type: none"> Plant ID # Species ID # Leaf Growth <ul style="list-style-type: none"> % Growth - Flower Dormant Bud Set Bud Sweet Leaf Opening Starting to Grow Full Leaf Full Colour Leaf Fall Flower Growth <ul style="list-style-type: none"> % Growth - Leaf Dormant Bud Bud Open Flower Open Full Flower Flower Dying Dead Flower Fruit Cone % Canopy Cover Plant Description <ul style="list-style-type: none"> Age Height Circumference 	<ul style="list-style-type: none"> Species ID# Names <ul style="list-style-type: none"> Common Name Alternate Names Latin SENCOFEN Plant Type <ul style="list-style-type: none"> Tree Evergreen Tree Deciduous Shrub Perennial Annual Bulb Tuber 1st Nations Seasonal Round Assoc Ecosystem Uses 	<ul style="list-style-type: none"> Date Temp Precip Sky Cloud Wind Notes

- What I Want From Database?**
- Which photo has ... ?
 - Specific plant species
 - Specific location
 - Date / Range / Season
 - Weather
 - Growth Stage
 - Populate
 - Drop-Down Lists
 - Report
 - Photo Gallery
 - Compare
 - Years
 - Seasons
 - Time Range
 - Locations
 - Interval between leaf bud/fall
 - Analyze
 - Start Dates
 - Date Ranges
 - Change
 - Apply Database To Other Data
 - Plants in Different Location
 - Grids
 - Invasive Species
 - ArcGIS