



# VRI Phase II ... and Beyond

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# Overview

- VRI Phase II Ground Sampling
- Net Volume Adjustment Factor
- VRI Phase I Adjustment
- VRI Phase I Databases



# Questions and Answers

- VRI Phase I Photo Interpretation
  - What and where is the resource?
- VRI Phase II Ground Sampling
  - How much of the resource?
- Net Volume Adjustment Factor (NVAF)
  - What is the unbiased net merch volume?



# VRI Phase II Ground Sampling

- Land Base Stratification
  - Non Vegetated
  - Vegetated Non Treed
  - Vegetated Treed
- Probability Proportional to Size With Replacement (PPSWR)

# Timber and / or Ecological Attributes





# Net Volume Adjustment Factor

- Stratify by Species
  - Spruce / Pine / Douglas-Fir
  - True Firs
  - Hemlock
  - Cedar
  - Immature
  - Dead
- Net Merchantable Tree Volumes

# Decay and Volume Sampling



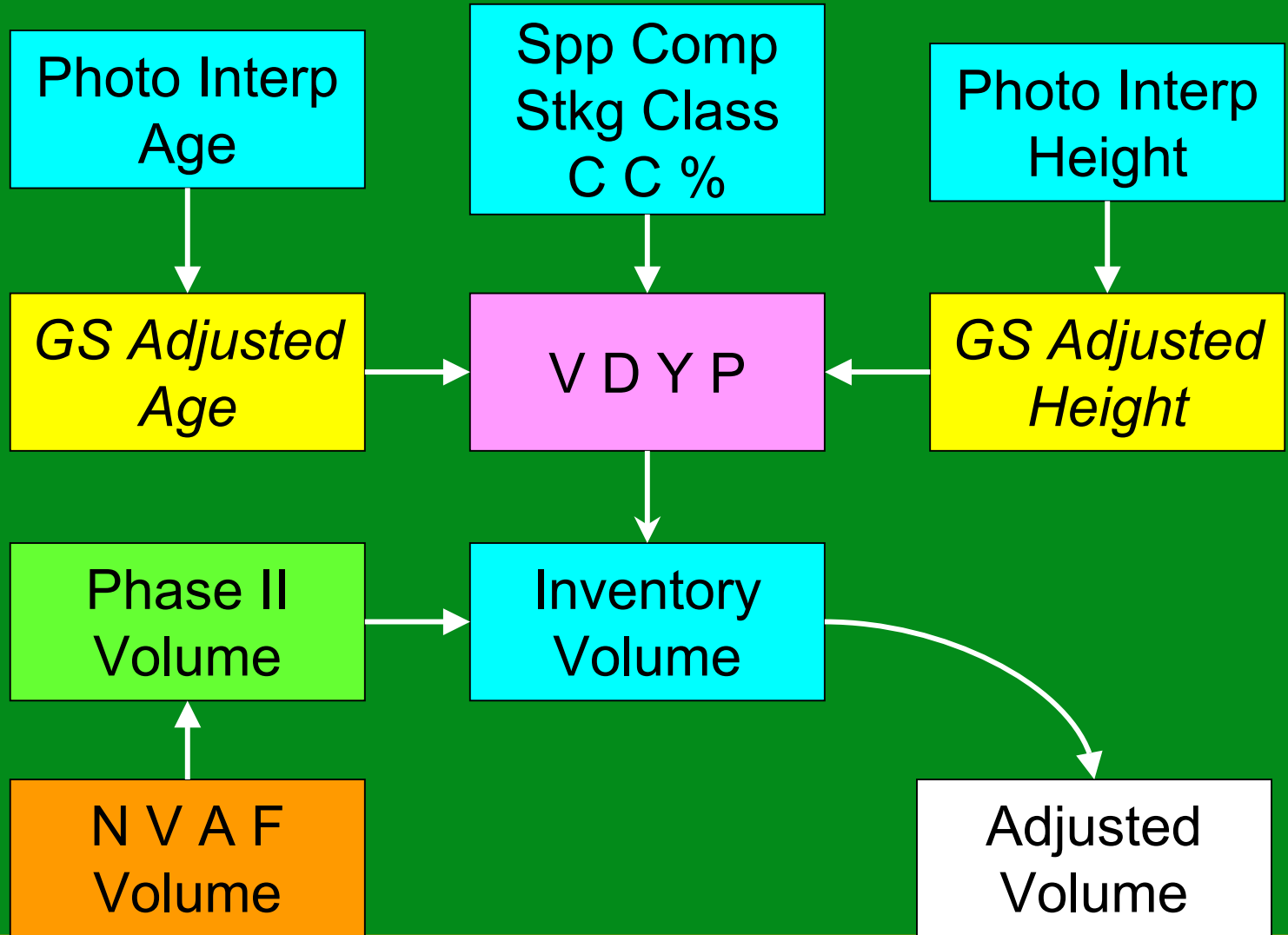


# Volume Adjustment

- Phase I Adjusted By Phase II
  - Leading Species Height
  - Leading Species Age
  - Leading Species Volume
  - Rank 1 Layer Only
- Phase II Adjusted By NVAF
  - Estimated Volumes
  - Actual Volumes
  - BEC-Based Kozak's Taper Equations



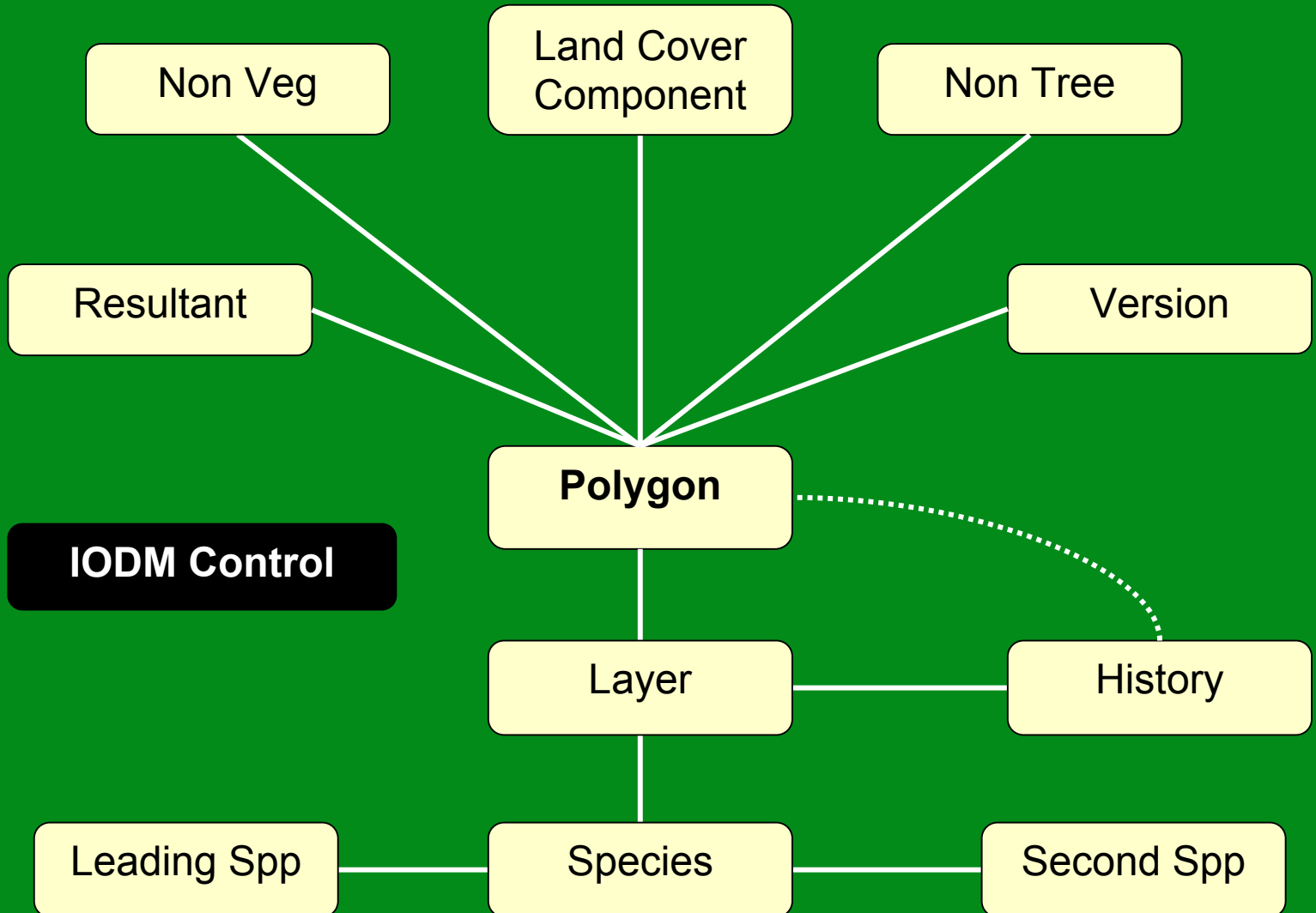
# Well Adjusted Volume



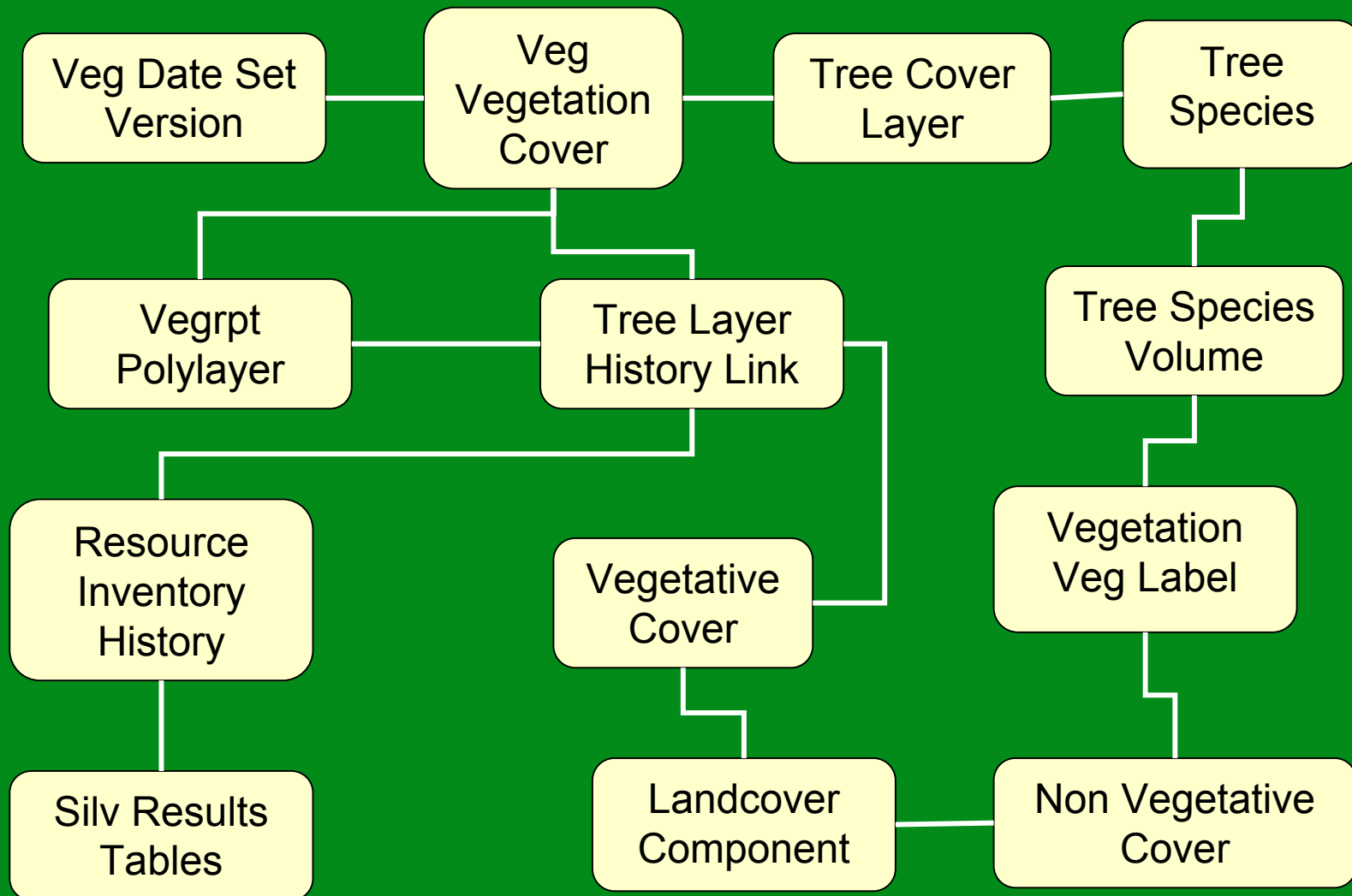
# VRI Phase I Databases

- Vegetation Cover Attribute Program (VegCAP)
- SDE Oracle
- ArcInfo Export
- New VRI Format

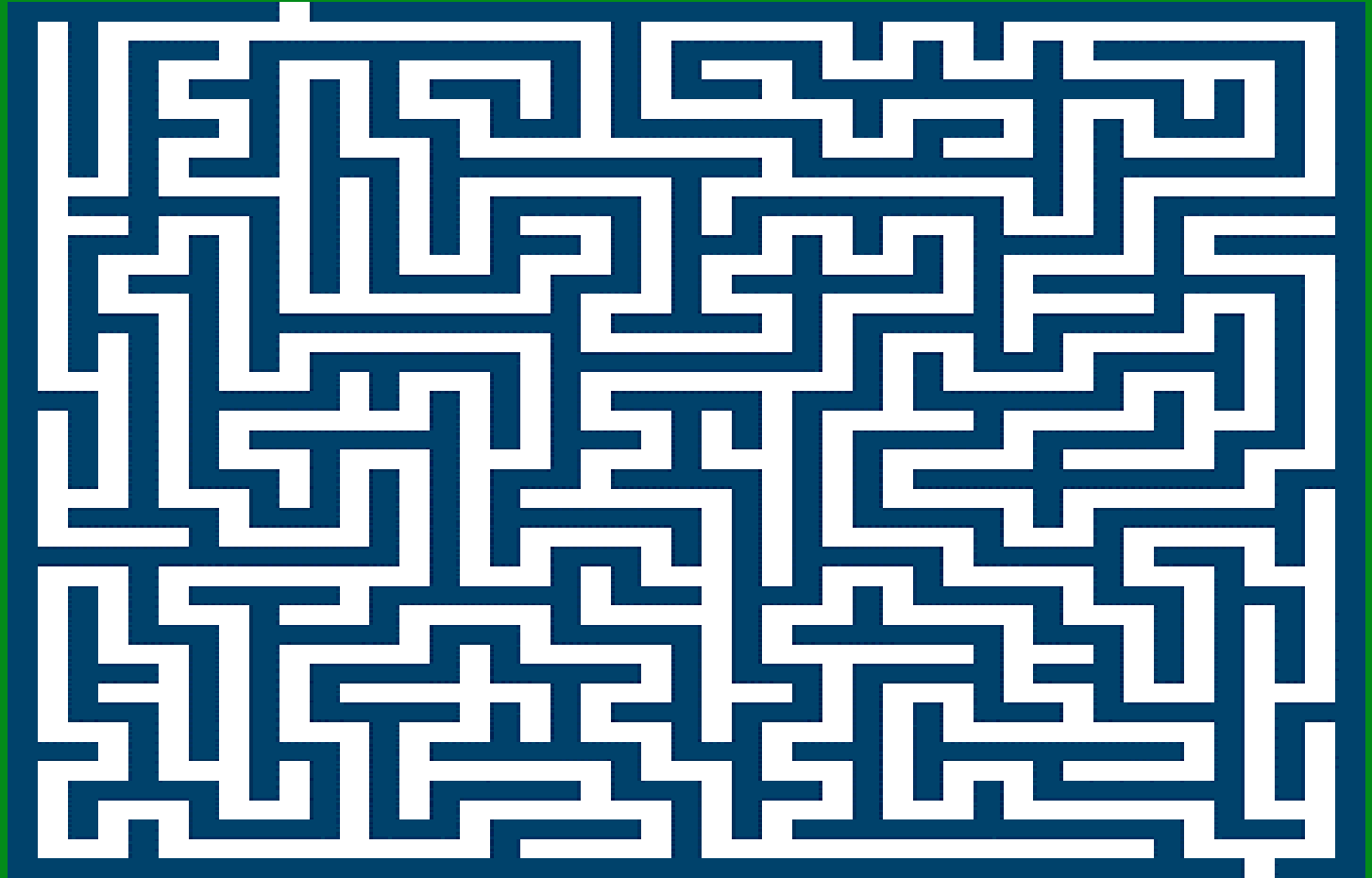
# VegCAP Structure



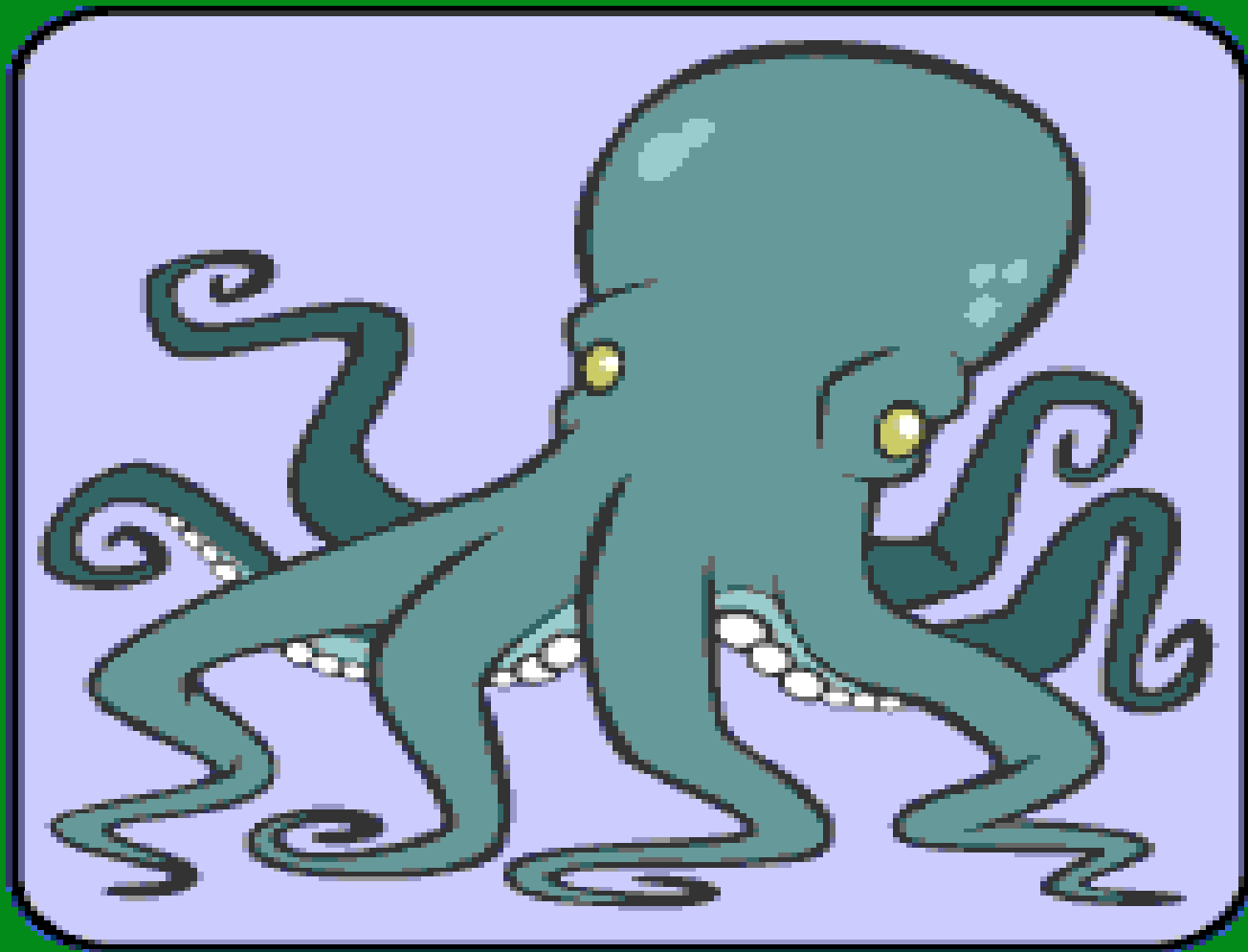
# Oracle Structure



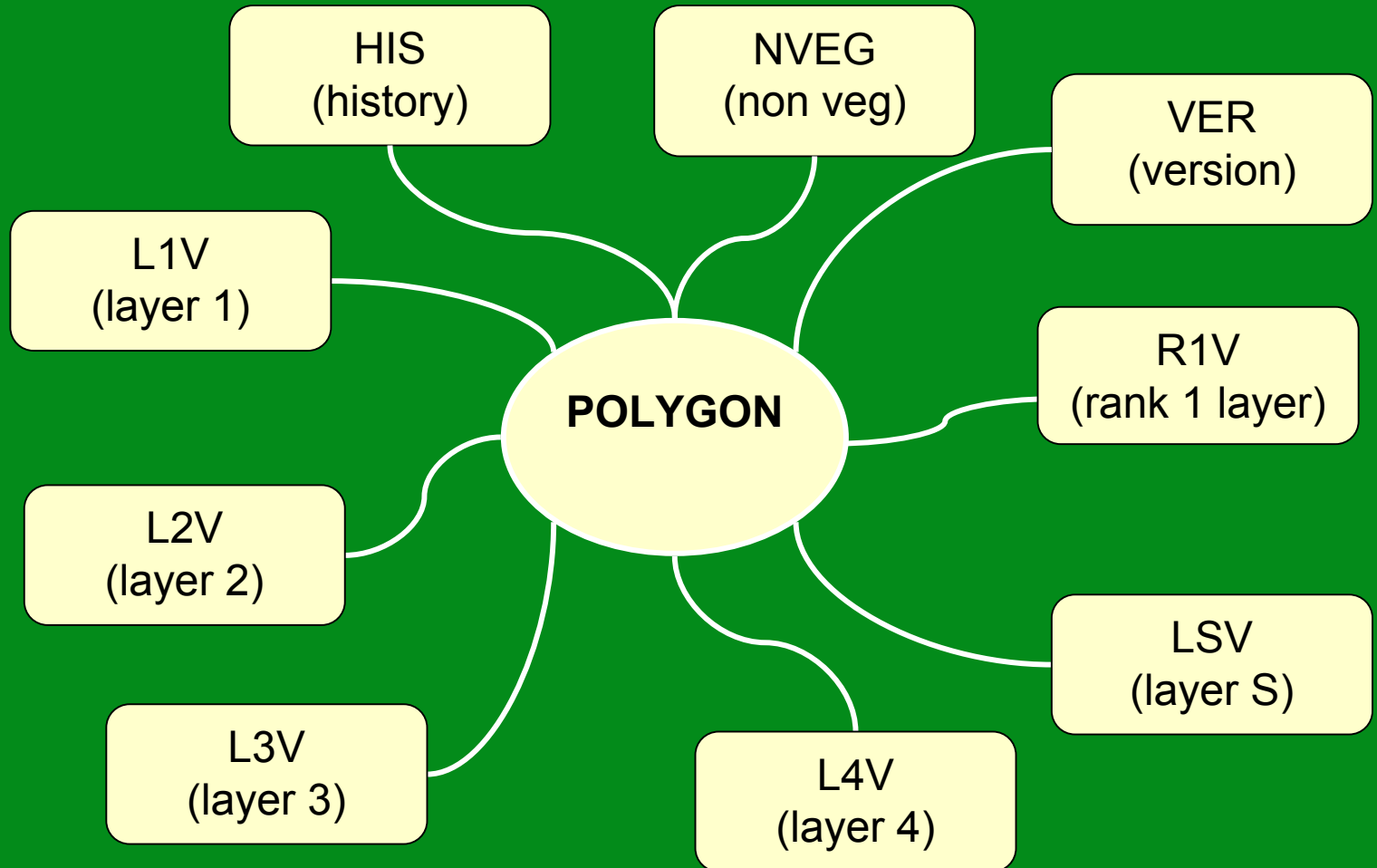
# SDE Oracle



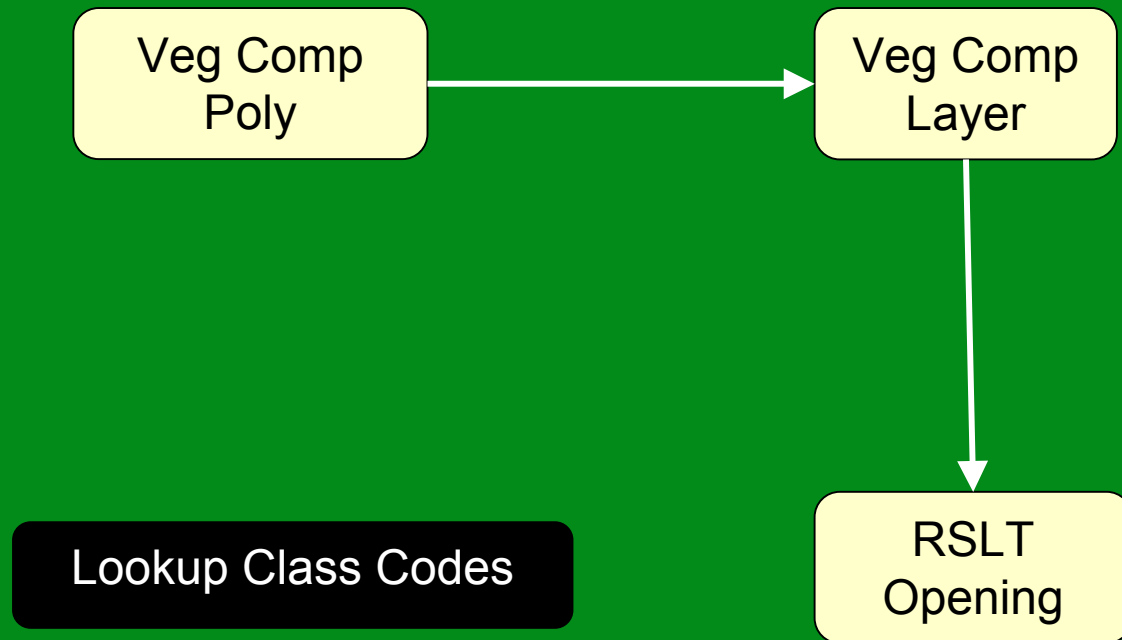
# ArcInfo



# ArcInfo Structure



# Proposed New VRI Format





# Questions, Comments, Conundrums

