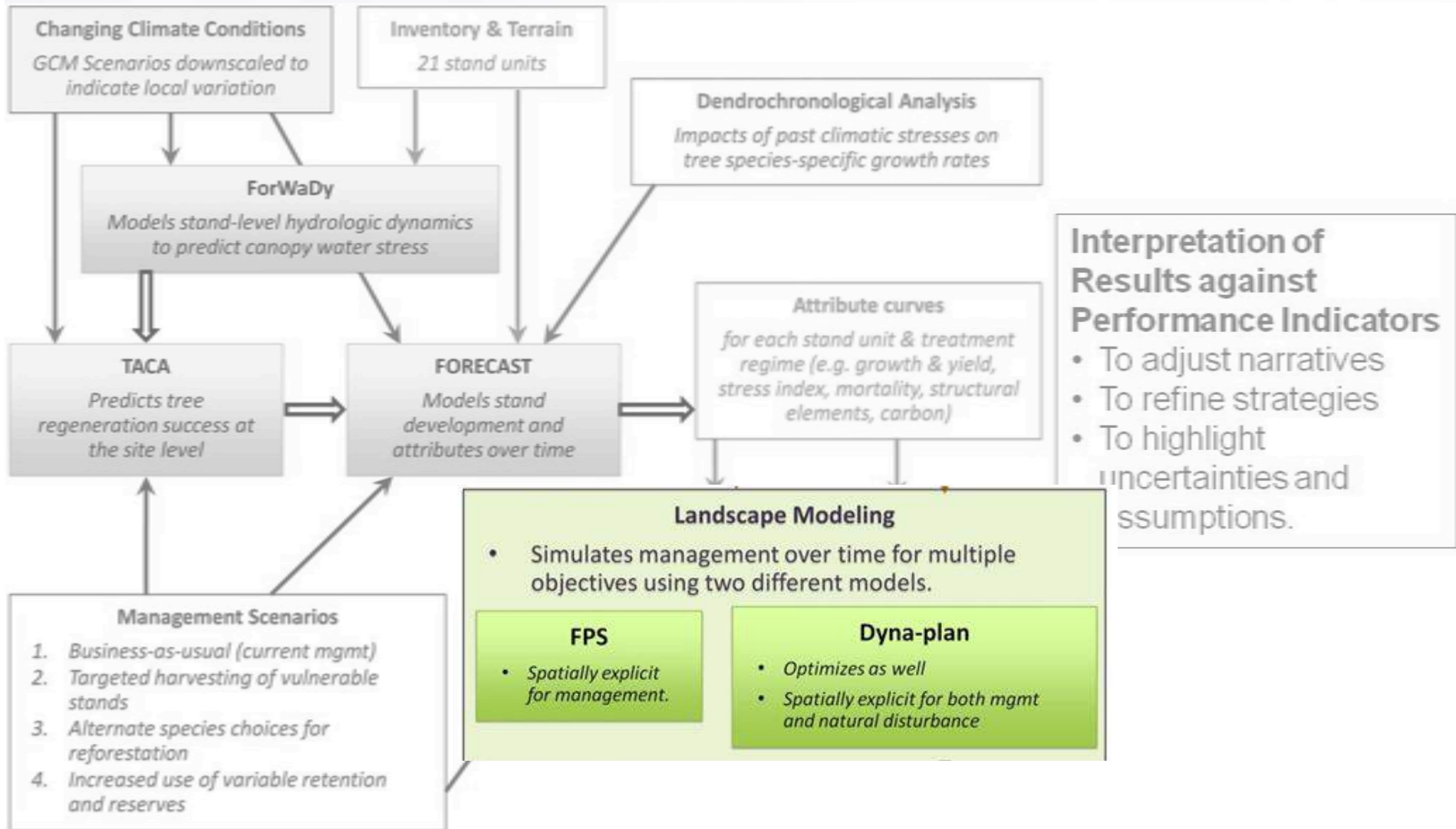
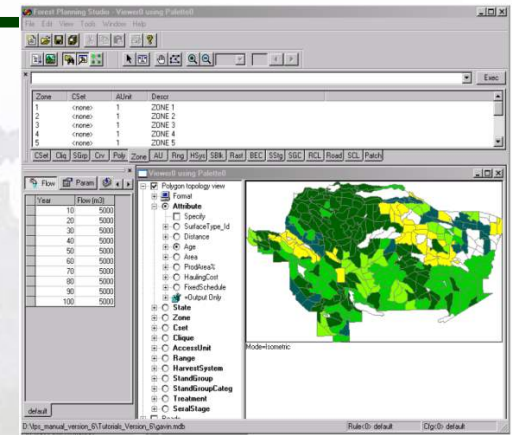


# Overview of completed work: Modeling Suite and Approach



# Landscape Level Outputs: Forest Planning Studio (FPS)



## A simulation model:

- **Widely tested throughout BC (formerly known as ATLAS)**
- **FPS will model scenarios in 3 static time steps** – the current situation; and projected climate in 2050 and 2080.
- **Stand Unit data from FORECAST will drive the results.**
- **Natural Disturbance** – a simple non-spatial approach will incorporate changes over time for each scenario.
- **Timber Harvesting** – based on scenario and typical TSR parameters.

Landscape Level Outputs:

## Dynaplan

An optimization & simulation model:

- Links local stand decisions to larger landscape and process dynamics – to “optimize” harvesting plans.
- Can track back to see how the optimal strategy was chosen.
- **OUR FOCUS** – to use its unique features to spatially model:
  - Fire disturbance together with harvesting over time.
  - Retained stand structure for biodiversity



## **Project Outputs:**

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- 1. Modeling output summaries and interpretations.**
  - **With summary of necessary simplifications, assumptions and uncertainties.**
- 2. Summary of projected sensitivities and vulnerabilities based on the Business-as-usual scenario.**
- 3. Revised adaptation strategies (from K1) with rationale.**
- 4. Revised ecological unit narratives (from K1) with and without management adaptive strategies.**
- 5. Recommendations for implementation and future planning.**
- 6. Project roadmap with lessons learned.**



## Timeline:

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1. Landscape Modeling - **July to Sept**
  - building in the stand level information.
2. Review, results, interpreting data etc – **Sept/Oct**
3. Meeting to review results with clients - **Early November**
4. Reports and other Outputs – **October to December 31**

