Species specific probabilities within a multi-species framework.

Legend:
- Unmeasured (green)
- Outcome (orange)

Top diagram:
- Luminence → Rodent activity
- Precipitation → Rodent activity
- Rodent age → Rodent activity
- Food availability → Rodent activity
- Rodent activity → Probability of detection
- Rodent activity → Trap engagement.
- Rodent abundance → Probability of detection
- N trap nights → Trapping effort
- Trapping effort → Probability of detection
- Trap engagement.
  1. Bait appeal
  2. Trap condition
  3. Trap positioning
  → Probability of detection

Bottom diagram:
- Nest availability → Biotic factors
- Food availability → Biotic factors
- Predator presence → Biotic factors
- Species competition → Biotic factors
- Land use → Biotic factors
- Biotic factors → Probability of occurrence
- Abiotic factors → Probability of occurrence
- Soil type → Abiotic factors
- Elevation → Abiotic factors
- Hunting → Anthropogenic factors
- Anthropogenic factors → Land use