

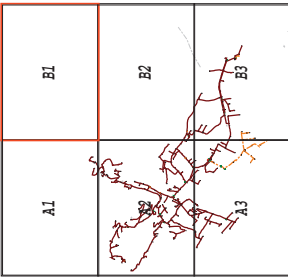
A topographic map showing a coastal area. A red boundary outlines a specific region in the upper right. The map features contour lines, a road, and a river. Labels include 'Costa Crest' and 'Costa Meadows'. A small circle with a dot is located within the red boundary. The map is oriented with North at the top.

[illegible]

The diagram illustrates the proposed framework for the multi-modal multi-criteria decision-making problem, organized into three main stages: Data Collection, Data Preprocessing, and Decision Making.

- Data Collection:**
 - Real Data:** Represented by a pink line graph.
 - Expert Data:** Represented by a blue line graph.
- Data Preprocessing:**
 - Data Cleaning:** Involves removing outliers and missing values, represented by a green line graph.
 - Data Normalization:** Standardizing data, represented by a green line graph.
- Decision Making:**
 - Criteria Weight Calculation:** Involves calculating criteria weights using entropy and fuzzy logic, represented by a green line graph.
 - Aggregation:** Combining criteria weights and normalized data, represented by a green line graph.
 - Ranking of Alternatives:** The final output, represented by a green line graph.

The diagram also includes a legend for the data types and a flowchart for the decision-making process.

[illegible]

