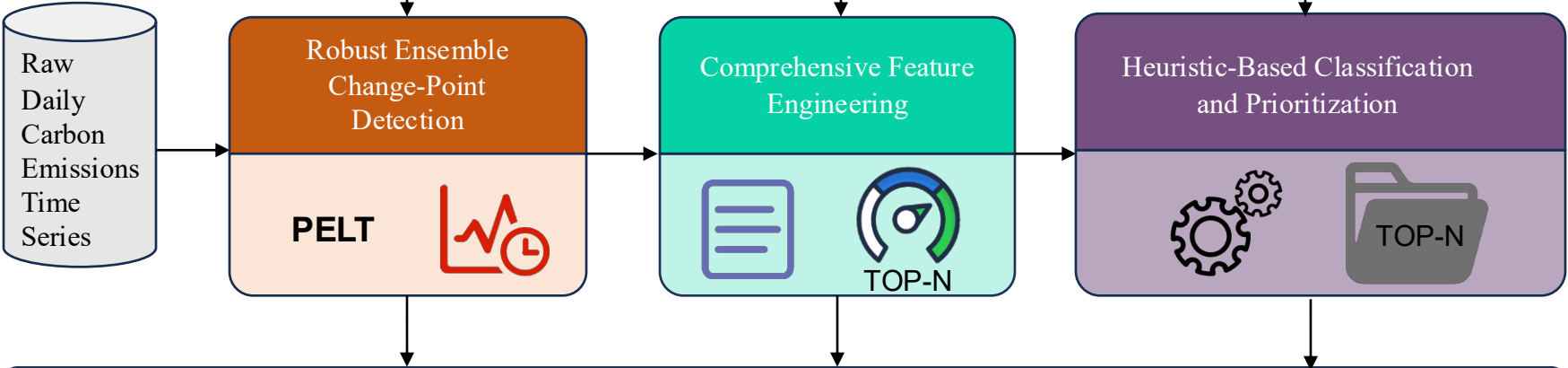


Construct a dataset that combines high-frequency daily carbon emissions time series with contemporaneous AI-validated socioeconomic, policy, and environmental event text descriptions.

## Stage 1 Enhanced Change-Point Detection and Characterization



## Stage 2 AI-Augmented Event Text Retrieval and Alignment

