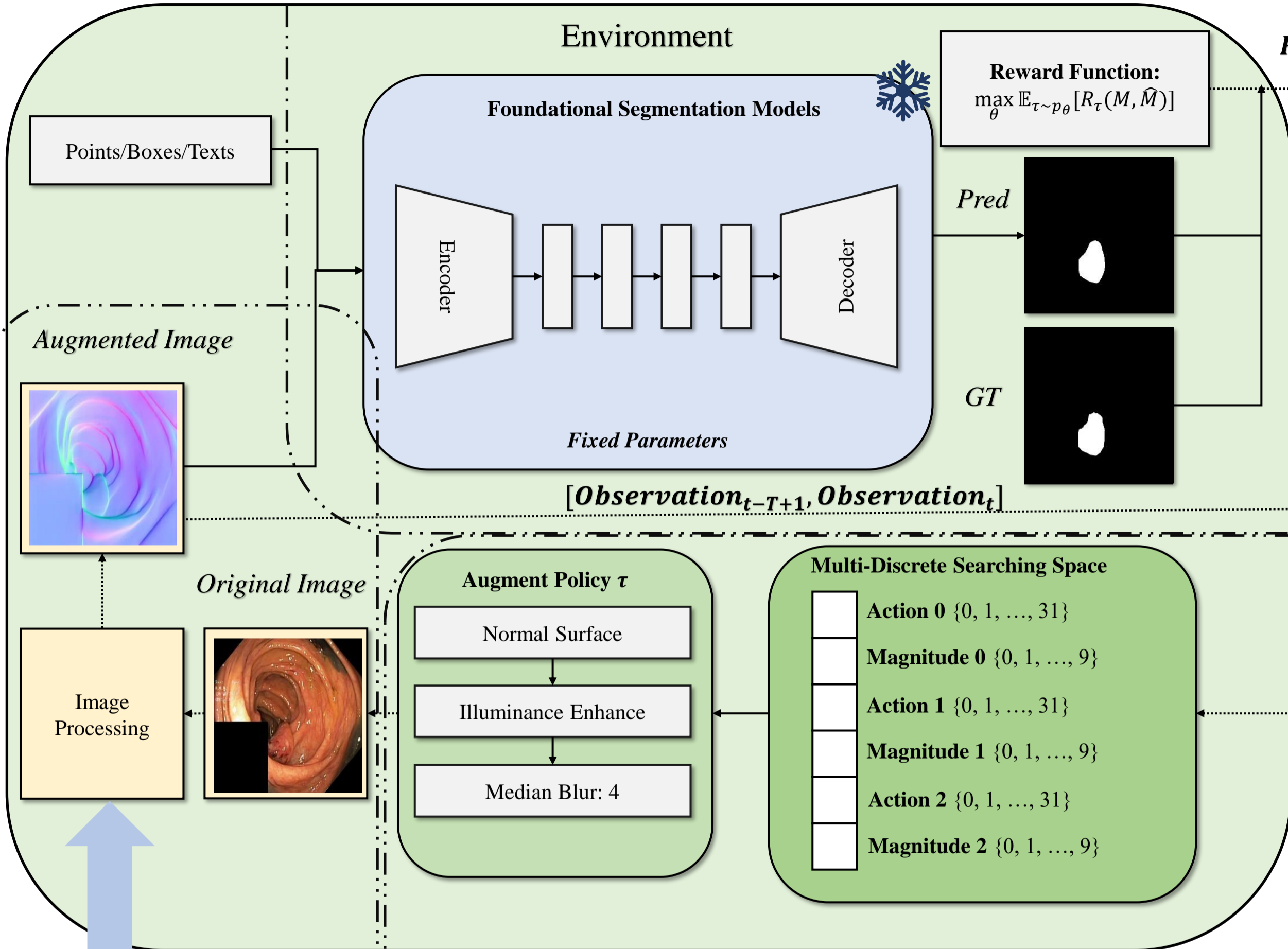
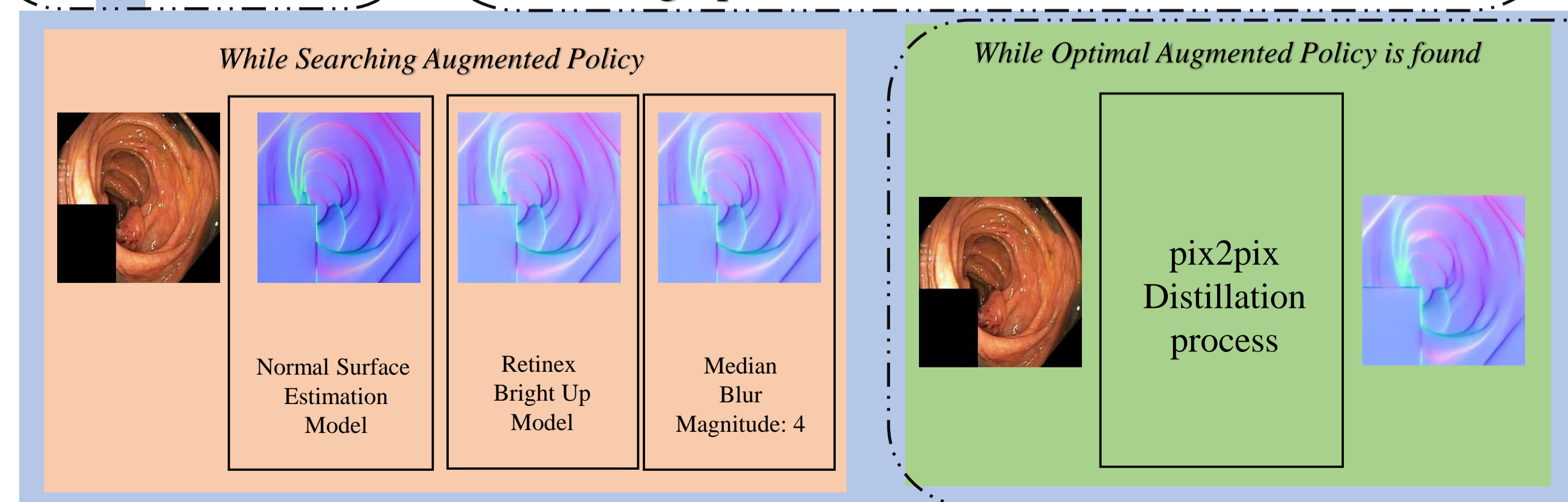


Step3: Put augmented image into foundational segmentation model to calculate reward.

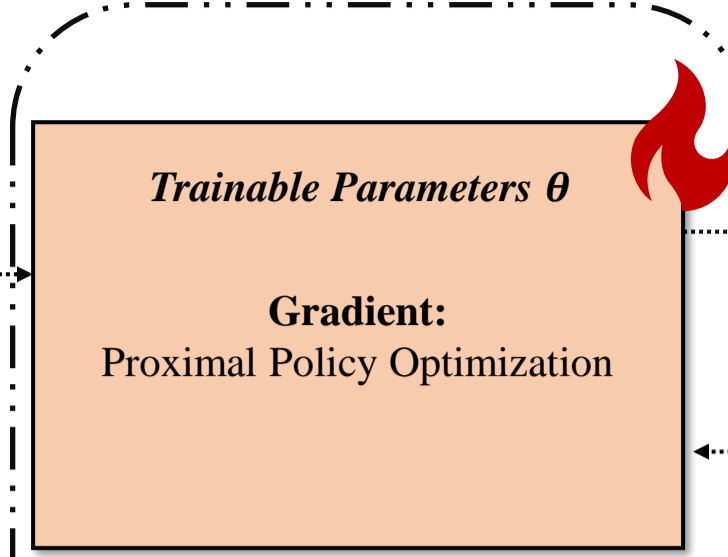


Step2: Follow action to augment image.

Step1: Map methods selected from Heterogeneous Searching Space.



Reward_t



Step4: Predict next Action and get back to step 1.

Observation_t

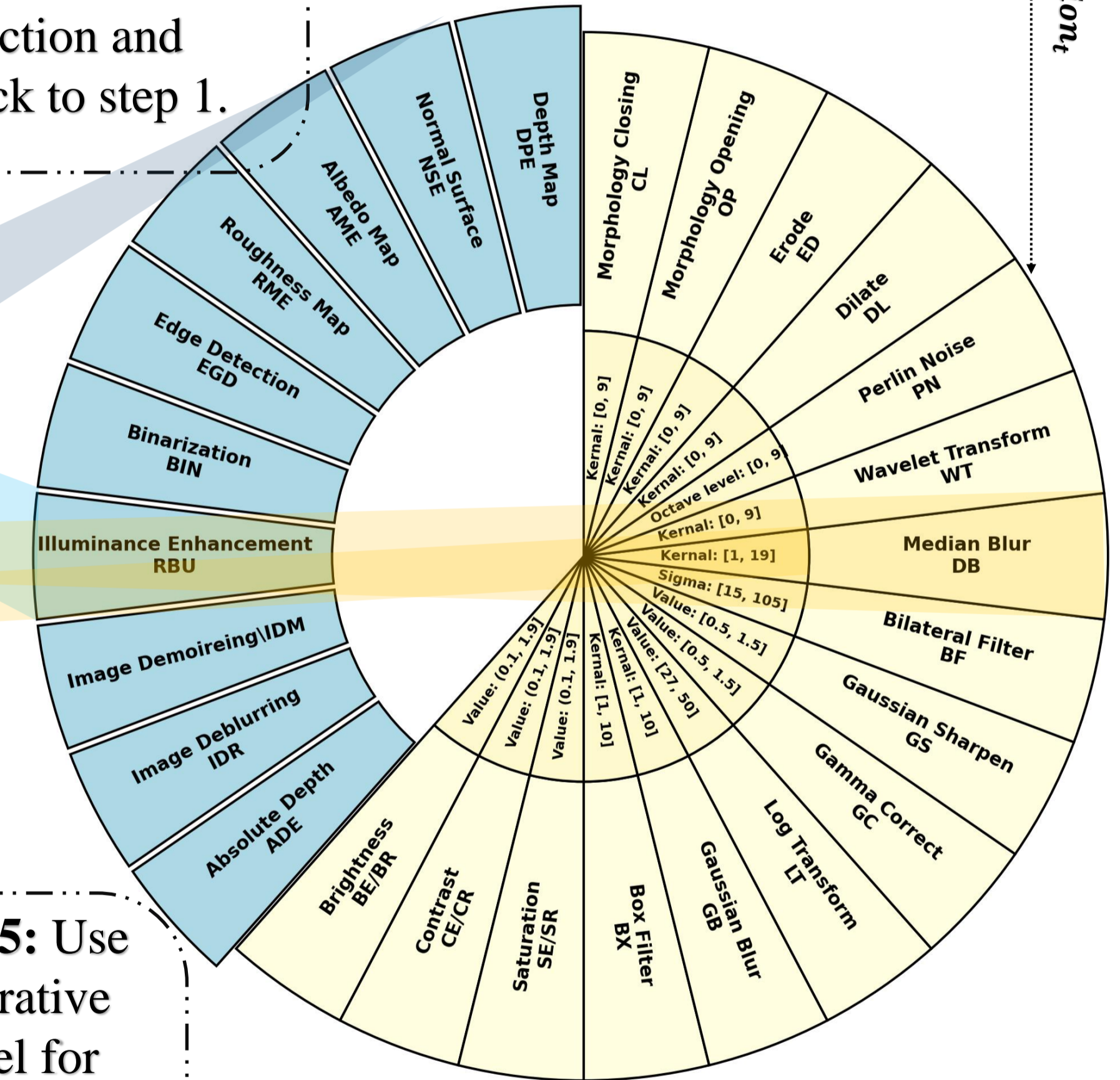
Action_{t+1}

LSTM

Searching Space

Action_t

17
-
21
-
15
4



Step5: Use generative model for augmentation.

Heterogeneous Action Space consists of 10 kinds of learning-based methods without magnitude and 22 kinds of rule-based methods with corresponding magnitudes.