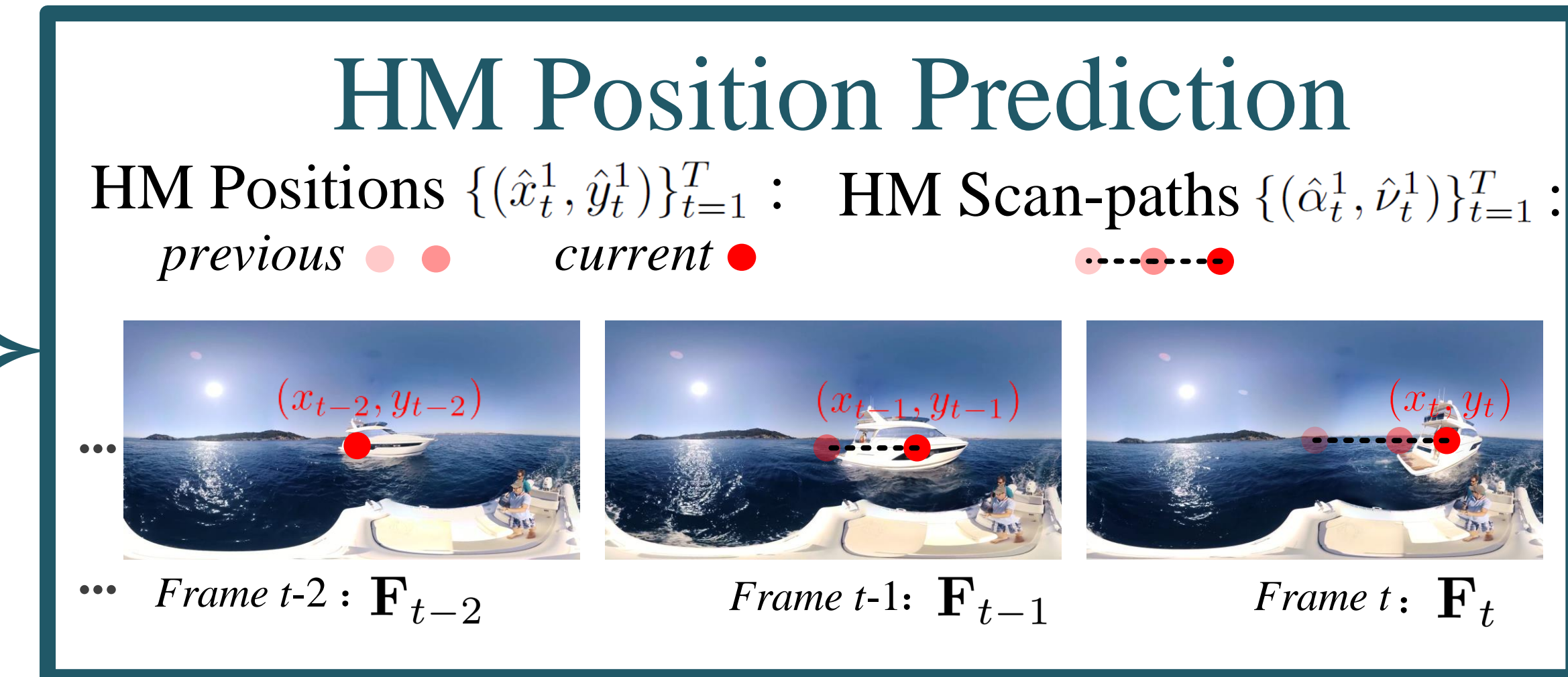
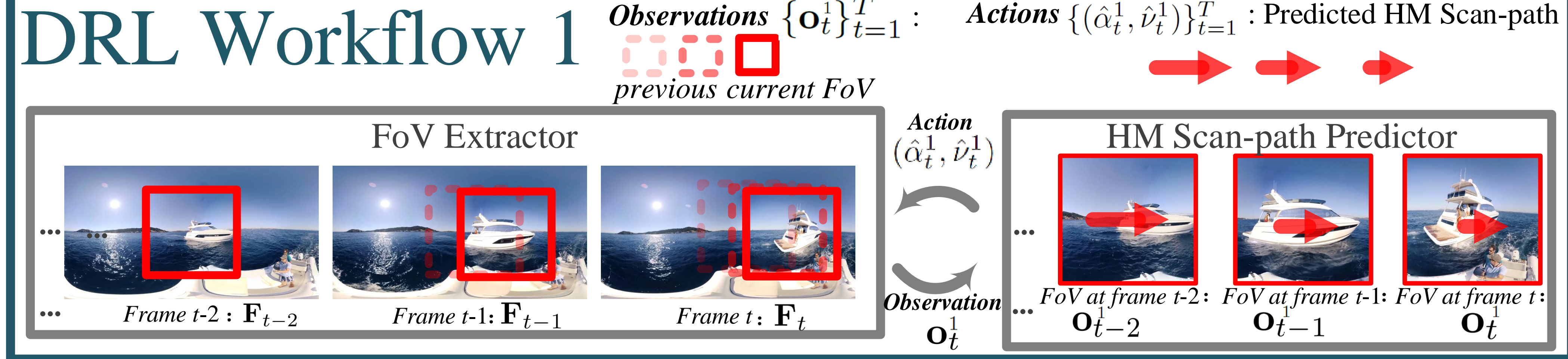
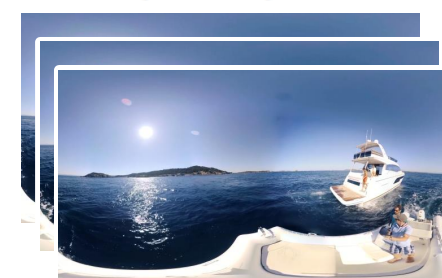
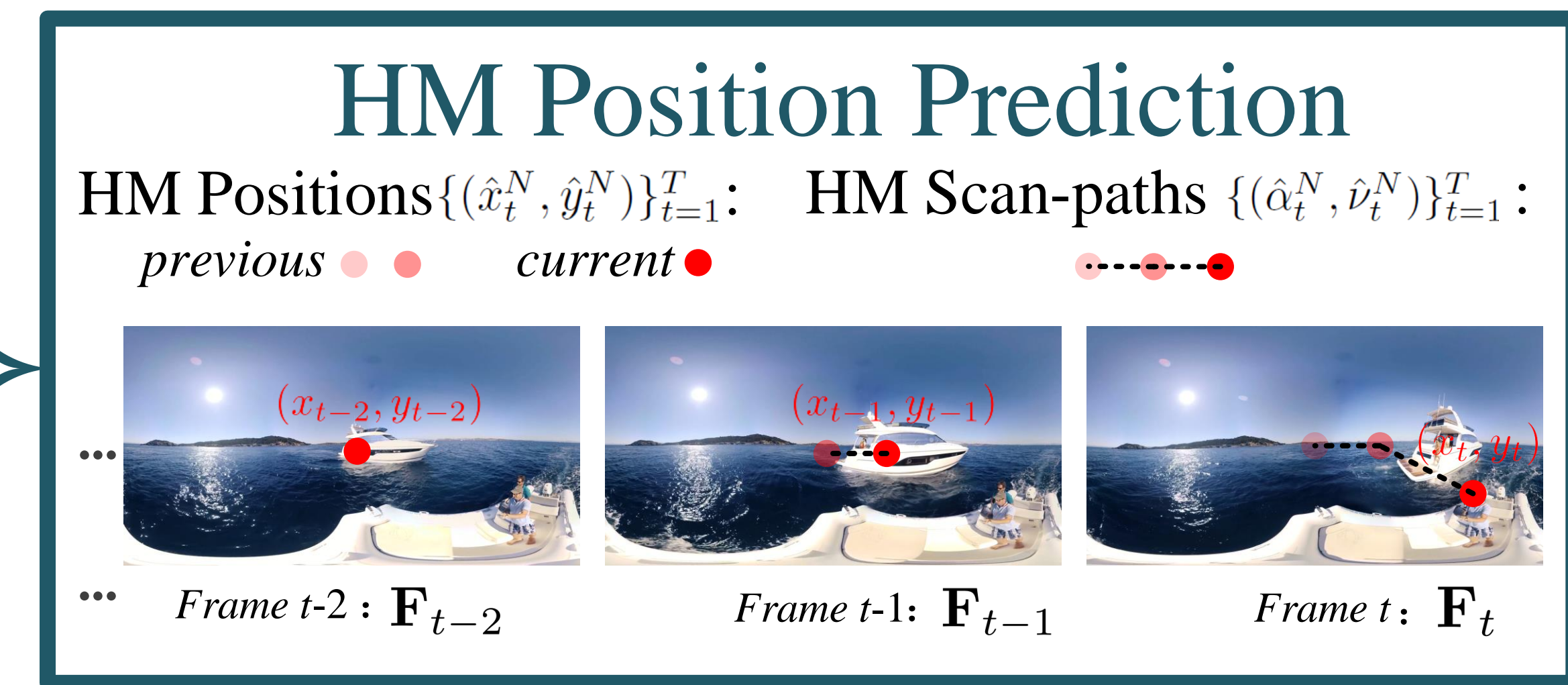
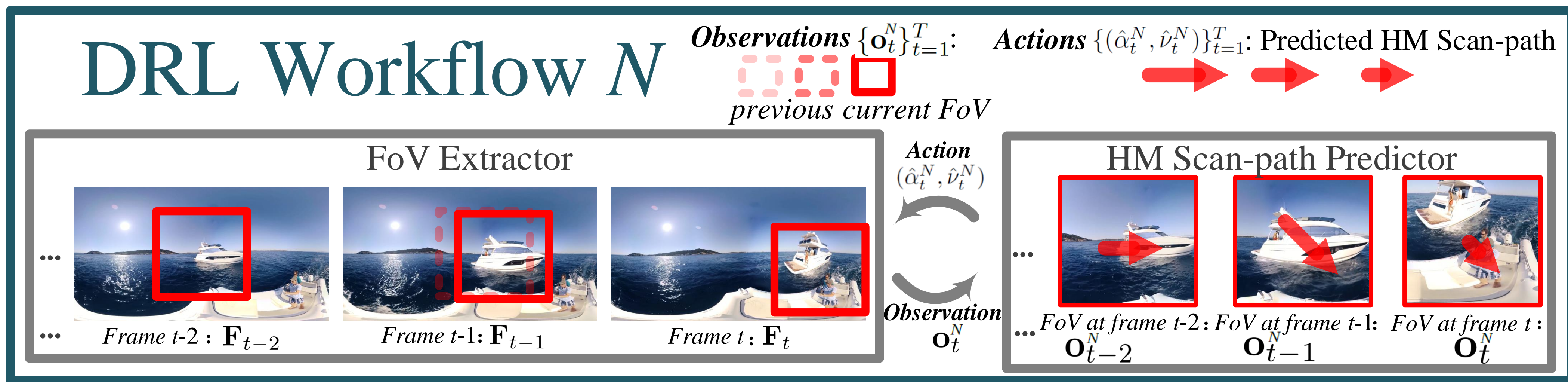
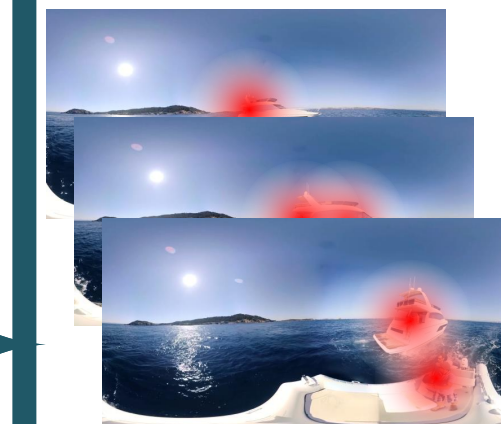


# Input:

Panoramic Video  
Frames  $\{\mathbf{F}_t\}_{t=1}^T$



HM Position  
Integration &  
Smoothing



# Output:

HM Maps  $\vdots$   
 $\mathbf{H}_{t-2}$   
 $\mathbf{H}_{t-1}$   
 $\mathbf{H}_t$   
 $\vdots$

