Boston Harbor Linear Narrow Passages condition (startx, starty, goalx, goaly, condition (startx, starty, goalx, goaly) 11x11 occupancy grid) **x** (waypointx, waypointy) x (samplex, sampley) Encoder Encoder dense layer & dropout dense layer & dropout 512 512 ReLu ReLu dense layer dense layer 512 512 ReLu ReLu Latent space Latent space dense layer dense layer dense layer dense layer Sample from Sample from latent space latent space Z Decoder Decoder dense layer & dropout dense layer & dropout 512 512 ReLu ReLu dense layer dense layer 512 512 ReLu ReLu dense layer dense layer 512 ŷ (samplex, sampley) **ŷ** (waypointx, waypointy)