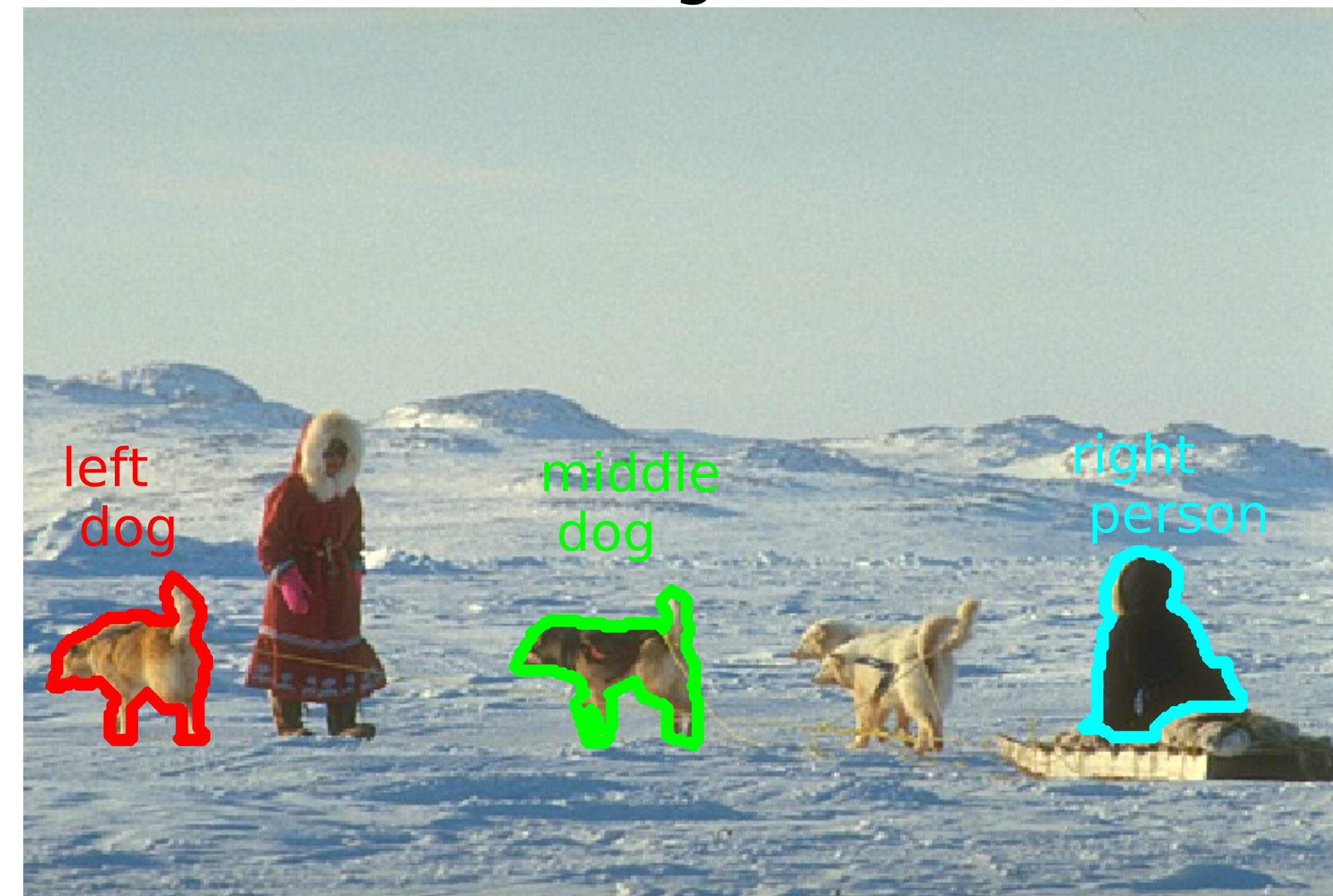## Original image



## Targets



left dog  middle dog  right person

## Seeded PR ($\rho = 10^{-10}$)



PR=0.706, RC=0.916
$\phi$=0.0170

PR=0.932, RC=0.836
$\phi$=0.0201

PR=0.887, RC=0.917
$\phi$=0.0017

## FlowImprove



PR=0.970, RC=0.930
$\phi$=0.0035

PR=0.975, RC=0.898
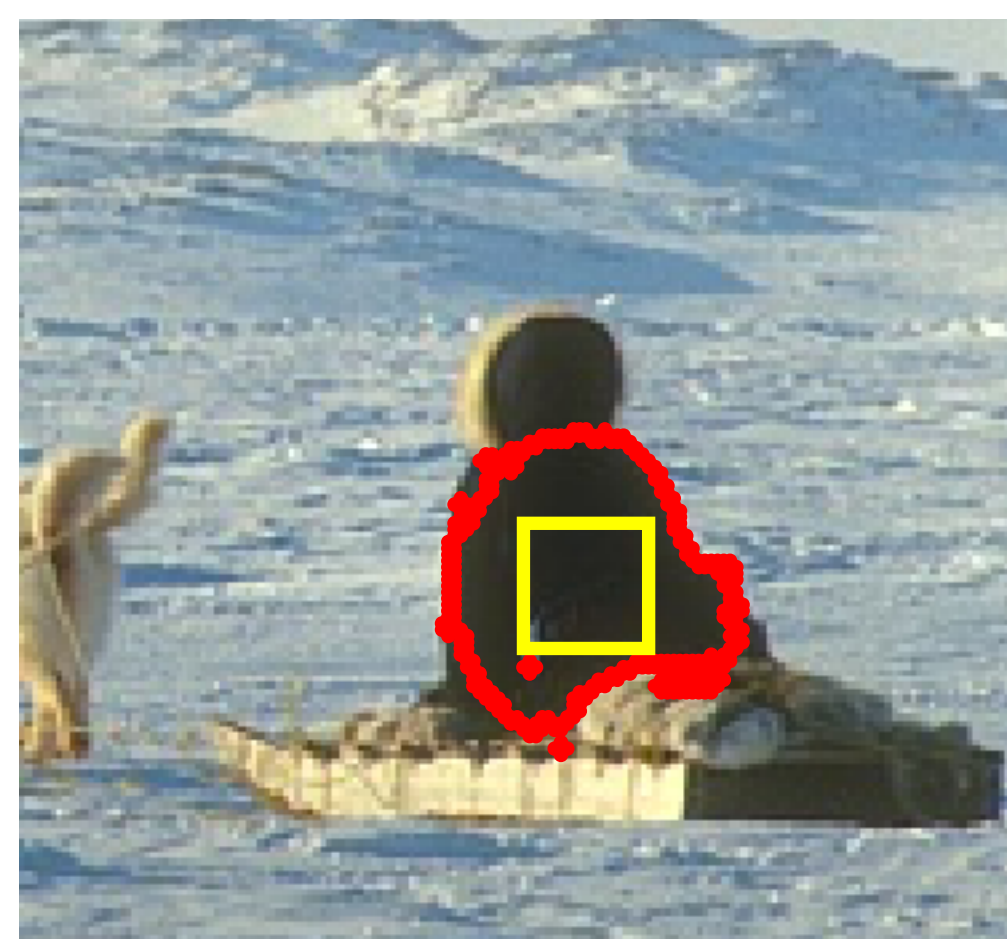$\phi$=0.0017

PR=0.627, RC=0.937
$\phi$=0.0001

## Seeded PR ($\rho = 10^{-6}$)



PR=0.839, RC=0.794
$\phi$=0.0358

PR=0.937, RC=0.796
$\phi$=0.0234

PR=0.972, RC=0.664
$\phi$=0.0368

## LocalFlowImprove



PR=0.970, RC=0.930
$\phi$=0.0035

PR=0.975, RC=0.898
$\phi$=0.0017

PR=0.938, RC=0.913
$\phi$=0.0008

## FiedlerLocal



PR=0.959, RC=0.944
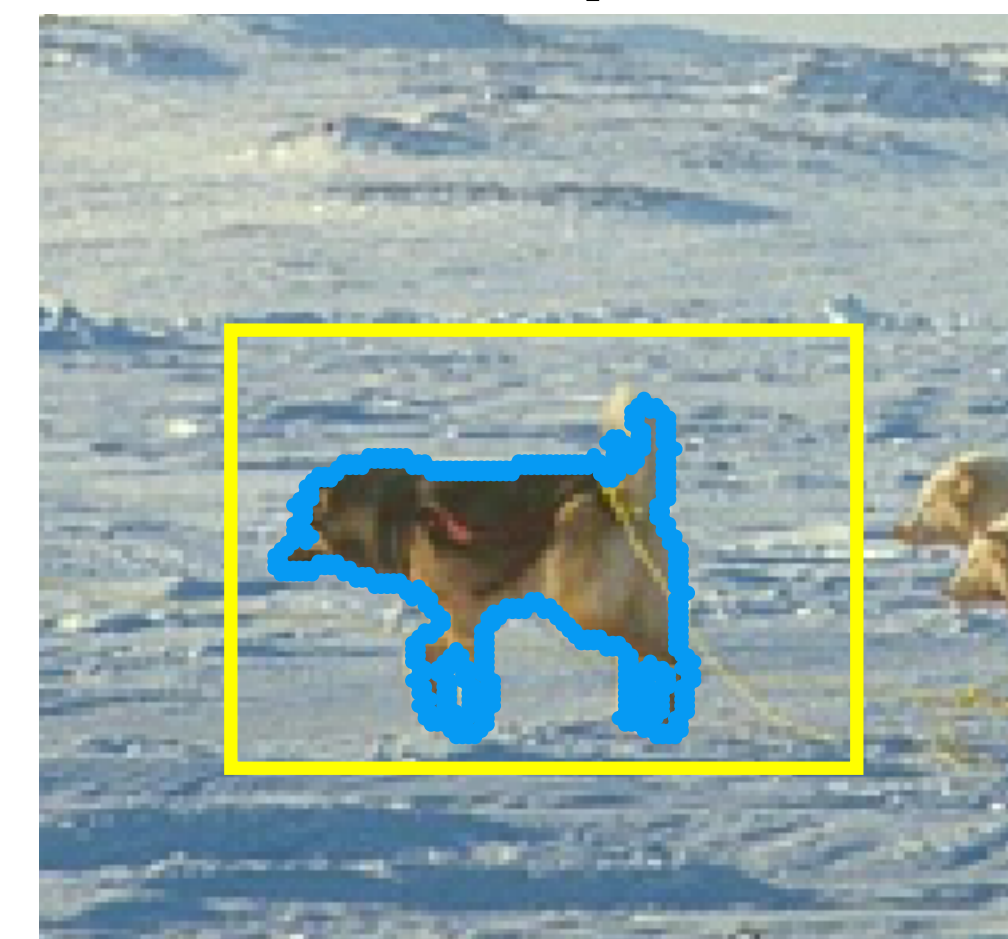$\phi$=0.0040

PR=0.975, RC=0.899
$\phi$=0.0018

PR=0.929, RC=0.923
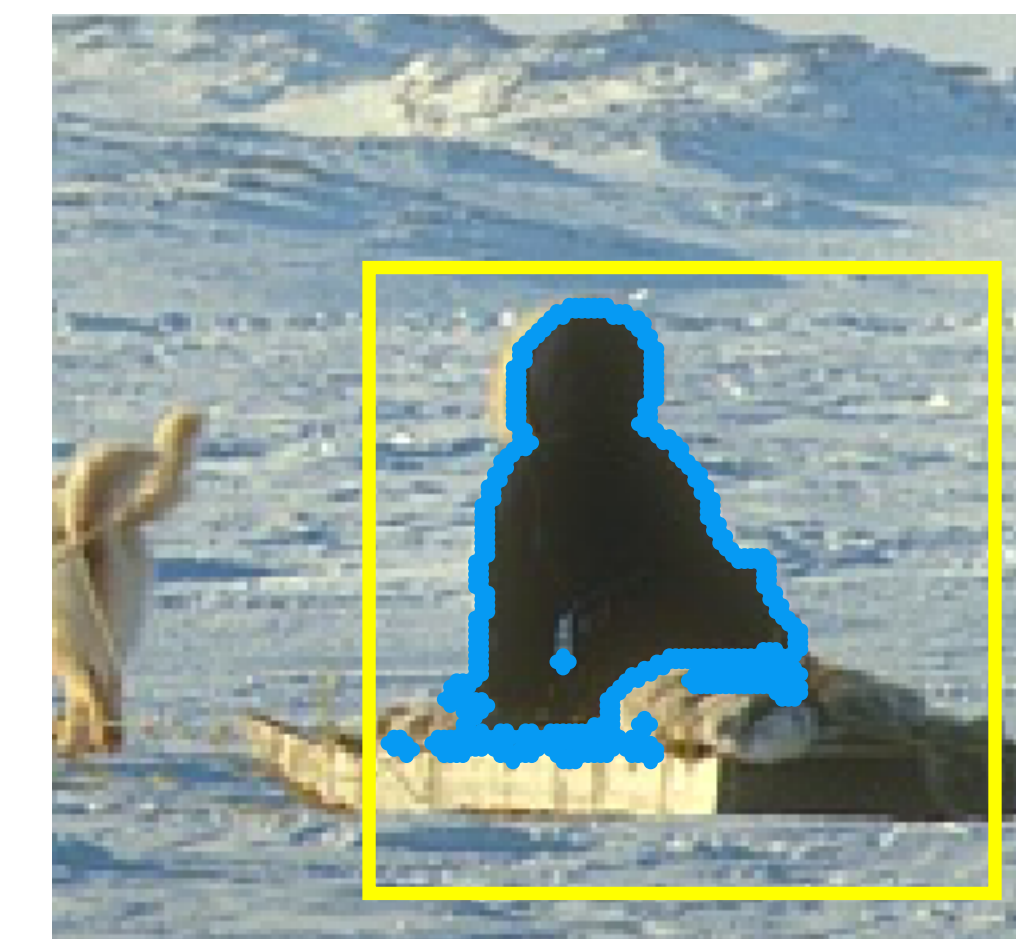$\phi$=0.0009

## MQI



PR=0.970, RC=0.930
$\phi$=0.0035

PR=0.975, RC=0.898
$\phi$=0.0017

PR=0.916, RC=0.933
$\phi$=0.0008

## Reference (greedily grow seeds)



PR=0.965, RC=0.502
$\phi$=0.0367

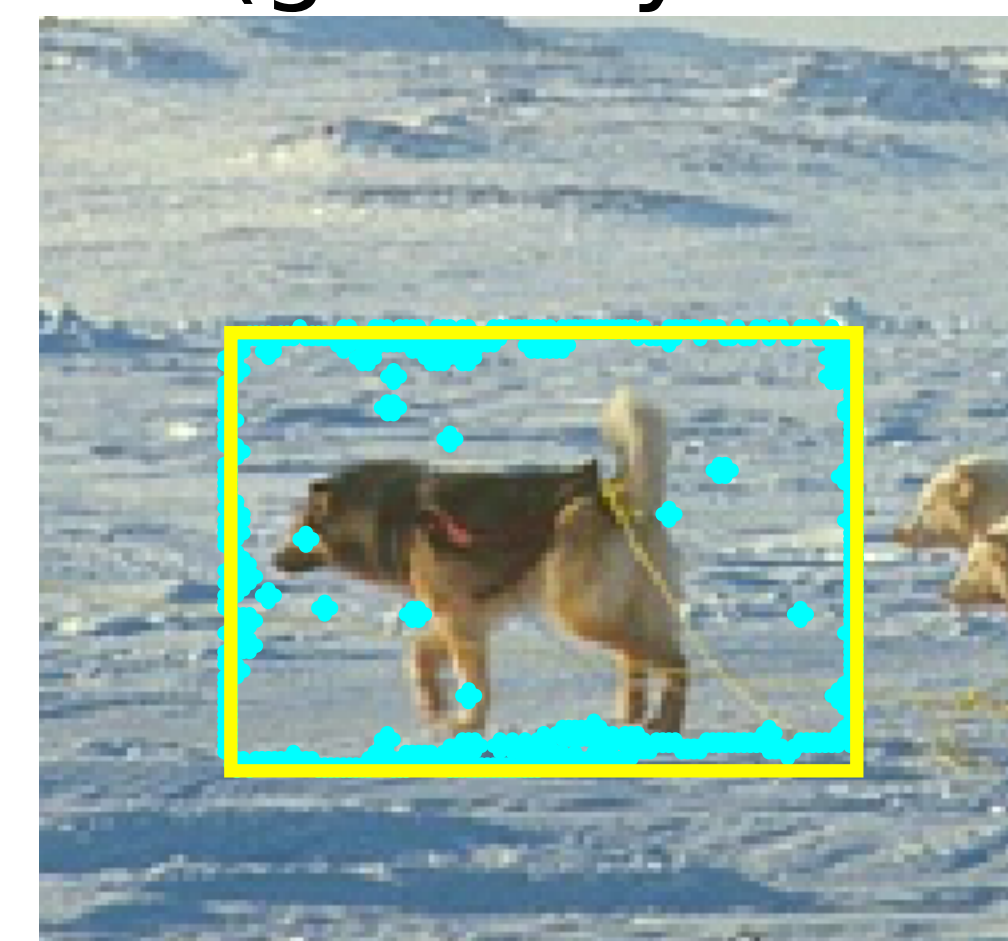PR=0.987, RC=0.407
$\phi$=0.0361

PR=0.939, RC=0.772
$\phi$=0.0166

## Reference (greedily shrink seeds)



PR=0.356, RC=0.999
$\phi$=0.0626

PR=0.272, RC=0.999
$\phi$=0.0595

PR=0.234, RC=0.999
$\phi$=0.0367