

Round  $N$

Round  $r + 1 \dots$

Round  $r$

Gen(B)

$\mathcal{O}^{syn}$

Generator  
 $\mathcal{G}$

"Bulldozer"

$\mathcal{G}$



$\mathcal{S}$



"Seahorse"

$\mathcal{G}$



$\mathcal{S}$

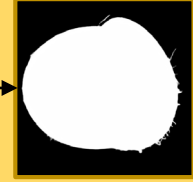


"Coconut"

$\mathcal{G}$



$\mathcal{S}$

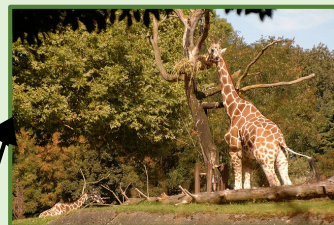


$c$

$o$

$y$

$\mathcal{D}^{real}$



$\mathcal{D}^{aug}$



Train

Round  $r - 1$

Instance  
Segmentation  
Model  
 $M_{\phi_{r-1}}$

Map

Paste

$(x, y)$

$(x', y')$

Instance  
Segmentation  
Model  
 $M_{\phi_r}$

Class-wise Metrics

Map-Paste(o)

Feedback to the  
Next Round