# **SSI**Bench: **S**elf-**S**upervised **I**maging Benchmark `ssibench.github.io`

(a) Accelerated MRI

$\mathbf{x}$ $\xrightarrow{}$ $\mathbf{A}$ $\xrightarrow{}$ $\mathbf{y}$

(b) **I**maging with...

$\mathbf{y}$ $\xrightarrow{}$ $f_\theta$ $\xrightarrow{}$ $\hat{\mathbf{x}}$

(c) **S**elf-**S**up. Learning

$\text{loss} = \mathcal{L}(\hat{\mathbf{x}}; \mathbf{y}, \mathbf{A}, f_\theta)$

**without x**

(d) 4 scenarios: $\mathbf{A} = ...$

single coil    noisy    single mask    multi coil

(e) 15 losses implemented in *Deep Inverse*

loss loss loss loss loss loss loss loss loss loss loss loss loss loss loss