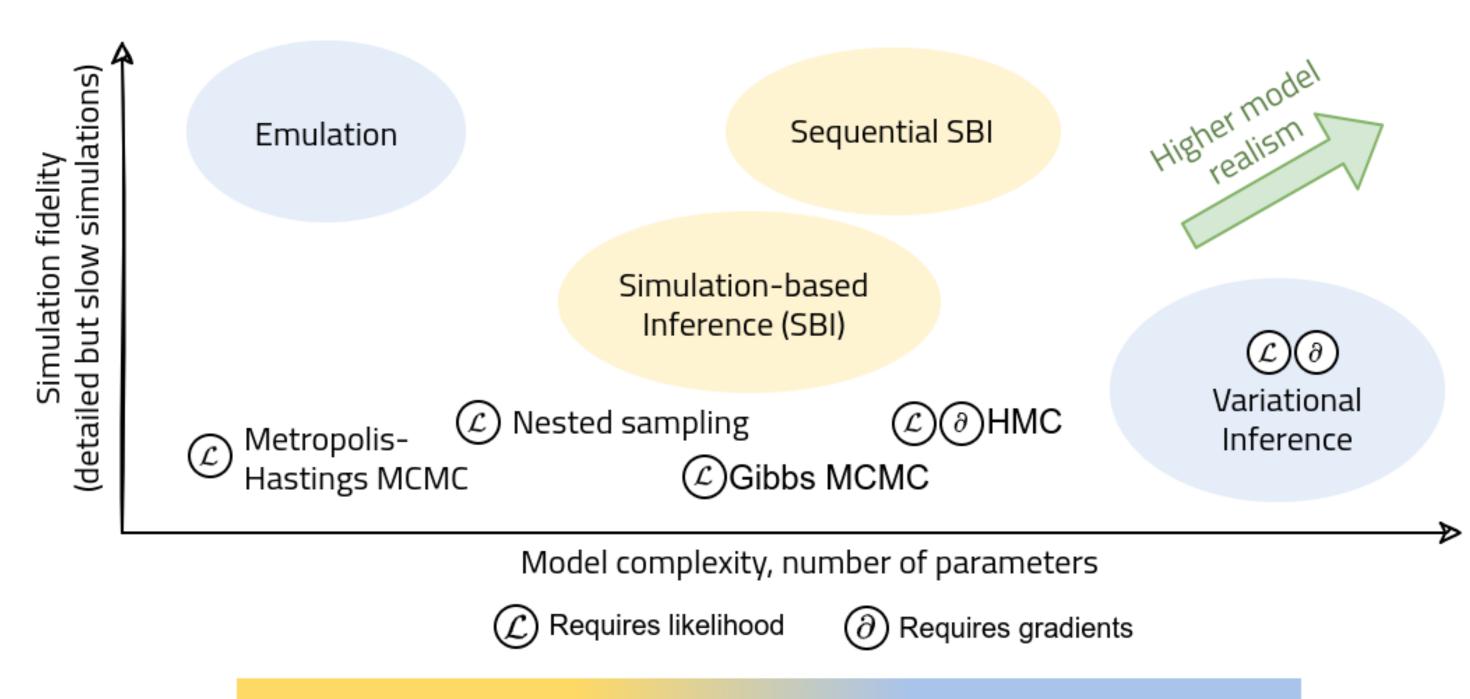
### Siddharth Mishra-Sharma (MIT/IAIFI) | IAIFI Summer School



## Variational inference

## A general-purpose technique for posterior estimation: optimization instead of sampling



Deep Learning

Differentiable Programming

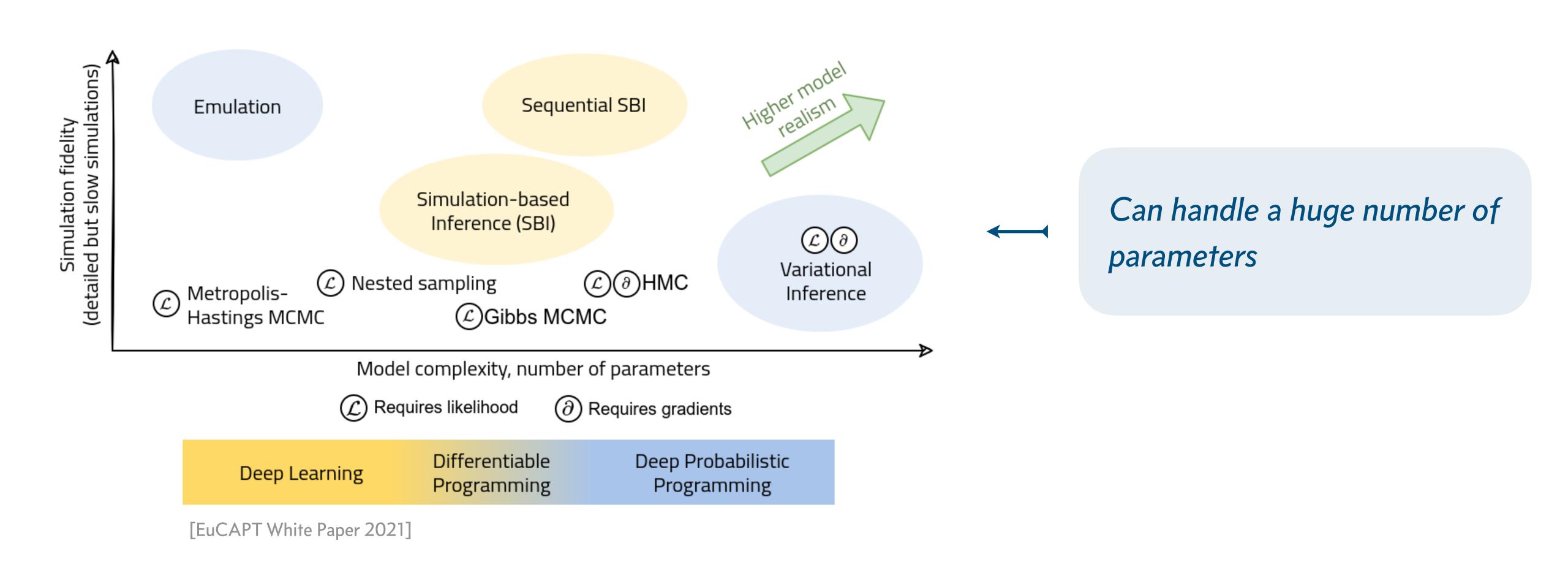
Deep Probabilistic Programming

# Can handle a huge number of parameters

#### [EuCAPT White Paper 2021]

## Variational inference

A general-purpose technique for posterior estimation: optimization instead of sampling



## A Bayesian latent-variable model optimized with variational inference

