Possible solutions

- Use a high fidelity model

  ➡ Usually unavailable…

- Development of faster algorithms

  ➡ SAC (very efficient maximum entropy algorithm)

  ➡ TD3 (simple and efficient tricks accelerate DDPG-Style algorithms)

- Use data efficient method as MBRL

  ➡ Hard to handle, low computational efficiency

- Reuse von prior knowledge to accelerate RL

  ➡ RL2: Fast reinforcement learning via slow reinforcement learning https://arxiv.org/pdf/1611.02779.pdf

  ➡ Learning to reinforcement learning https://arxiv.org/pdf/1611.05763.pdf

  ➡ Model-agnostic meta-learning http://proceedings.mlr.press/v70/finn17a/finn17a.pdf

Stop, Think, Apply!