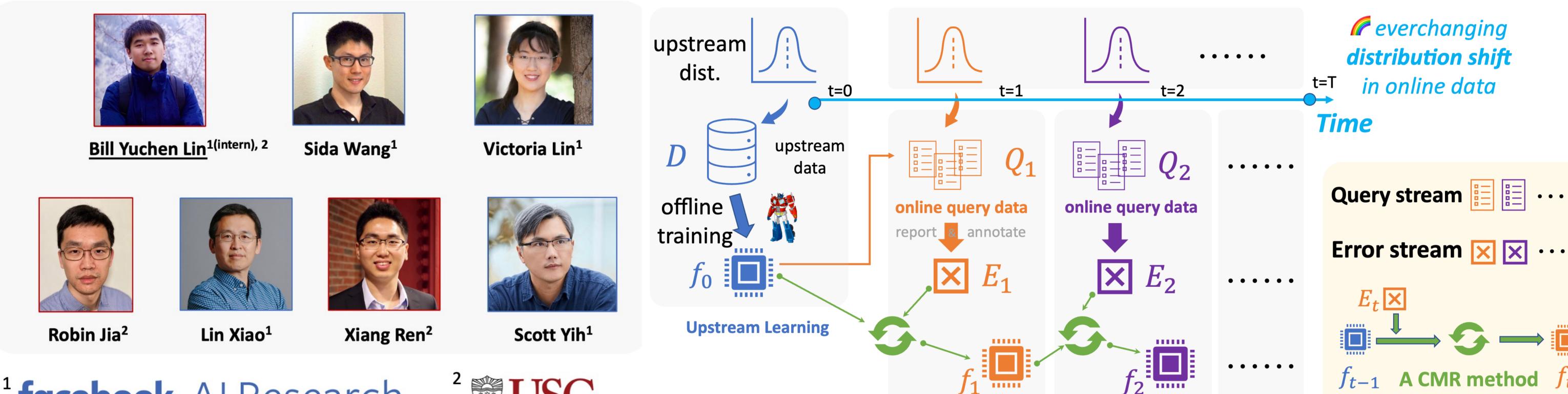
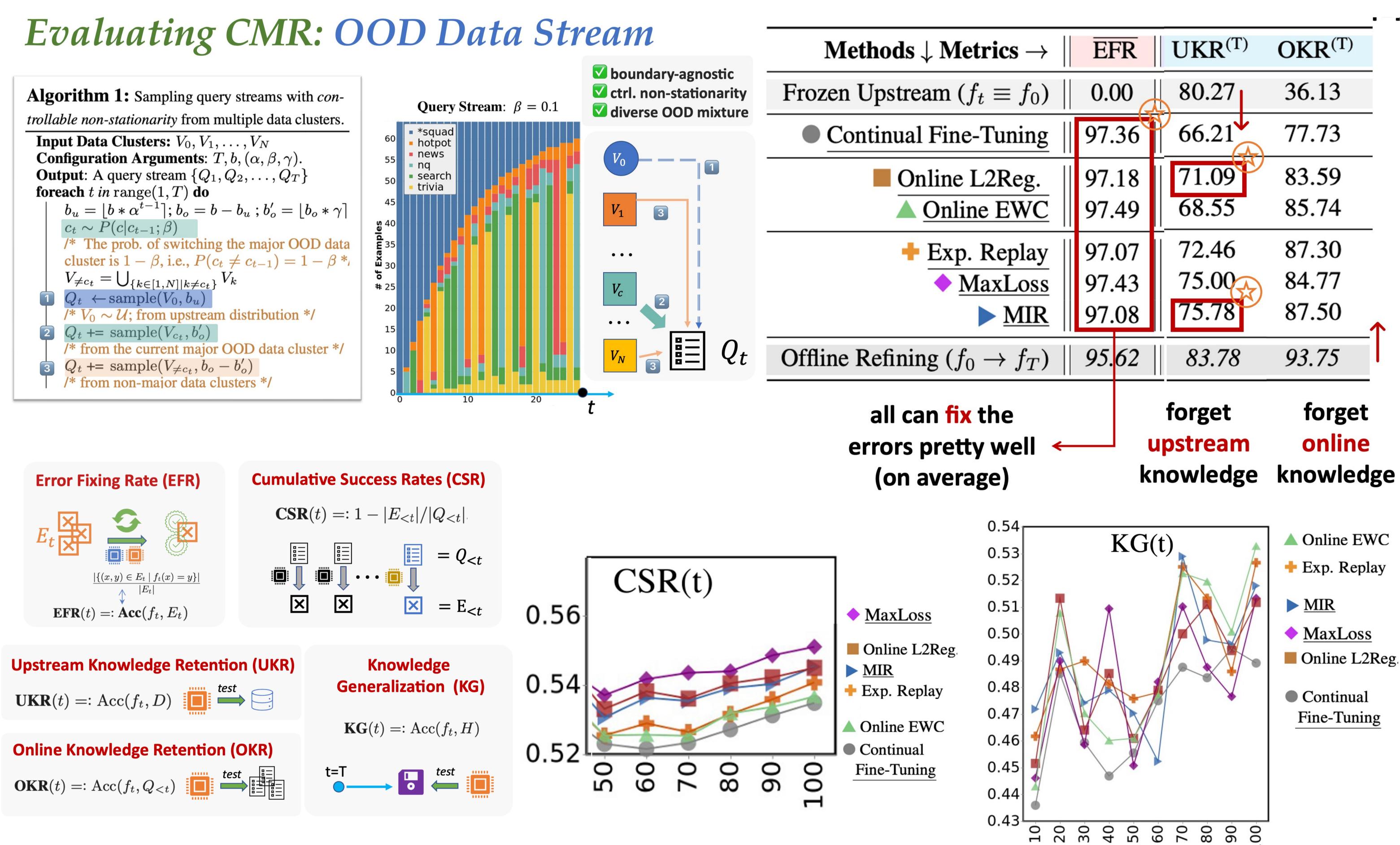
On Continual Model Refinement in Out-of-Distribution Data Streams

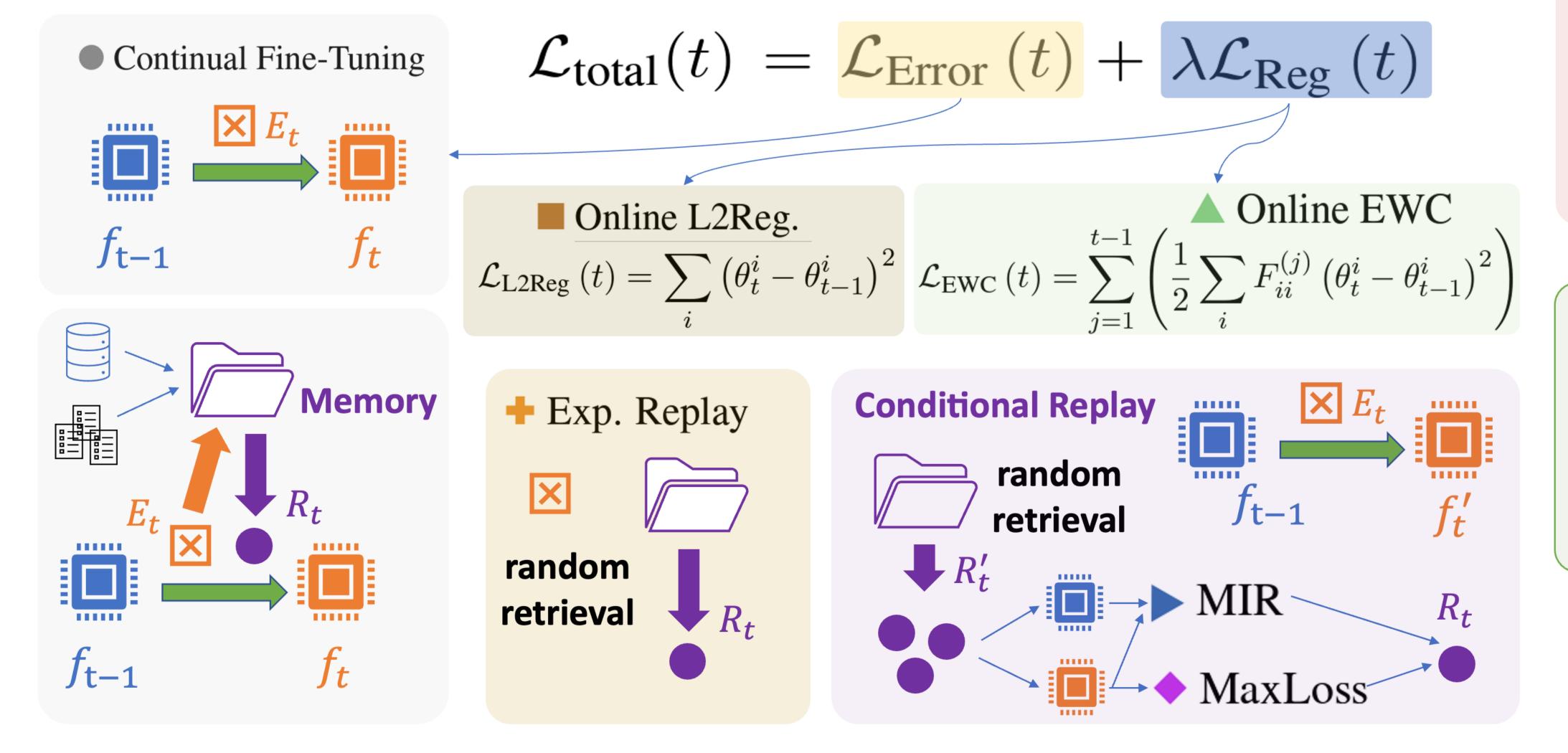
Continual Model Refinement (CMR)



¹ facebook Al Research



CMR Methods: Regularization | Replay



The typical CL setup

- boundary-aware
- pre-defined data streams
- disallowing revisiting the past dist.
- single dist. to learn in a period

CMR: a more realistic CL setup

- boundary-agnostic
- dynamic streams of pred. errors
- allowing revisiting the past dist.
- diverse mixtures of OOD data

https://cmr-nlp.github.io/