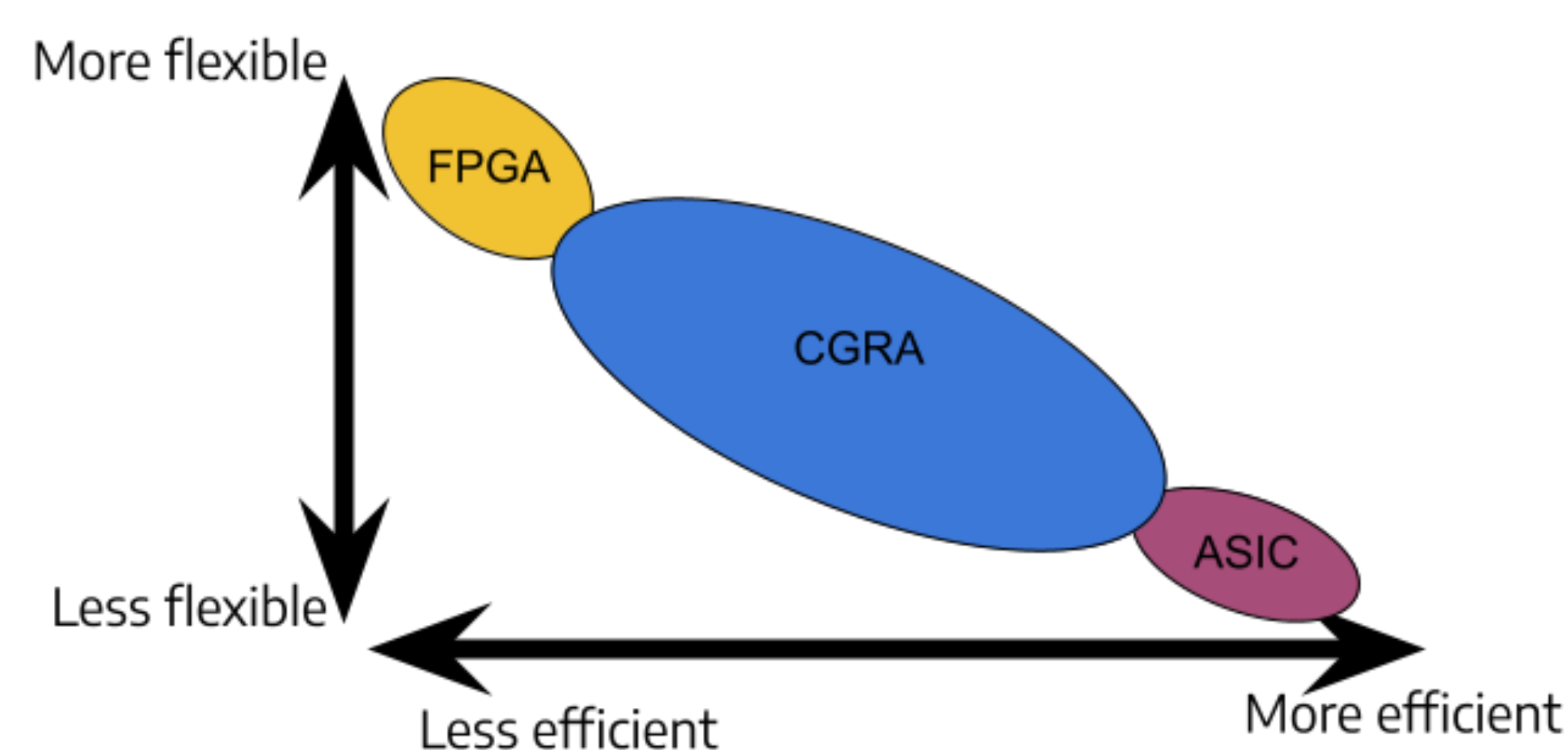


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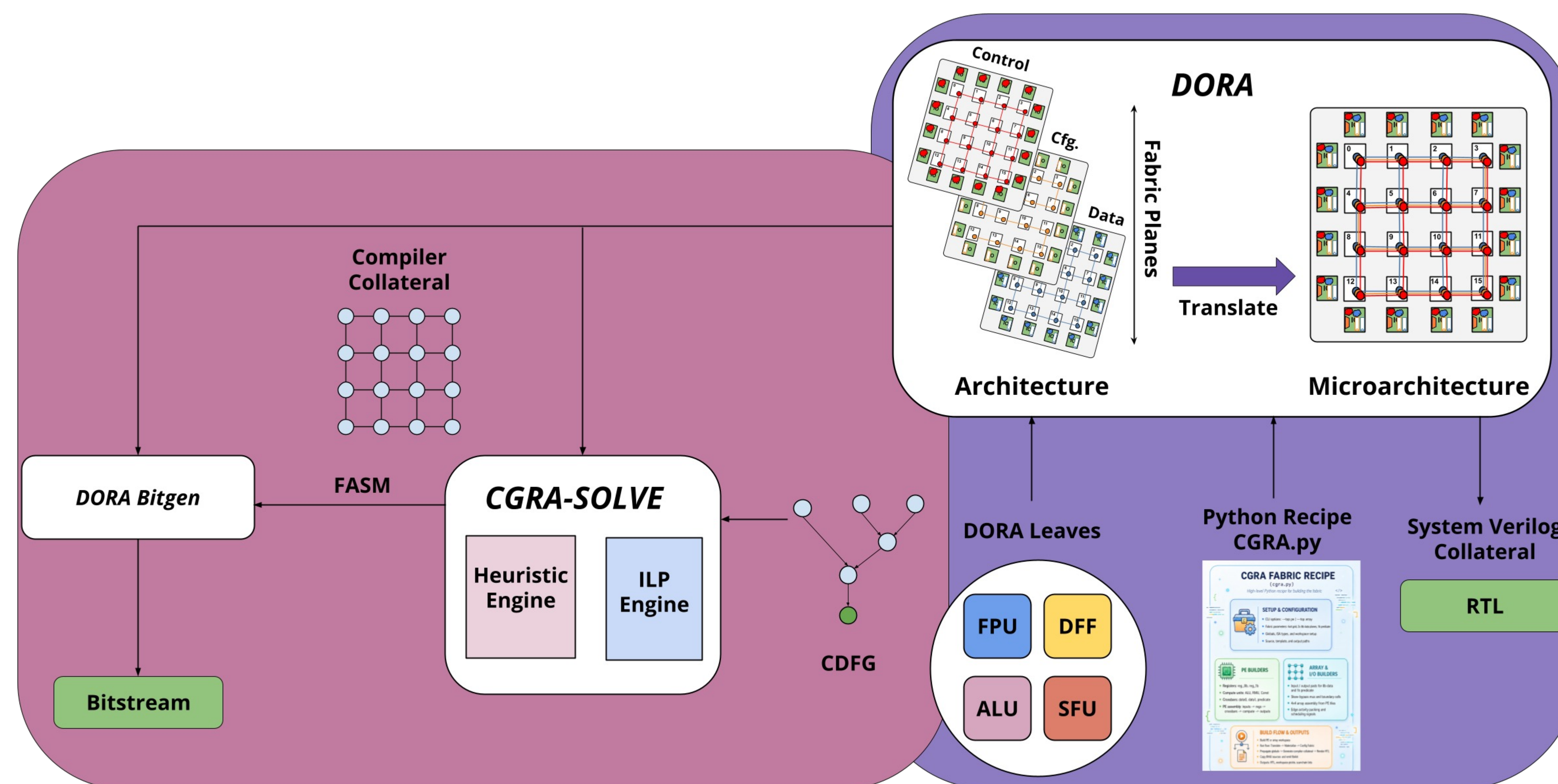
Abstract

- Open-source CGRA research needs infrastructure that can vary fabric architecture, RTL, compiler collateral, and configuration flow from one specification.
- We present Domain-Optimized Reconfigurable Architecture (DORA), a recipe-based Python framework for prototyping CGRA-style reconfigurable fabrics. A DORA recipe composes user-provided hardware leaves as a single source of truth for the compiler-visible architecture, generated RTL microarchitecture, and configuration feature space.

Reconfigurability Scale



Toolchain Overview



Flow

