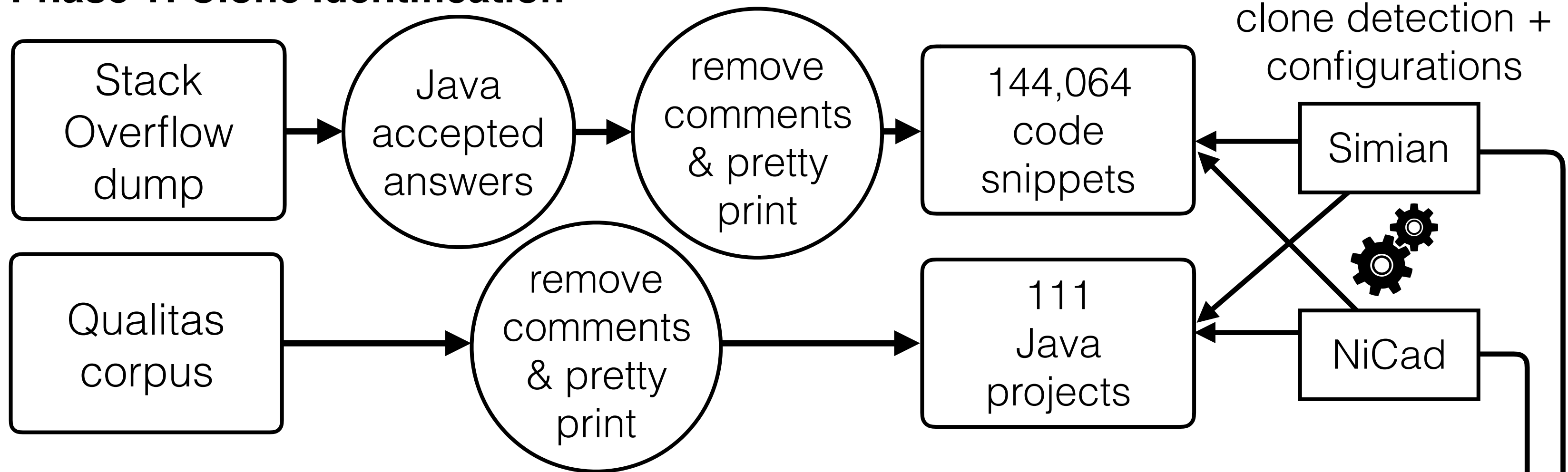
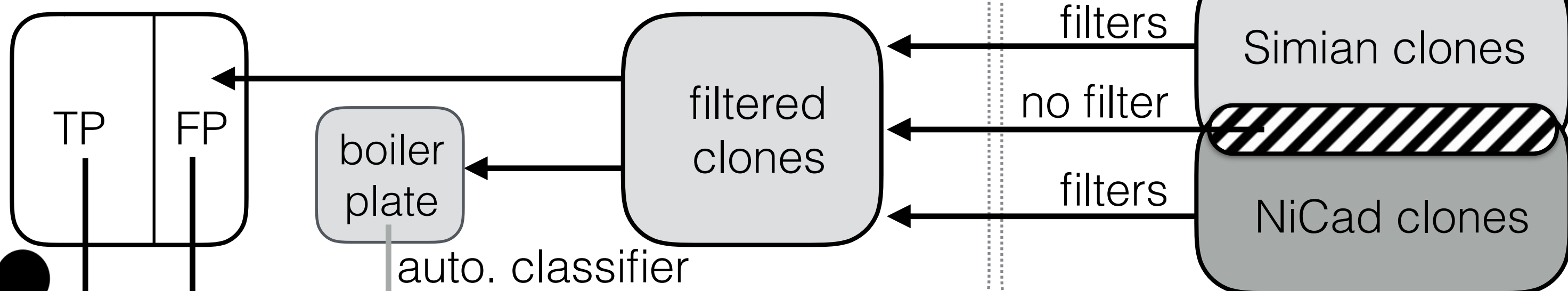


Phase 1: Clone Identification

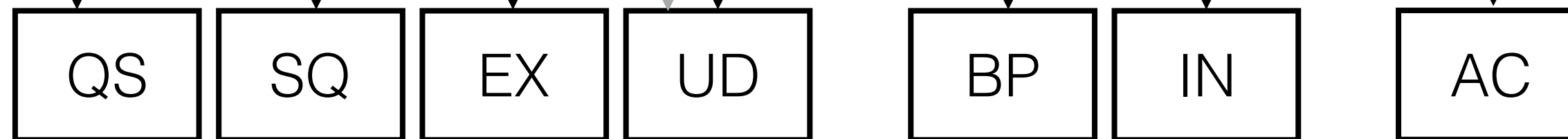


Phase 2: Clone Filtering

manually validated clone set



Phase 3: Clone Validation (RQ1)



compare with latest version

outdated clones

Phase 4: Clone Classification (RQ2)

Ninka

auto. + manual license identification

license-violating clones

Phase 5: Outdated Code (RQ3)

Phase 6: Licensing Analysis (RQ4)