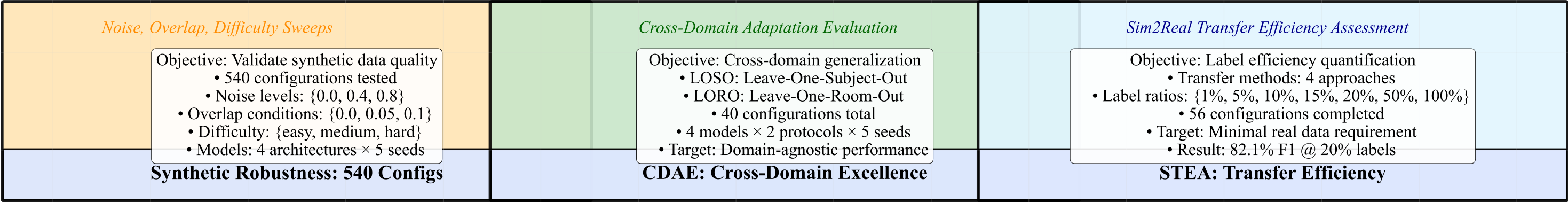


Comprehensive Experimental Evaluation Protocols

SRV protocol

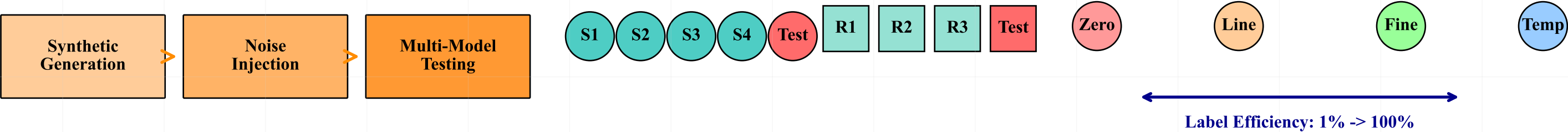
CDAE Protocol

STEA Protocol

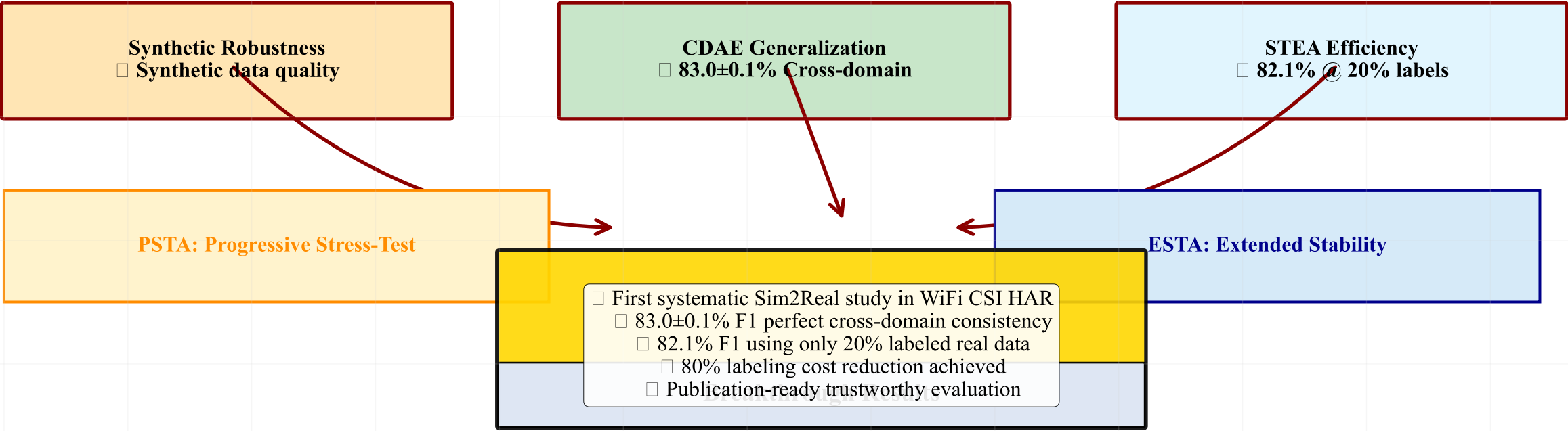


LOSO Evaluation

LORO Evaluation



Protocol Integration and Results



Statistical Validation

- Significance testing: p-values computed
- Confidence intervals: 95% CI reported
- Effect sizes: Cohen's d calculated
- Multiple comparisons: Bonferroni correction
- Cross-validation: 5-fold repeated

Key Performance Summary

Protocol	Key Metric	Achievement
Synthetic Robustness	Robustness	540 confgs validated
CDAE	Consistency	CV < 0.2%
STEA	Efficiency	80% cost reduction