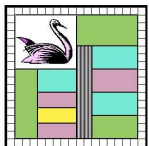


# The Heart of ESL

John Swan  
Gary Smith

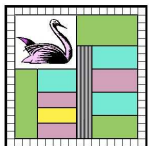
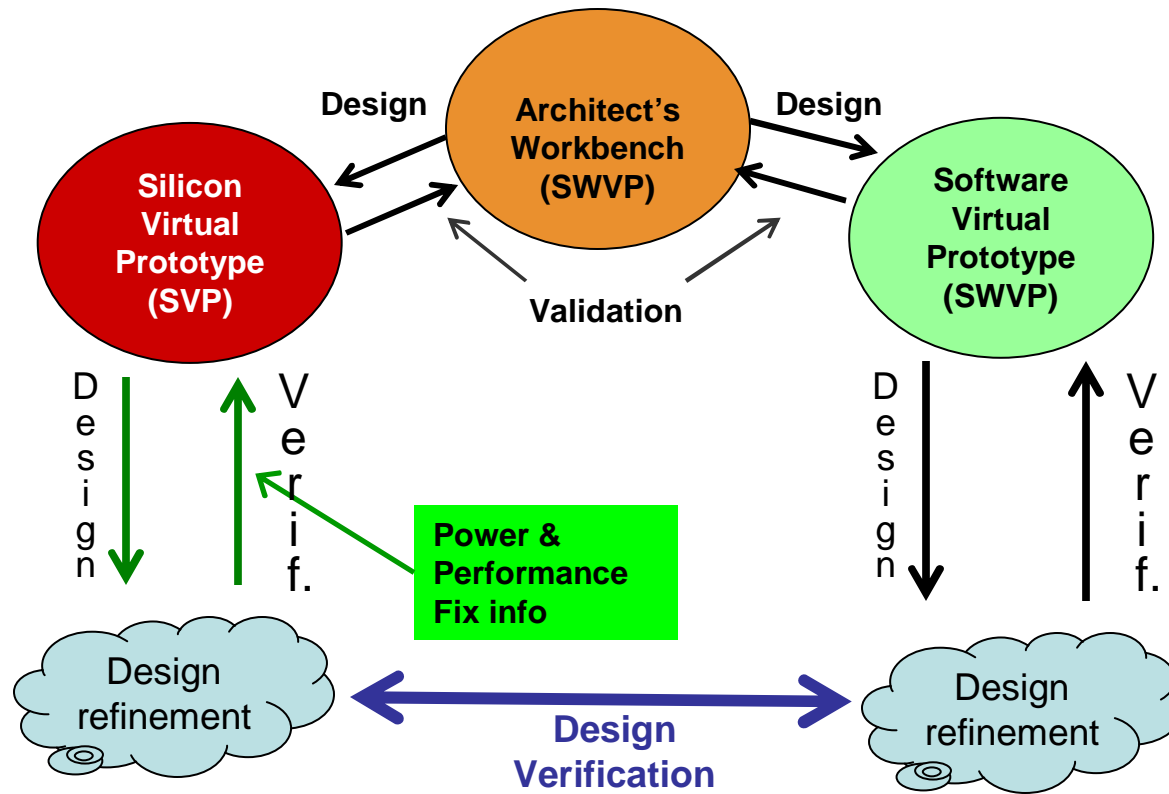


Swan On Chips

2014 EDPS



# Flow Refinement

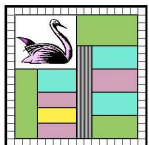
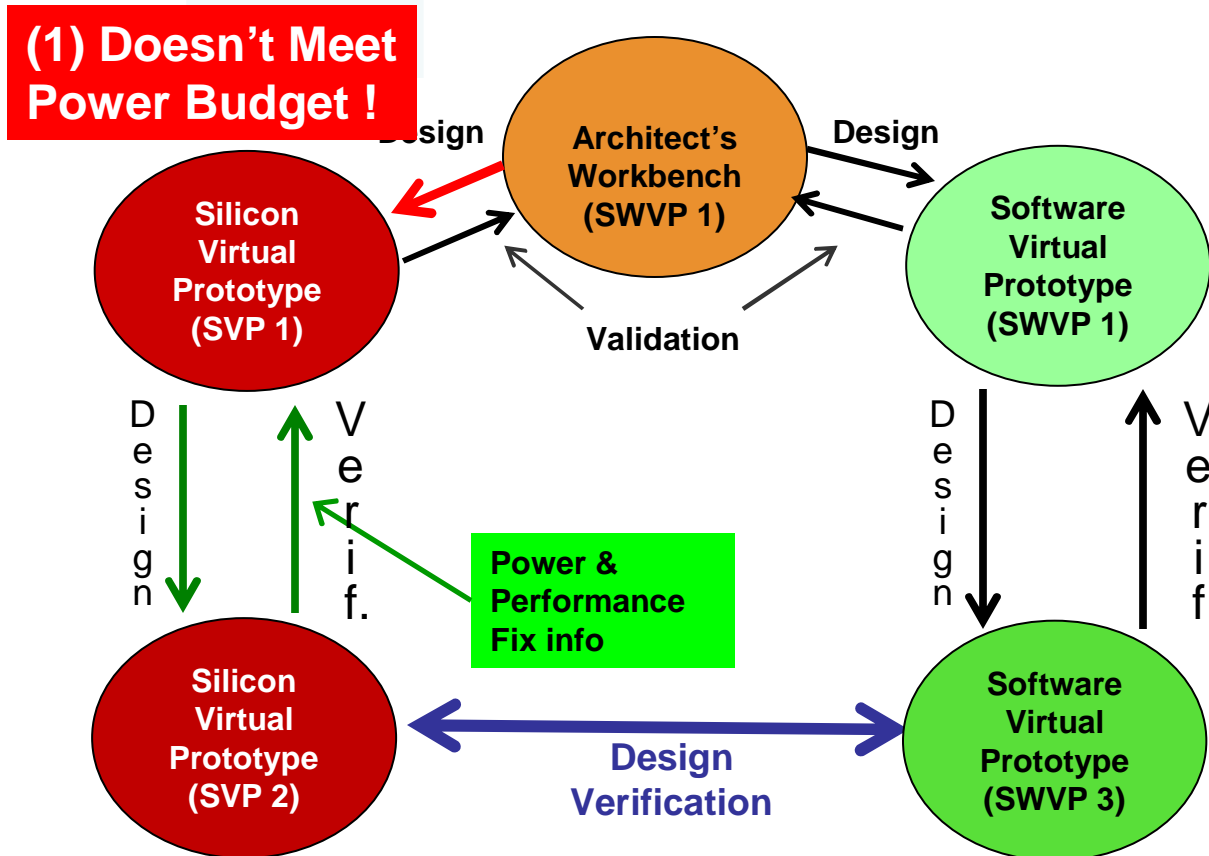


Swan On Chips

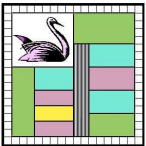
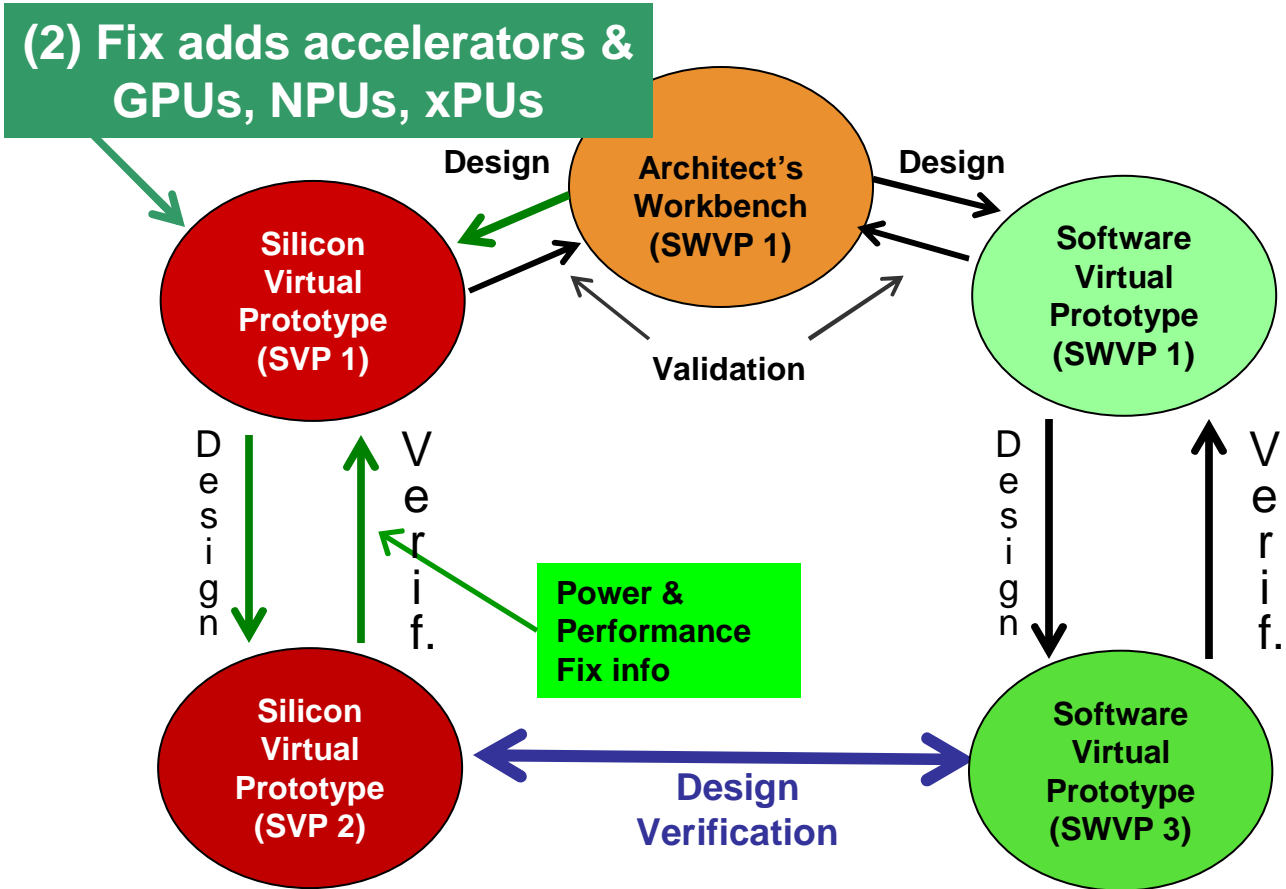
2014 EDPS



# Refinement finds problem



# Fix is found

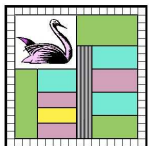
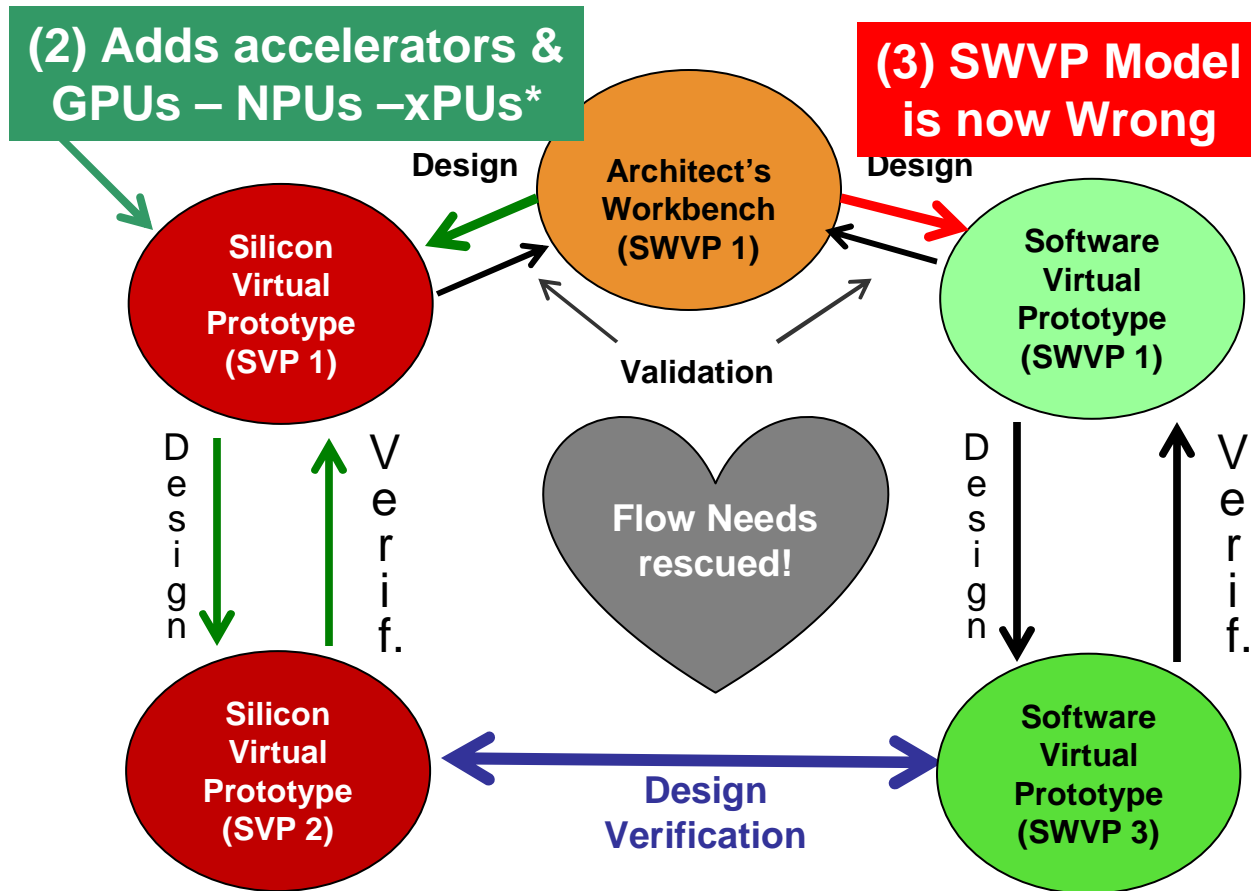


Swan On Chips

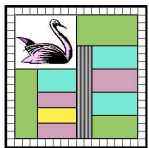
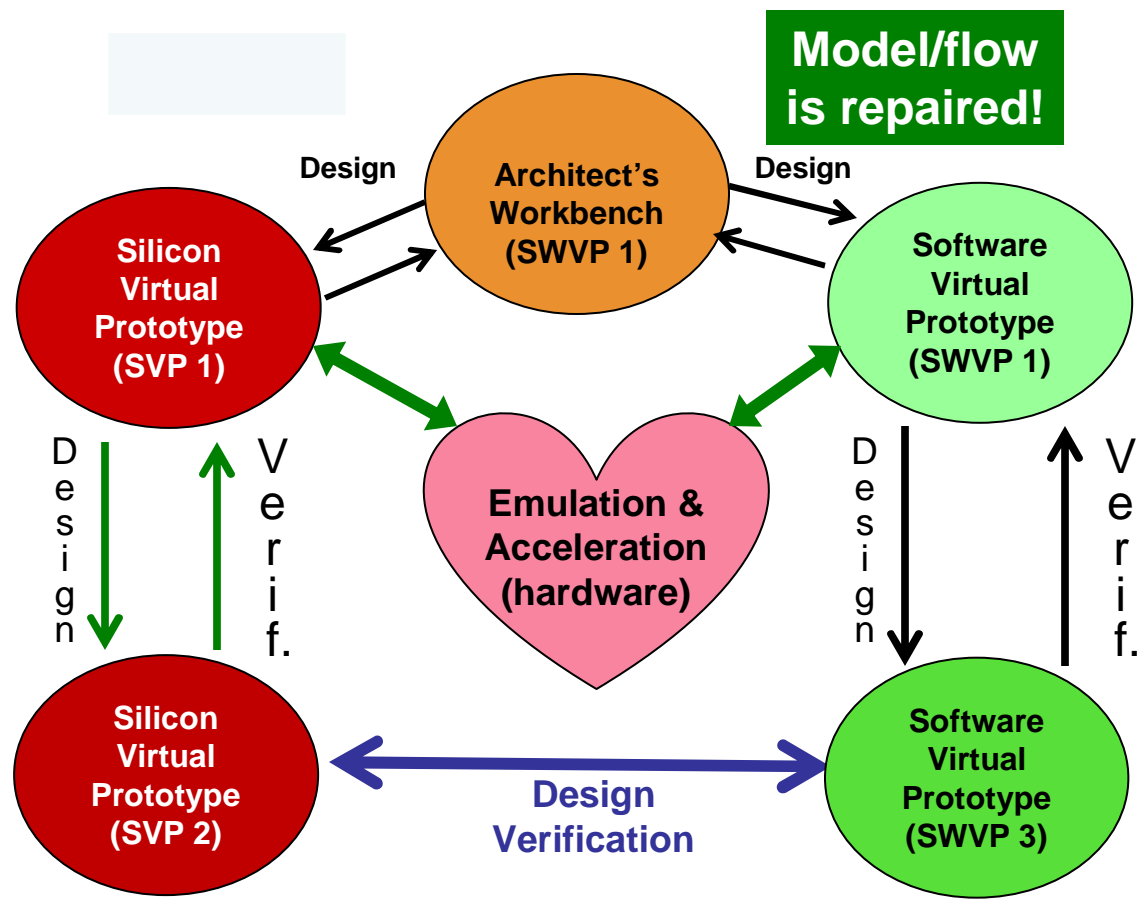
2014 EDPS



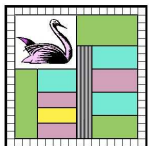
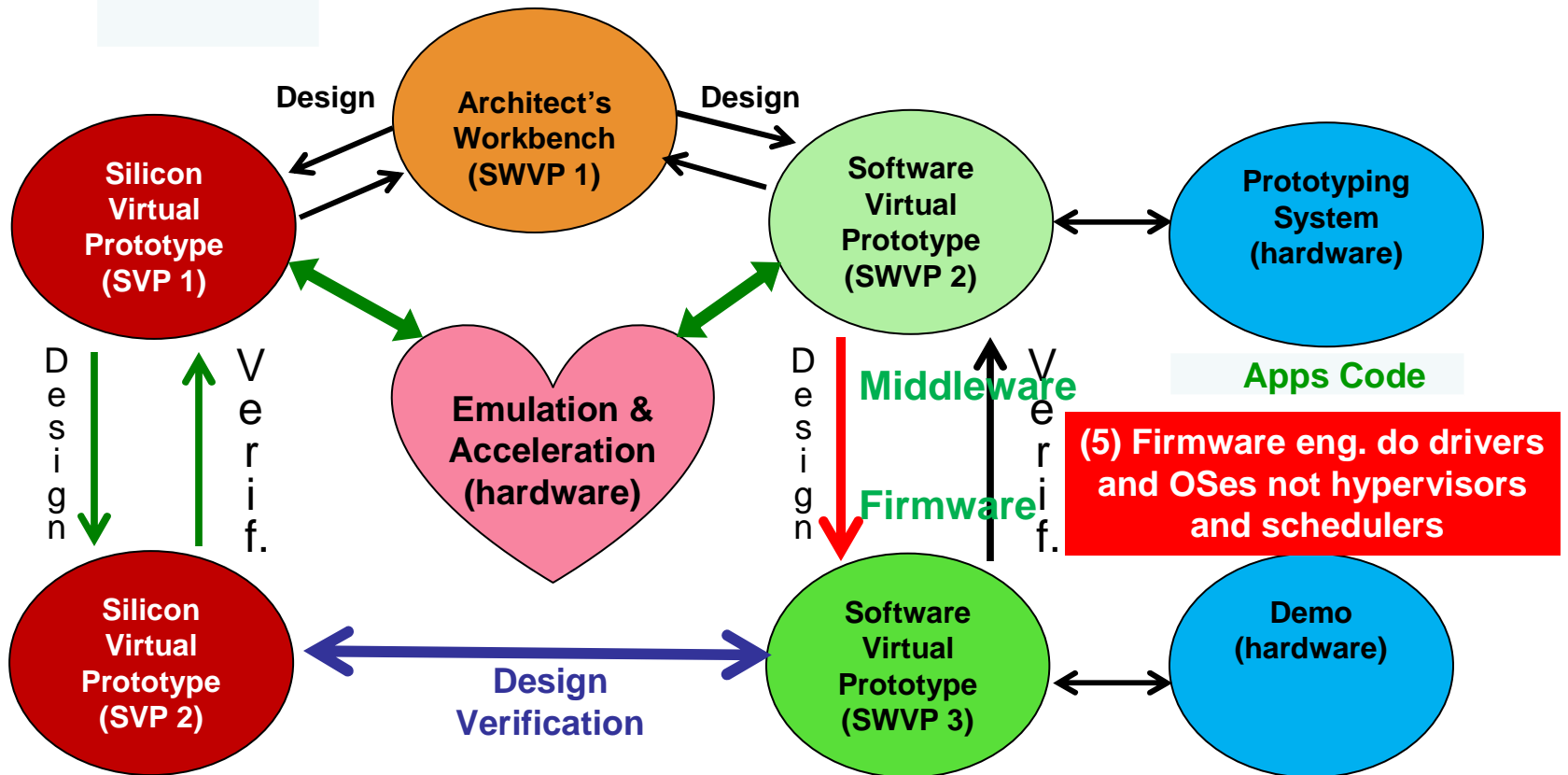
# Fix causes break in flow



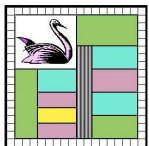
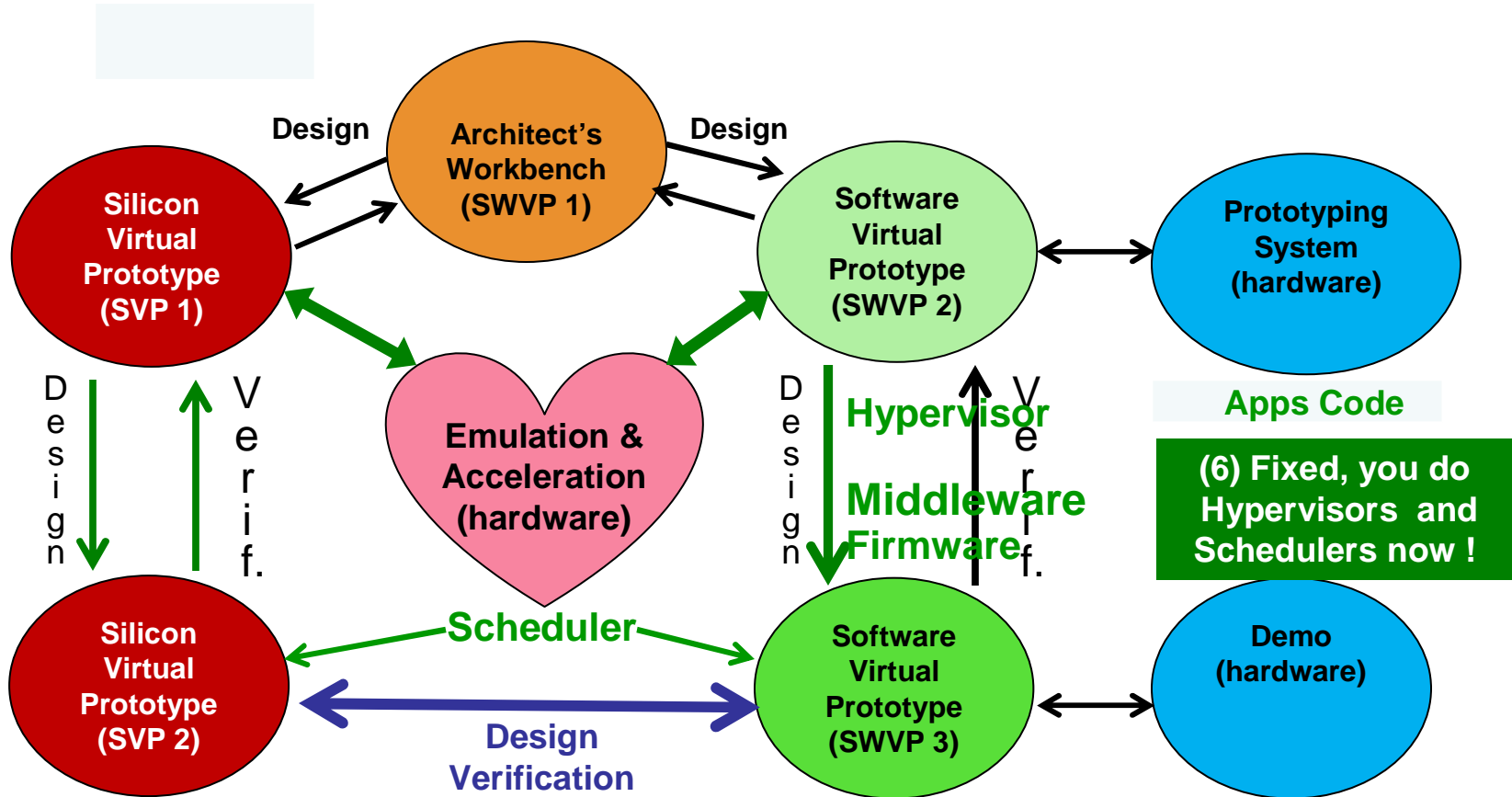
# Flow repair to model mismatch



# One more problem...



# Complete Flow



Swan On Chips

2014 EDPS

