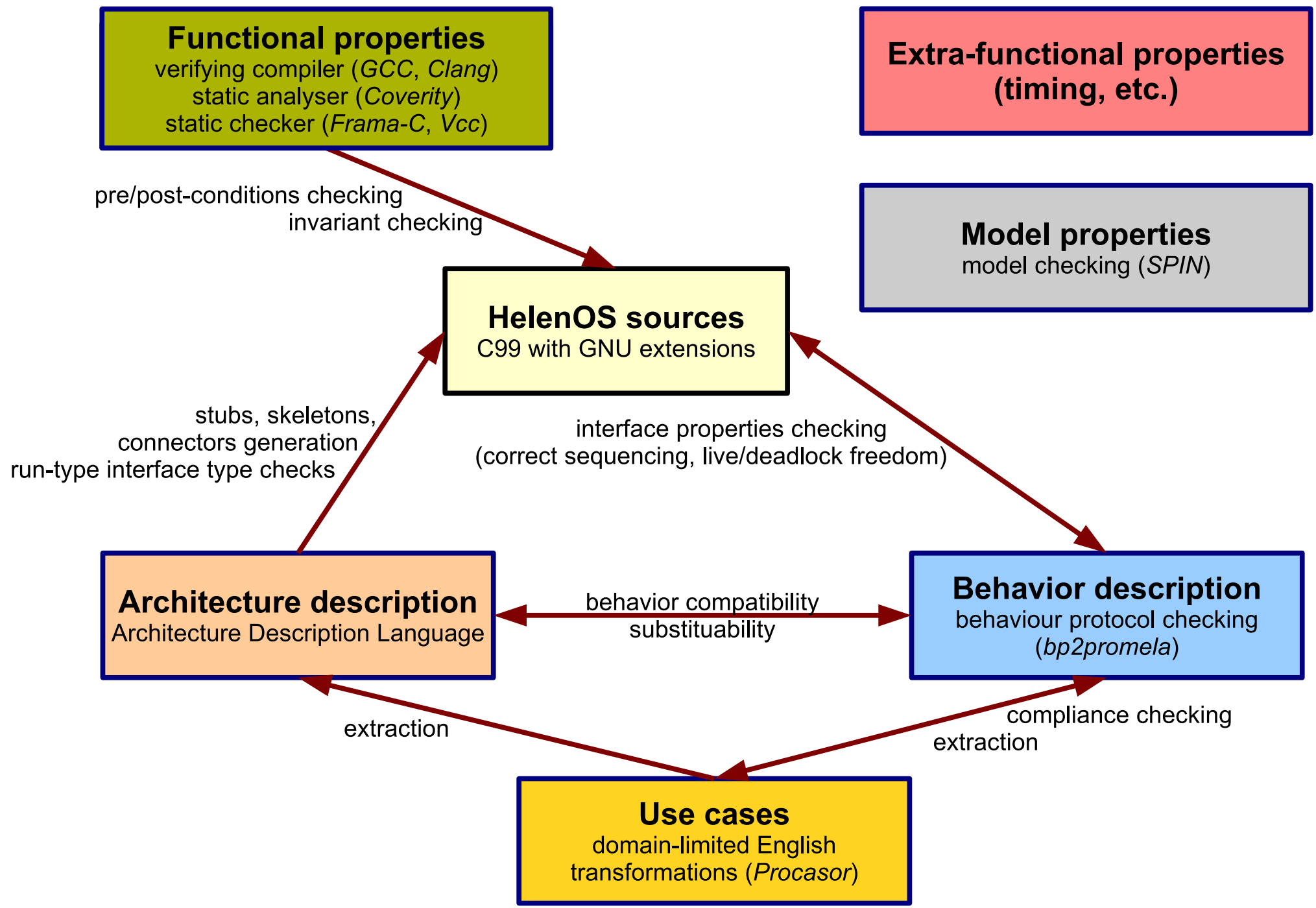
Functional properties
verifying compiler (GCC, Clang)
static analyser (Coverity)
static checker (Frama-C, Vcc)
Extra-functional properties
(timing, etc.)
pre/post-conditions checking
invariant checking
Model properties
model checking (SPIN)
HelenOS sources
C99 with GNU extensions
stubs, skeletons,
connectors generation
run-type interface type checks
interface properties checking
(correct sequencing, live/deadlock freedom)
Architecture description
Architecture Description Language
behavior compatibility
substituability
Behavior description
behaviour protocol checking
(bp2promela)
extraction
compliance checking
extraction
Use cases
domain-limited English
transformations (Procasor)