

Crowd-Sourced Annotations (Transition to Practice) annotationsforall.org

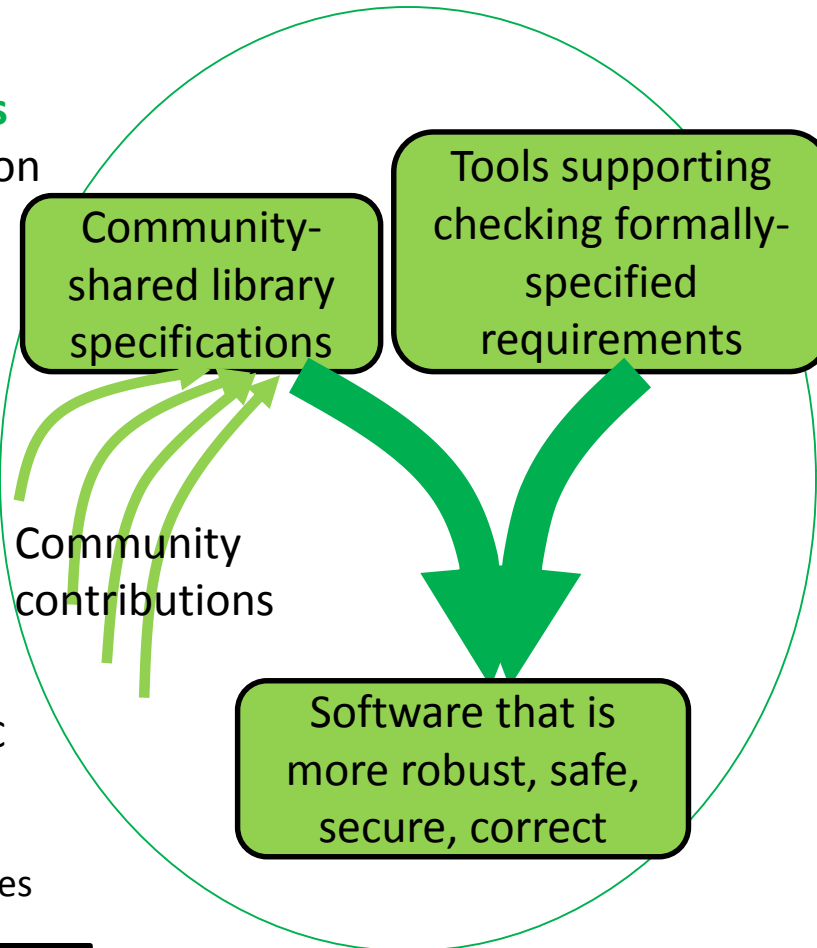


Challenge:

Broaden the use of **behavioral specifications** to aid software verification using **static formal methods**.

Solution:

- Improved library annotations (in ACSL and JML)
- Improved tools (Frama-C for C and OpenJML for Java)
- Improved documentation
- Collaborative user communities



Scientific Impact:

- Improved tools and libraries for **checking software during development**
- Scaling the logical foundations of automated SW checking

Broader Impact:

- Society: Safer, more correct, more secure software
- Education: Student projects, Masters and PhD theses, REU participants
- Transitioning: **partnerships** in process with industrial software verification projects

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