**GOALS**

Facilitate proofs of safety/security

**ONE** language of assertions

Tests + proofs + static analysis

Spark profile for Ada

Mixed Ada-C code

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**PARTNERS**

AdaCore

INRIA

CEA

LIST

EDS Astrium

ALTRAN

THALES

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**Hi-LITE**

[ˈhaɪˌlaɪt]

- User Input
- Inferred by Static Analysis
- Generated with Code from Model

**Executable Annotation Language**

- Testing
- Static Analysis
- Formal Verification

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**Frameworks and Tools**

- CodePeer
- SCIL
- GNAT
- SPARK
- Ada
- GCC
- Why
- FDL
- Why
- SMTLIB
- Simplifier
- Alt-Ergo
- VC Generators
- Automatic Provers