

WG3 - Program Verification

- Year goal: *Specify the requirements for developing a software prototype for the automated inference of program specifications as logical axioms*
- WG3 meeting in Timisoara - February 2023
 - WG3 webpage updated with videos and slides <https://europroofnet.github.io/wg3-meeting-timisoara-program/>
 - Report released
- VSTA school (September 2023)
- Several STSM

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Deliverables

- D5 Comparison of the approaches used in the international Software Verification competition SV-COMP (m-18)
- CICM paper + wiki
- D6 Software prototype for the automated inference of program specifications as logical axioms (m-24)
- Report to be delivered
 - Software in progress
- D7 Collection of verification challenges with summary of working recipes for verifying them (m-48)
- Initial steps
- D8 Technique for syntax-semantics interface for program verification with or without type (m-48) systems

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Year 3

- WG3 meeting - Dresden (Germany) - February
Bring together industry designers and researchers on formal methods to share ideas and experiences on how to improve the tools to reduce the barrier to adoption of formal methods
- WG2-WG3-WG5 - Proof systems for mathematics and verification - Lausanne (Switzerland) - June
Bring together industry designers and researchers on formal methods to share ideas and experiences on how to improve the tools to reduce the barrier to adoption of formal methods