

AI-assisted Assurance Case Development

Online Training

10 December 2025, 9:00 – 15:00 CET / 8:00 – 14:00 GMT

Assurance cases are used in many domains to manage and demonstrate system safety, security and compliance. You can develop them manually or assisted with AI tools that may increase the speed of argument development and also improve its quality.

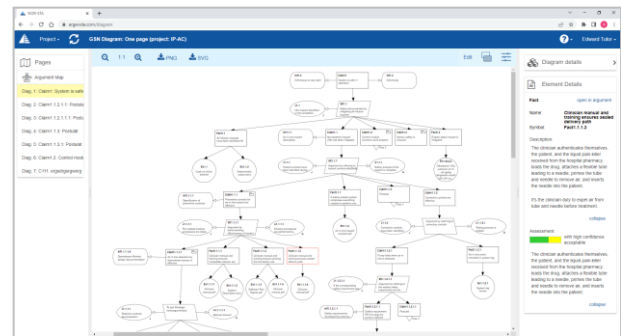
During the training you will learn about the main scenarios of AI interactions during assurance case development in PREMIS. We will discuss possible pitfalls, as well as how to manage them and ensure high-quality arguments.

Who should attend the training?

The training will help you improve the quality of your assurance cases. We welcome engineers and assurance professionals who develop assurance cases, as well as reviewers and qualifiers.

The course program

- Introduction to AI assistants, service security
- AI capabilities and its possible roles
- Work with AI assistant and other AI tools
- The effective development process
- Context-awareness and the use of evidence
- Managing argument quality
- Scalability with AI tools
- Summary of the best AI practices



During the training we will work on sample projects with an AI assistant in PREMIS, analysing possible approaches and best practices. Each participant will have an individual account in PREMIS and will be able to practice the discussed techniques on their own. We will look from the perspective of a developer and a reviewer to find optimal solutions that lead to strong and compelling arguments.

Learning outcomes:

- Understanding of the role of an AI assistant in the assurance case development process
- Knowledge of main scenarios of cooperation with AI tool during assurance case development
- Skills to develop high-quality arguments and control weak points of AI assistants

Prerequisites

- Basic understanding of assurance cases and GSN
- Prior knowledge of the PREMIS assurance case tool would be useful but it is not required.

To register please fill in the [Training Registration Form](#).

For more information about our trainings please visit our website: www.argevide.com/training