

Support to Product Assurance and Quality Assurance @INAF

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ABSTRACT

The **SPAQA** (Support to PA & QA activities @INAF) is an initiative designed to facilitate, promote, and advance the implementation of product assurance and quality assurance in astronomical projects where INAF is involved. The initiative is supported by INAF employees and associated partners who share the same interest for these disciplines and the desire to establish a centralized service where they can put their experiences and competences at INAF's disposal.

Product Assurance (PA) and is the discipline devoted to the study, planning and implementation of activities intended to assure that the design, controls, methods and techniques in a project result in a satisfactory degree of quality in a product [Ref. ECSS].

Quality Assurance (QA) is part of quality management focused on providing confidence that quality requirements will be fulfilled [Ref. ISO 9000:2015].

PA & QA activities must be planned since the initial project phase and carried out throughout the entire project lifecycle, until its closure. They require a significant amount of FTE and specialized skills that are not always easily found among INAF staff. This situation points out the need to optimize the available resources, share the acquired skills, and plan the enhancement of PA & QA capacity in INAF.

OBJECTIVES

- Establish a network among PA&QA experts willing to transfer their know-how and share experiences;
- Establish a centralized INAF PA&QA department with the responsibility of sharing know-how and supporting project teams;
- Foster and organize professional development trainings for PA&QA practitioners;
- Creation and maintenance of templates for facilitating the preparation of PA and QA documentation;
- Creation and maintenance of an INAF repository containing reference regulations and standards (e.g. ISO, IEC, ECSS, ...) necessary for the application of PA&QA provisions, as well as their availability and licensing;
- Procurement of PA SW tools accessible to all INAF project teams.

INAF SPAQA networking

An initiative for ensuring high quality and success in astronomical projects by collaborating among PA&QA people in INAF creating a community

If you are working in Product and Quality Assurance for ground-based and/or space missions contact us for know-how sharing and to participate to open discussions on dedicated PA&QA topics

Contact point

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Information

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Scheda INAF: SPAQA



**INAF SPAQA Team
Projects involvement,
among others**

Ground-based
ANDES, ASTRI, CTA+/CTAO,
CUBES, MAVIS, MORFEO,
SPHERE



Space
ANIME, ARIEL, ATHENA,
EnVisS – Comet
Interceptor, EUCLID,
ExoMars2020-MicroMED,
eXTP, IOSDC, IXPE,
MUSE, PLATO, Theseus



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