Solar Polygeneration Collector for Combined Heat, Power, Hydrogen Fuel and Wastewater Treatment

SPECTRUM

Risk Management and Quality Assessment Plan – M18 update

Prepared by:

Laboratório Nacional de Energia e Geologia, I.P.

March, 2026

Funded by the European Union

SPECTRUM has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement no. 101172891.

Disclaimer

Copyright Notice

Funded by
the European Union

Risk Management and Quality Assessment Plan – M18 update

Project Acronym	SPECTRUM
Project Title	Solar Polygeneration Collector for Combined Heat, Power, Hydrogen Fuel and Wastewater Treatment
Grant Agreement no.	101172891
Deliverable no.	D7.16
Dissemination Level	SEN
Deliverable type	Report
Delivery date	March 2026
Lead beneficiary	LNEG
Author(s)	Cardoso, João P. (LNEG)
Reviewer(s)	Behi, Mark (BV)
Suggested citation	Cardoso, J.P. Risk Management and Quality Assessment Plan – M18 update. Deliverable 7.16, SPECTRUM Project Consortium, 2026

Document history:

Version	Date	Status
V0.1	23/01/2026	Initial draft
V0.8	02/03/2026	Draft for review
V0.9	09/03/2026	Final draft after implementing comments, ready for editing
V0.9.1	09/03/2026	Final draft after editing, ready for approval
V1.0	17/03/2026	Final report

Funded by the European Union

Public Executive Summary

Resulting from the work carried out in Work Package (WP) 7 - Project coordination, management and quality assurance, this report, Deliverable 7.16, Risk Management and Quality Assessment Plan – M18 update, provides an updated version of the main procedures to be adopted by the project consortium partners to manage risks associated with project activities and to ensure consistency and high-quality for all project activities, with particular emphasis on the project reports.

Risk Management

Recognizing and identifying risks is a crucial part of project management and a continuous process that enables the anticipation of situations that may affect the normal progress and completion of the project activities and associated goals. To be successful, project risk management needs to identify, assess, manage and monitor events that can compromise the project objectives and the timing, costs and quality of project tasks. Therefore, SPECTRUM risk management will encompass four key activities:

1. Risk identification;
2. Risk analysis;
3. Response planning and implementation;
4. Risk monitoring and reporting.

The Steering Committee (SC), together with the Project Coordinator (PC), will be responsible for the risk management process, ensuring monitoring and control of risks throughout the project. The Work Package Leaders (WPL) are responsible for the implementation of the work within their WP and, as a general rule, are also responsible for the risks associated with the activities and results of their WP.

A risk register will be used to record the risks, their status and the partner(s) responsible for monitoring and/or implementing mitigation strategies. The Steering Committee will review this table regularly during its meetings and jointly with all partners during the General Assembly meetings.

Quality Assurance

Each partner is responsible for ensuring the highest quality in their project activities and results. To support this objective, a comprehensive set of quality assurance procedures has been established to guarantee that the project consistently meets its objectives and delivers high-quality outputs, such as deliverables and milestone reports. SPECTRUM's quality assurance framework is a multi-faceted approach based on: periodic meetings; regular scientific and technical reports; active involvement of WP and Task leaders; standardized templates and file naming conventions; an internal review process for deliverables and milestones. This integrated approach ensures that all project activities

Funded by
the European Union

and outputs are aligned with the consortium's quality standards and contribute effectively to achieving the overall project objectives.

Funded by
the European Union