



KM3NeT – INFRADEV – H2020 – 739560

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Abstract

In this report we address the special ethics request of the Commission at the Grant Agreement Preparation stage, 7.3 The applicant must ensure that appropriate health and safety procedures conforming to relevant local/national guidelines/legislation are followed for staff involved in this project.

I. COPYRIGHT NOTICE

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II. DELIVERY SLIP

	Name	Partner/WP	Date
From	Rob van der Meer	NWO-I	19-09-2018
Author(s)	Rob van der Meer	NWO-I	19-09-2018
Reviewed by	PMB		24-09-2018
Approved by	PMB		08-10-2018

III. DOCUMENT LOG

Issue	Date	Comment	Author/Partner
1	19-09-2018	first draft	R. van der Meer/ NWO-I
2	24-09-2018	updated draft	E. de Wolf / NWO-I
3	09-10-2018	final	R. van der Meer/ NWO-I
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IV. APPLICATION AREA

This document is a formal deliverable for the GA of the project, applicable to all members of the KM3NeT INFRADEV project, beneficiaries and third parties, as well as its collaborating projects.



V. TERMINOLOGY

A complete project glossary is provided at the following page: ???

NWO-I	Stichting Nederlandse Wetenschappelijk Onderzoek Instituten, coordinator in this project.
ARBO	Arbeid Omstandigheden wet, Dutch Workplace Health and Safety law
FAU	Friedrich-Alexander-Universitaet, Erlangen, Nuernberg, Germany, partner
UVEG	Universitat de Valencia, partner

VI. PROJECT SUMMARY

KM3NeT is a large Research Infrastructure that will consist of a network of deep-sea neutrino telescopes in the Mediterranean Sea with user ports for earth and sea sciences. The main science objectives, a description of the technology and a summary of the costs are presented in the KM3NeT 2.0 Letter of Intent [1]. Following the appearance of KM3NeT 2.0 on the ESFRI roadmap 2016 and in line with the recommendations of the Assessment Expert Group in 2013, this proposal addresses the Coordination and Support Actions (CSA) to prepare a legal entity and appropriate services for KM3NeT, thereby providing a sustainable solution for the operation of the Research Infrastructure during ten (or more) years. During the EU-funded Design Study (2006 - 2010) and Preparatory Phase (2008-2012), a cost-effective technology was developed, deep-sea sites were selected and the collaboration was formed. This proposal constitutes a second Preparatory Phase. The project will be carried out within the context of the current KM3NeT collaboration which already has a provisional implementation of the management and governance of the Research Infrastructure in place. The resources provided by the EC will be complemented by collaboration funding.

VII. EXECUTIVE SUMMARY

In this report, we address the special ethics request of the Commission at the Grant Agreement Preparation stage, 7.3 The applicant must ensure that appropriate health and safety procedures conforming to relevant local/national guidelines/legislation are followed for staff involved in this project.

We knew from the beginning and show in more detail in this report that all work in this project will be performed in office environment, so no special health and safety rules are applicable.



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1. Introduction

The KM3NeT – INFRADEV proposal described the KM3NeT infrastructure and its location deep in the Mediterranean Sea. These words triggered the Ethics committee. The project therefore was required to answer the following question:

7.3. The applicant must ensure that appropriate health and safety procedures conforming to relevant local/national guidelines/legislation are followed for staff involved in this project.

The KM3NeT – INFRADEV project is designed to create a legal entity for the KM3NeT infrastructure during construction and operation.

While it is very useful for the legal entity to have strict rules and regulations and to follow (inter)national rules, regulations and legislation, especially for a legal entity that builds and governs an infrastructure at the bottom of the deep sea, in the current KM3NeT – INFRADEV project, which is preparing for a legal entity for the future KM3NeT observatory, there are no activities that require to safeguard personnel other than working in office spaces.

We will address the question in a bit more detail than this general answer.

2. Plan

With this report, we plan to address the issue raised by the commission that we should provide ensurance that appropriate health and safety procedures conforming to relevant local/national guidelines/legislation are followed for staff involved in this project.

Since this is normally not asked in EC projects, we suspect the issue is raised because the KM3NeT Infrastructure is constructed at the bottom of the Mediterranean Sea.

Although the KM3NeT INFRADEV project itself only involves office and travel activities we will address some of the safety issues linked to the KM3NeT infrastructure construction and maintenance.

We asked all partners to describe the locations where project activities are carried out by their employees or visitors.



3. Results

Laboratory work

Partner UVEG stated that for technology transfer activities in WP9 some work is performed in their laboratory. Employees are obliged to follow health and safety legislation described in Law 31/1995, 8 nov.

Office work

All partners confirm that all other activities in the KM3NeT – INFRADEV project only involve office work. Some partners mentioned the relevant rules and regulations.

- Partner UVEG states that all employees have to follow health and safety legislation described in Law 31/1995, 8 nov.
- Partner NWO-I states that all employees have to follow health and safety regulations described in the ARBO law and norms.
- Partner FAU stated that employees are subject to the health and safety regulations imposed by German and Bavarian law.

Work underwater

There is no personnel involved in activities under water in the KM3NeT – INFRADEV project.

Work at sea.

There is no work directly related to the KM3NeT – INFRADEV project that requires people on the project budget to work on ships.

If KM3NeT infrastructure related work is performed on a ship, the persons involved are instructed to follow naval rules and regulations. The captain of the ship is ultimately responsible for their health and safety and the persons on board have to follow the captain's orders. The movie and pictures used for outreach purposes in the KM3NeT – INFRADEV project that are shot on the ship during instrument deployment or other activities were taken on the account of the KM3NeT collaboration and made available to the KM3NeT – INFRADEV project afterwards.

Travel

Probably the most dangerous of the KM3NeT – INFRADEV activities is travel to meetings. The employees of all partners are encouraged to travel cautiously and follow international legislation and local regulations.



4. Deviations from the plan

This question could have been answered on the first day of the project. As the deliverable was only due at month 13, it was postponed and keeping open the possibility that an updated answer would come along, or that we found at least one issue to properly address, it was forgotten even longer.

5. Lessons learned

What you can do on the first day, do at the first day and if changes occur, report on the changes.

6. Next steps

If the legal entity will have personnel, they will be instructed in the bylaws to follow the appropriate rules, regulations and legislations on health and safety.

7. Conclusion

It is difficult to address an issue that does not seem an issue in this project. It is however good to put it on the list of possible issues to address at regular intervals, just to monitor if the situation might have changed.

