

# MYRRHA - CERN collaboration day, 27 February 2020

Proposal: "working group title"

CERN Participants: ..., ...

MYRRHA Participants: ..., ...

# Topic: ...

- Radiation monitors needed for MINERVA facility (radiation area monitors and environmental monitoring)
- Sharing experience on fire safety strategy.
- Reviewing of SCK documentation on topics related to environmental impact analysis both in normal operations and accident conditions.
- Sharing experience on initiating events for accelerator facility and ISOL type facility. Specific attention on fire initiated event and their frequency of occurrences. Sharing experience on oxidation process.

## **Goal:**

- Reviewing of the SCK documentation and CERN advice on selection of the detectors. Based on decision taken follow up of using CERN experience.
- Using the CERN developed tools on simulating the fire and retention processes during an accident occurrence. SCK participation to FIRIA project initiated by CERN.
- Reviewing of the SCK documentation and CERN advice on the topic of environmental impact
- Simulation perform by SCK using measurements on the stack during the oxidation experiments performed by CERN

# Collaboration proposal

## Timeline:

3-4 months reviewing and the decision on the type, number and location of the detectors

3-6 months use the CERN fire tools and methodology

3-6 months sharing experience on initiating events with emphasise on fire occurrences

1 year sharing experimental data from oxidation process

## Benefit for CERN:

- ...

## CERN contribution:

- CERN resources:
  - E.g. Manpower...
  - E.g. Tests, ...
  - E.g. Estimated cost to CERN, ...
  - E.g. Direct financial contribution to MYRRHA
- CERN technical contact:

# Collaboration proposal

Benefit for MYRRHA:

- ...

MYRRHA contribution:

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  - E.g. Manpower...
  - E.g. Tests, ...
  - E.g. Estimated cost, ...
  - E.g. Direct financial contribution to CERN
- Timeline:
- MYRRHA technical contact: