ID: Type: **Poster**

2.1-P16. SMART TAG FOR THE CHAIN OF CUSTODY OF ON SITE INSPECTION SAMPLES

During an OSI, ensuring the chain of custody of the samples collected in the field is of paramount importance. The labelling of the samples should be easy to use, reliable, resistant to hard weather conditions and should be readable in the OSI laboratory. The actual methodology for the chain of custody implies that the labels of the samples are 2D adhesive barcode, attached to the samples packaging. The barcode is an informative system that needs a pre-existent database for the insertion of the metadata. We propose a new approach for the labelling of the samples with smart plastic tags, that contain all the metadata of the sample and could be read by a optical device. They can also provide authentication features as they are tamper-evident.

Primary author: RIZZO, Antonietta (Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA))

Presenter: RIZZO, Antonietta (Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA))

Track Classification: 2. Events and their characterization