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# of Software Tools to Support Operations at the On-Site Inspection Field Laboratory

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As part of the GIMO software platform, developed to facilitate the implementation of on-site inspection (OSI) search logic, specific applications have been developed to meet the requirements of the on-site field laboratory. Broadly, these provide a framework and tools to meet the requirements of environmental sample chain of custody, and sample management in the laboratory including sample measurement and analysis. The architecture used as a basis for field laboratory applications development, deployment and operation are summarized. Data security considerations are highlighted, with particular emphasis placed on the development of a 'kiosk' application for the laboratory chain of custody tablet, which restricts access to the relevant chain of custody application only. The workflow, together with the tools developed to facilitate the receipt of an environmental sample in the laboratory, its storage, measurement and analysis are presented. Interactions between the GIMO field laboratory application, measurement systems and analysis software ONIAB are highlighted. This paper also addresses the means by which reports generated for a sample are moved to the 'receiving area', reviewed and classified, associated with sample id and then transferred to the relevant 'receiving area' based on classification status and then on to the 'working area'.

## E-mail

aled.prys.rowlands@ctbto.org

## Promotional text

Take a look at the tools developed to support activities in the OSI field laboratory including managing sample measurement and analysis, and recording sample chain of custody.

## Oral preference format

**Primary author:** BLANCHARD, Xavier (CTBTO Preparatory Commission)

**Co-authors:** NG, Jonetta (CTBTO Preparatory Commission); Mr RIEDMANN, Robin (CTBTO Preparatory Commission); ROWLANDS, Aled (CTBTO Preparatory Commission); Mr SUKHOTSKYI, Oleksandr (Instrumental Software Technologies, Inc. (ISTI)); Mr VASILYEV, Serhiy (Instrumental Software Technologies, Inc. (ISTI))

**Presenters:** NG, Jonetta (CTBTO Preparatory Commission); ROWLANDS, Aled (CTBTO Preparatory Commission)

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