1.1 TITLE OF WORKSHOP:

The LMAP Initiative: Utilizing Esri GIS to store, manage, acquire, analyse and visualise your *RIEGL* LiDAR data.

1.2 ORGANIZERS:

Kelly Gaussen, 3D Product Specialist at *RIEGL* International GmbH, kgaussen@riegl.com; Francois Stroh, MD Horts Geo-Solutions, francois@horts-solutions.com

1.3 SCOPE AND TOPIC:

The advancement of Esri technology in the 3D and online world has closed the gap between GIS and 3D data. The LMAP (LiDAR Management and Analytical Processing) Initiative aims to utilize the very best GIS technology to create web-based applications for multiple LiDAR projects.

Store las files in the cloud or on your own server, as well as organise your projects and associated metadata in one easily accessible, easy to make, and completely customizable web application for in-house or client-side communication and data sharing.

The workshop will introduce the audience to the concept of LMAP and provide examples of how various *RIEGL* owners are using this initiative to increase their productivity, client feedback and in-house communication efficiency.

1.4 RATIONALE:

a.   *Why is the topic current and important?*

Currently, the most common form of storing and sharing remotely sensed data is through the use of hard disks. This physical sharing of large data is tedious, and while data capture technology and techniques are improving, storage and transfer on physical media is simply not sustainable nor efficient. LMAP demonstrates a web-based environment that grants users access to all their project-relevant spatial data including geo-located remotely sensed data and metadata. The topic showcases an ability to integrate the world of GIS and *RIEGL* LiDAR through an industry leading, easy-to-use platform.

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b.   Why the workshop may attract a significant number of submissions of good quality?

No submission necessary.

c.   Why the workshop may attract a large number of attendees, in addition to the authors?

Web-based customisable GIS applications that integrate LiDAR projects and are easy to make and use

d.   Why the workshop differs from others; i.e., related workshops and conferences of similar topic?

The improved integration and workflow between *RIEGL* LiDAR and the Esri ArcGIS platform offers attendees the opportunity to learn how to leverage existing software to solve their data management challenges and improve the value they obtain from their scanners.

1.5   PLANNED FORMAT OF WORKSHOP

The workshop will involve a PowerPoint presentation, an LMAP demo with customer examples and the opportunity for Q&A.

1.6   WORKSHOP POTENTIAL WEBSITE ADDRESS

https://riegl.maps.arcgis.com/apps/Cascade/index.html?appid=5201367a9d7a43398e4117c91184bb2f