

# **Cadastrre 2.0 – Leveraging New Technology for Efficient, Comprehensive Cadastral Systems**

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## **SUMMARY**

A properly functioning cadastre is essential for securing rights in land and property, wealth creation, and contributing to better land and environmental management. Less than a quarter of the population is supported by a well-functioning cadastre. There are many reasons – institutional inertia, lack of appropriate legislation, poor leadership and poorly designed land information systems. New technology can support rapid change and be an important enabler, providing new capabilities, deploy rapidly, and drive efficient operations. This presentation will discuss new GIS technology that drives cadastral 2.0 systems. Benefits of Cadastre 2.0 include – • Multipurpose – serving a wide range of needs beyond just defining parcels. • Data Quality Improvement – improve data quality through defined workflows. • Standards – work with standards consistent with LADM and STDM. • Cloud Computing – leverage cloud data and computing resources. • SDI – provide the foundation an NSDI. • Advanced analytical functions – provide for all types of spatial analysis • Mobile Computing – enable efficient data transfer to and from the field. • Citizen Engagement – provide for citizen communication and transparency.