"Geospatial Information for a Smarter Life and Environmental Resilience"
Increasing Cadastral Survey Productivity to Tackle Undocumented Land Rights Worldwide: a Case Study (9940)

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Trimble Inc
The current cadastral workflow, from prep through deliverable production, is fraught with inefficiencies.

**Prep**
- Getting data/equipment to the right people at the right time

**Field**
- Time consuming process to update changes in the field

**Quality Control**
- Multiple iterations required between field and office

**Deliverables**
- Manual deliverable production and processing
Through our project work we have identified three capabilities to increase productivity in the cadastral workflow:

**Map Based Data Collection**
- Penmap Data Collection Software

**Data Validation and Verification**
- Automated Validation Wizard customized to project data model

**Streamlined Deliverables**
- Custom data import and export with backend systems
For Ordnance Survey Northern Ireland we delivered a solution for 35+ crews in 12 months delivering 30% reduction in return trips.

- **35 Crews**
- **Panasonic Toughpad + Penmap, Leica Receivers + Optical**
- **17,335 Map Tiles**
- **22+ New Workflows introduced**

Trimble solved the following challenges for OS Northern Ireland:

- Data management
- Speed of data collection in the field
- Data quality and validation issues
- Multiple trips between field and office
- Manual deliverable processes
Thank you,

Please let’s discuss further!