

FIG WORKING WEEK 2019

22-26 April, Hanoi, Vietnam

Presented by the FIG Working Week 2019,
April 22-26, 2019 in Hanoi, Vietnam

"Geospatial Information for a Smarter Life
and Environmental Resilience"



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Increasing Cadastral Survey Productivity to Tackle Undocumented Land Rights Worldwide: a Case Study (9940)

Stephanie Michaud
Trimble Inc

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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

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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

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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

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Thank you,

Please let's discuss further!

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