INTELG WORKING WEEK 2017

Helsinki Finland 29 May – 2 June 2017

Application of Internet+ Field Survey Technology

in China's Land Management

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Surveying the world of tomorrow -From digitalisation to augmented reality







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Contents

- What we have done in land survey?
- Why we do it in land survey?
- How we do it?
- The application cases.









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Background: China Annual Land Use Change Survey.



1.State purchase remote sensing data.



2.State monitor land use change.



3.Local carry out land survey.





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I. What we have done in land survey?

- The design and implementation of Internet+ field land survey technology.
- Application in China's land survey and illegal land use inspection.
- Integration of survey information acquisition and quality inspection.





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• 2. Why we do it in land survey?

- Benefit game between central and local government
- Low timeliness and high cost caused by multiple inspections and repeated verification
- Requirements of land survey: Authenticity, Accuracy, Speediness, and Efficiency









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♦ 3. How we do it?

- Five-element proof provision: Person, Time, Device(smart phones), Coordinate, and Direction.
- Mobile Internet, cloud services, and 3S (RS/GIS/GPS) integration technology.
- Survey and proof information are encrypted and transmitted over Internet and then stored on cloud servers.





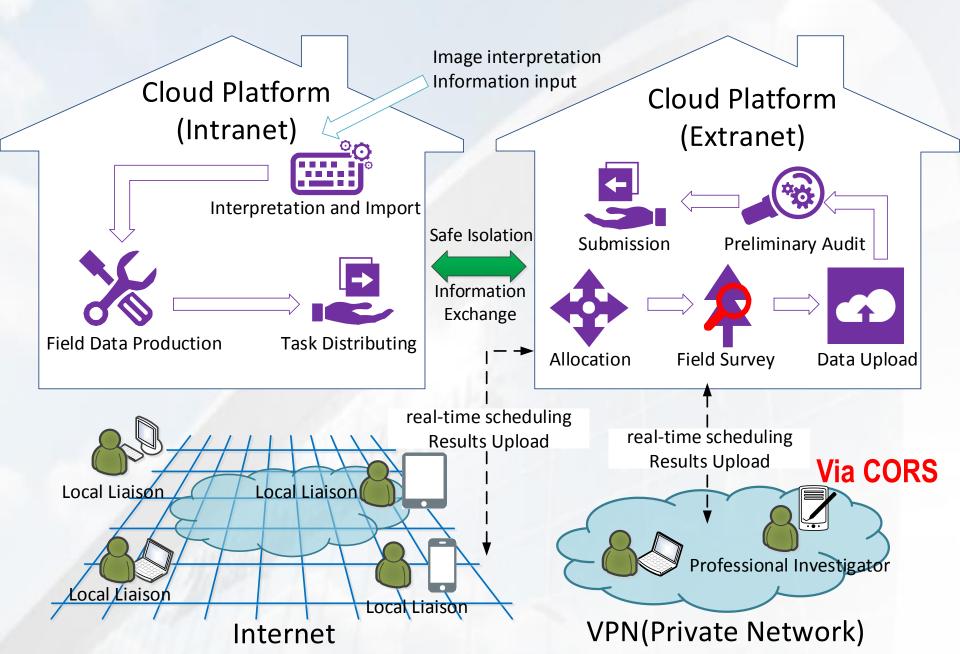




Technical Process of Internet+ Proof in Land Survey



Overall Technical Framework for Internet+ Land Survey



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4.The application cases.

The field survey and verification of the land use in 2016 China Land Survey.

The field verification, proof provision, and review of suspected illegal land use in China land management.





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The End Thanks!

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