

FIG WORKING WEEK 717-21 MAY SOFIA BULGARIA

FIG has always acknowledged "change" as a reality of our world:

"Timing" is introduced as the crucial factor in our theme

- □ In 1938: the role of the surveyor in the social order of today.
- 1990s: information society; globalization; shaping the change; facing the challenges, engaging the challenges.
- 2015: respond to change; respond intelligently.















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Investigate the Change

Geospatial information is recognized as the tool to address issues like :

- Population growth
- Rapid urbanization
- Tendency of development to cluster within the coastal zones
- Rapid response to natural disasters
- Interconnectivity



Photo: Kathmandu Living Labs

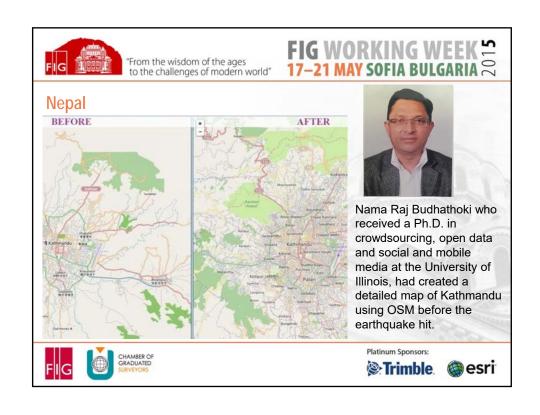
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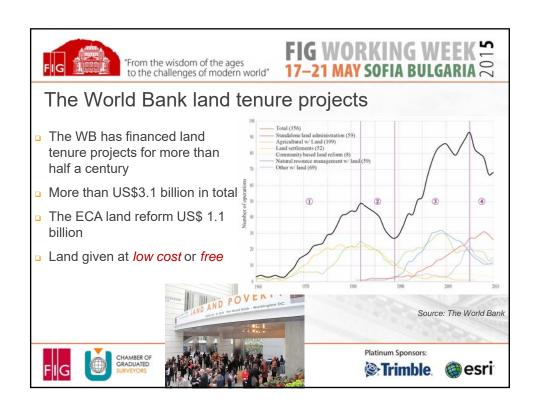


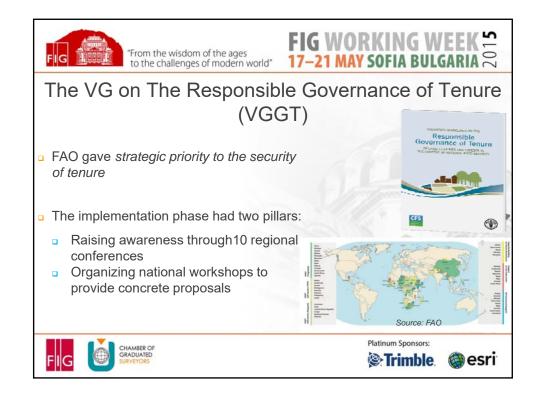














- people are free to choose where they will live and work Population growth at a rate of 5 million every
- Limited capacity of authorities to provide affordable urban land & affordable housing





month





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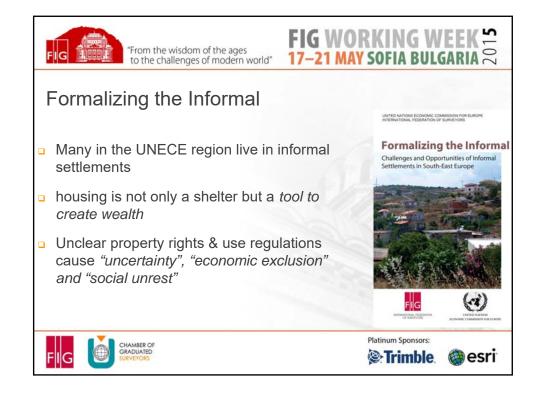
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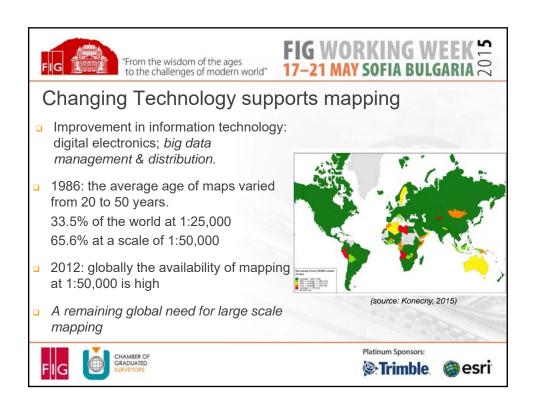




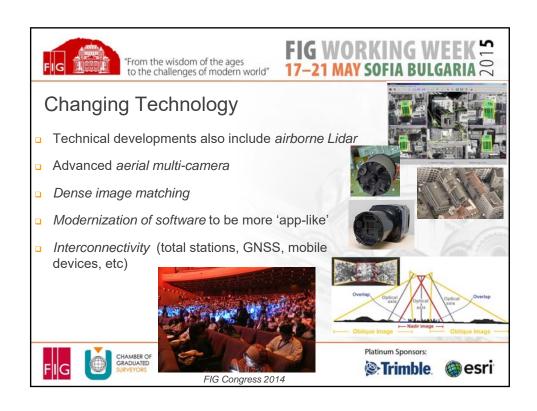














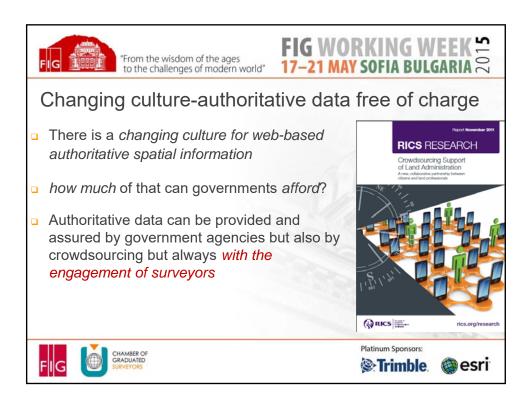






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Surveyors in city management

- Professionals in geoinformatics are expected to develop expertise and capacity building in reliable and reusable information provision.
 - DSMs
 - GIS
 - UAV apps
 - mobile mapping services
 - 3d/4d city models
 - smart "apps"

- Building Information Modeling (BIM)
- measurement standards
- installation of sensors in smart buildings
- the Internet of Things
- using sensors in web 2.0
- mobile social sensing











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Surveyors in city management

- Global construction volume is expected to be US\$12 trillion by 2020.
- BIM in activities such as cost planning and budget estimating, value management, risk management and calculation, bid documentation, commercial management and contract administration, dispute resolution, etc.
- BIM enhances team collaboration and understanding among various professionals as well as better information management, reduction of errors and time requirements.
- Combining BIM with Land Administration

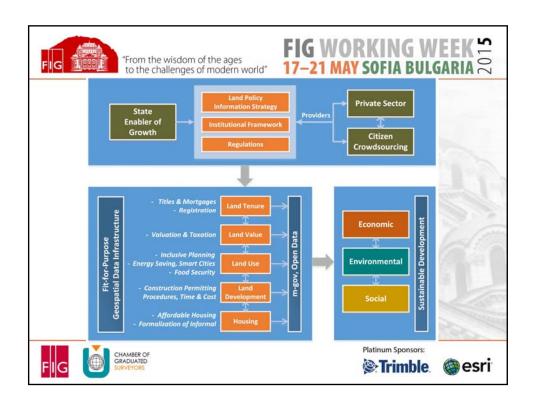














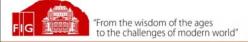


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Our Vision

- It is urgent that the surveying profession will think ahead, predict future changes, foresee the requirements of the next generation of the public and structure the way ahead
- It is the purpose of FIG to lead "global" surveyors capable to contribute to an ambitious post-2015 global sustainable development agenda
- During the 2015-2018 time period FIG, its council and commissions, member associations, academic members, YSs, CDN, affiliate and corporate members will strive to achieve the FIG Vision to contribute to the post 2015 global sustainable development agenda













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We all thank You







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