

# The ROLE of SURVEYING and SPATIAL TECHNOLOGY for EMERGENCY MANAGEMENT and RESPONSE

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SSSI – NT Regional Chair

18 May 2016



# Welcome to NT Spatial 2016

- Today's Proceedings
- Thoughts on Emergency Management / Response
- Special thanks to our - Presenters, Delegates and Sponsors
- Housekeeping



The Role of Surveying and Spatial Technology for Emergency Management and Response



# Proceedings

- 9:10 **Paul Terawsky** - Assistant Director, Security and Emergency Recovery, Department of the Chief Minister, Northern Territory Government of Australia. **Introducing Emergency Management in the Northern Territory of Australia**
- 9:40 **Robert (Bob) Evans** - A/Chief Operations Officer, Northern Territory Police, Fire & Emergency Services. **Emergency Management arrangements within the Northern Territory**
- 10:10 **Peter Madsen** - National Account Manager, LISTECH Pty Ltd. **Imagery gives a thousand measurements**

10:40 <b>Mark Deuter</b> - Managing Director, AEROMETREX Pty Ltd.	<b>Sponsors Update</b> <b>AEROMETREX</b>
<b>Morning tea 10:45 to 11:05 (20 minutes)</b>	

- 11:05 **Bill Kmon** - Director / Project Manager, Harris Kmon Solutions Pty Ltd. **Project Management & coordination for the post-cyclone recovery of Ramingining and Galiwin'ku**
- 11:35 **Daniel Gerich** - Director / Chief Controller, UberAir. **Improvement of serviceability of remote communities**
- 12:05 **Anthony O'Flaherty** - Service Delivery Manager, Senior Consultant & Trainer, Esri Australia; SSSI NT Regional Committee member. **Rapid Damage Assessment: mobile applications and operational dashboards for situational awareness**
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| 12:30 <b>Todd Smoker</b> - Senior Technical Sales Consultant, WA Survey/UAV, C.R.Kennedy Survey Solutions. | <b>Sponsors Update - UAV Technology</b><br><b>C.R.Kennedy Survey Solutions</b> |
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**Lunch 12:35 to 1:15 (40 minutes)**

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# Proceedings

- 1:15 **San Kham Hornby** - Biosecurity and Animal Welfare, **Hock Lee** - Senior Analyst, Fisheries Research, Department of Primary Industry and Fisheries, **Shane Penny** - Fisheries Research Scientist, Aquatic Resource Research Unit, and **Miguel Tovar-Valencia** – Mapping and GIS, National Banana Freckle Eradication Program, NTG Department of Primary Industries & Fisheries. **A brief about data model, spatial technology and operations in the NT Banana Freckle Response**
- 1:45 **Amy Peterson** and **Caleb Khu** - Survey Services, Land Information Division, Department of Lands, Planning and the Environment. **Mobilising Surveyors to Action**

Afternoon Tea 2:15 to 2:40 (25 minutes)

- 2:40 **Anthony O’Flaherty** - Service Delivery Manager, Senior Consultant & Trainer, Esri Australia; SSSI NT Regional Committee member. **Spatial 101: From data to delivery and how it all fits together**
- 3:10 **Richard Weston** - Chief Controller UAV Department, and **Heidi Gore** – UAV Survey Technician, AuSurv. **Surveying and UAV technology for Emergency Management and UAV demonstration**

Networking 4:00 pm onwards

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# Emergency Management

- Terminology , definitions .....
  - Emergency versus Disaster
  - Risk management
  - Hazard
  - Vulnerability
  - Resilience



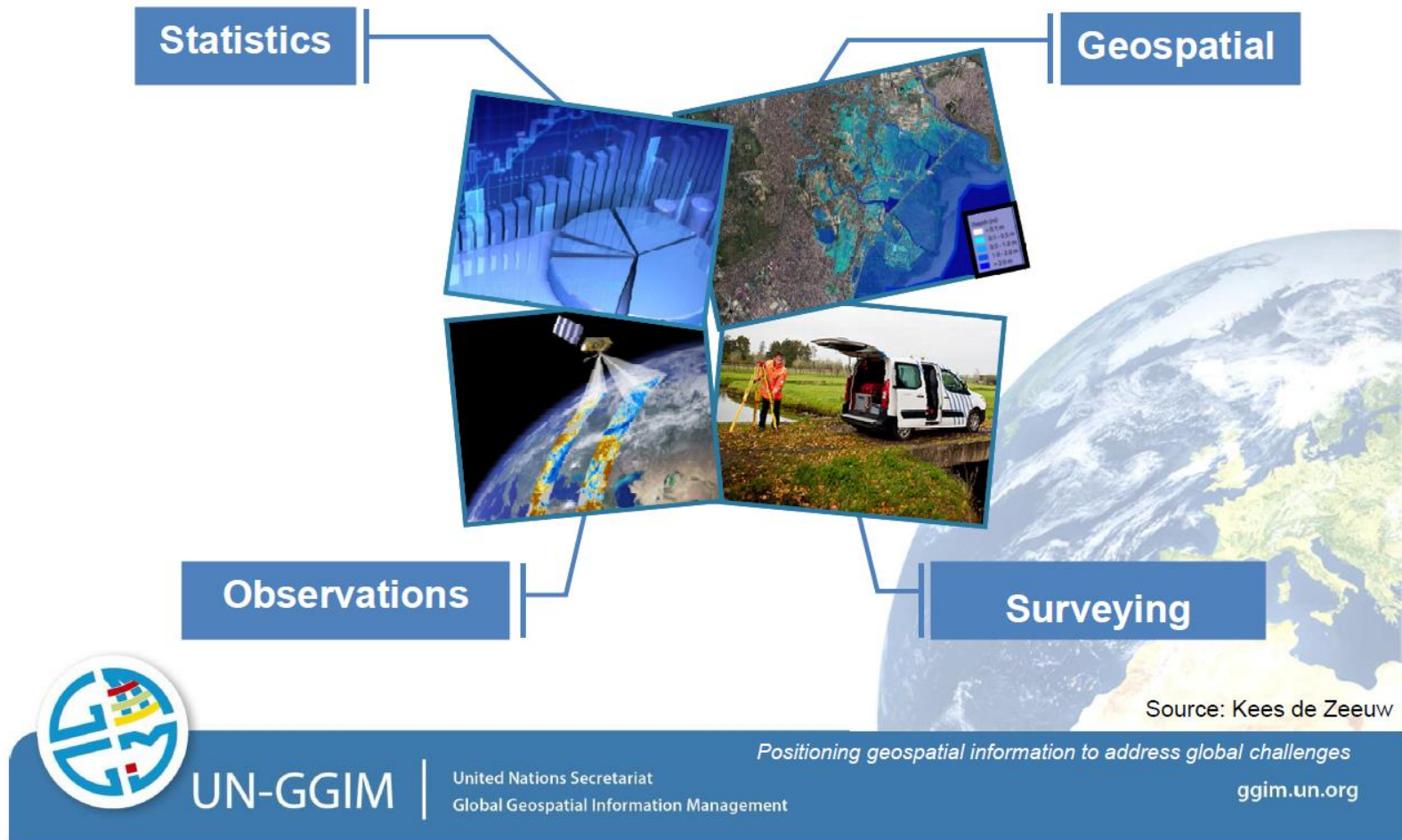
# Emergency Management

- What is the emergency risk management process and / or cycle?
- What are the main elements or components?
- What is the NT management plan?
- How does it rate / compare / link – nationally, regionally, internationally?



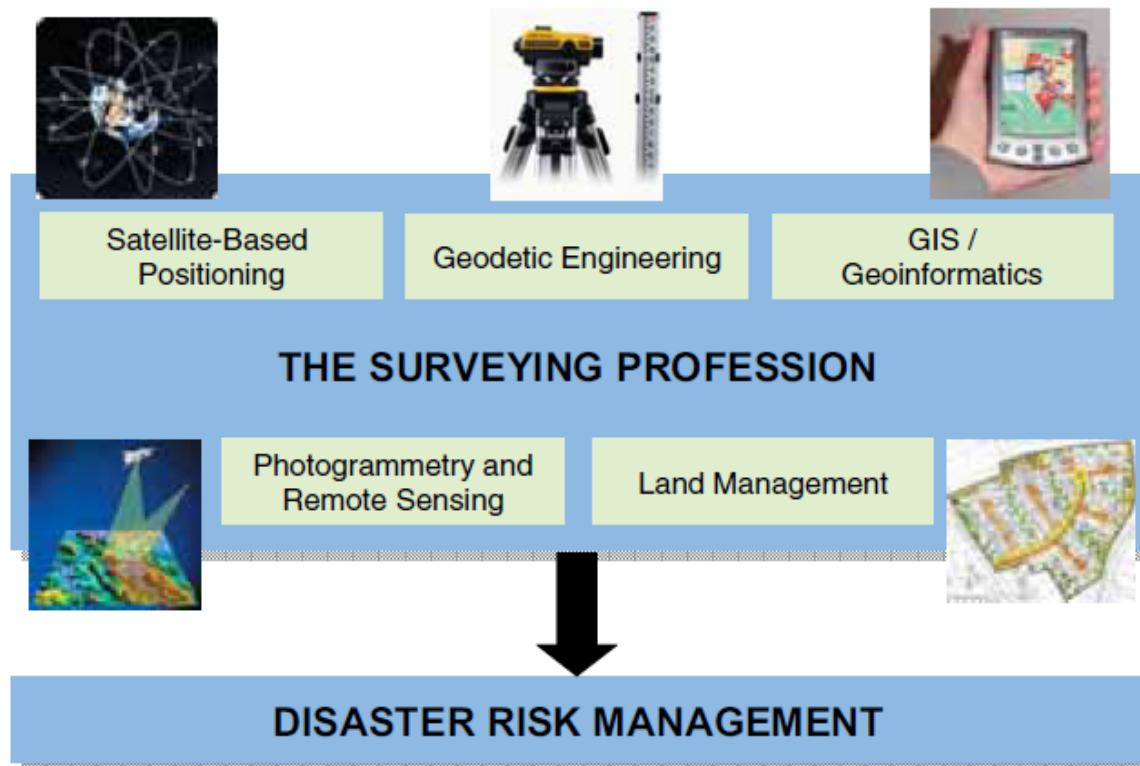


# Integration of Professional Communities



# Emergency Management

- How are these methods and applications relevant?



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# Emergency Management

- How can the NT surveying and spatial industry and professionals contribute?
- What is their role – Land Management? Measurement Techniques? Earth Science?
- Will their contribution be part of a evidence based decision making process? How?
- Is spatial data / information accessible?

# Emergency Management

- Does our spatial and surveying sector have the capacity to deliver?
- What the challenges and obstacles?
- What role / function does “social media” or “crowd sourcing” play?
- What is the way forward ?

# Sponsors



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# Housekeeping !



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