

2016 INTERNATIONAL RANGELAND CONGRESS



Grazing Land Assessment & Management in a High Tech World

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Grazing land assessment & management in a
high tech world

OR

What uses and benefits are we deriving from
high tech?

2016 INTERNATIONAL RANGELAND CONGRESS
17-22 JULY, 2016 | TCU PLACE | SASKATOON, SK



The plenary presentations

- Barry Adams
 - Knowledge as technology
 - Knowledge tools >>> stewards >>> service delivery
 - Climate change adaptation
 - Verification of stewardship practices
 - Building capacity in agency and practitioner
 - ‘sole measure of success will be state of the range’



The plenary presentations

- Ed Charmley
 - Moore's Law vs rangelander characteristics
 - The mobile phone – Australia vs Kenya
 - 'spy in the sky' to useful (essential?) tools
 - 'Digital Homestead'
 - From science to commercialisation to mainstream
 - 'take technology along, bring people along with it'



Papers and posters (64)

- Over half dealing with land resource data acquisition and modeling
- About half have North American affiliations
- Technologies
 - Remote sensing (19)
 - Modeling development/ simulation/ validation (15)
 - Data and information management (5)
 - Field research/ investigation/ management (26)
 - Communication (6)



Learnings

- Huge ability to accumulate data and transform it into information (paddock to global scale)
- ‘operationalising’ and validation of models (STM, GRI)
- Development of accessible information networks (NRM Hub, Alberta package)
- Building cost effective monitoring systems
- People networks (Central Asia)



Some challenges?

- Lots of information building users' capacity and confidence and feedback loops
- Exploiting mobile phone technology (ref. Ann Waters-Bayer)
- Informing ecosystem services delivery and measurement
- Climate change adaptation
- Economic impacts?
- Equity issues – tech rich vv tech poor
- What about fencing, energy and water management etc ...?

