

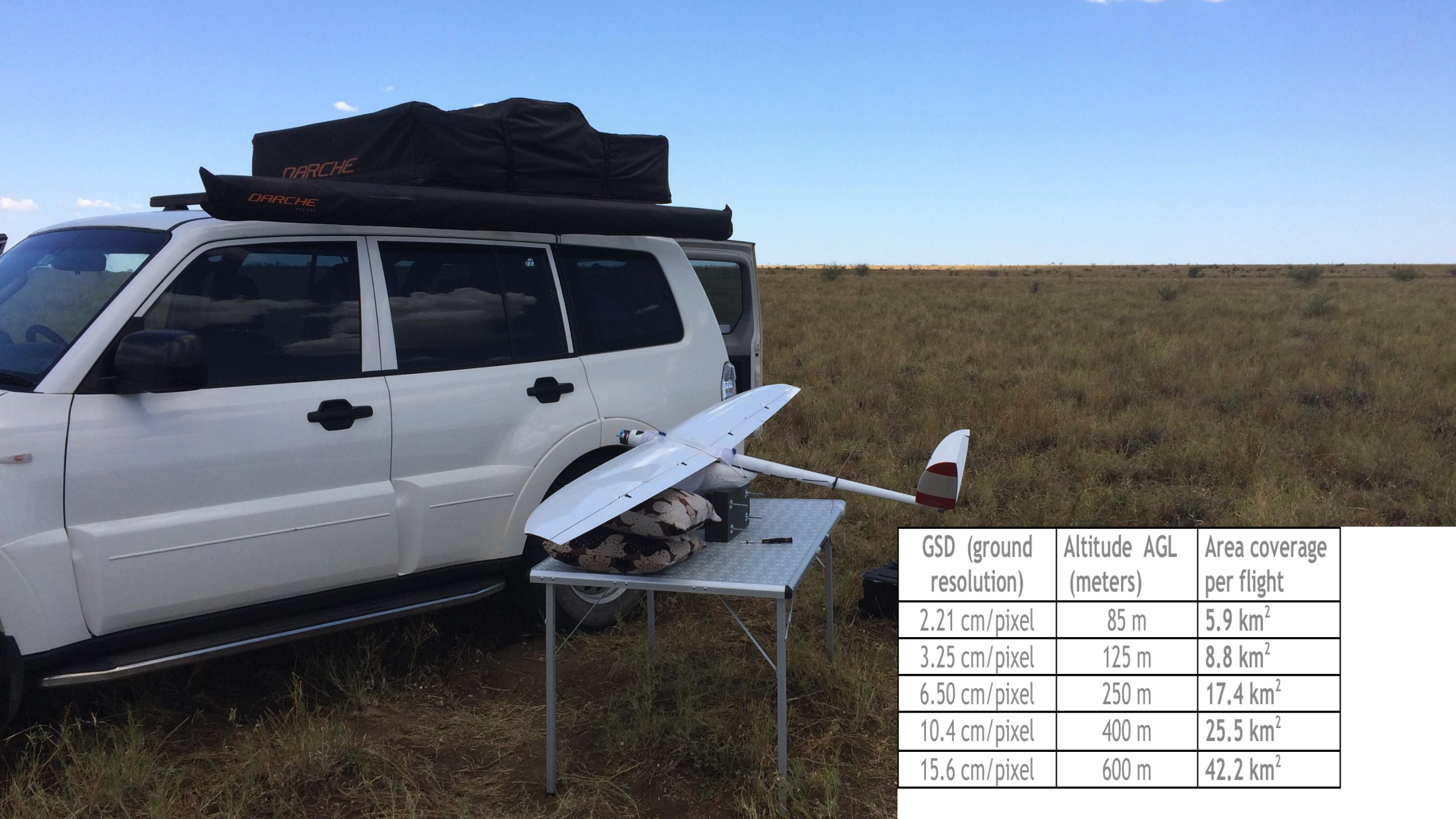
# The impact of RPAS



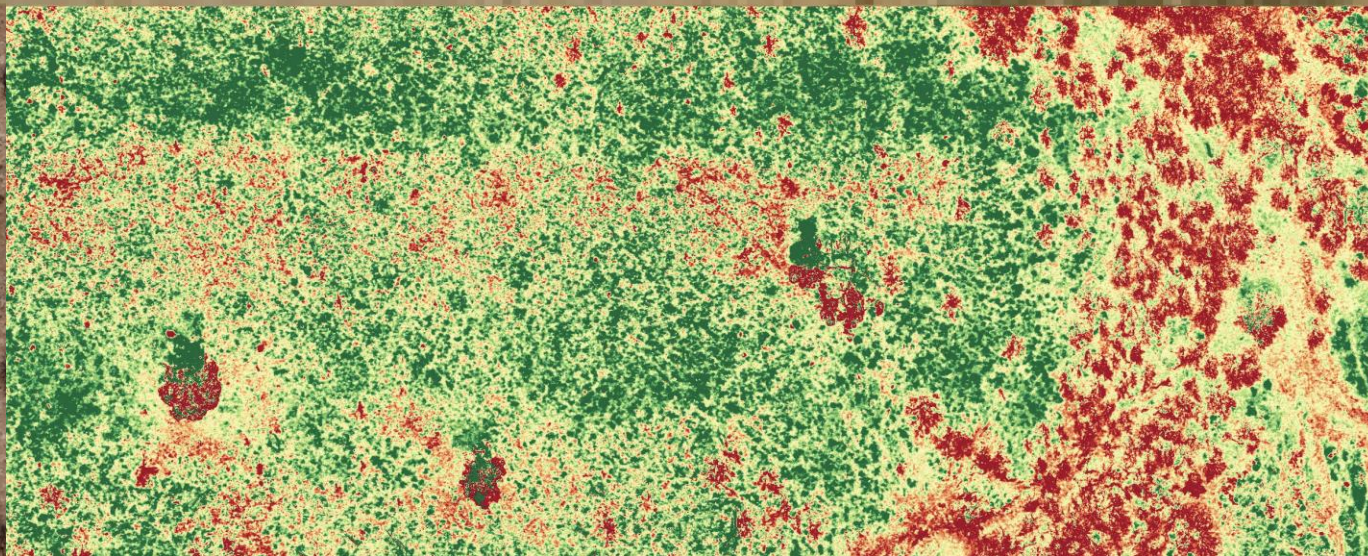
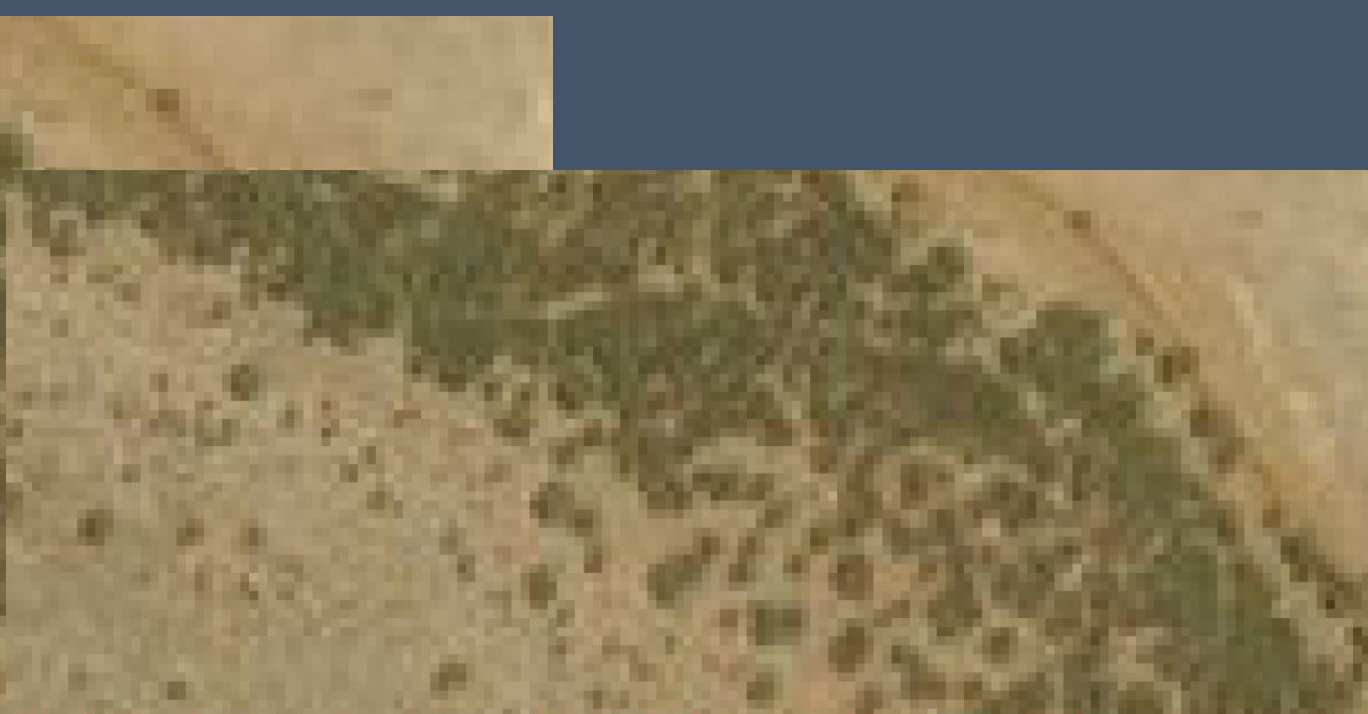
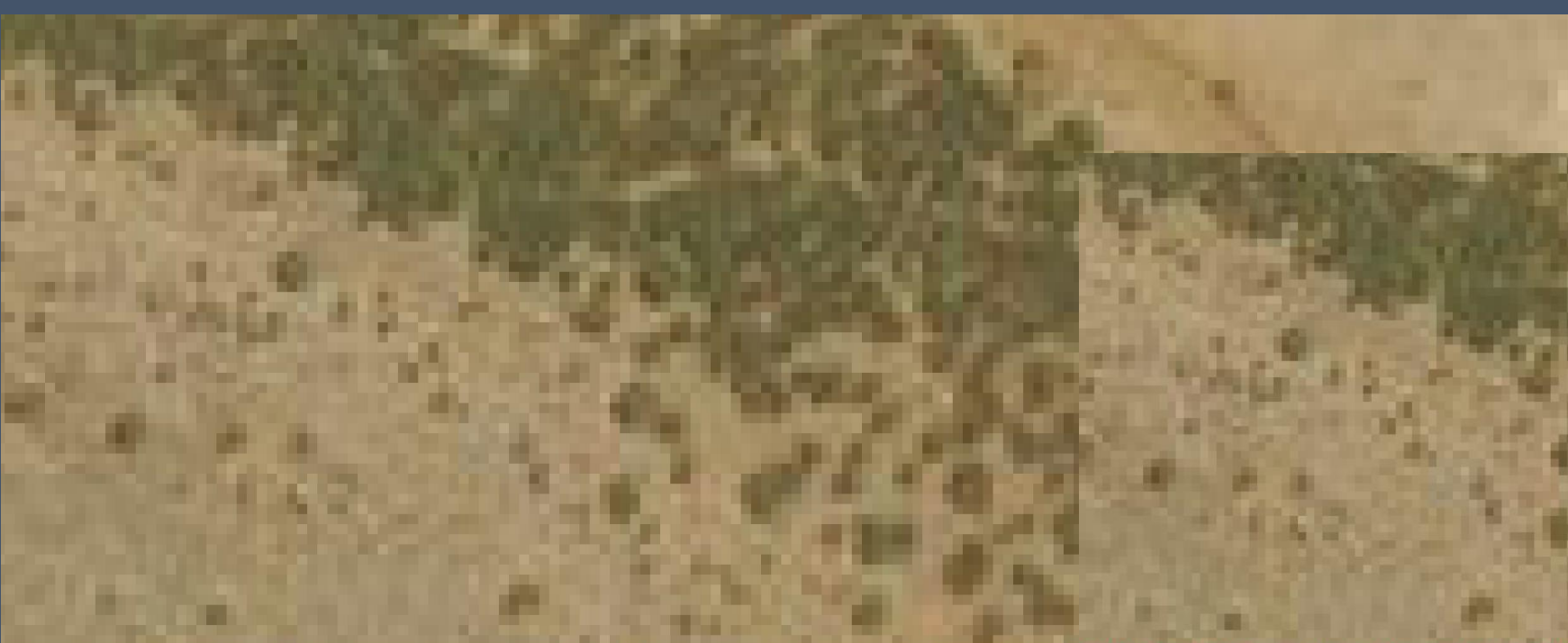
# RPAS – A major technological and data access revolution – the impact of Gen 3

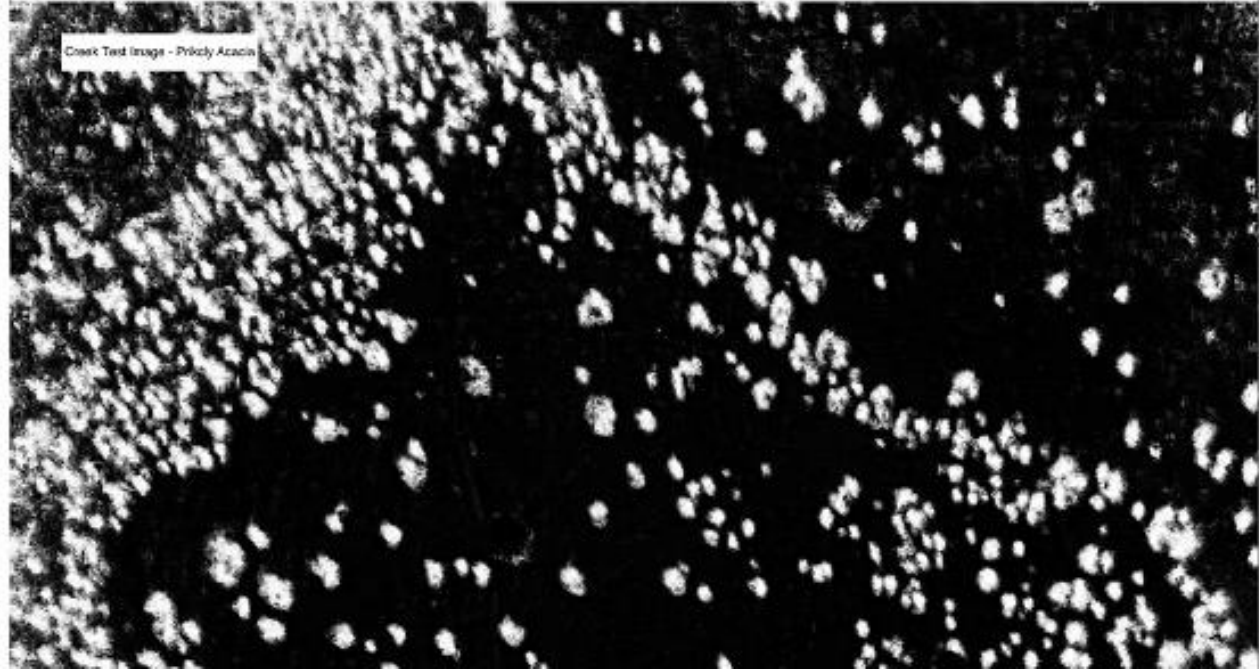
- Over 1500 registered UAV designs across a range of disciplines
  - Trailered designs
  - Increased durability and endurance
- Maturing legislative framework
- Maturing training framework and support network
- Over 200 commercial operators and 100,000 + (?) non commercial operators
- Complimentary access to powerful cheap data analysis and presentation programs





| GSD (ground resolution) | Altitude AGL (meters) | Area coverage per flight |
|-------------------------|-----------------------|--------------------------|
| 2.21 cm/pixel           | 85 m                  | 5.9 km <sup>2</sup>      |
| 3.25 cm/pixel           | 125 m                 | 8.8 km <sup>2</sup>      |
| 6.50 cm/pixel           | 250 m                 | 17.4 km <sup>2</sup>     |
| 10.4 cm/pixel           | 400 m                 | 25.5 km <sup>2</sup>     |
| 15.6 cm/pixel           | 600 m                 | 42.2 km <sup>2</sup>     |













# where to from here?



- Faster data capture and presentation
  - Detection
  - Stock monitoring
  - Pasture and crop performance
  - Infrastructure monitoring
- Emergence of clearer business models
  - Training
  - Support
  - application



# what will make it happen?

- cost effective collection of the data by responsible operators
  - Data collection equipment and programs to analyse the data
- users willing to embrace the technology – *“Technology is our friend”*
- Complimentary legislative and technical solutions to business needs

- **Participate in the conversations**

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