



Our SMART farming future

www.une.edu.au/parg

www.une.edu.au/smartfarm

David Lamb

A presentation for...



<http://promobiledj.com>



3 messages for innovators

3 messages for innovators

- ▶ Stop inventing- start innovating !

3 messages for innovators

► Stop inventing- start innovating !



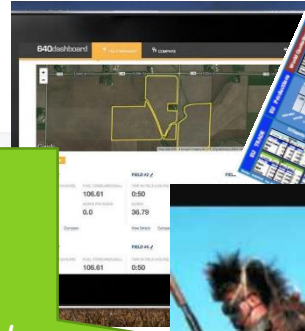
The market place is agile!

3 messages for innovators

- ▶ Stop inventing- start innovating !



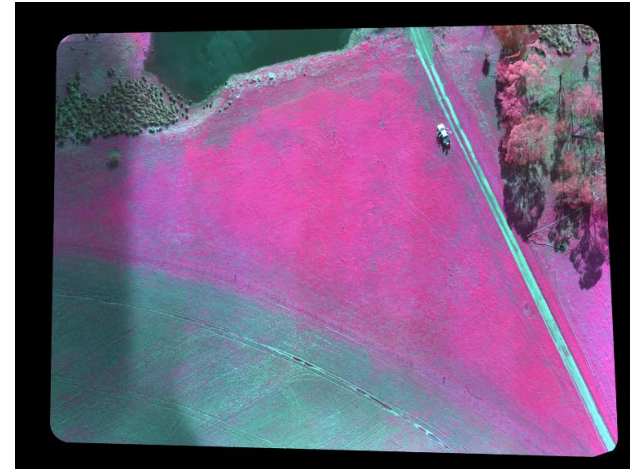
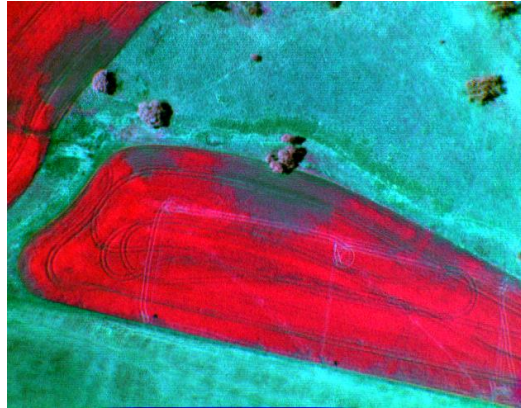
...we dont need
ANOTHER
robot/dashboard



If there is no market failure, harness it, don't re-invent it!

3 messages for innovators

- ▶ There is no future without a past!

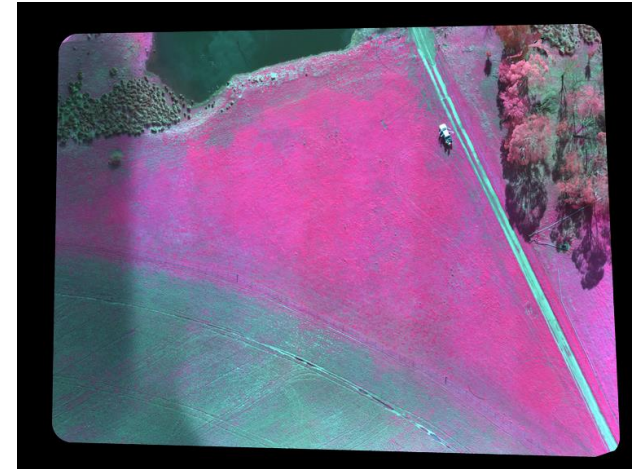
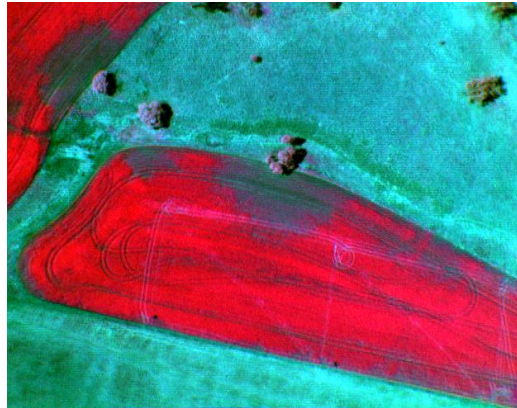


3 messages for innovators

- ▶ There is no future without a past!



MAVS, 1996



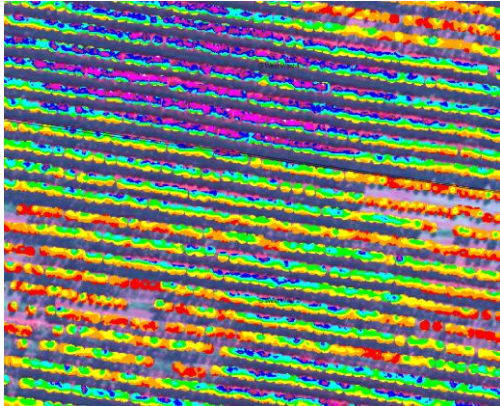
Parrot Sequoia, 2015

3 messages for innovators

- ▶ Start with the end in mind!

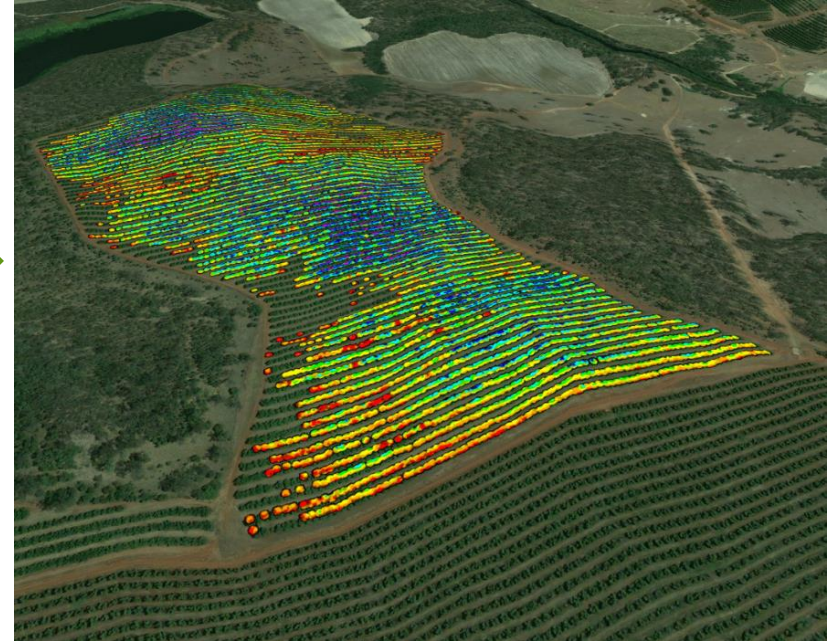
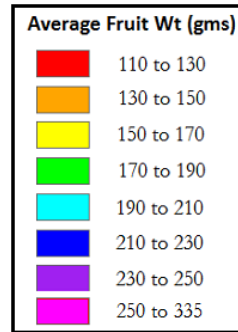
3 messages for innovators

- ▶ Start with the end in mind!



Fruit size- Avocado

(R= 0.86**, P=0.0001)
(n=36, RMSE= 14.7 gms)



Data courtesy A. Robson



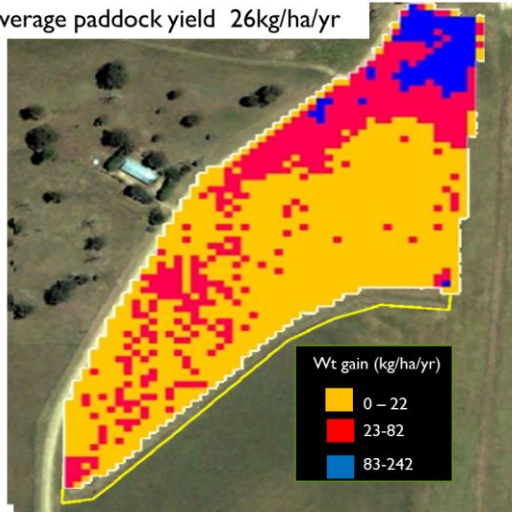
farm

Sustainable Manageable Accessible Rural Technologies

3 messages for innovators

- ▶ Start with the end in mind!

Average paddock yield 26kg/ha/yr



```
00101010 0011010 01001110 00010101 100101110100 100001100010  
0000 00 0111001 00101010 01110011 01011 10010 1110010100  
0100101 111 010010 1001 010 0010 010001010100 0101  
0101001 001 0010101 0101 1110101010 0011001001 11001  
011 1101 0101 1110 100010 1110 01011 10010 00011 001010  
11001010 1001 01 001101 10010 000101 010010 01111 110100
```

farm

Sustainable Manageable Accessible Rural Technologies

3 messages for innovators

- ▶ Start with the end in mind!

Quad bike fatalities:

2011-20 (4-94 yo)
2012-19 (5-78 yo)
2013-21 (5-86 yo)
2014-15 (9-69 yo)
2015-21 (6-75 yo)
2016-7 (18-88 yo)

Safe Work Australia



UNE SMART Farm quadbike

Dashboard

UNE SMART Farm

Logout

UNE SMART Farm quadbike is speeding - May 13, 2016, 3:1 **Alarm**

UNE SMART Farm quadbike is speeding - May 13, 2016, 2:1 **Alarm**

UNE SMART Farm quadbike is speeding - May 9, 2016, 3:02 **Alarm**

UNE SMART Farm quadbike is speeding - May 9, 2016, 2:02 **Alarm**

UNE SMART Farm quadbike is speeding - May 5, 2016, 12:0 **Alarm**

UNE SMART Farm quadbike is speeding - Apr 29, 2016, 12:0 **Alarm**

UNE SMART Farm quadbike is speeding - Apr 29, 2016, 11:0 **Alarm**

UNE SMART Farm quadbike is speeding - Apr 29, 2016, 10:0 **Alarm**

UNE SMART Farm quadbike is speeding - Apr 29, 2016, 9:20 **Alarm**

UNE SMART Farm quadbike is speeding - Apr 29, 2016, 8:10 **Alarm**

UNE SMART Farm quadbike is speeding - Apr 15, 2016, 10:0 **Alarm**

Our farming future is a **connected** farming future

