# Robotics, Lasers, Drones

John PH Reade

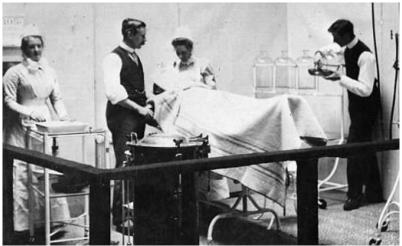
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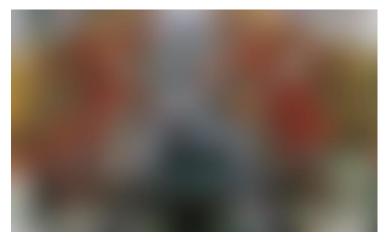
### Toys or Tools?



#### **Robotics and Autonomy**



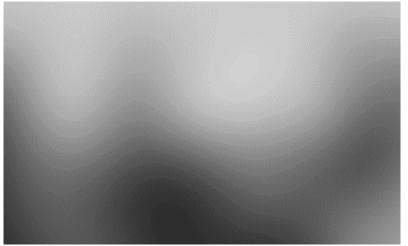






#### **Robotics and Autonomy**



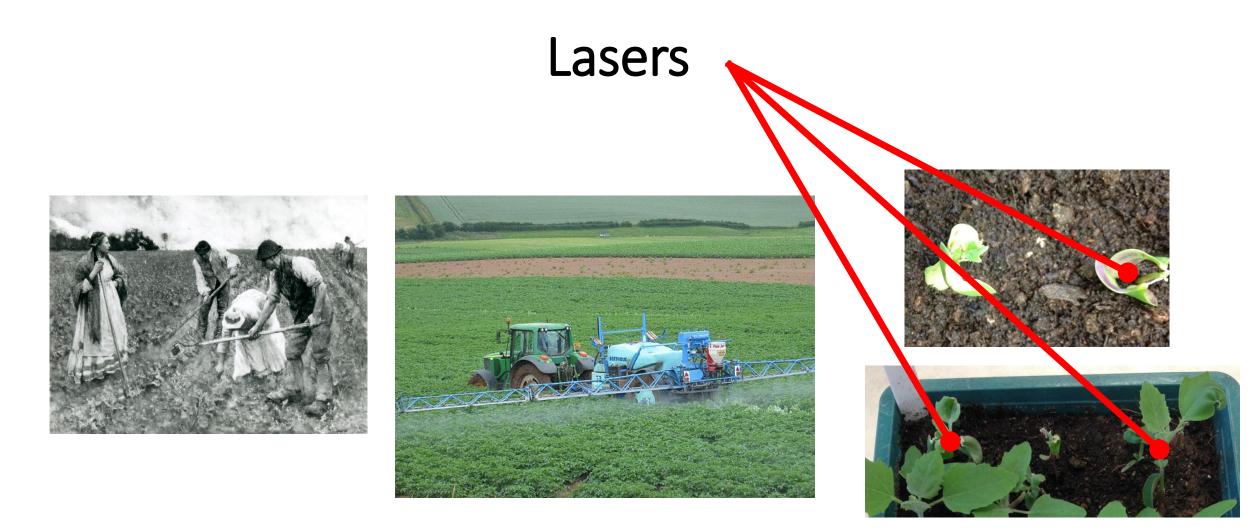




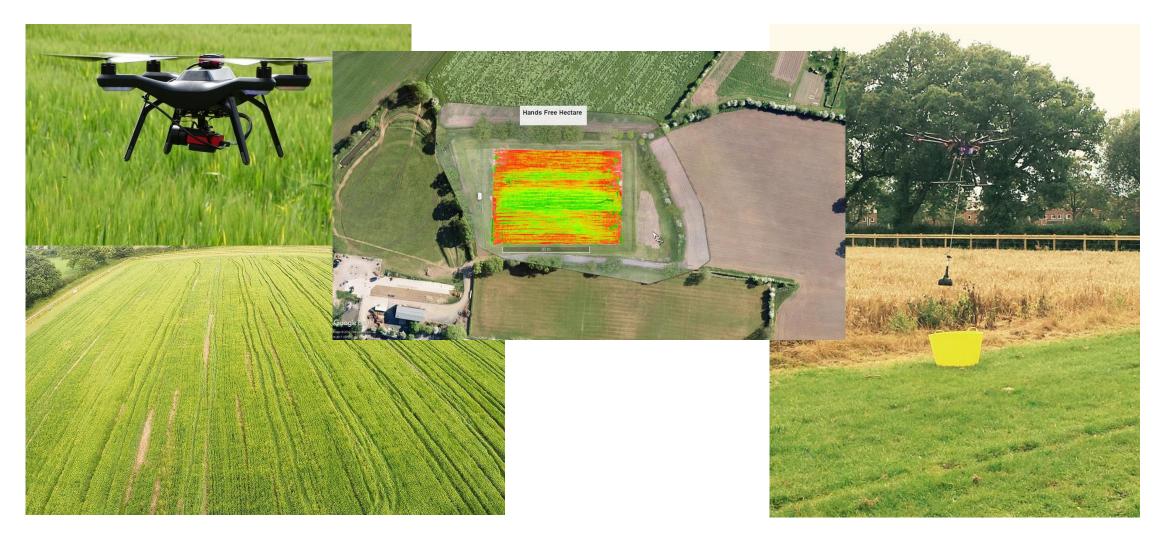


#### **Robotics and Autonomy**





#### Drones



### Toys or Tools?

- Research and Development often swords into ploughshares
- Effectiveness must at least equal what we currently have or are left with
- Reliability potential is to be more reliable that current options
- Affordability prices of core technology are falling; will applied technology follow? This is vital for uptake in large scale agriculture
- Tools, not Toys! Fun tools, but still tools

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