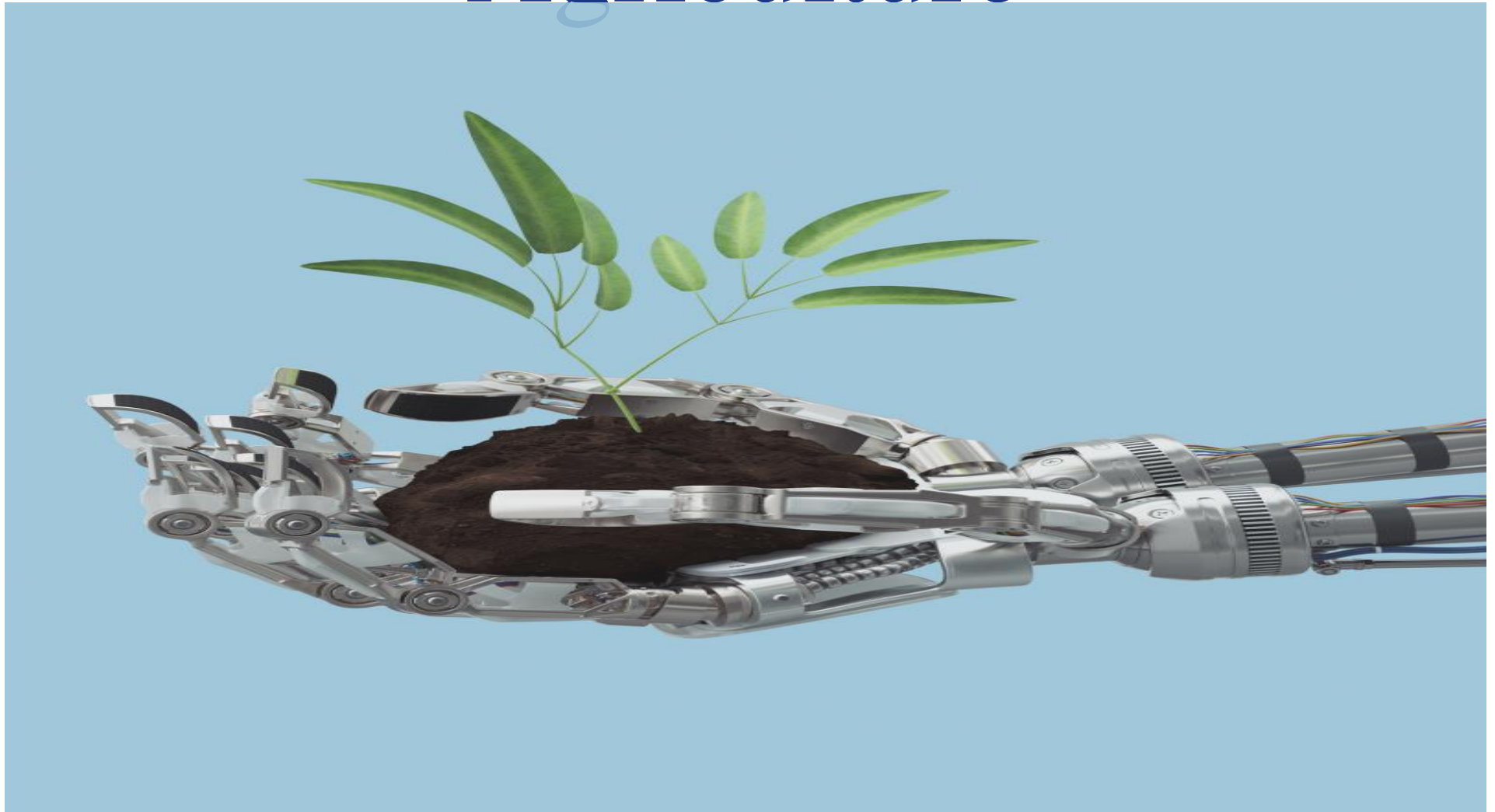


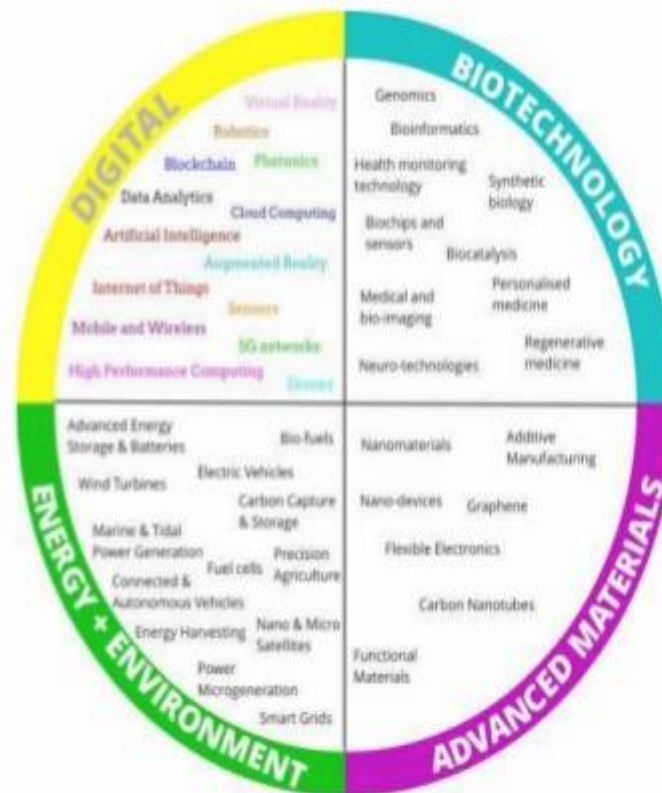
# Impact of Technology in Agriculture



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# The Fourth Revolution of Data and Technology

## The Fourth Industrial Revolution



Source: adapted from OECD STI Outlook 2016

A remarkable range of new technologies are evolving towards commercialisation.

These technologies will provide the basis for the jobs and industries of the future.

Advanced manufacturing processes will play a key role in delivering social, economic and environmental benefits.

Many commentators refer to this transformation as the Fourth Industrial Revolution.

# Digital Technology

- Efficiency
- Profitability
- Accountability

## Statistics by Food and Agriculture Organisation (FAO)

Small farm holding produce 80% of food supply in Africa.

The world's population would amount to over 9 billion by 2050.

We need a 70% increase in current food supply by 2050.

# Targets to meet:

- To overcome problems farmers are currently facing in the aspects of:
  - Data collection & analysis
  - Water sustainability
  - Pest and diseases control
  - Deforestation
  - Labour
- Feeding over 9 billion people



What is the  
solution to our  
problems?

# Different facets of Deep Tech:

- Data Science (DS)
- Machine Learning (ML)
- Artificial Intelligence (AI)
- Internet of Things (IoT)

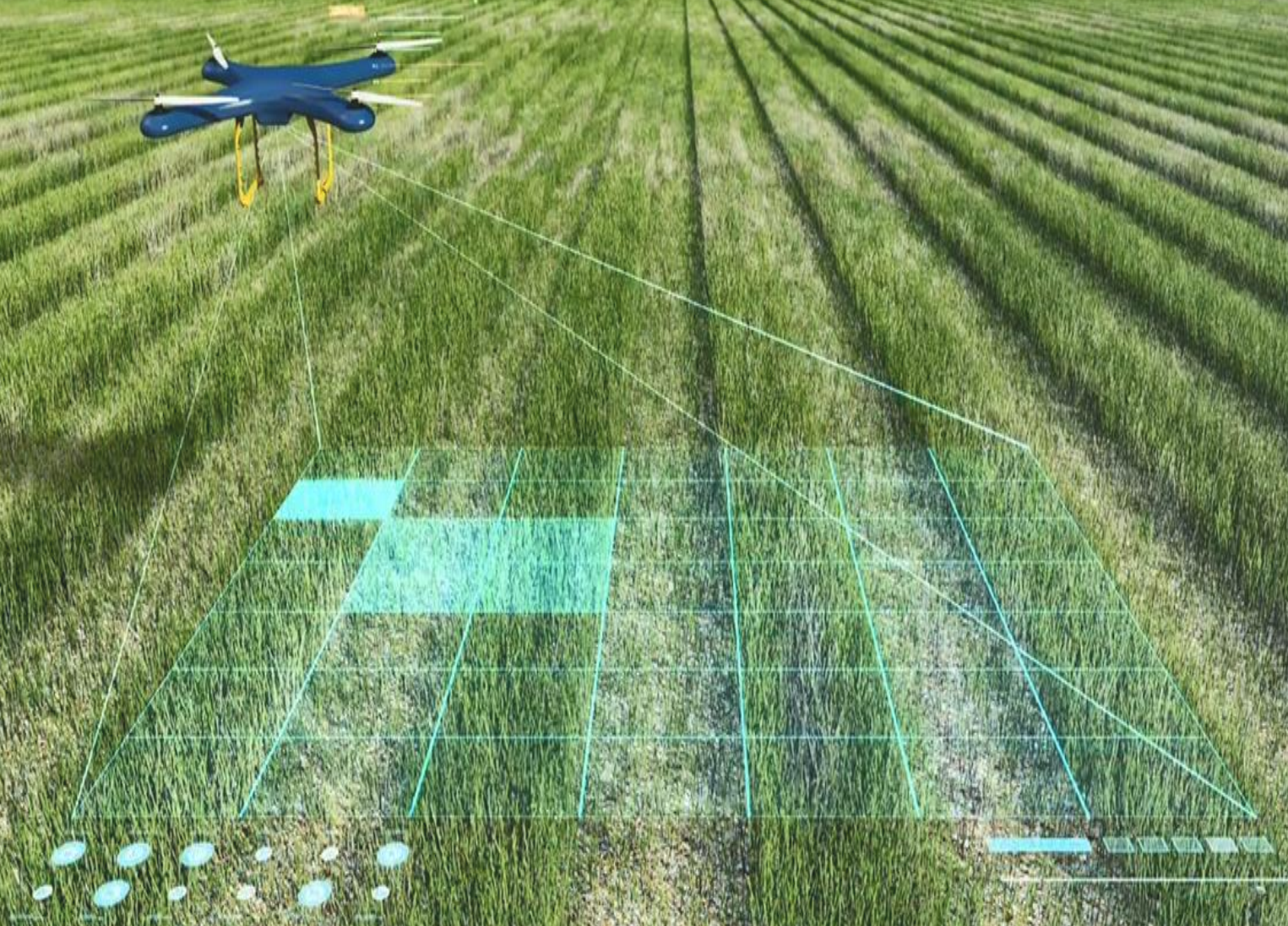






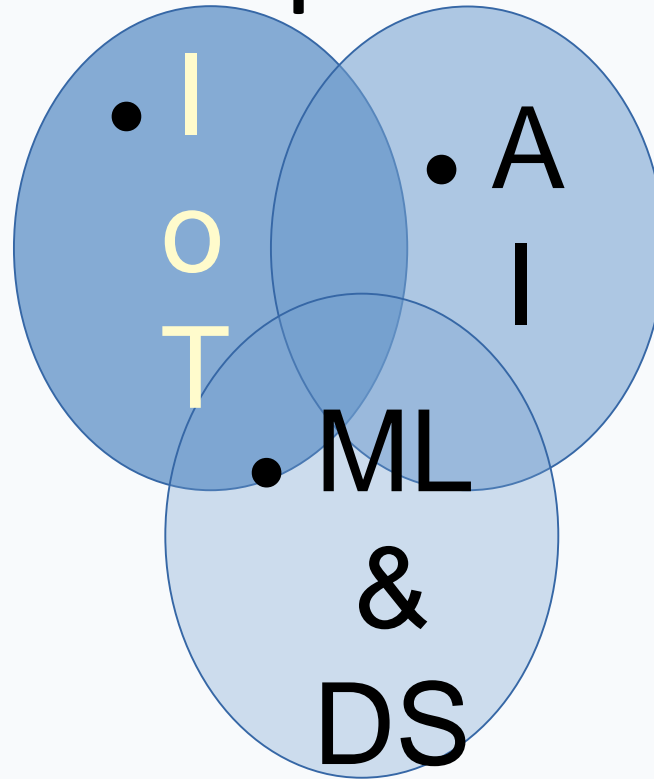








# Deep Tech



# What is the essence of this talk?



Thank you.