Digitalization in rural areas

DIGITAL AGRICULTURE

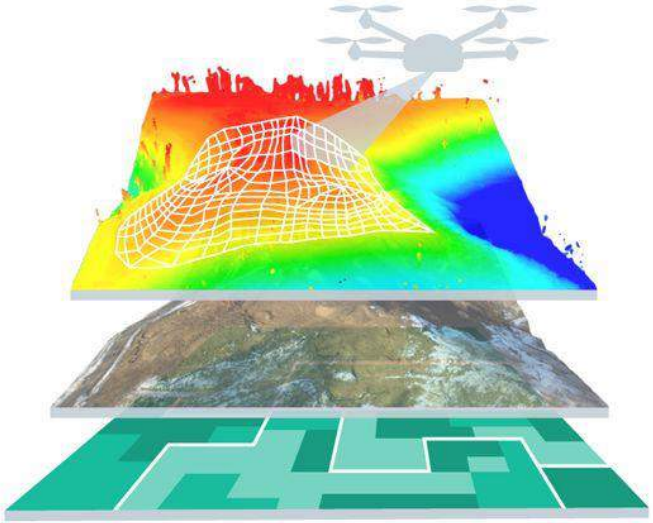
Vancho Naunov- RDN of NM

Numbers game

- Agriculture as a branch covers 40% of the global surface
- Crop irrigation accounts for up to 70% of global water use
- Traditional agriculture operations are responsible for ~18% of all greenhouse gas emissions measured in CO_2 equivalents!
- Processed land is decreasing by 0.8% per year globally, while food consumption is expected to increase for 30% by 2025.

What to do?!?

- Digitalization of agriculture!

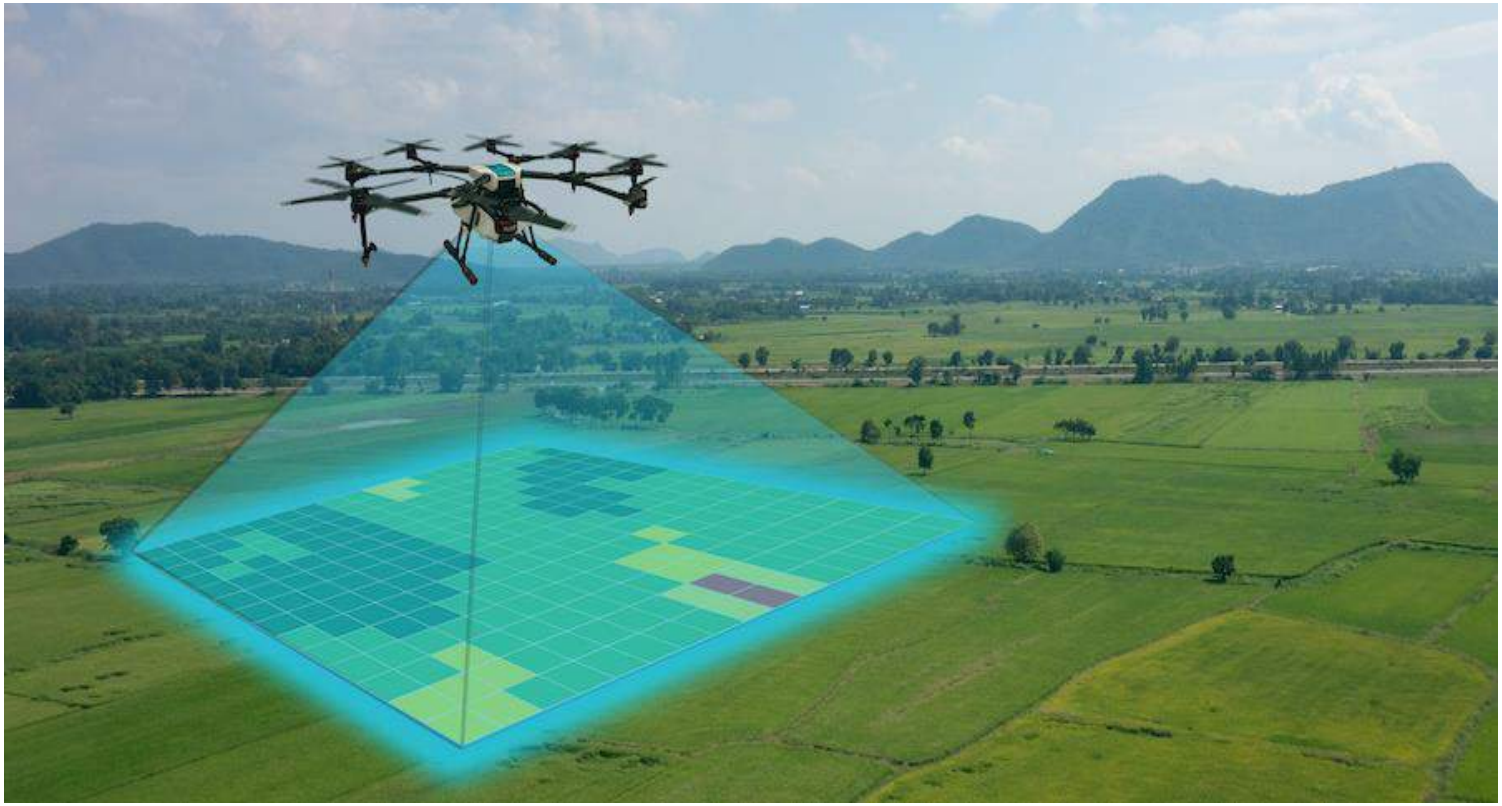


Introduction

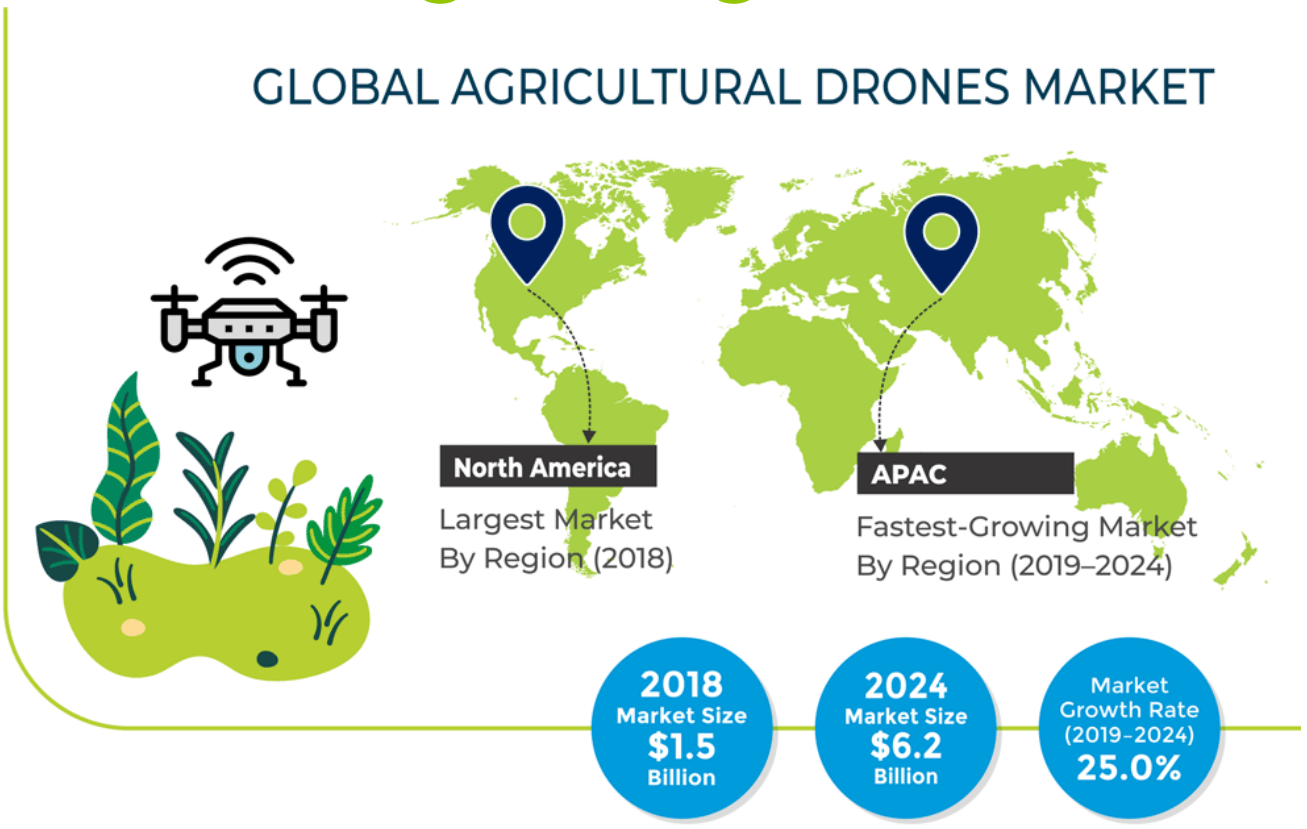
- Agriculture is a series of complex individual but inter-dependent processes.
- Digital agriculture is consisted of:

1. Precision farming
2. Smart farming

Our solution?!



Drones as a fastest growing tool of digital agriculture



Numbers again

- In North Macedonia, agriculture participates with 11% in the annual GDP, and the agricultural production in the last 5 years has averaged 215 million euros per year. The total agricultural plantations in 2020 are 519 848 hectares.
- Less processed land than expected
- Causes

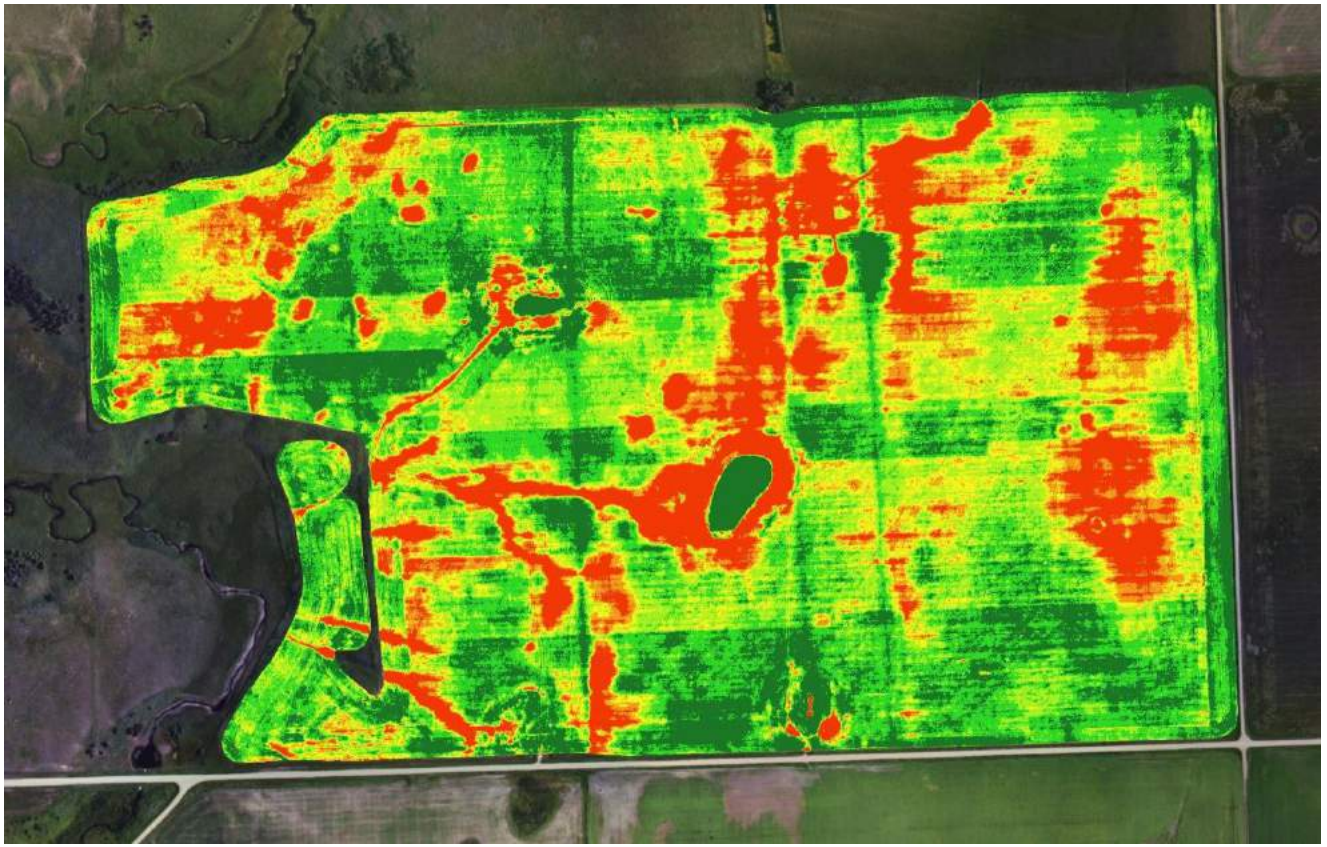
Drone technology in agriculture

- Services provided by drones:
  - 1. Crop irrigation, spraying , seeding;
  - 2. Mapping, survey and analysis of field;

Spraying Agro drone

Agrodron, demonstracija DJI Agras T16.mp4

Mapping and analysis drone



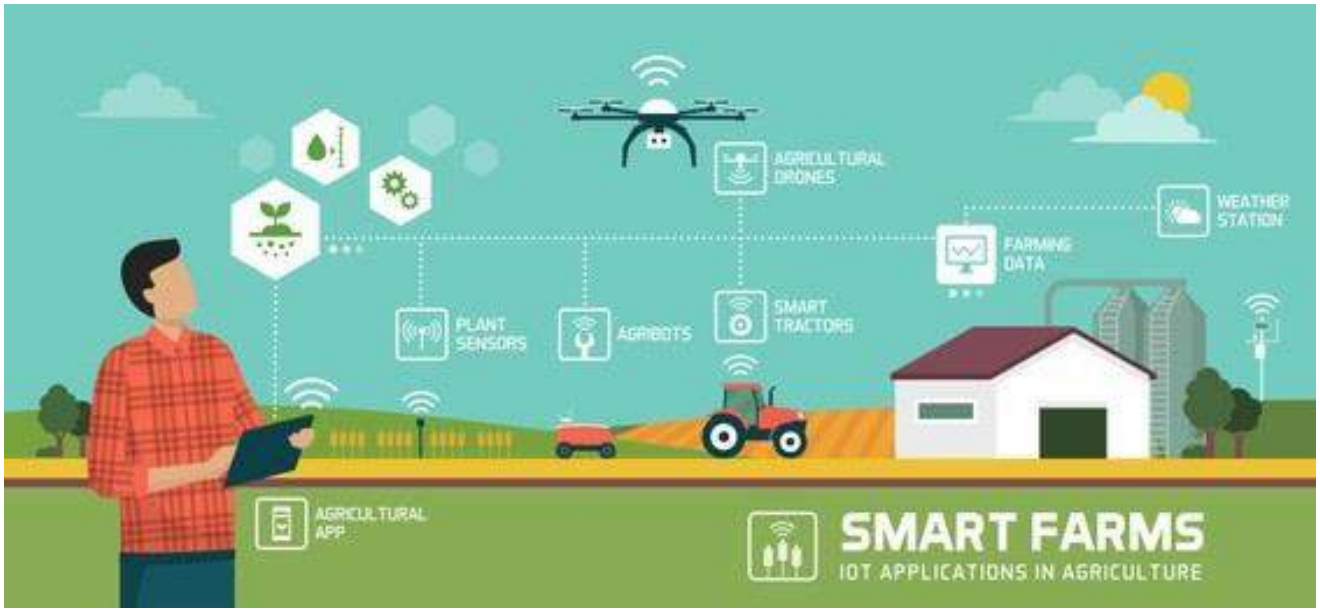
mapping video.mp4

Benefits of applying drone technologies

- Faster, cheaper, autonomous agriculture operations
- No pollution, no safety hazards of intoxicating by chemicals
- Rationalization of operational costs

Final goal

- Establishing of digital farms, improving production and rationalizing costs.



Thank you for your attention.

Vancho Naunov – CEO of