



UAV industry opportunities in Smart Agriculture

UAV Alliance Czech Republic



The largest association for the drone and UAV industry in Central Europe, almost 40 members (universities, research institutes, commercial companies). It represents participants in the increasingly developing UAV industry and creates optimal conditions for research, development, production, trade and cooperation with the aim of developing UAV technologies and applications.



AWARENESS



REGULATION



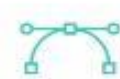
COOPERATION



RESEARCH



EDUCATION



UAV UTILIZATION

ADVANTAGES DRONES IN AGRICULTURE



High flexibility using drones



Lower costs



Control of mapped outputs in the field



Flight plan repetition/automation



High resolution of images



Geospatial data outputs

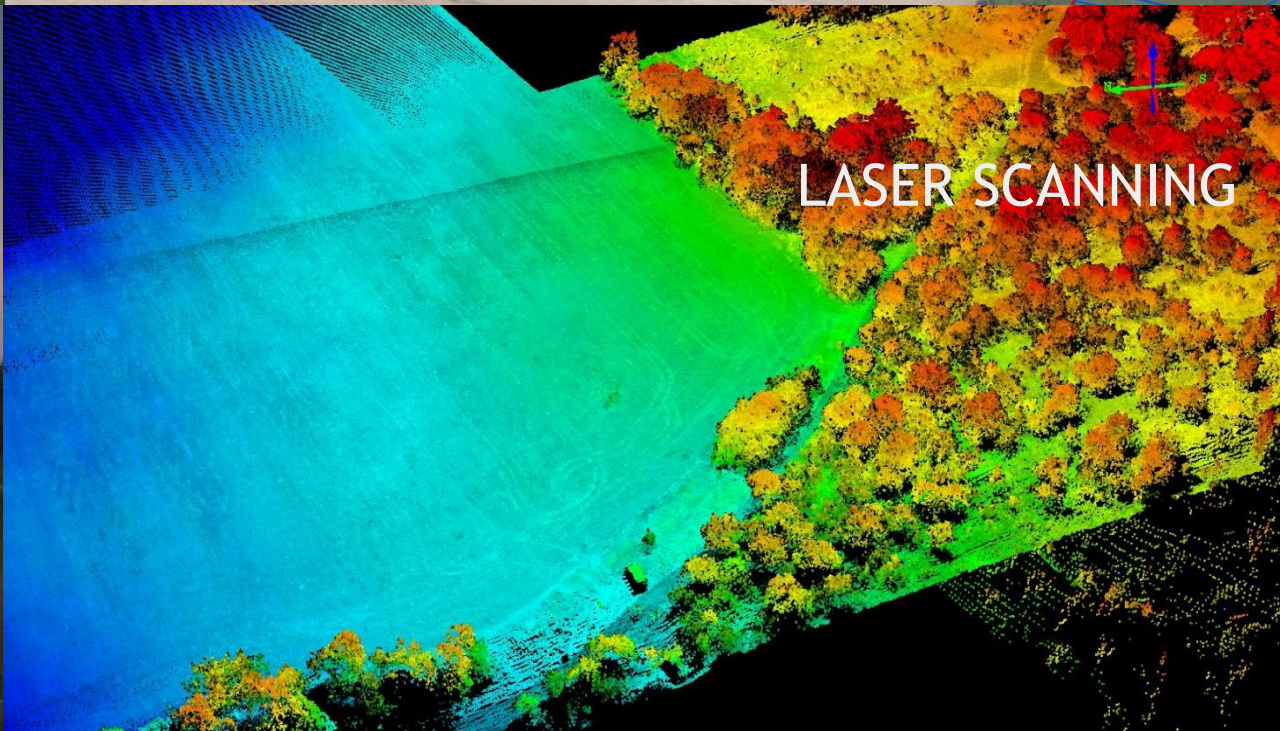
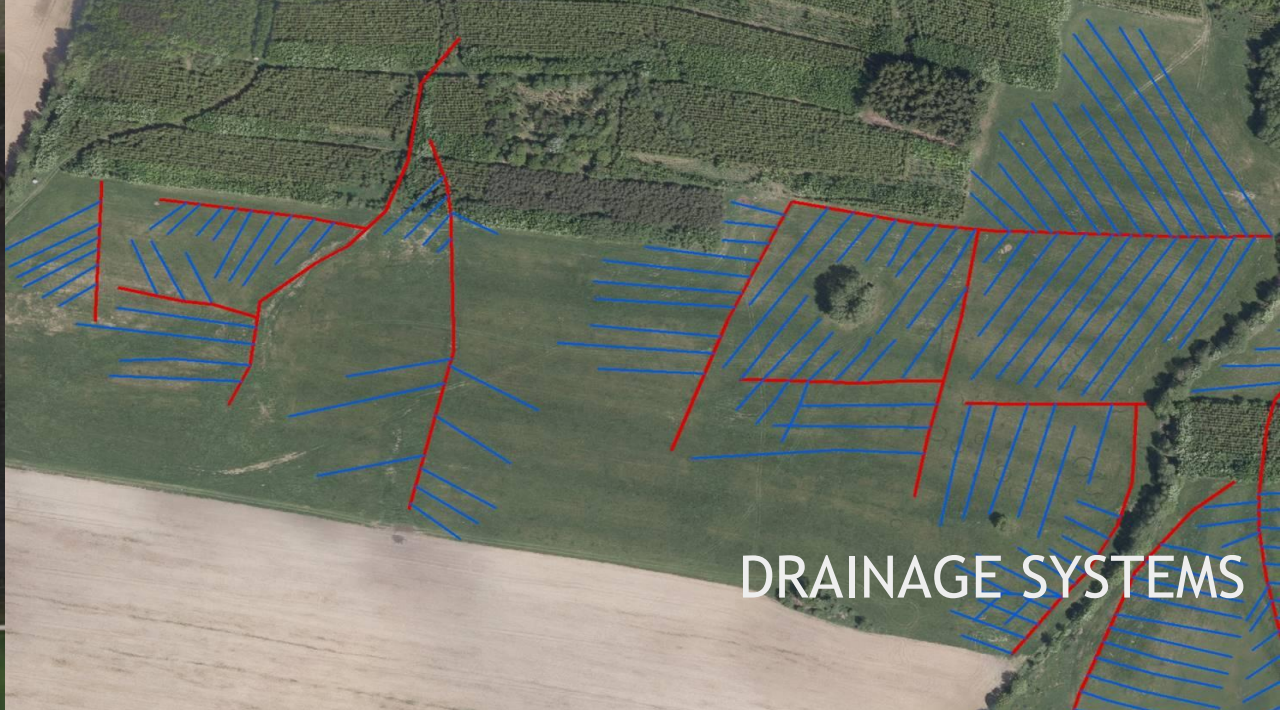
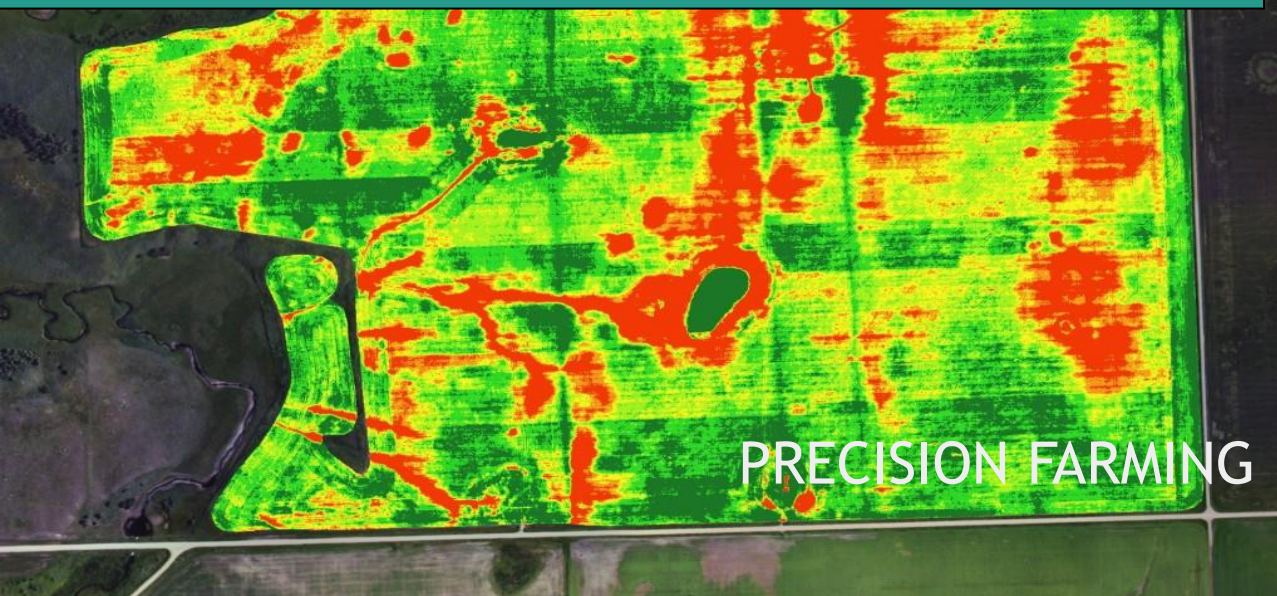


CZECH UAV SOLUTIONS IN AGRICULTURE

- drone manufacturers
- drone in a box solution (monitoring fields)
- sensors for drones (Crop Water Stress Index/Normalized Differential Vegetation Index)
- drone services and research in agriculture (precision farming, vegetation monitoring, spraying...)



SPECIAL APPLICATION IN AGRICULTURE



AERIAL MAPPING AND MONITORING

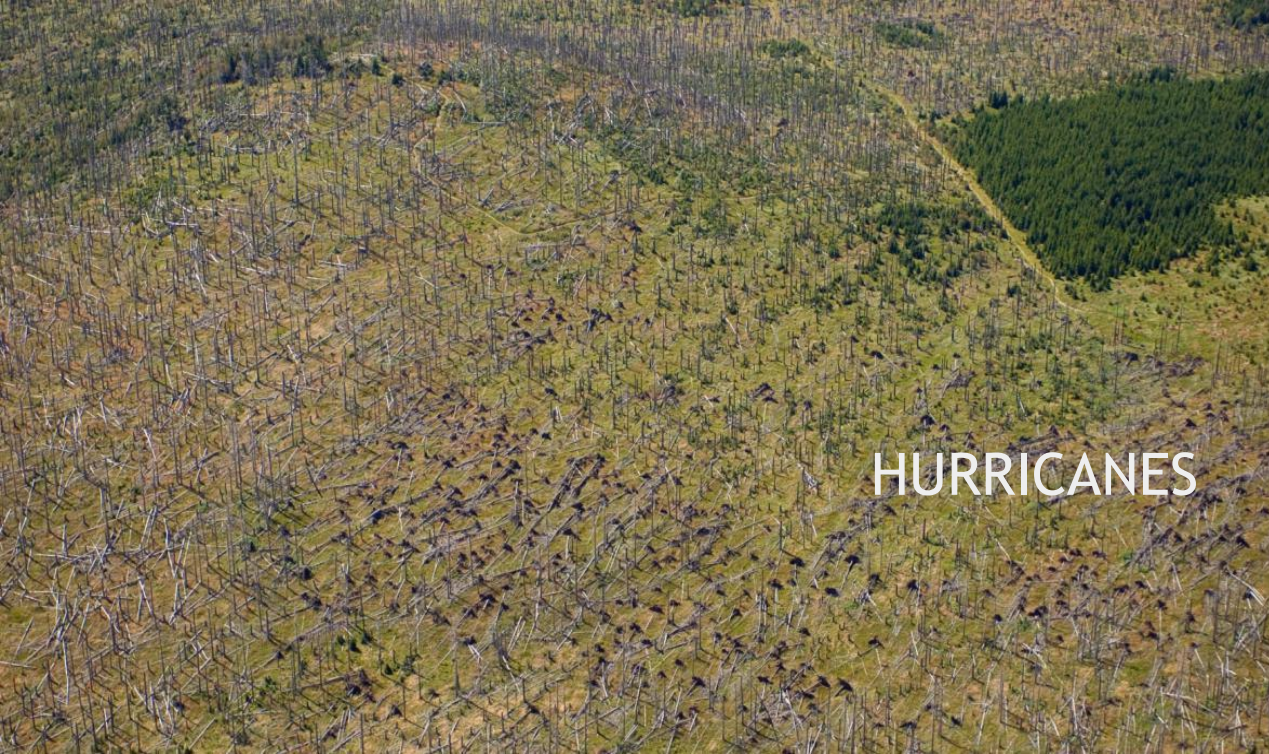
LANDSLIDES



FLOODINGS



HURRICANES



ANIMALS



COOPERATION POTENTIAL

- optimizing drone services in Bulgarian conditions
- international research projects (Horizon ...)
- establish partnerships
- exchange of information and experience
- other possibilities of cooperation in the complex use of drones
(unmanned traffic management, remote ID for drones, regulation support, autonomy drones, urban air mobility...)



THANK YOU ...



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