

26/10/2017

EO SHOWCASE



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Technology company of the Elecnor group



SPACE



AERONAUTICS



MARITIME



TRANSPORT



INDUSTRY &
UTILITIES



TELECOM &
MEDIA

+500
High-tech
projects

15
Years of
expertise

4
Countries

+300
Highly-qualified
employees

Excellence, commitment and innovation



SPACE AREAS



SPACE SCIENCE
& EXPLORATION



SATELLITE
NAVIGATION



EARTH
OBSERVATION



SPACE
SITUATIONAL
AWARENESS



LAUNCHERS



DEIMOS Space UK
Ltd. **UK**



DEIMOS
Engenharia
S.A. **Portugal**

DEIMOS
Space S.L.U.
Spain



DEIMOS
Space S.R.L.
Romania



DEIMOS Castilla y la
Mancha S.L.U. **Spain**





KORE – INTEGRATED PRECISION AGRICULTURE SERVICE FOR AGRONOMISTS AND FARMERS

Satellite EO data provider

Satellite EO images

RPAS/UAV/Drone

UAV EO images

Farmer infrastructure

Ground sensor data

KORE Data Service (Deimos)

Field/Service registration

Vegetation index (NRE, MSAVI...)



Application map (fertiliser spread...)

KORE Service (Soil Essentials)

Yield maps

RTK ground network (Soil Essentials)

Agronomists, farmers

KORE
Knowledge • Observation
Response • Evaluation

artes applications **esa**
Developed under the ARTES Applications programme and co-funded by ESA

esa

soilessentials
precision farming solutions

deimos
elecnor group



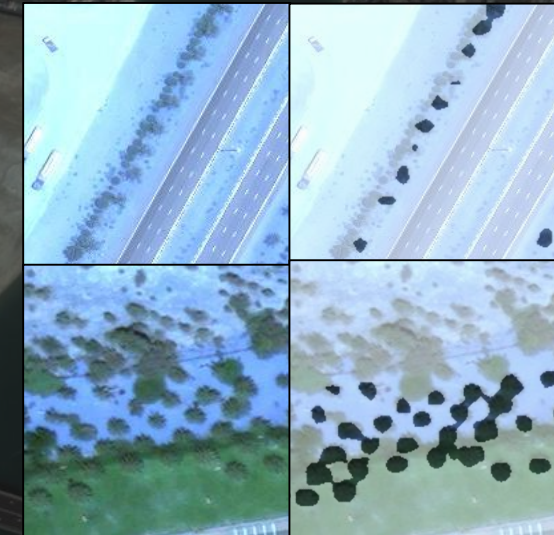
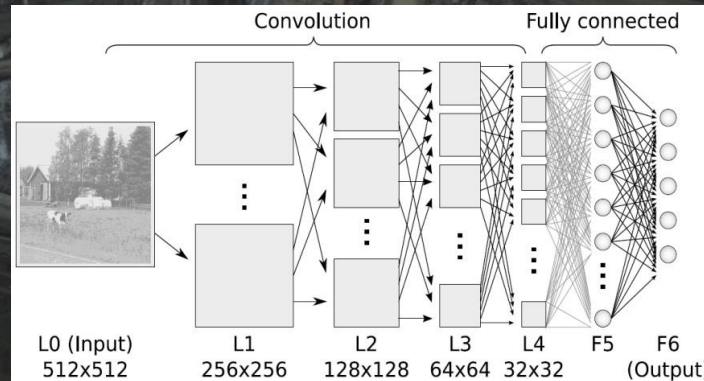
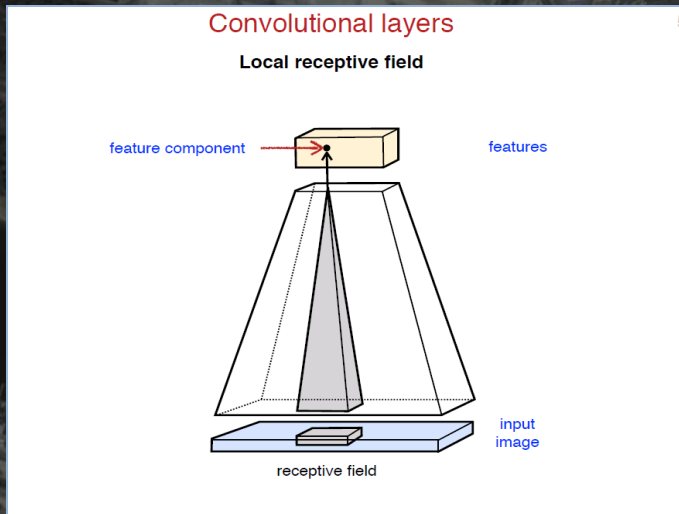
DEEP LEARNING FOR SATELLITE IMAGERY CLASSIFICATION

Benefits:

- Flexibility of the algorithms
- Fast classification on large scale
- Less effort in algorithm development more in design

Drawbacks:

- Need large quantity of training data
- Quality of the training data is crucial
- Huge computer resources required during the training

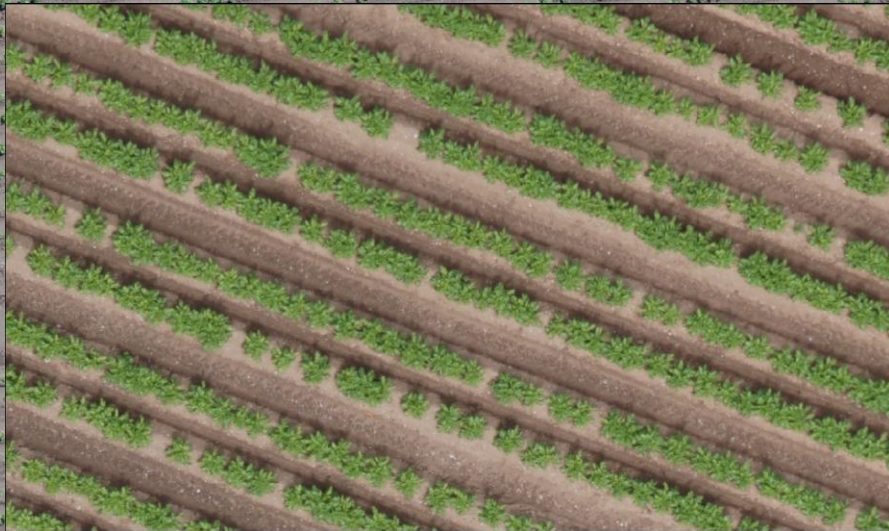




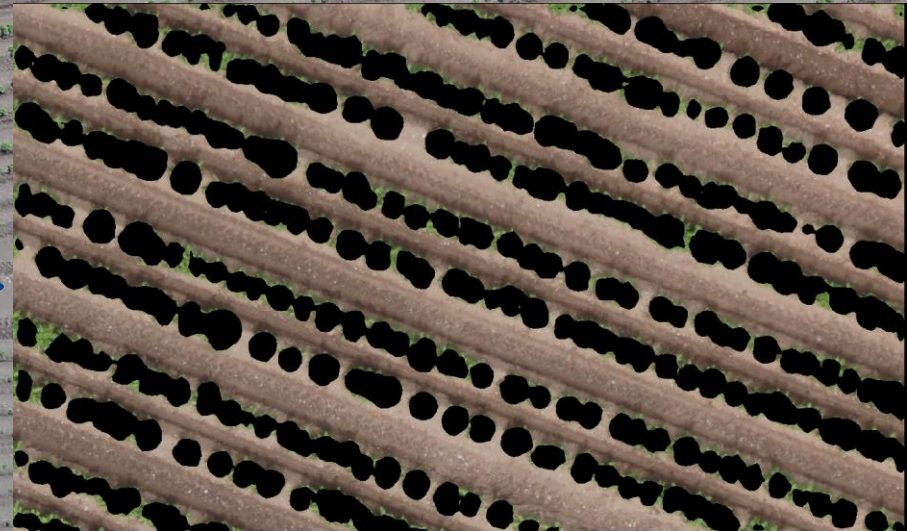
DEEP LEARNING FOR PLANT COUNTING (KORE PLATFORM)

Input image

Classification output



Classify



deimos
elecnor group



Thank you

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