

Introduction to big data

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Introduction to big data



What is big data?

Too large, too fast, and too complex for traditional data tools to handle.

- > Volume
- > Velocity
- > Variety



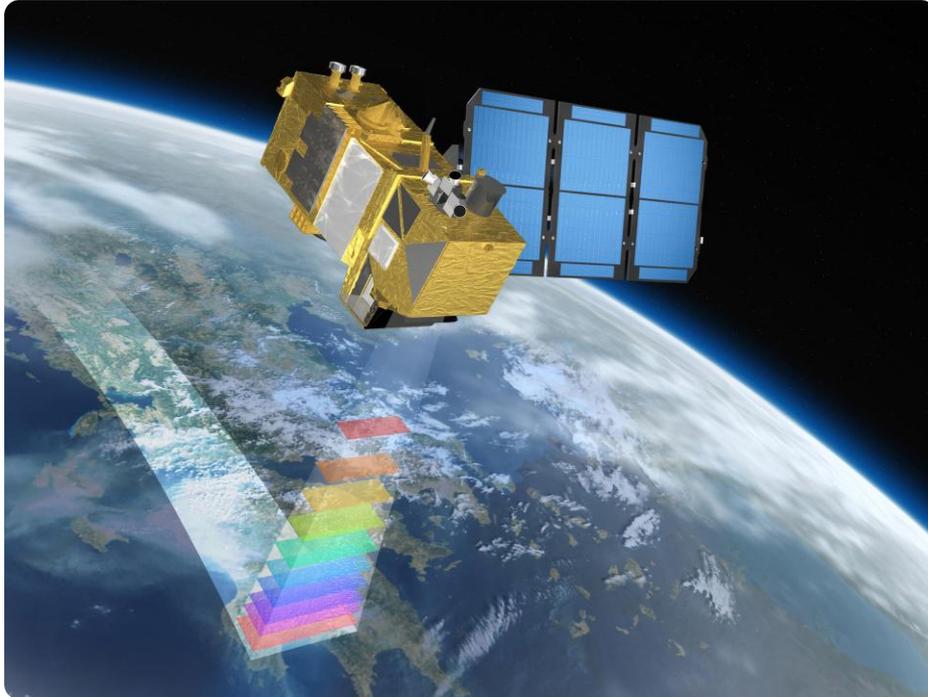
Why using big data?

Policy has become greener — our tools for evaluation must become smarter.

- The CAP has become greener
- More data is now available than ever
- The private sector is ahead



Where to find big data?



- Remote sensing : aerial imagery and satellite images.
- Weather data
- Admin data: you have it

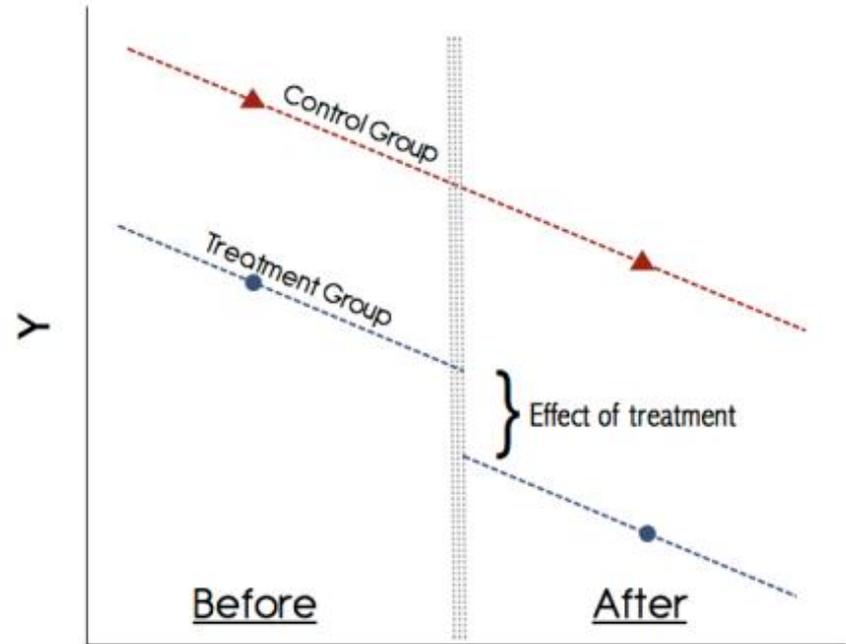
- Large datasets (quasi big data):
 - Sensors
 - Surveys (environmental, or economic)





What for?

- Impact indicators calculations
 - Practice detection
 - Modelling of aggregates
- Impact indicators netting out
 - Estimating impact on practices or aggregates



Interesting applications outside the CAP



- > Decision support
- > MRVs
 - Carbon Farming
 - Biodiversity
 - Forest management
 - Certification
- > Insurance

