

BeGeo 2024

LA CONNEXION A L'ETAT PUR
DE ULTIEME CONNECTIE



Comment former nos futurs géomètres-experts pour les
préparer à l'avenir ?

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How can we train our upcoming surveyors to prepare them for the future? ... *my point of view*

Roland Billen, Geomatics Unit / GeoScITY Lab, ULiège

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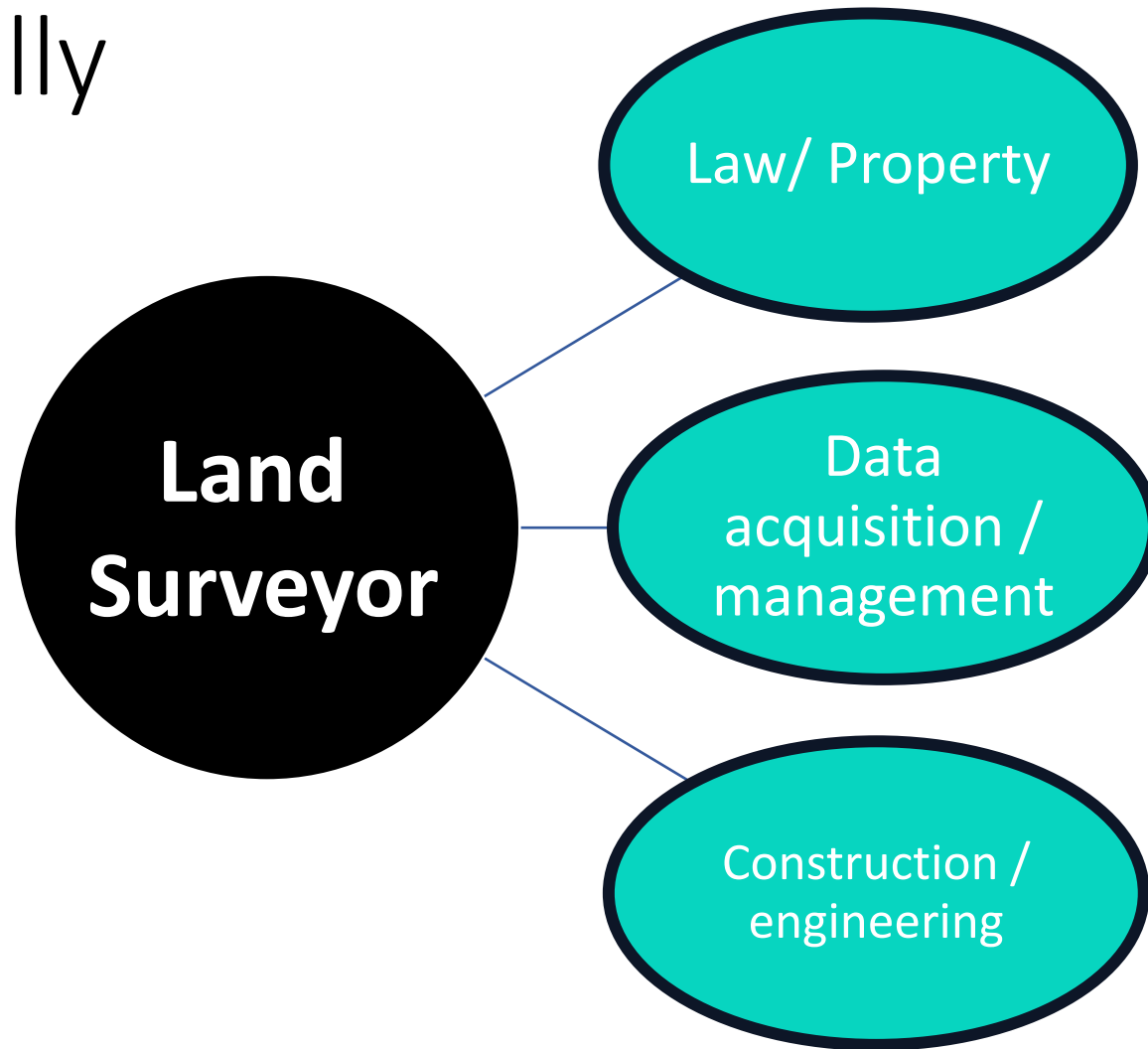
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How can we train our upcoming surveyors to prepare them for the future?

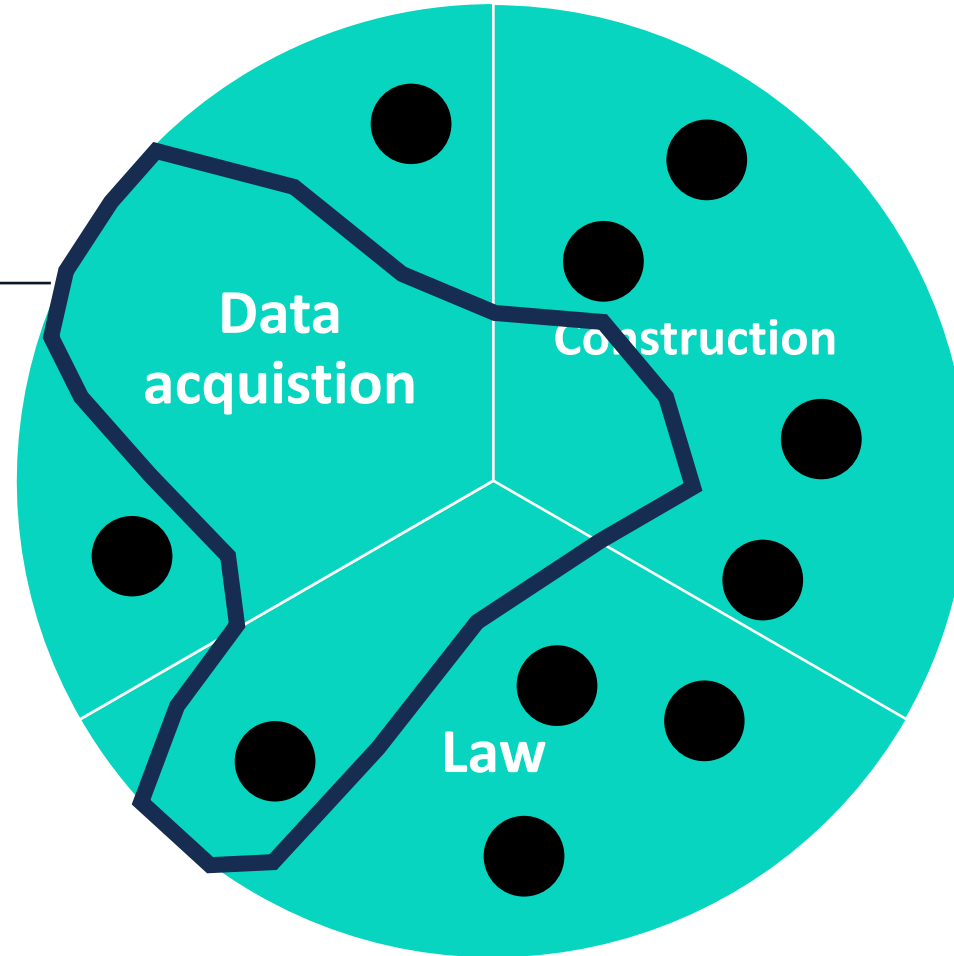
- Traditionally
- Nowadays
- Future (*who knows the future at more than 10 years?*)

Traditionally



Traditionally

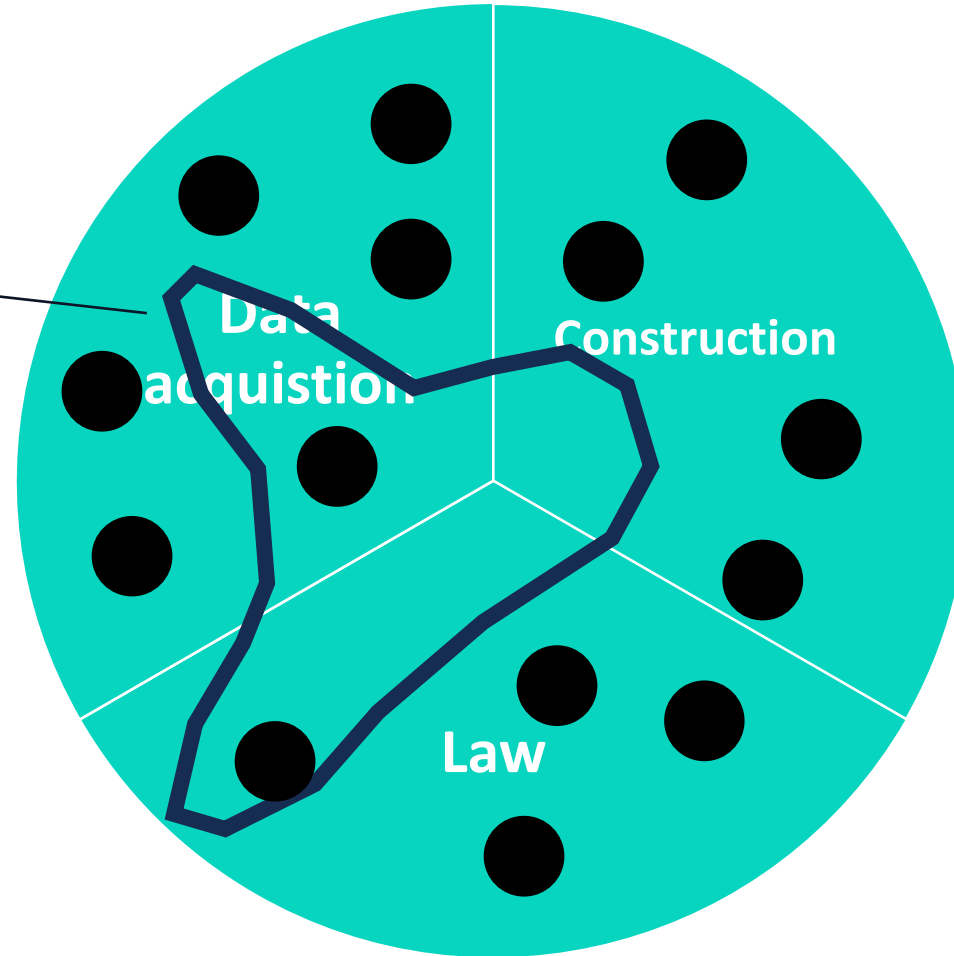
Land surveyors' skills



● Other profession

Nowadays

Land surveyors' skills
relative shrinking



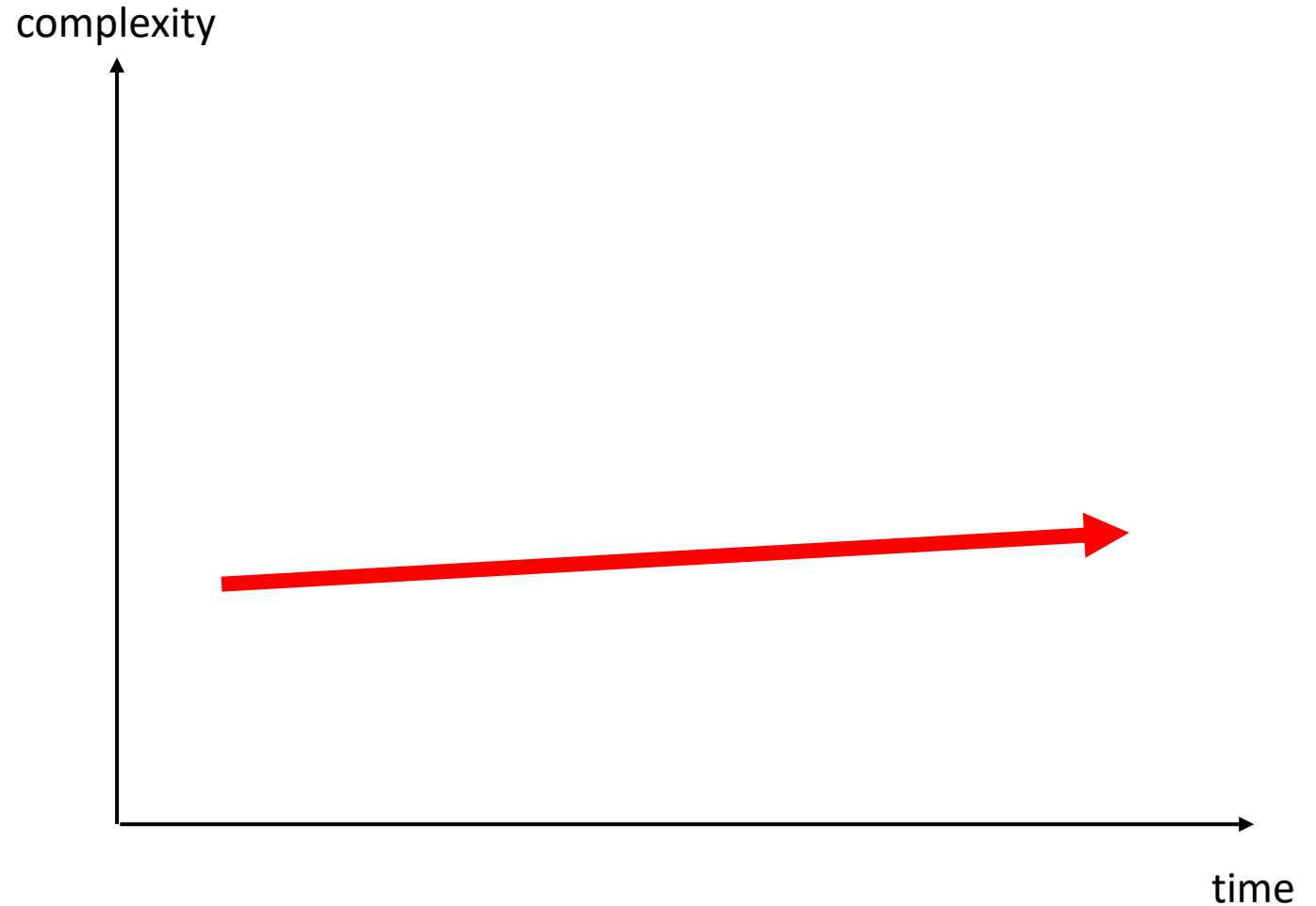
● Other profession

First “personnal” observation

- In relative terms, the Land surveyor has lost some of his position as a measurement specialist.
- This is to be understood in a general way: it depends on the activities of the professionals and their initial training.

The future...

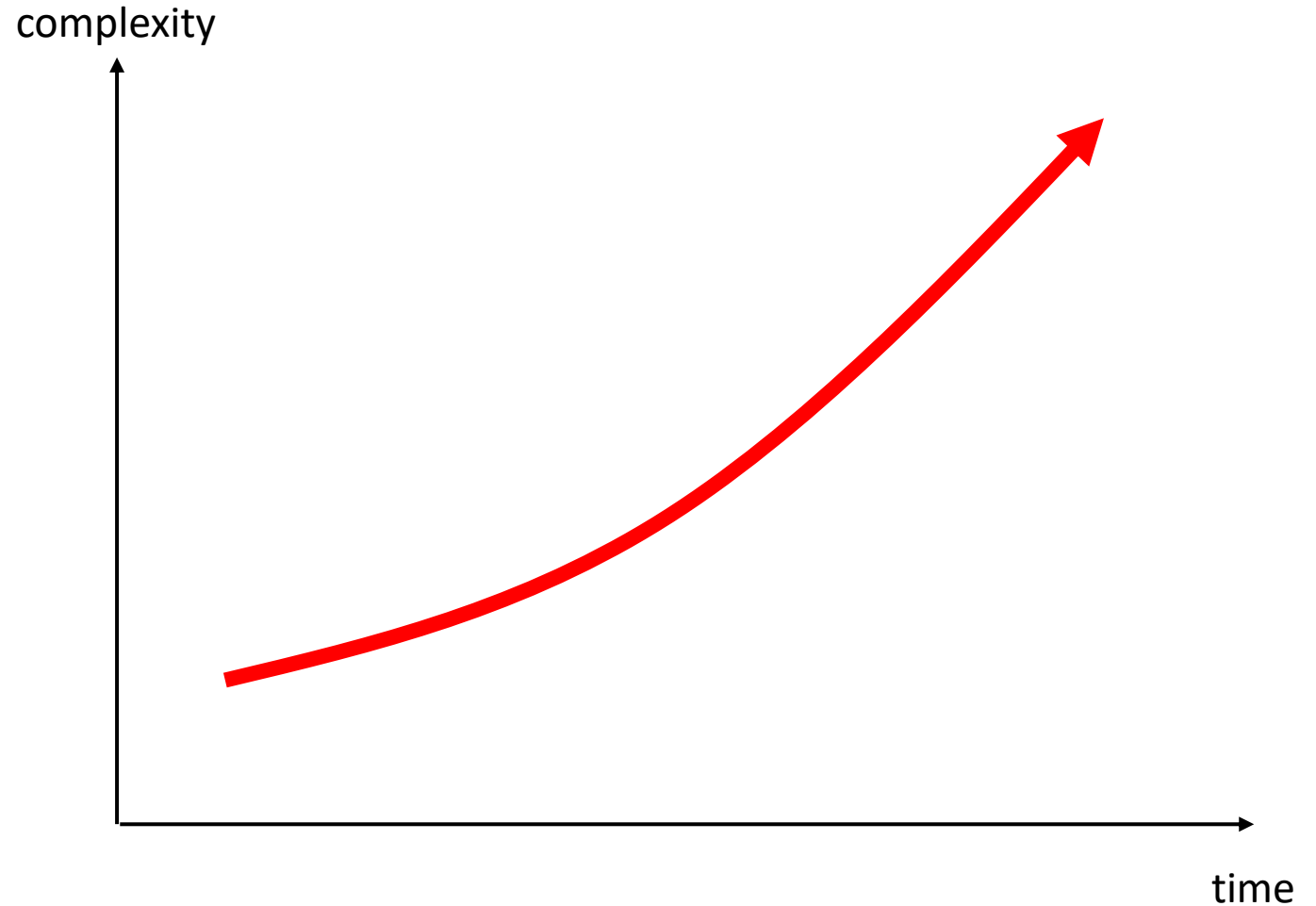
- Domain's evolution

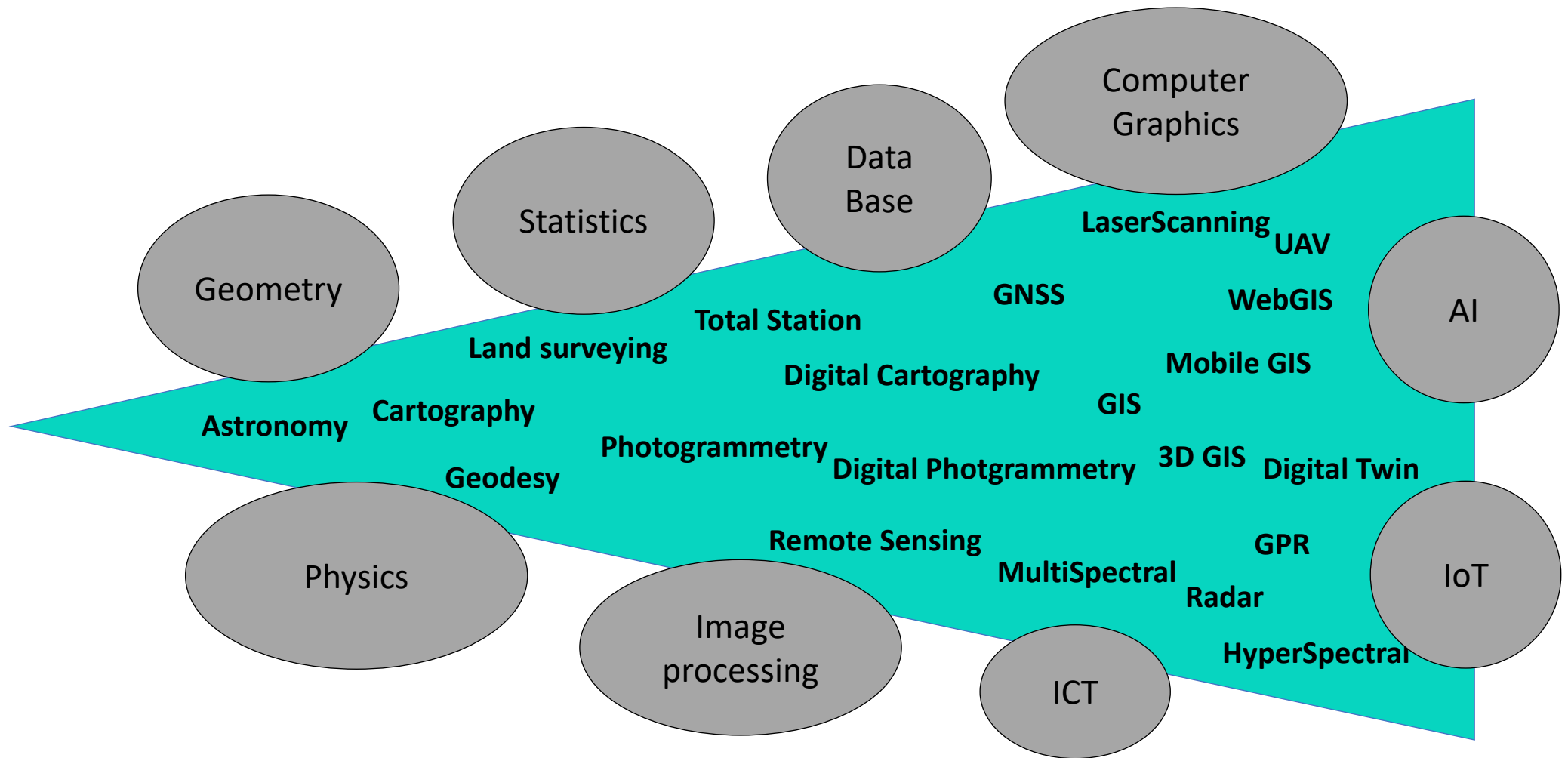


The future...

- Domain's evolution

Data
acquisition /
management

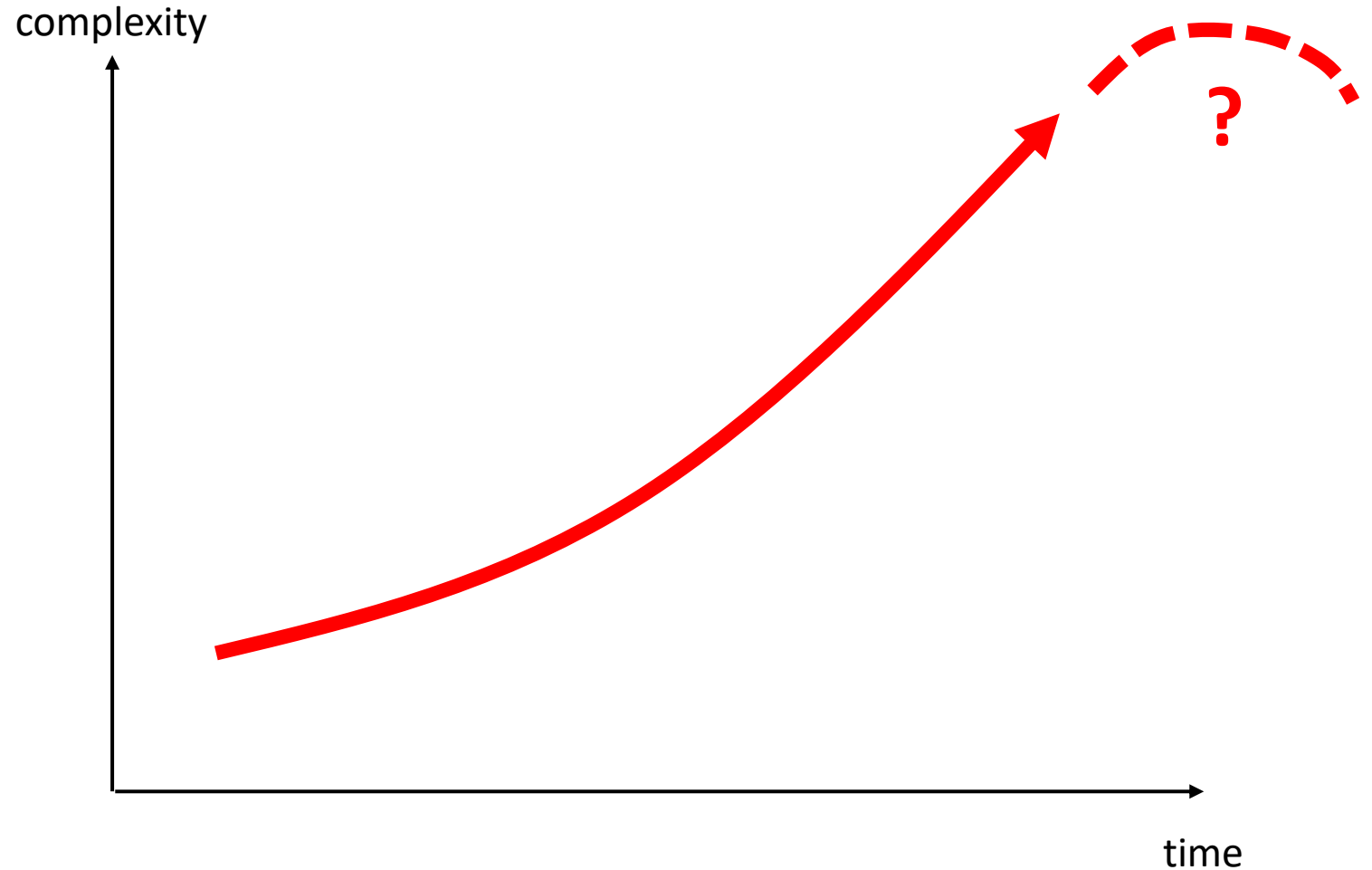




The future...

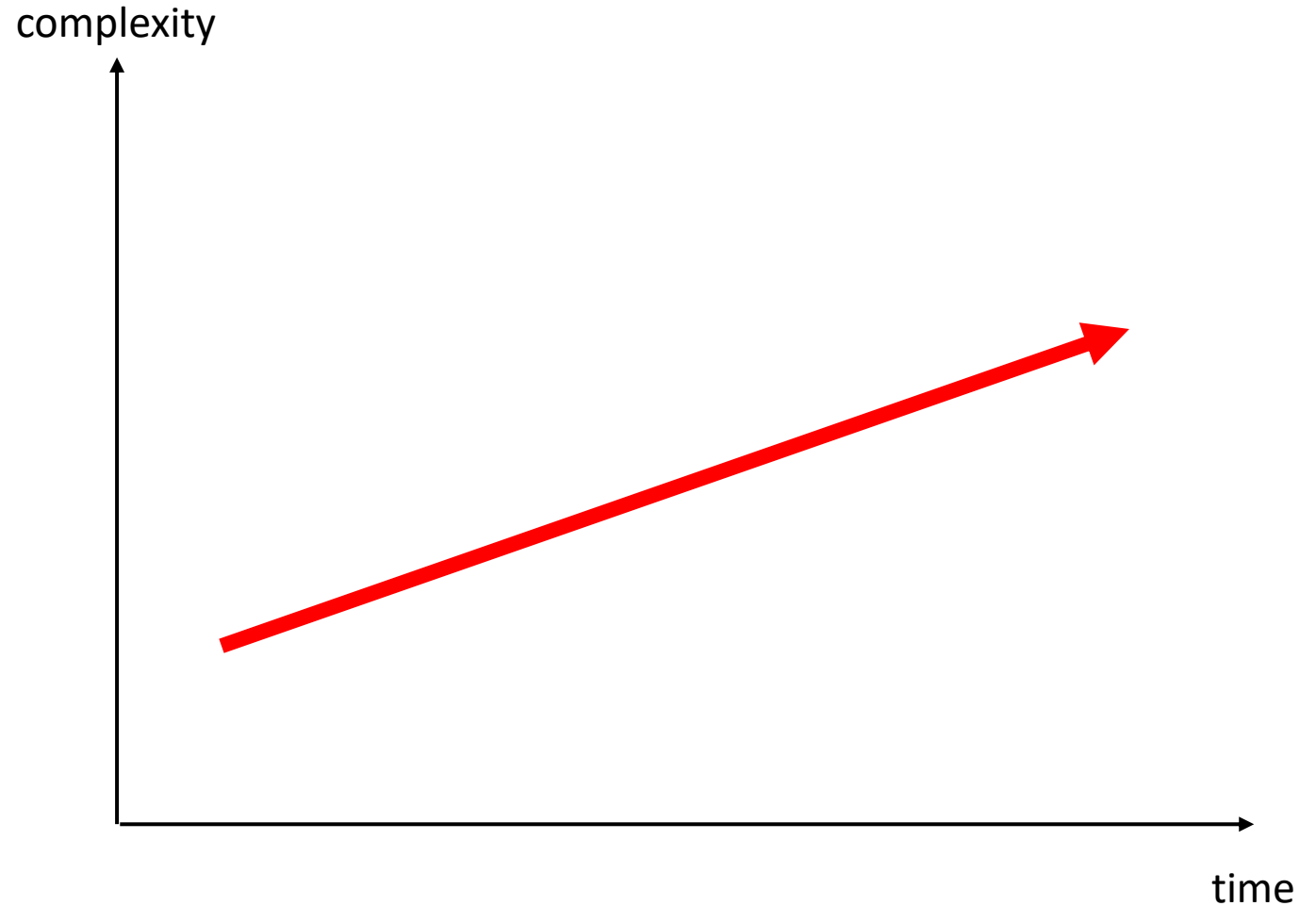
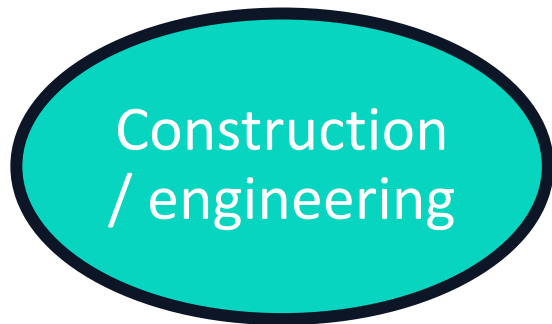
- Domain's evolution

Data
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The future...

- Domain's evolution

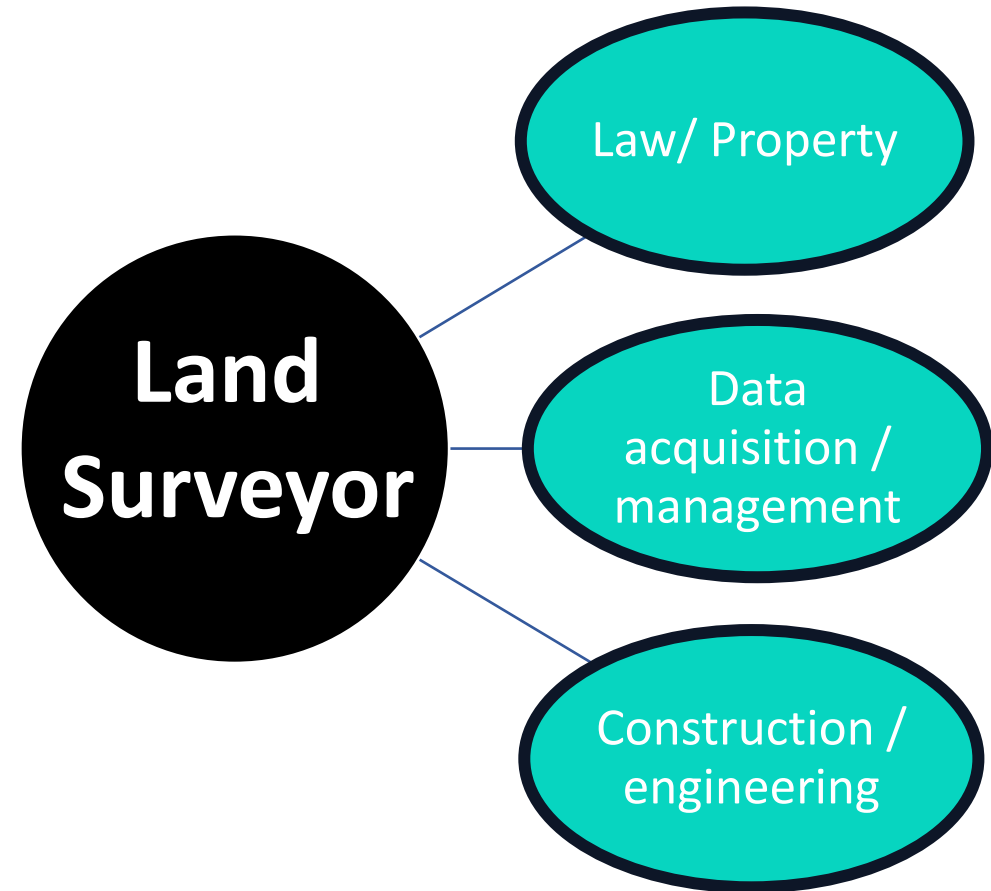


Training for upcoming surveyors ?

Solution 1:

“Keeping the focus on the core business”

- keep the same training profile
- risks losing even more ground as a measurement expert

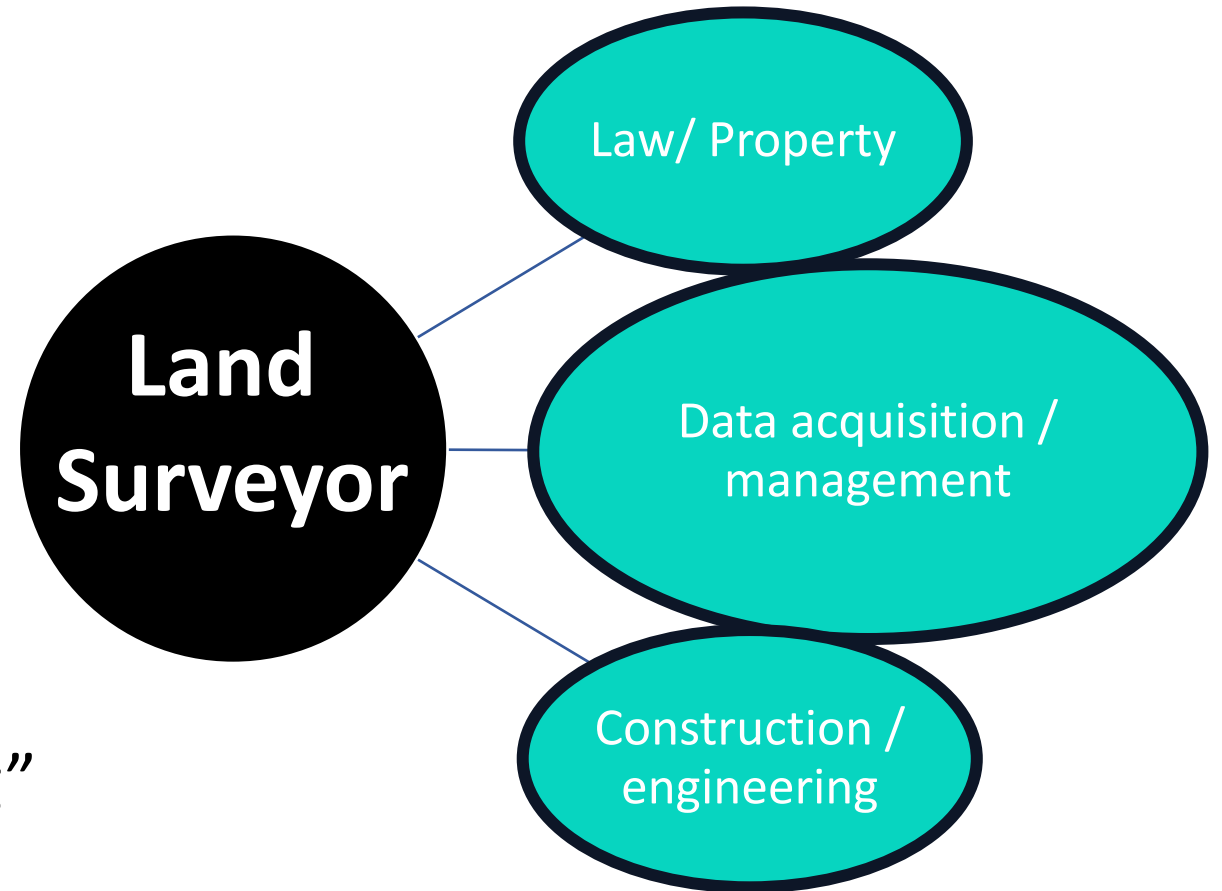


Training for upcoming surveyors ?

Solution 2:

“Reposition ourselves as expert in measurments ”

- Increase training in data acquisition and management
- Require “teaching” and “training”
... new skills...

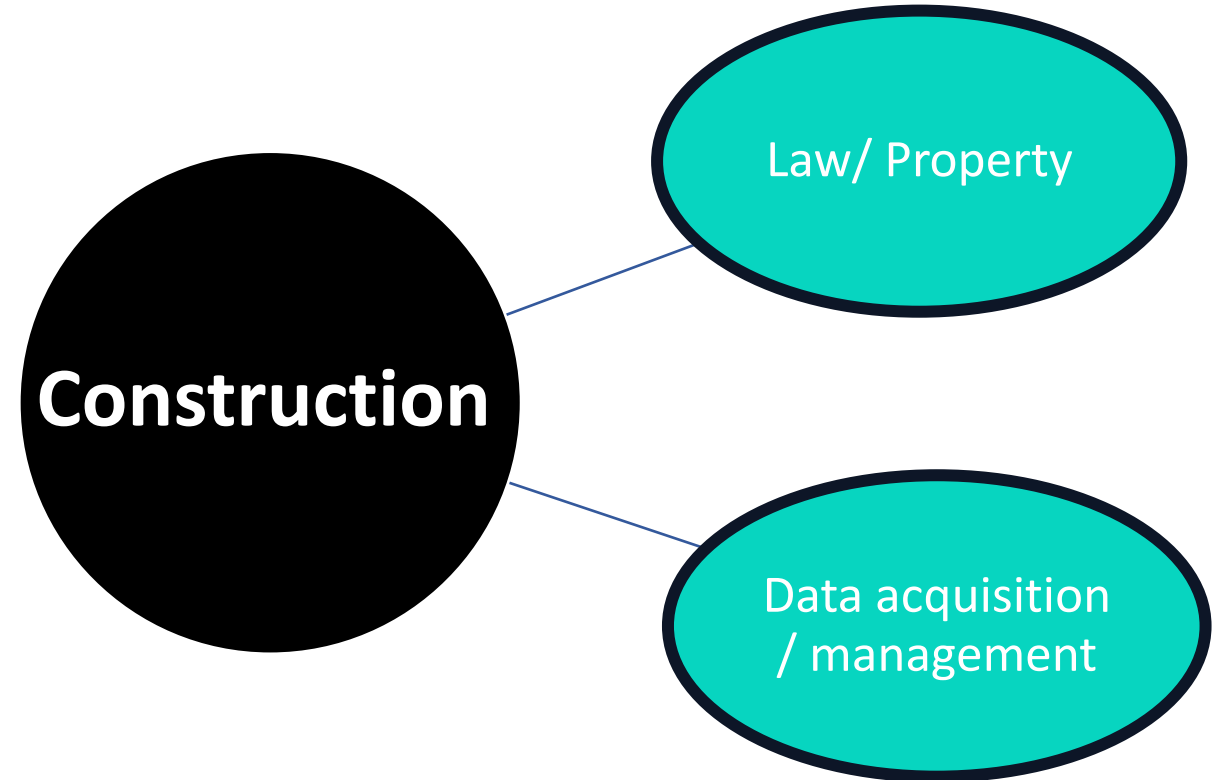


Training for upcoming surveyors ?

Solution 3:

“Surveyor as one of the possible professions”

- Change of paradigm
- Complementary training?

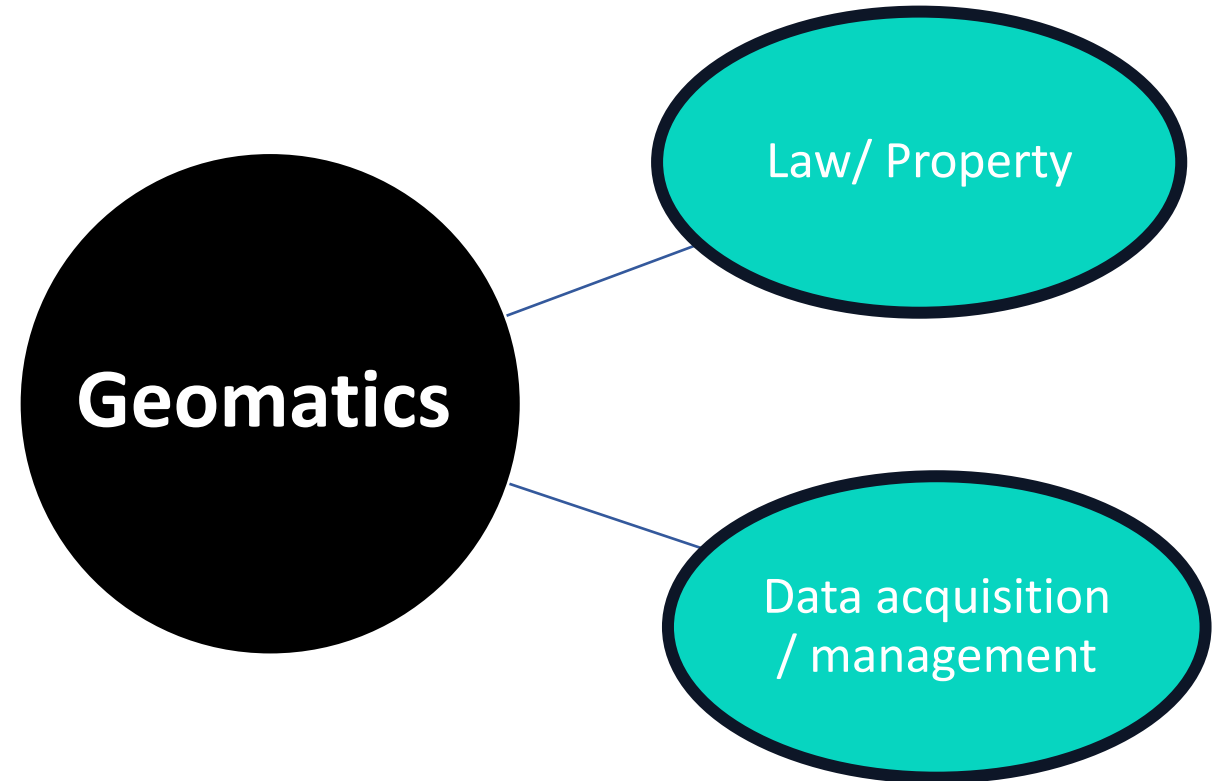


Training for upcoming surveyors ?

Solution 3:

“Surveyor as one of the possible professions”

- Change of paradigm
- Complementary training?



Conclusions

- We are at a key moment in more ways than one :
 - Technologies are developing at an impressive rate,
 - AI is going to revolutionise some of our practices,
 - the number of students interested in the field of 'geo-information' in the broadest sense is falling, particularly those studying to become surveyors
- And demand has never been so strong...

Thanks for your attention