



SOIL SENSORS

Soil Sensor Tech for the Construction Industry

Using low carbon technology to protect soils at **all stages of construction**

Spatial Surveying of Soil Variability:

- Electromagnetic induction scanning
[to determine variability in soil]
- Gamma ray scanning (Medusa Radiometrics)
[to measure carbon stocks]

Targeted Analysis of Chemical and Physical Soil Composition:

- Near infrared spectroscopy (NeoSpectra)
[to measure carbon stocks and soil texture]
- Lateral flow particle size analysis (microBIOMETER)
[to measure soil fungi and bacterial health]

Targeted Analysis of Soil Compaction:

(Automated penetrometer)

Soil sensors can be supported by drone and satellite data capture

Planning stage

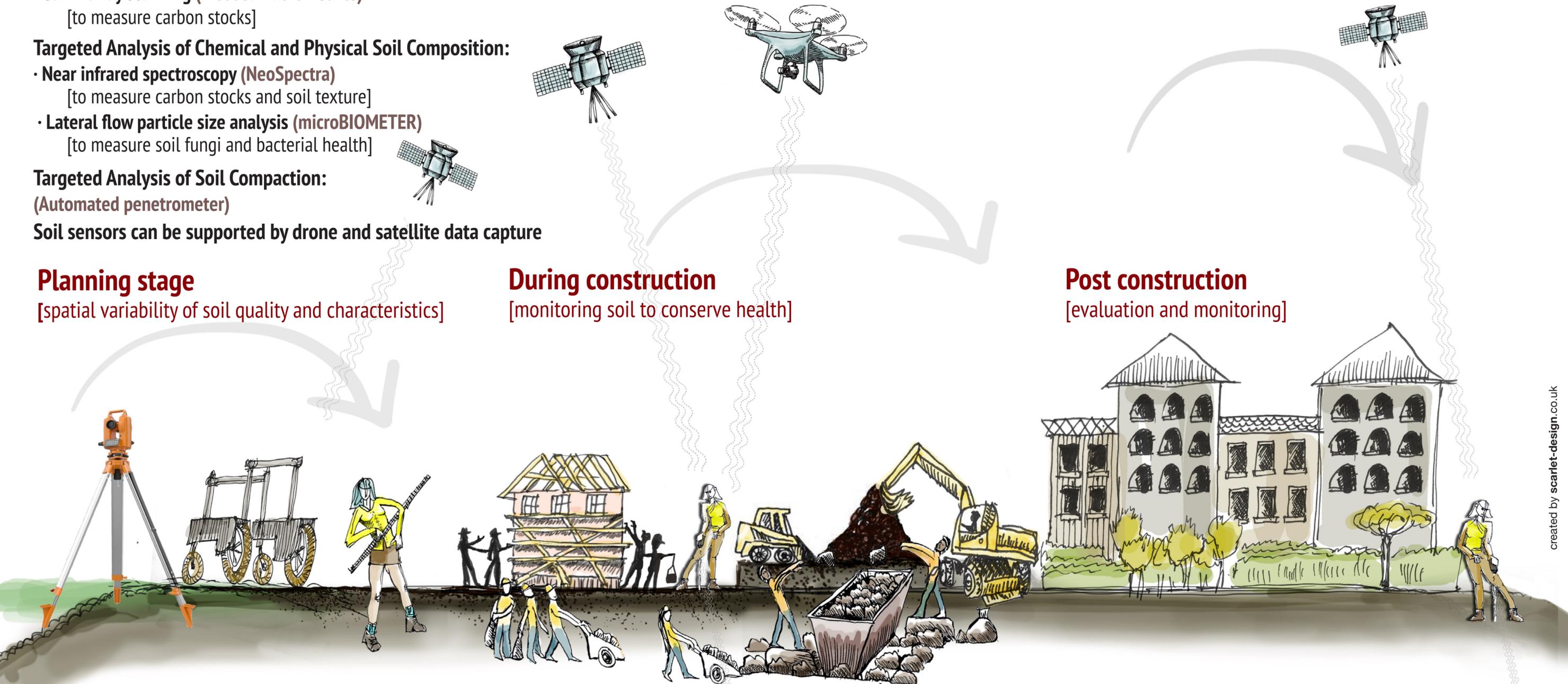
[spatial variability of soil quality and characteristics]

During construction

[monitoring soil to conserve health]

Post construction

[evaluation and monitoring]



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