

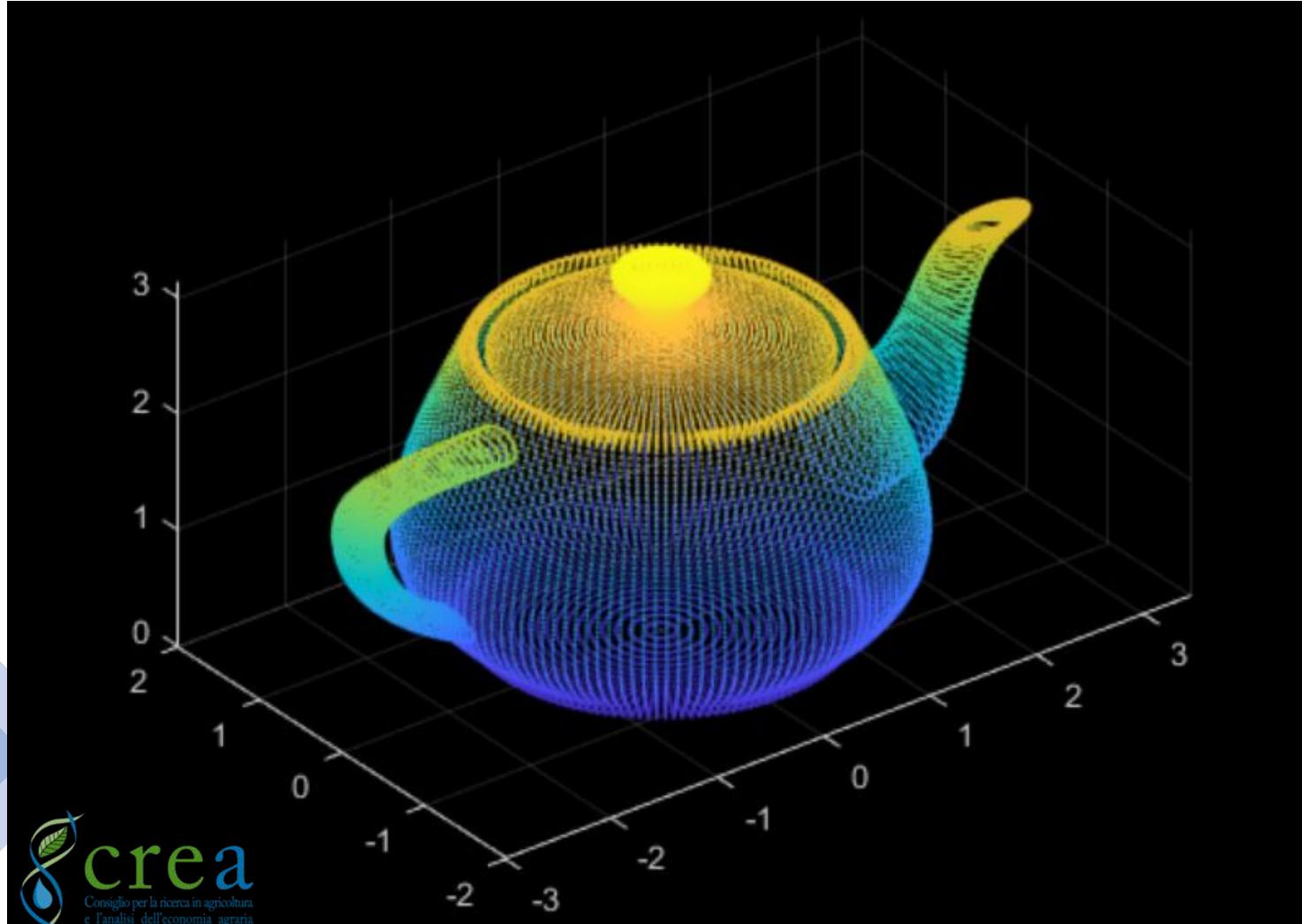
# Acquisizione e processamento dati tramite TLS statico e mobile

Nicola PULETTI



## COSA È UNA POINT CLOUD

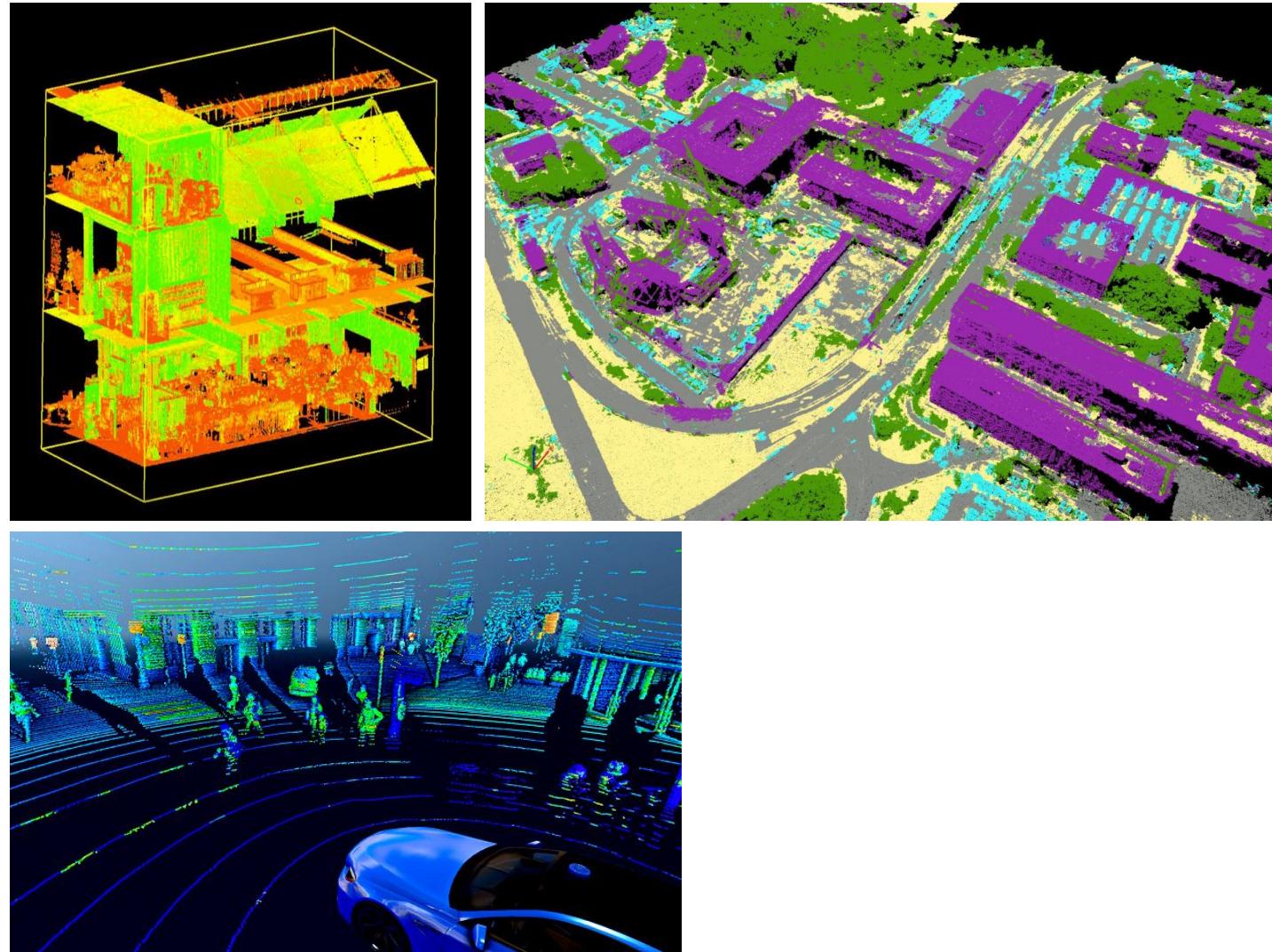
## COSA È UNA POINT CLOUD



insieme di punti  
nello spazio ognuno  
dei quali definiti  
nella loro **posizione**  
secondo gli assi X, Y,  
Z in un determinato  
sistema di  
coordinate e  
caratterizzati da  
eventuali valori di  
intensità (RGB o altre  
lunghezze scalari) ad  
essi associati

## COSA È UNA POINT CLOUD

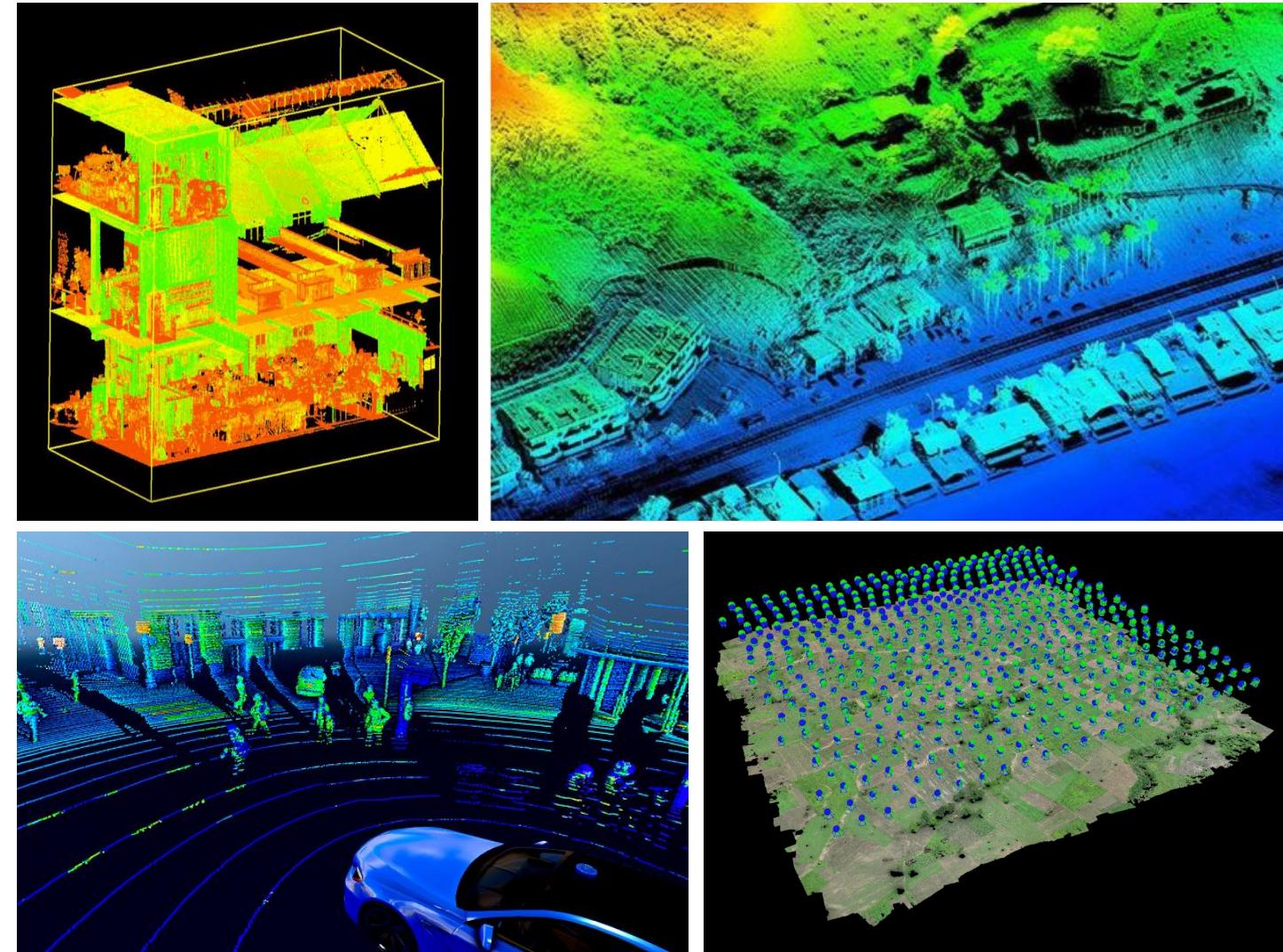
sono il risultato  
dell'utilizzo di  
strumenti LIDAR



## COSA È UNA POINT CLOUD

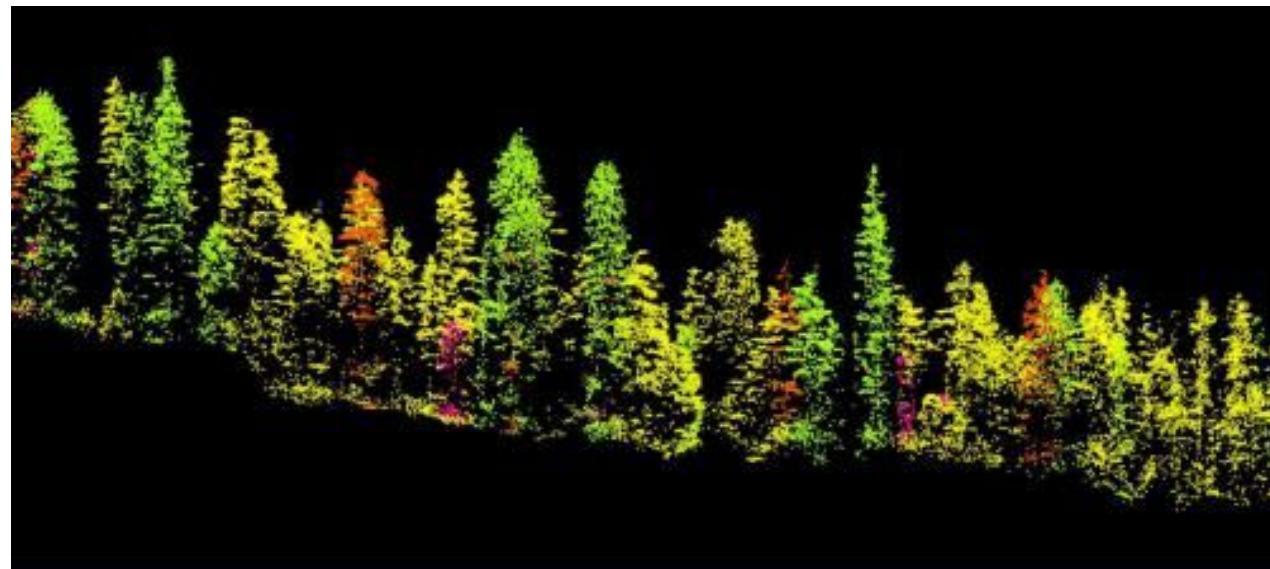
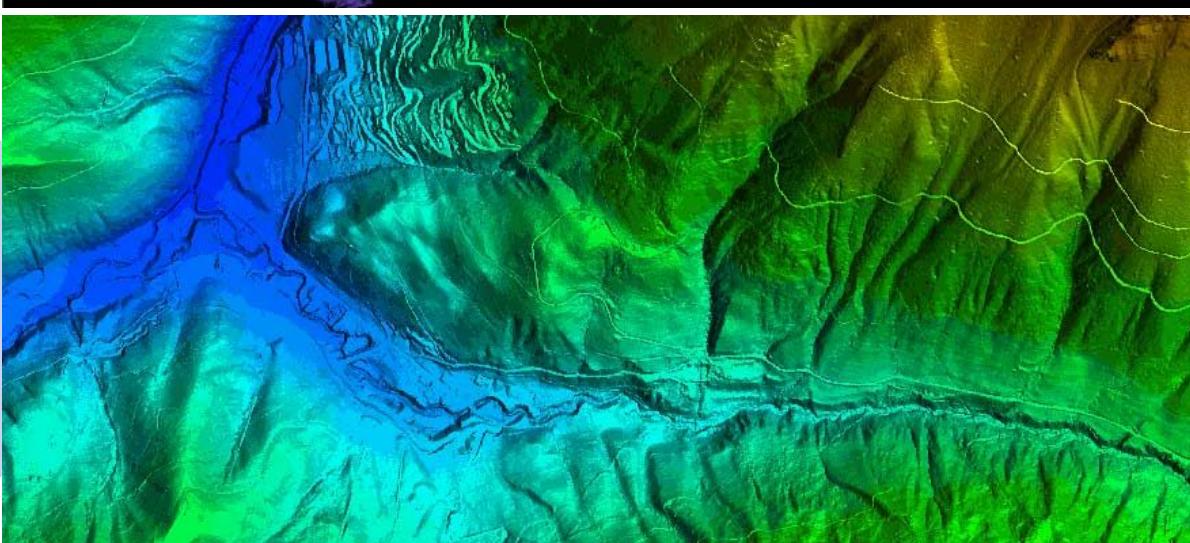
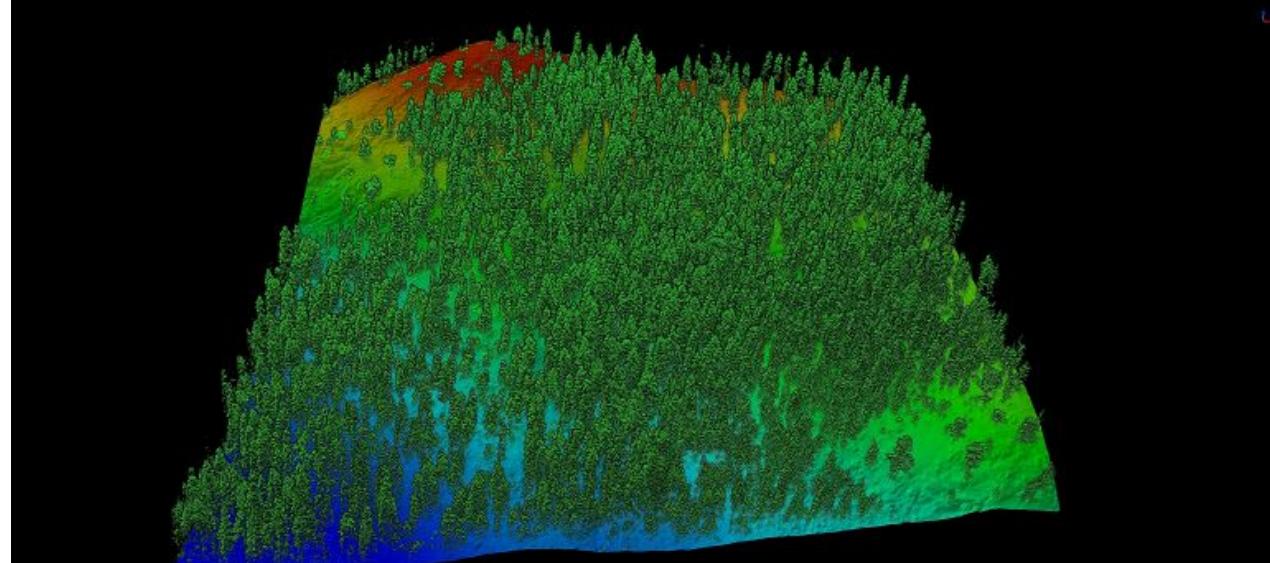
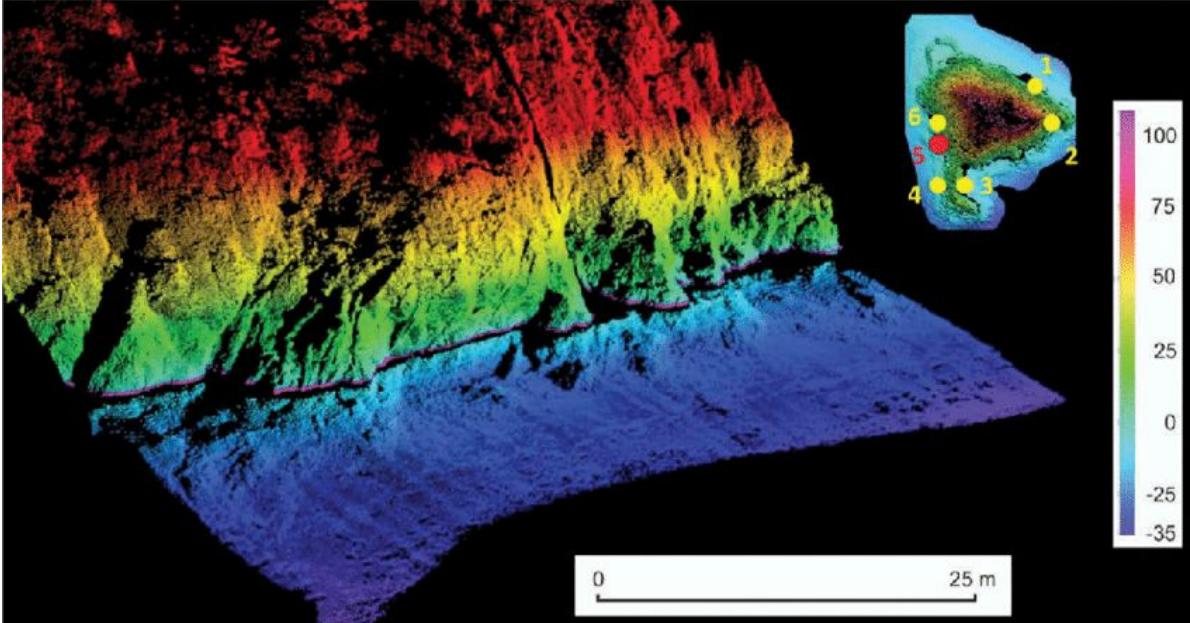
sono il risultato  
dell'utilizzo di  
strumenti LIDAR,

ma possono essere  
ottenute anche  
attraverso altre  
tecniche quali la  
fotogrammetria

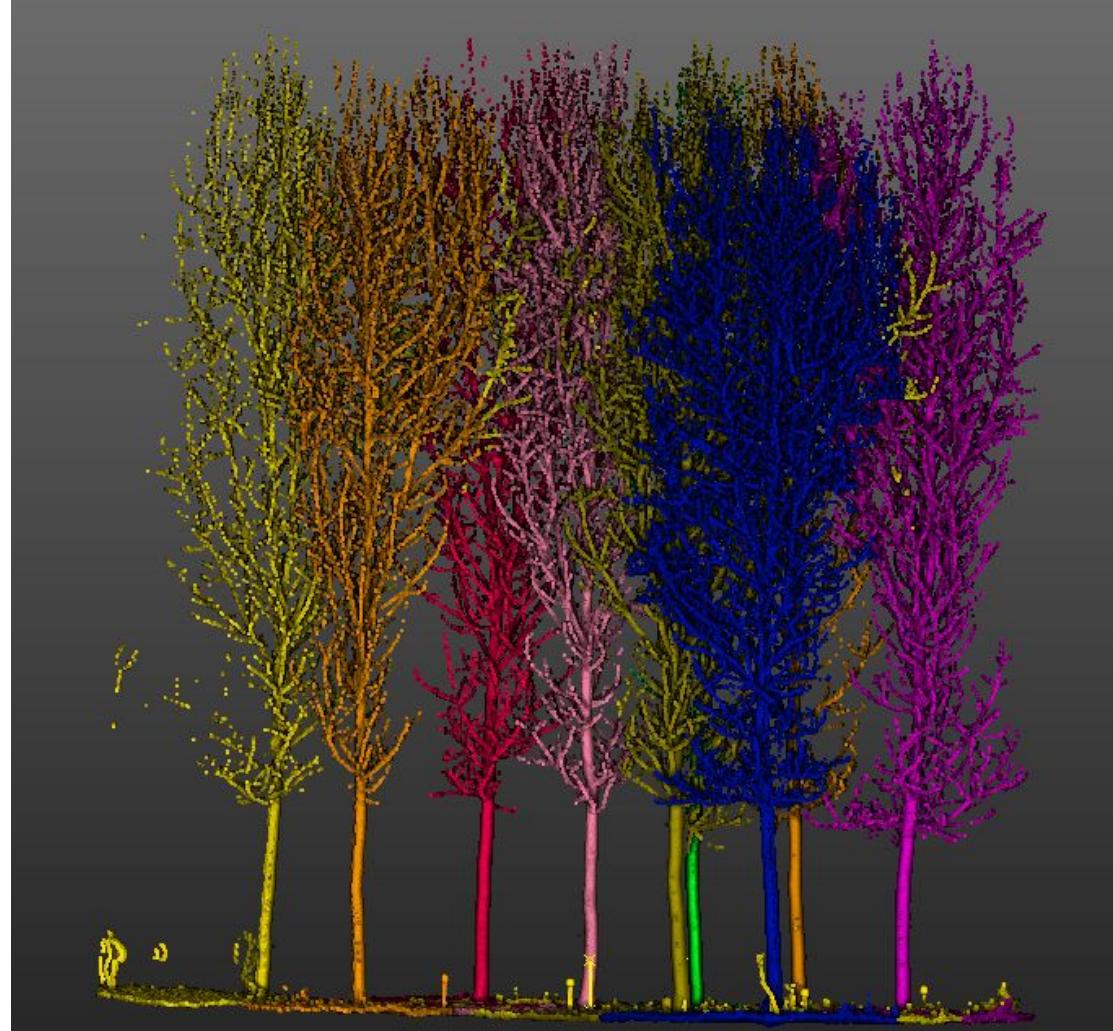


# POINT CLOUD

## applicazioni nel settore ambientale



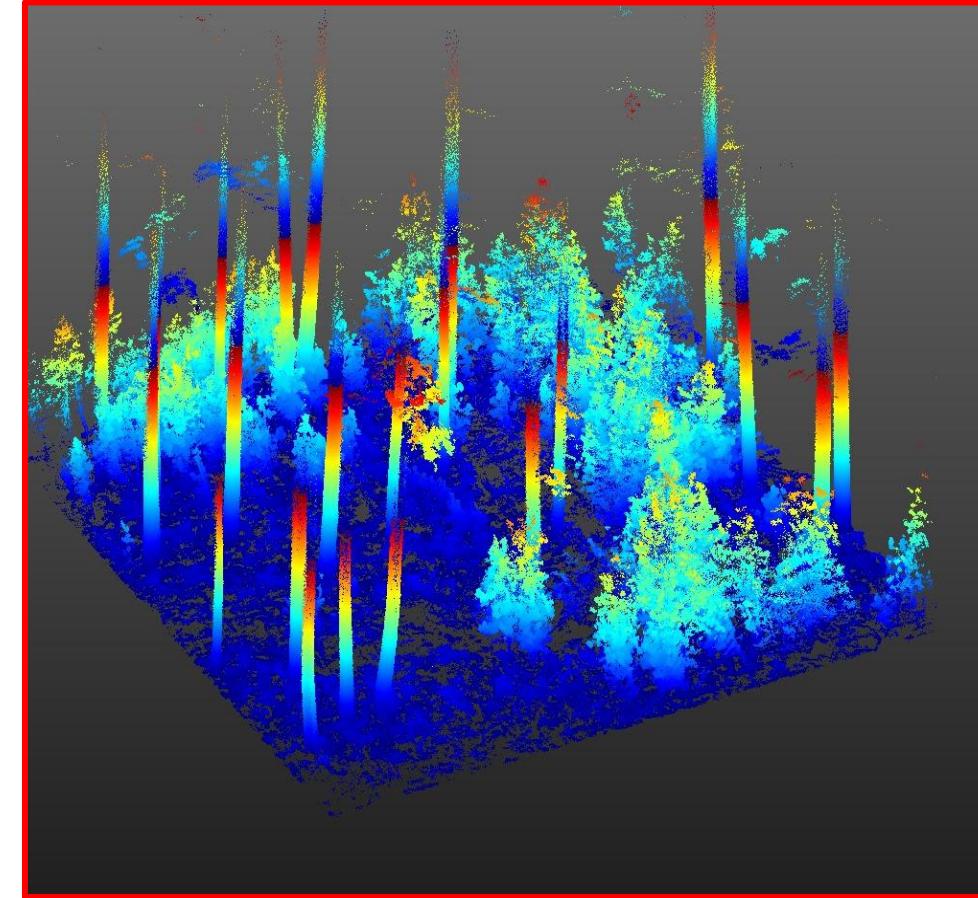
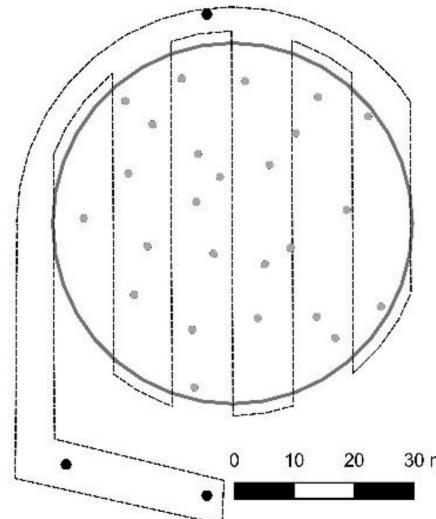
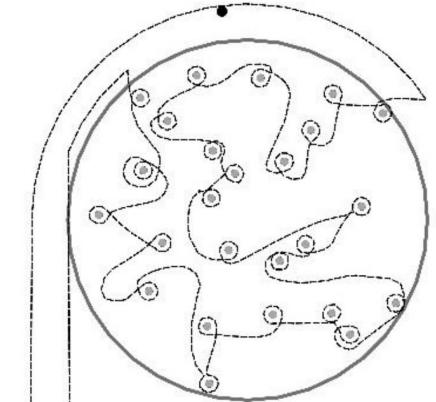
## POINT CLOUD DA *laser scanner terrestre* IN PIOPPICOLTURA



## Strumenti TLS



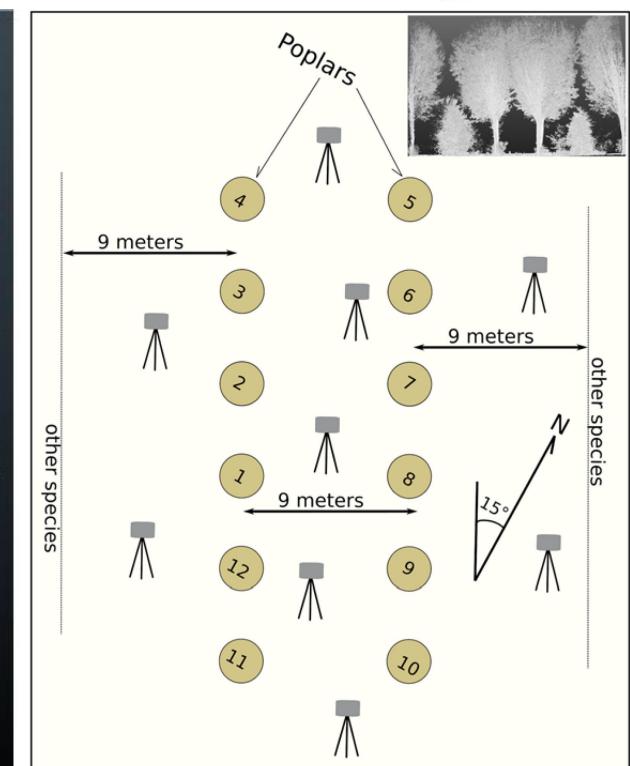
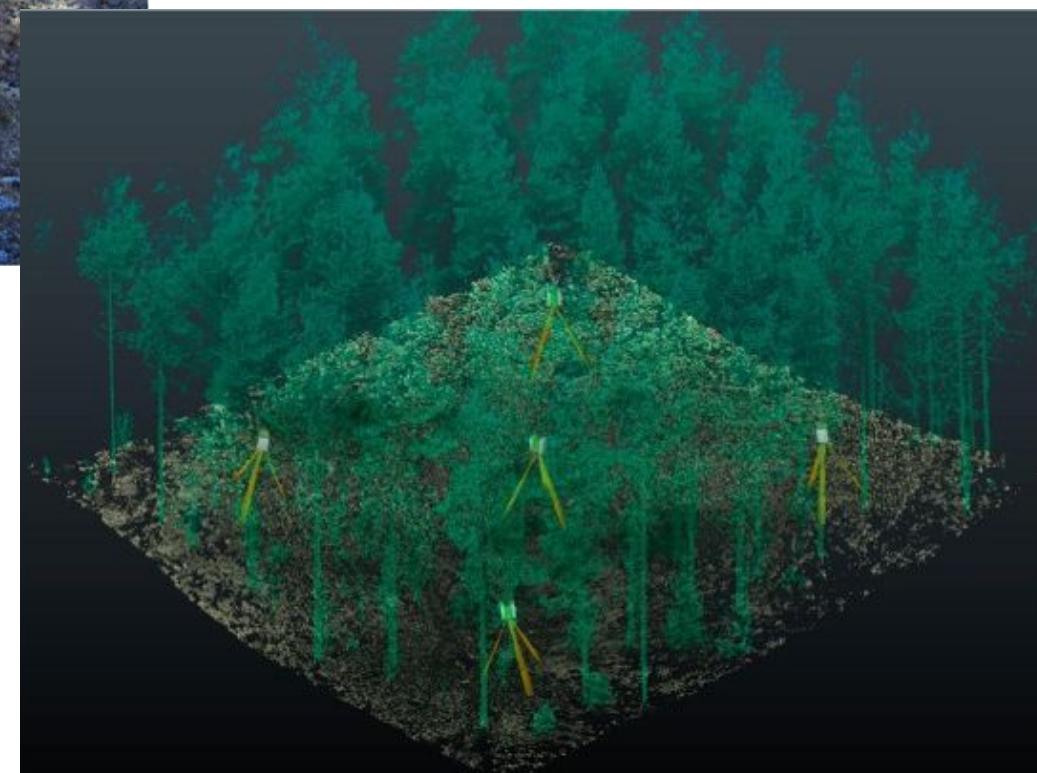
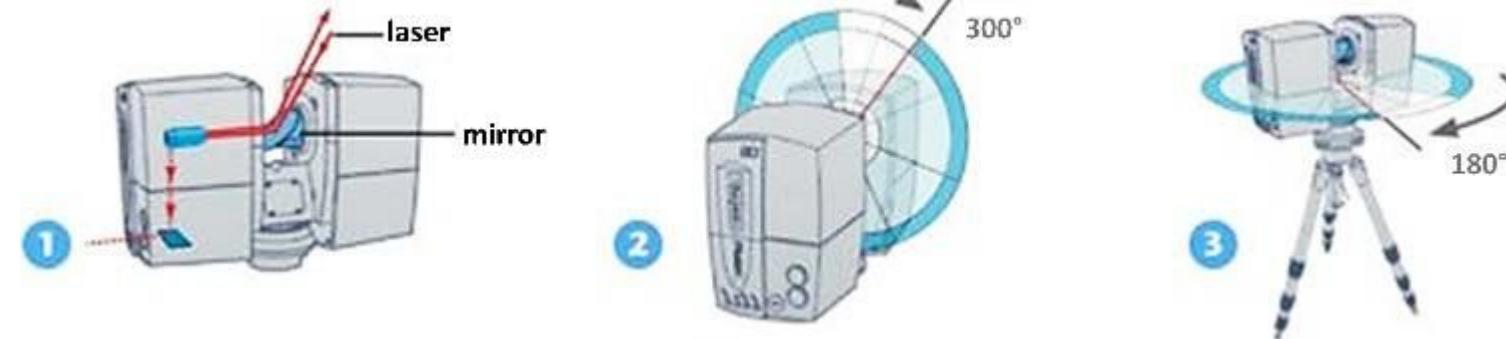
Laser scanner “mobile”



## Strumenti TLS

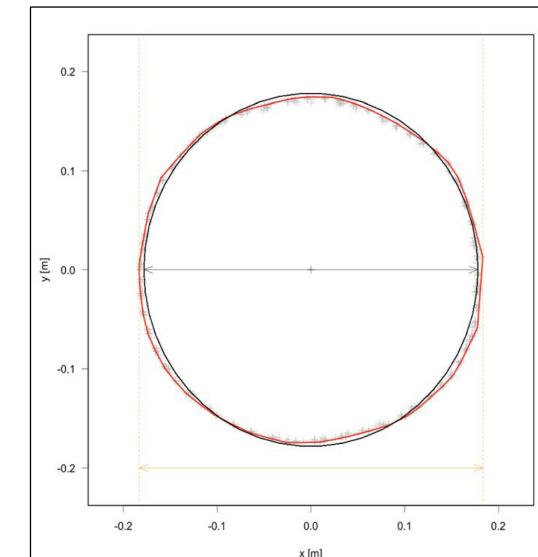
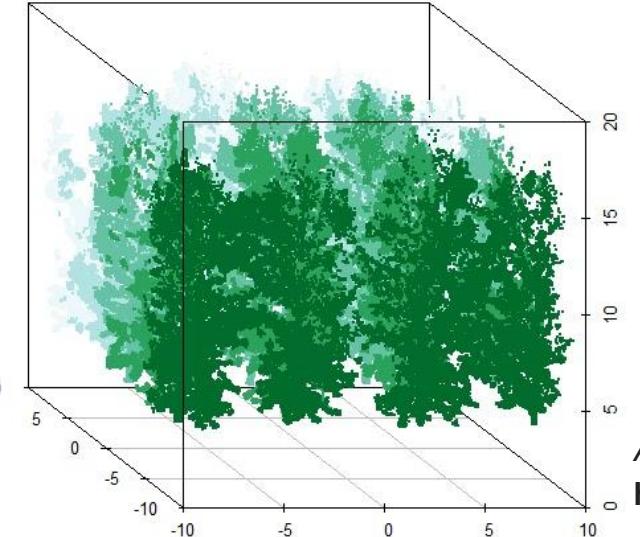
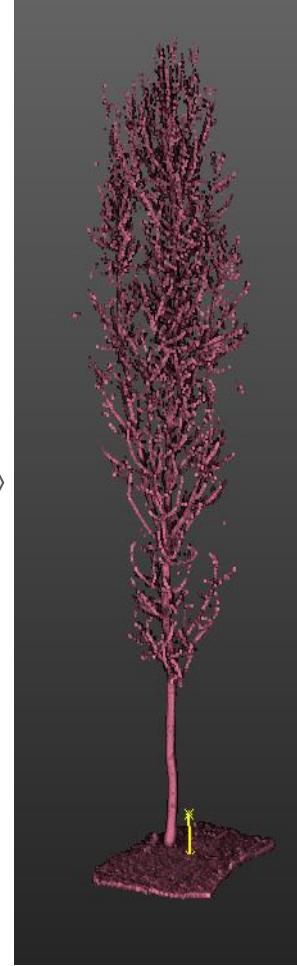
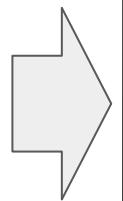
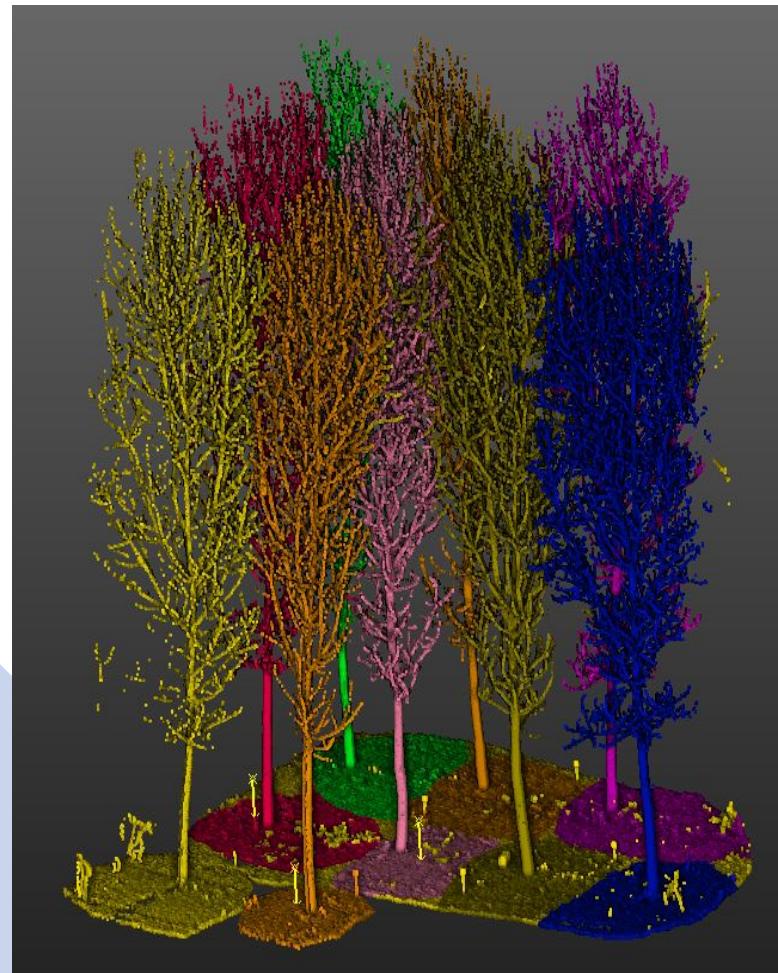


Laser scanner “fisso”

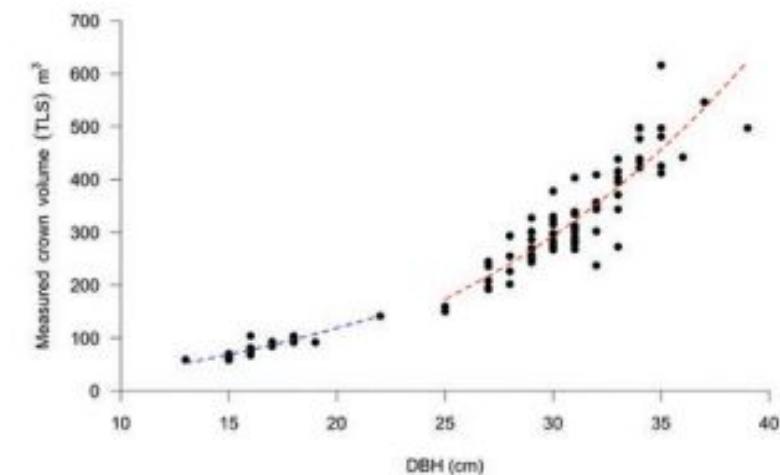
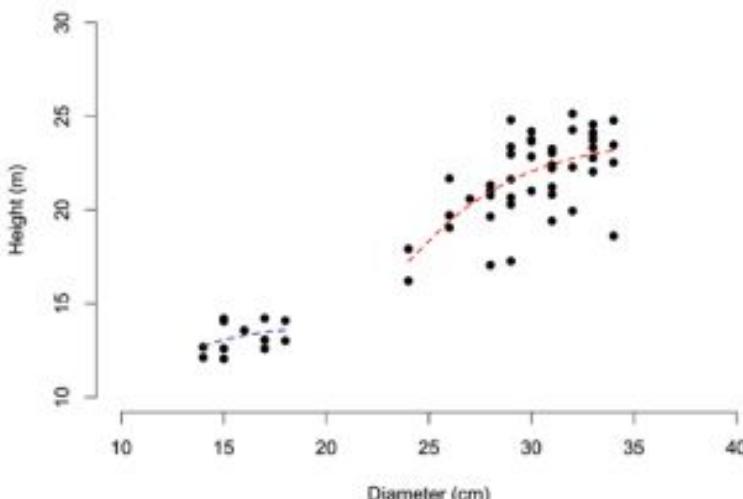
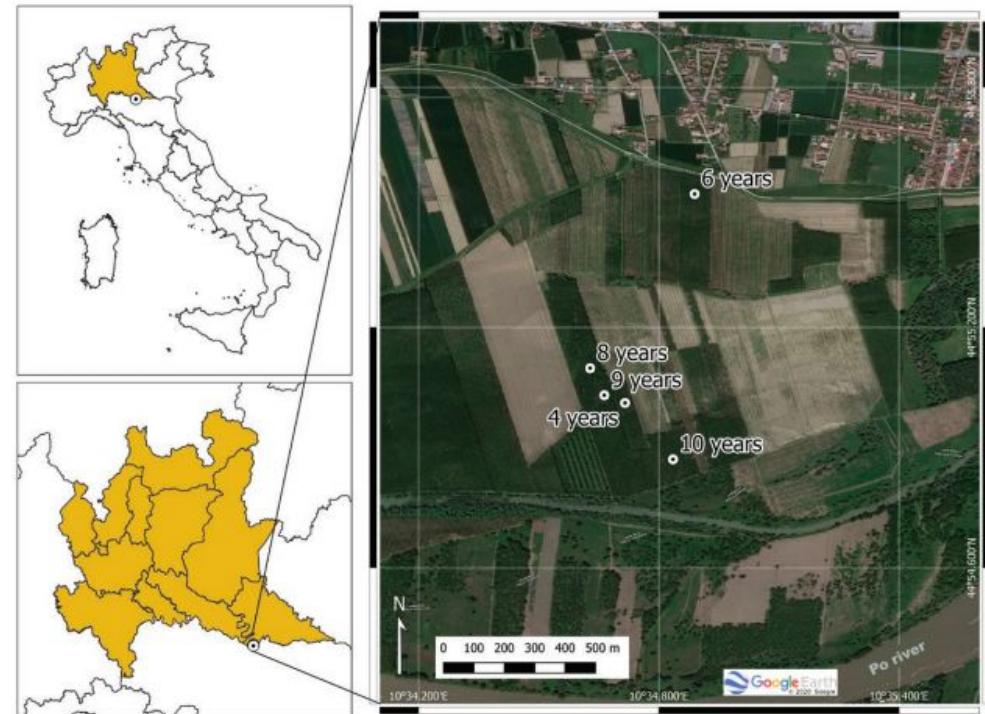
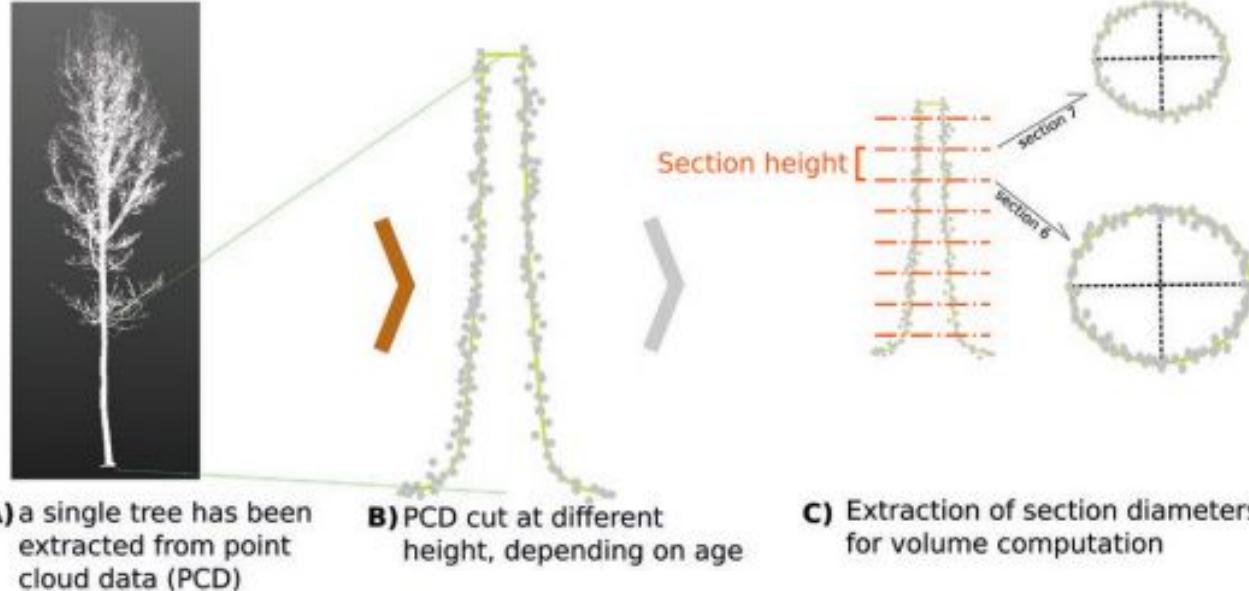




## APPLICAZIONI



## APPLICAZIONI

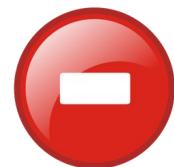


## Conclusioni

in Italia TLS è una tecnologia ancora poco utilizzata sia in ambito forestale che per la gestione di piantagioni



alta precisione della misura, ripetibilità, metodi non distruttivi



costi della strumentazione e alto livello tecnologico richiesto



Nicola PULETTI [nicola.puletti@crea.gov.it](mailto:nicola.puletti@crea.gov.it)



**GRAZIE!**

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