## Reconstructing 3D plant from binary images

## I. Calibration of the camera:

- Compute camera parameters (focal, rotation and translation matrix) for each angle of view with a chessboard image dataset.
- Associate a projection functions (3D -> 2D) obtained trough camera parameters to each binary images.

## **II.Reconstruction 3D:**

- Defines a voxel of the size of the scene.
- And iteratively until the size of voxels desired is attain:
  - 1) Subdivide each voxel in eight
  - 2) Project each voxel on the binary images and remove it if he include no plant pixel.





