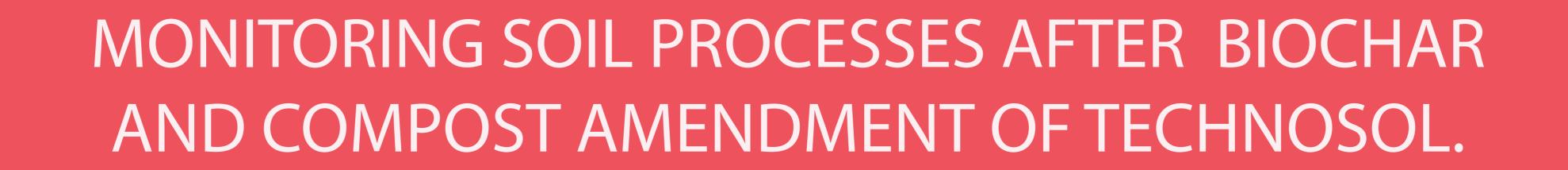


Universidad Nacional Autónoma de México





Siebe. C., Prado, B., Mora, L., Arvizu, L. V., Canteiro, M., Cayetano, M., Chávez, E., Molina, G. M., Moreno, B. I., Ziegler, F. R. A.

THE PROBLEM

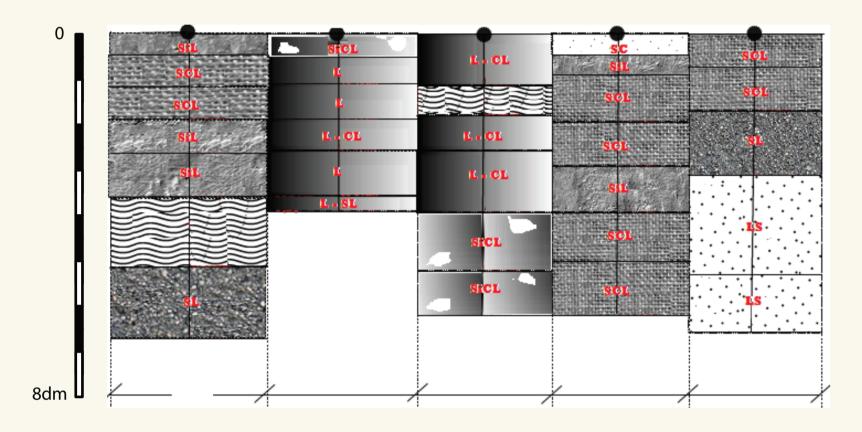
City parks and gardens are often established on excavated materials, containing rubble and garbage. In order to support plants, the porosity and the nutrient contents of these materials need to be improved. This can be achieved by adding compost or biochar, two amendments made out of organic wastes, which are produced in large quantities in cities.

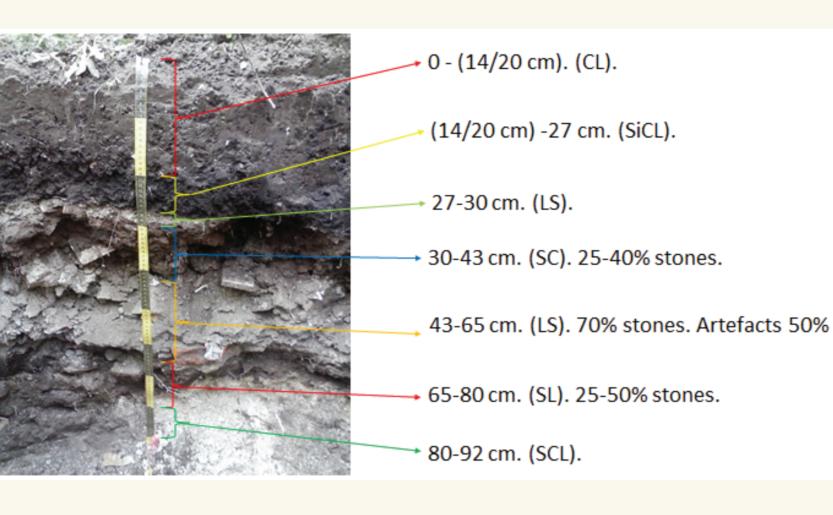
Objective: To monitor the effect of biochar and compost amendments on soil processes in a Technosol.

MATERIALS AND METHODS:

1) Site description:

A) Soil surveying by augering:

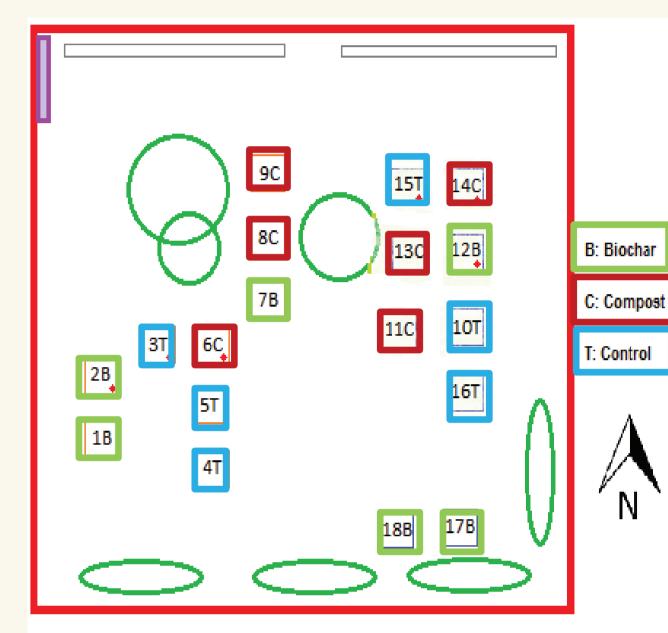




B) Profile description

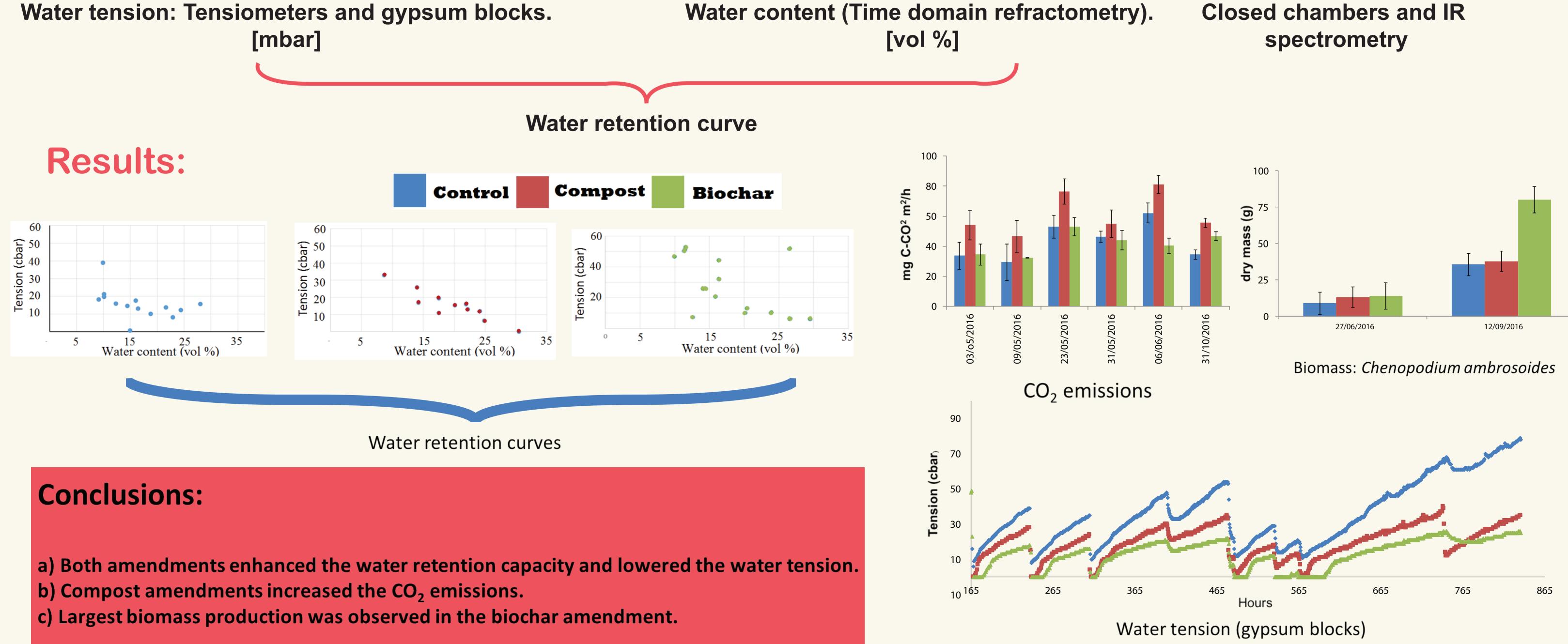
2) Experimental design

Plots of 1m² with 3 treatments: **Biochar, compost and control, in** 6-fold replication. **Dose: 4 kg/m² mixed in 10 cm** depth. In each plot we planted 4 plants of Chenopodium ambrosoides, Rosmarinus officinalis and Lavandula angustifolia.



3) Monitoring of:





Acknowledgements: the non-governmental association G2E provided the biochar used for the experiments, and the compost was provided by the Coordinación de Áreas Verdes y Forestación, UNAM.