Various strategy of management and clonal selection effect on short rotation coppice willow biomass and manual harvesting productivity



Dagnija Lazdiņa, Kristaps Makovskis, Toms Sarkanābols. 1 LSFRI "Silava", LATVIA

The planting was established in April of 2011 when beginning research:

"Development of multifunctional deciduous tree and energy plant plantations model establishment and managment" under regional development fund European project 2010/0268/2DP/2.1.1.1.0/10/APIA/VIAA/118

All clones and species were planted simultaneously. Two thirds of shoots were cut in the beginning of 2012 and the other third in the beginning of 2013.

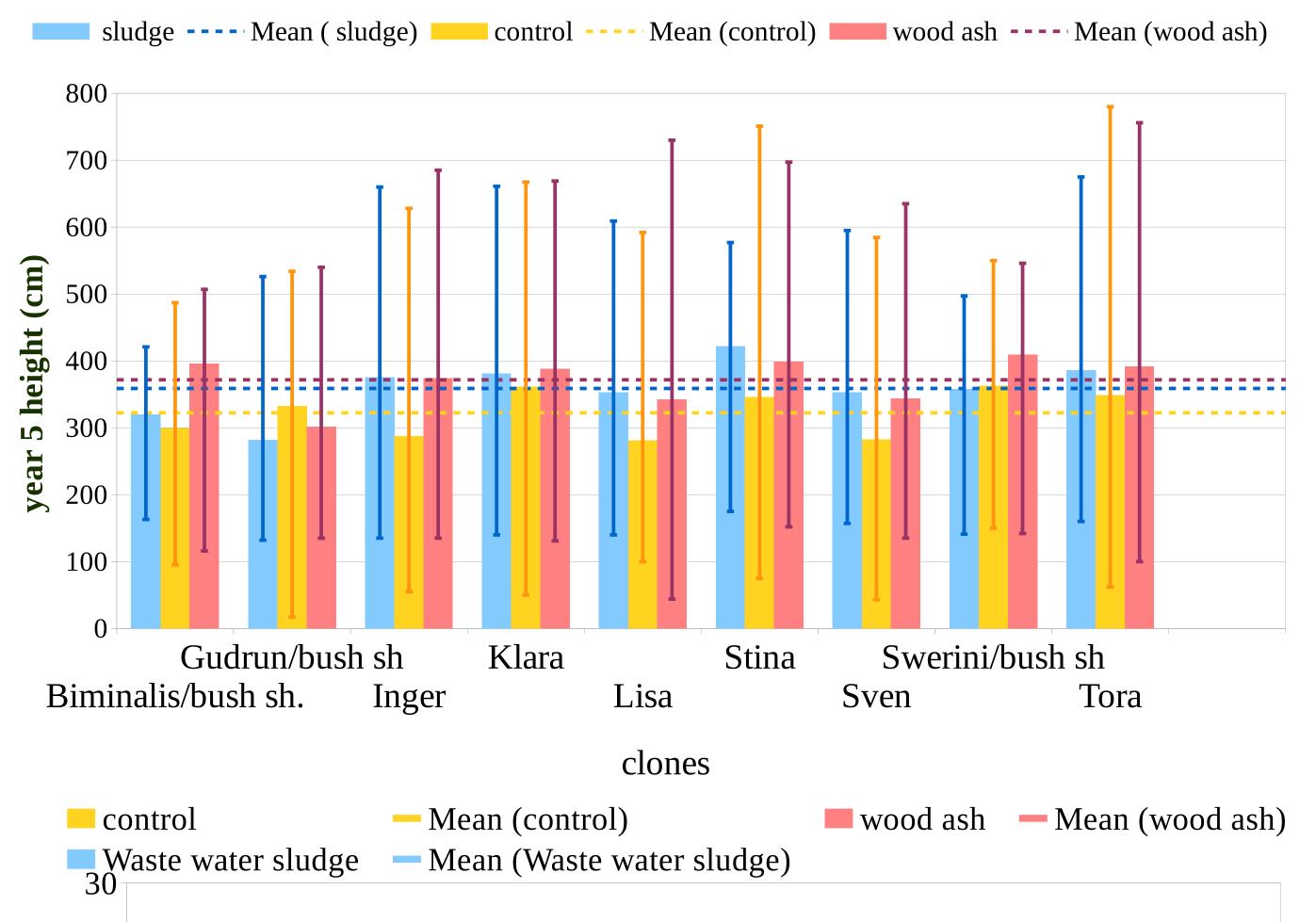
The planting was sustained with funding from the "Research of fast growing tree plantation establishment and management methods and evaluation of the suitability of obtained wood pulp for production of granules" European regional development fund project Nr. 2013/0049/2DP/2.1.1.1.0/13/APIA/VIAA/031 project.

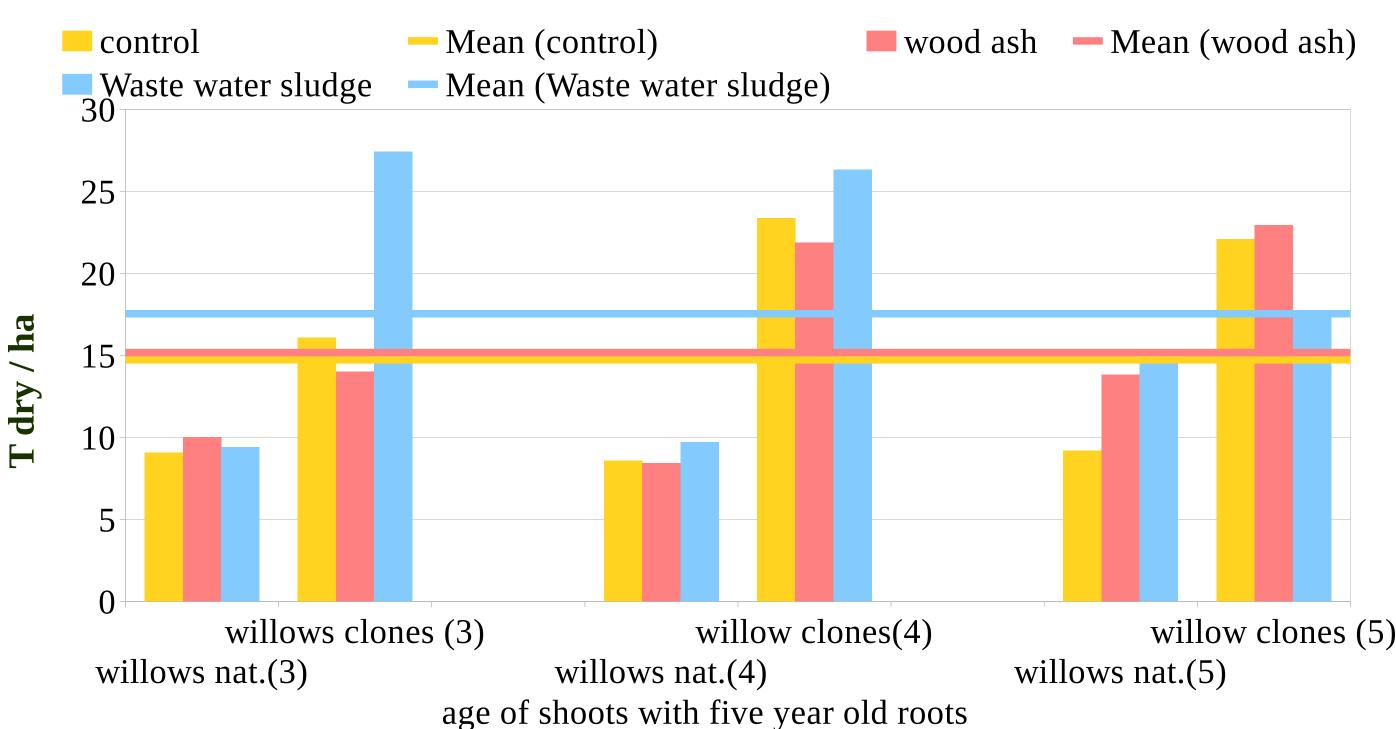
In the end of 2015 realizing the ENERWOODS project measurements were made on 5 year old shoots which are to be grown as trees.

Biomass was obtained from the shoots under the SRC plus project:

- <u>5 year old</u> not cut back, grows in tree-like shape, should be grown as single stand plantings for production of firewood assortment;
- <u>4 year old</u> were cut back once (theoretically for the extension of one extraction shoots) to increase the number of shoots from one planting spot and obbtain more chipping wood;
- <u>3 year old</u> cut back twice (for the extension of theoretically twice extracted shoots).

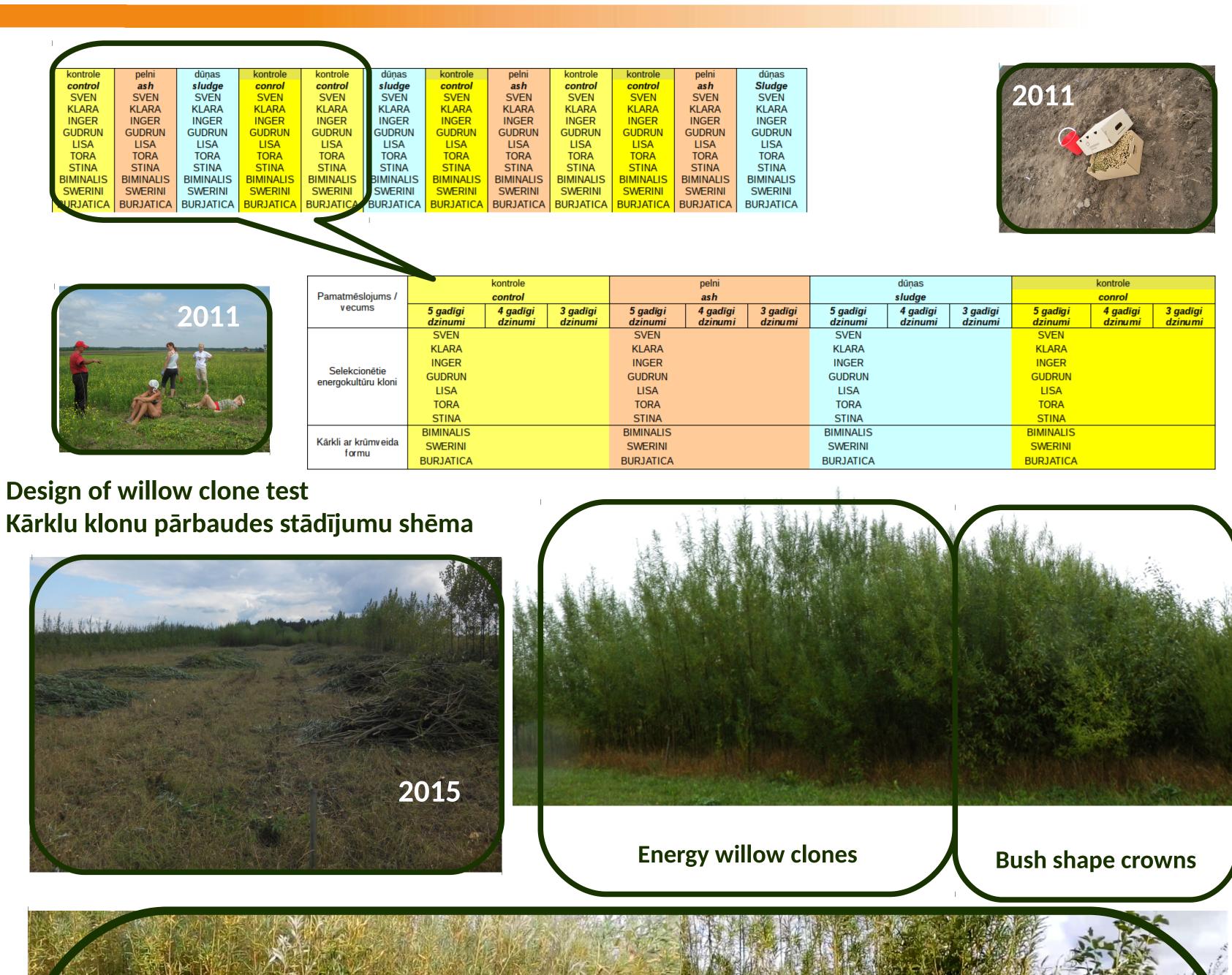
Th extraction of shoots was performed under the SRC plus project with 4 different hand tools and the time of useful varieties was registered!





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Harvesting methods

