Abstract - Research on some scientific and technological bases for intensive timber forests on natural sites.

Intensification of natural forest is an expanded reproduction type in forestry trading by deeply technical investment measures to improve forest yield and quality per cultivating area unit and lower price per forest trees population unit. Scientific and technological basis for forest extensive plantation could be:

- Standing volume capacity on optimal sites could be reached 1,000 m$^3$ per ha.
- Annual average productivity per ha could be improved to 200 to 300% compared to common that at present in natural forests.

The most efficient silvicultural technical solutions for intensive plantations include:

- Simplifying trees composition in "ecodeme".
- Selecting species for enrichment planting and high yield.