

Project Design Summary

Logical Framework

Project Title: Tree Improvement Research Project

From: Fiscal Year 1994 to Fiscal Year 2004

Date Prepared: December 1993

NARRATIVE SUMMARY	VERIFIABLE INDICATORS	MEANS OF VERIFICATION	IMPORTANT ASSUMPTIONS
<p><i>Goal:</i> Increase the availability to local farmers of genetically improved tree seedlings that will increase yields of forest products from their lands.</p>	<p><i>Measures of goal achievement:</i> Genetically improved tree seedlings become available to local farmers.</p>	<p><i>Sources of information, methods used:</i> A sample of local farmers will be surveyed one year after completion of the project, to determine if genetically improved tree seedlings have become available to them, if they are aware of its availability and potential usefulness, and if they have obtained some of the stock for planting on their lands.</p>	<p><i>Assumptions for achieving goal:</i> Seed from the seed orchard will be used to produce seedlings that will be made available to farmers. Farmers will: be informed that the improved seedlings are available; be aware of the potential gains from using the improved stock; obtain, plant, and care for the improved seedlings; and obtain improved yields of timber.</p>
<p><i>Project Purpose:</i> Develop an improved variety of a local timber species that could be planted by farmers to yield a larger volume of timber and provide marketable products at an earlier age.</p>	<p><i>End of project status (conditions that will indicate purpose has been achieved):</i> Establishment and survival of a seed orchard that is producing seed of the desired quality.</p>	<p><i>Sources of information, methods used:</i> Direct observation and testing of seed in trial outplantings that compare growth and yield of improved and unimproved varieties.</p>	<p><i>Assumptions for achieving purpose:</i> There is enough natural genetic variability among the available trees to obtain an improved variety of that species. Seedlings of the improved variety will be produced. The improved seedlings will be accepted and planted by farmers.</p>
<p><i>Outputs:</i> Establishment of a seed orchard to supply seed for a high-yield variety of the desired species. Popular and scientific publications announcing research plans and reporting research results.</p>	<p><i>Magnitude of outputs, planned completion date:</i> The seed orchard will be at least two hectares in extent. The project will be completed by the year 2004. At least one article about the project and its progress published in local news media annually. Three articles reporting research results published in technical or scientific publications.</p>	<p><i>Sources of information, methods used:</i> Direct measurement of the extent of the seed orchard and date of establishment. Clippings or other records of news articles will be filed for future reference. Records will be kept of manuscript submissions to and acceptances by scientific or other journals.</p>	<p><i>Assumptions for generating outputs:</i> Improved varieties of the desired species can be developed in time to establish the orchard and produce improved seed before the end of the project. News media would be willing to publish articles about the project. Time and personnel with the necessary communication skills will be available to produce the publications.</p>
<p><i>Inputs:</i> Funding over a ten-year period. Half-time senior scientist year and three skilled field/laboratory assistants. Land for trial outplantings and the seed orchard. Supplies & equipment.</p>	<p><i>Type, level, and cost of inputs, planned starting date:</i> Funding to cover planned budget to be secured from international funding agency by April 1994. Scientists and the required assistants available for the time period specified. Agreement with public land management agency to commit land for the seed orchard. Detailed list and costs of supplies and equipment needed over time to support the project.</p>	<p><i>Sources of information, methods used:</i> Funding is available for use at planned starting date. Personnel are assigned to begin work at planned starting date. Agreement to commit land for seed orchard is approved and signed. Necessary supplies and equipment have been ordered.</p>	<p><i>Assumptions for providing inputs, initial assumptions about the project:</i> Funding will be available to commit personnel, facilities, and other resources well enough in advance to start the project when scheduled. The land, supplies, equipment, and other resources will be available when needed.</p>

Figure 5.3.3. Simplified example of applying the "Logical Framework" to a fictitious tree improvement research project.