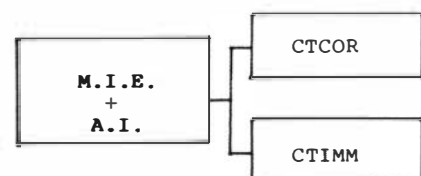
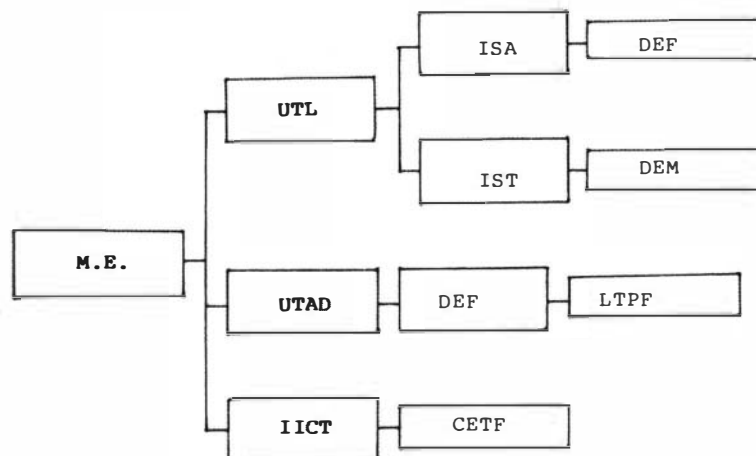
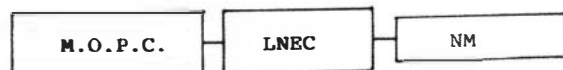
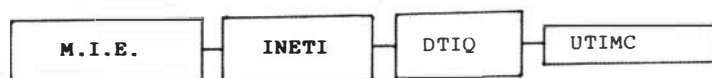
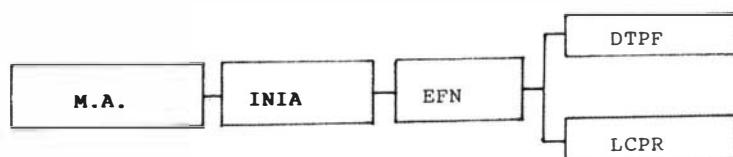


# Forest products research institutions in Portugal

<i>Institutions</i>	<i>Principal objectives</i>
<b>National institute of agrarian research (I.N.I.A.)</b>	. Wood anatomy and identification
National forest research station (E.F.N.)	. Defects and abnormality of woods
Forest products technology department (D.T.P.F.)	. Properties and characteristics of woods
	. Wood quality
	. Sylvotechnology
	. Sylvoindustrial harmonization
	. Mechanical transformation of woods.
	Non-destructive reconstitution
	. Wood preparation. Drying : air drying and deshumidification drying
	. Wood improvement. Durability and impregnability
	. Cork quality. Production and zonal quality
	. Cork preparation technology
	. Valorization of the secondary resources of cork forests, corkoak forest and coppice forests
	. Forest products chemistry. Cork. Resins
	. Resin production technology. Stimulation
	. Specious forestry : essences and fruits
	. Pulpwood and paper : phenotypic variability and technological aptitude
Cork and resin products laboratory (L.C.P.R.)	. Cork products control
	. Resin products control
	. Industrial and quality control development
<b>National institute of industrial engineering technology (I.N.E.T.I.)</b>	. Kiln-drying. High-temperature drying
Technological Unity for wood and cork industries (U.T.I.M.C.)	. Gluing woods
	. Longitudinal slicing technology
	. Corkboard technology
	. Insulation board densification
	. Bark technology
<b>National laboratory of civil engineering (L.N.E.C.)</b>	. Wood durability. News preservative products
Wood nucleus (N.M.)	. Structural timbers recuperation
	. Nondestructive methodologies of mechanical strength of timbers
	. Mechanical fastening. Nails
	. Laminated timbers
<b>Superior agronomy institute (I.S.A.)</b>	. Wood quality of the <i>Eucalyptus globulus</i> in different conditions of the production
Forest engineering department (D.E.F.)	. Anatomy, chemistry and pulping
	. Growth and chemistry characterization of the corks.
	Incidence in the industrial processing
	.../...

<b>Tras-os-montes and alto Douro University</b> (U.T.A.D.) Forestal department (D.F.)	. Growth and quality of forest products. Wood and cork . Genetic improvement support
<b>Superior engineering institute (I.S.T.)</b> Engineering materials department (D.E.M.)	. Cork : structure, physical and mechanical properties of cork tissue
<b>Tropical research scientific institute (I.I.C.T.)</b> Agrarian research department Research center for forest technology studies (C.E.T.F.)	. Wood technology . Wood chemistry . Afforestation . Multi-purpose trees
<b>Technological center of cork (C.T.C.O.R.)</b>	. Industrial production control . Industrial development . Technological formation
<b>Technological center of timber and furniture (C.T.I.M.M.)</b>	. Industrial production control . Industrial development . Technological formation



M.A.- Ministry of Agriculture  
 M.I.E.- Ministry of Industry and Energy  
 M.O.P.C.-Ministry of Public Works and Communications  
 M.E.- Ministry of Education  
 A.I.- Industrial Associations

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