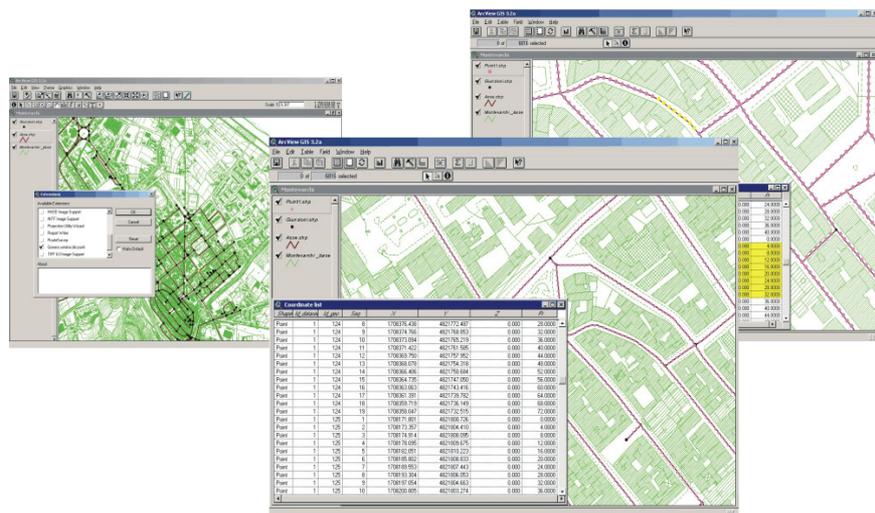


APPLIED EXAMPLES OF GIOTTO SYSTEM

INSTITUTION AND MODERNIZATION OF ROAD CADASTRE FROM EXISTING CARTOGRAPHY

The methodology worked out from the CERA INGEGNERIA for the creation of the road cadastre in agreement to DM (Ministerial Decision) 1/06/2001 foresees:

- Topological representation of the axis and creation of oriented graph;
- Automatic display of the junctions, population of the “geometry” table (*cf. dm 1/6/2001*);
- Discretization of the road axis and population of the “co-ordinate list” table;
- Relief with GIOTTO of the georeferenced images and restitution of attributes (total and partitioned) with software;
- Automatic Population of the “segment attribute” chart and of those correlated.



The modernization of an existing cadastre is more easy and fast and it is put into effect by :

- identification of the main roads up for update;
- survey with GIOTTO of the georeferenced images and restitution of the attributes (total and partitioned);
- Comparison of the restored attributes with those present in database;
- Replacement of updated charts with the existing ones.

