

NO	INSTITUTION	GEOSPATIAL INFORMATION DATASET													
		No	Name	Description	Ownership	Producer	Source information of the data	Date	Update policy	Update method	Data Format	Extent	Coordinate system	Language	Accuracy
1	Immovable Property Central Registration Office (ZKRP)	1	Property Index Maps	AutoCAD DWG/DXF with defined standards	ZRPP	ZRPP (Through contracting Companies)	Digitalization of Property Index Maps in Paper at 1:500, 1:1,000 and 1:2,500 scale	Up to year 2002 (approx)	Theoretically when changes happen	Field measurements	DWG	Countrywide. There is one DWG for each Cadastral Zone	Albanian 1986/Gauss-Kruger Zone 4 (the first figure of the Easting Coordinate is removed, ex. If it was 4,546,234 it is drawn as 546,234)	DWG texts in Albanian, DWG Layers in English	Related with the paper map scale
		2	Cadastral Zone	Cadastral Zone Boundary (polygon geometry)	ZRPP	ZRPP	Conversion from DWG Property Index Map	Up to year 2002 (approx)	Theoretically when changes happen	Field measurements	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4 (the first figure of the Easting Coordinate is removed, ex. If it was 4,546,234 it is drawn as 546,234)	Albanian	related with the paper map scale
		3	Property	Property boundaries (polygon geometry)	ZRPP	ZRPP	Conversion from DWG Property Index Map	Up to year 2002 (approx)	Theoretically when changes happen	Field measurements	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4 (the first figure of the Easting Coordinate is removed, ex. If it was 4,546,234 it is drawn as 546,234)	Albanian	Related with the paper map scale
		4	Building	Building footprints (polygon geometry)	ZRPP	ZRPP	Conversion from DWG Property Index Map	Up to year 2002 (approx)	Theoretically when changes happen	Field measurements	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4 (the first figure of the Easting Coordinate is removed, ex. If it was 4,546,234 it is drawn as 546,234)	Albanian	Related with the paper map scale
		5	First Registration Maps		ZRPP	ZRPP (Through contracting Companies)					DWG, SHP, RDBMS				
		6	Ownership Data		ZRPP	ZRPP & Contracting Companies					Database				
2	Albanian Military Geographical Institute (IGUSH)	1	Topographic Maps at 1:10,000		IGUSH	IGUSH	Field measurements, aerial photography	Last production date 1989	No actually	Not applicable	Paper & Raster	Part of the country (organized in map sheets)	Albanian 1986/Gauss-Kruger Zone 4	Albanian	equal with graphic accuracy
		2	Topographic Maps at 1:25,000		IGUSH	IGUSH	Field measurements, aerial photography	Last production date 1986	No actually	Not applicable	Paper & Raster. Vector by digitalization of all the layers that are part of the map such as elevation, hydrography, transport network, etc.	Countrywide (organized in map sheets)	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Equal with graphic accuracy
		3	Topographic Maps at 1:50,000		IGUSH	IGUSH	Elaboration from topographic maps at scale 1:25,000	Last production date 1980	No actually	Not applicable	Paper & Raster	Countrywide (organized in map sheets)	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Equal with graphic accuracy
		4	Topographic Maps at 1:100,000		IGUSH	IGUSH	Elaboration from topographic maps at scale 1:50,000	Last production date 1980	No actually	Not applicable	Paper & Raster	Countrywide (organized in map sheets)	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Equal with graphic accuracy
		5	Topographic Maps at 1:200,000		IGUSH	IGUSH	Elaboration from topographic maps at scale 1:100,000	Last production date 1980	No actually	Not applicable	Paper & Raster	Countrywide (organized in map sheets)	Albanian 1986/Gauss-Kruger Zone 4	Albanian	equal with graphic accuracy
		6	Topographic Maps at 1:500,000		IGUSH	IGUSH	Elaboration from topographic maps at scale 1:200,000	Last production date 1980	No actually	Not applicable	Paper & Raster	Countrywide (organized in map sheets)	Albanian 1986/Gauss-Kruger Zone 4	Albanian	equal with graphic accuracy
		7	Road Map of Albania at 1:200,000		IGUSH	IGUSH	Elaboration from topographic maps at scale 1:200,000 and updated with field measurements	Last production date 1991	No actually	Not applicable	Paper & Raster	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Equal with graphic accuracy
		8	Road Map of Albania at 1:400,000		IGUSH	IGUSH	Elaboration from topographic maps at scale 1:200,000	Last production date 2002	No actually	Not applicable	Paper & Raster	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Equal with graphic accuracy
		9	Tirana Map at 1:12,500		IGUSH	IGUSH	Elaboration from topographic maps at scale 1:10,000 and updated with field measurements	Last production date 2002	No actually	Not applicable	Paper & Raster	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Equal with graphic accuracy
		10	Aerial Photos for 1:25,000 maps	Aerial photographs used for creation of topographic maps at 1:25,000 scale before year't 90s. The photograph scale is 1:30,000 – 1:40,000, longitudinal coverage of each photo is 50% - 60% and latitudinal coverage 20% - 30%	IGUSH	IGUSH	Aerial photography	Before '90s	Not applicable	Not applicable	Photographic paper with 18x18cm size per photo	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	No info
		11	Aerial Photos for 1:10,000 maps	Aerial photographs used for creation of topographic maps at 1:10,000 scale before years '90s. The photograph scale is 1:13,000 – 1:18,000, longitudinal coverage of each photo is 50% - 60% and latitudinal coverage 20% - 30%	IGUSH	IGUSH	Aerial photography	Before '90s	Not applicable	Not applicable	Photographic paper with 18x18cm size per photo	Same extent as topographic maps at 1:10,000 scale	Albanian 1986/Gauss-Kruger Zone 4	Albanian	No info
		12	Tirana Metropole Map at 1:75,000		IGUSH	IGUSH	Elaboration from topographic maps at scale 1:50,000 and updated with field measurements	Last production date 2003	No actually	Not applicable	Paper & Raster	Tirane, Kavaje, Durres, Rroje	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Equal with graphic accuracy
		13	Map of Kosovo at 1:250,000		IGUSH	IGUSH	Unknown	Last production date 1998	No actually	Not applicable	Paper & Raster	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Equal with graphic accuracy
		14	Sea Map of Durres Bay at 1:25,000		IGUSH	IGUSH	Unknown	Last production date 2000	No actually	Not applicable	Paper & Raster	Durres Bay	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Equal with graphic accuracy
		15	Sea Map of Vloja Bay at 1:35,000		IGUSH	IGUSH	Unknown	Last production date 2002	No actually	Not applicable	Paper & Raster	Vloja Bay	Albanian 1986/Gauss-Kruger Zone 4	Albanian	equal with graphic accuracy
		16	Sea Map of Spille – Radhima Bay at 1:100,000		IGUSH	IGUSH	Unknown	Last production date 2009	No actually	Not applicable	Paper & Raster	Spille – Radhima Bay	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Equal with graphic accuracy
		17	Sea Map of Radhima – Stillos Cape at 1:100,000		IGUSH	IGUSH	Unknown	Last production date 2005	No actually	Not applicable	Paper & Raster	Radhima – Stillos Cape	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Equal with graphic accuracy
		18	Sea Map of Buna Gorge – Lagj Cape at 1:100,000		IGUSH	IGUSH	Unknown	Last production date 2005	No actually	Not applicable	Paper & Raster	Buna Gorge – Lagj Cape	Albanian 1986/Gauss-Kruger Zone 4	Albanian	equal with graphic accuracy
2		19	New Topographic Maps at 1:25,000 layers: • Elevation lines each 10m • Elevation points in characteristic locations such as mountains, hills, and hydrography • Road (classified by width and cover) and Railway network, updated from orthophotos 2007 and Satellite Georeferenced images, bridges, tunnels, etc. • Inhabited areas • Toponyms (dwelling, relief, etc.) • Vegetation cover • Cult objects, monuments, water sources. • Etc.		IGUSH	IGUSH	Field measurements	Started at 2012 and actually in process	Not applicable	Not applicable	SHP	Countrywide (organized in map sheets)	UTM Zone 34N WGS84	Albanian & English	Equal with graphic accuracy
		20	Triangulation network points	Database of triangulation network points of Albania (class 1 – 3)	IGUSH	IGUSH	Field measurements				Database				
		21	Leveling network points	Database of leveling network points of Albania (class 1 – 2)	IGUSH	IGUSH	Field measurements				Database				
3	General Directorate of Civil Status (DPGIC)	1	Administrative Division of Municipalities/Communes	Polygon geometry layer with boundaries of municipalities/communes created based on local government units claims for the purpose of the addressing system functioning	DPGIC	DPGIC in collaboration with Local Government Units	Based on orthophoto 2007	2008 – 2010 (data based on orthophotos of 2007)	Last update is of year 2010 (data based on orthophotos of 2007). The update process is supposed to be carried by the Urban Offices by logging into the system online, but because of the fact that the system is in development of its main functionalities, the update is done locally and then uploaded into the server database	Based on Local Government Units claims	DWG, SHP, SQL Server	Countrywide	UTM Zone 34 North WGS84	Albanian	Same accuracy as orthophotos of 2007
		2	Road Network	Polyline geometry layer for each Local Government Unit and with road name as attribute	DPGIC	DPGIC in collaboration with Local Government Units	Based on orthophoto 2007	2008 – 2010 (data based on orthophotos of 2007)	Last update is of year 2010 (data based on orthophotos of 2007). The update process is supposed to be carried by the Urban Offices by logging into the system online, but because of the fact that the system is in development of its main functionalities, the update is done locally and then uploaded into the server database	Based on Construction Permit Applications, field measurements, new objects (related with addressing system) added in their local digital information by Urban Offices of Local Government Units and upload of this information into central server database	DWG, SHP, SQL Server	Countrywide except for some Local Government Units where there are no orthophotos	UTM Zone 34 North WGS84	Albanian	Same accuracy as orthophotos of 2007

			3	Building	Polygon geometry layer for each Local Government Unit with road code and postal code as attributes	DPGIC	DPGIC in collaboration with Local Government Units	Based on orthophoto 2007	2008 – 2010 (data based on orthophotos of 2007)	Last update is of year 2010 (data based on orthophotos of 2007). The update process is supported to carry by the Urban Offices by logging into the system online, but because of the fact that the system is in development of its main functionalities, the update is done locally and then uploaded into the server database	Based on Construction Permit Applications, field ascertainment, new objects (related with addressing system) added in their digital information by Urban Offices of Local Government Units and upload of the information into central server database	DWG, SHP, SQL Server		Countrywide except for some Local Government Units where there are no orthophotos	UTM Zone 34 North WGS84	Albanian	Same accuracy as orthophotos of 2007
4	Albanian Road Authority (ARRSH)		1	Archive fund with engineering projects	DVDs and dossiers related with engineering projects that are implemented/managed by ARRSH. The information is of engineering nature and is in paper, pdf and dwg drawing formats. It includes road profiles, road plans, and all other technical drawings for implementing a project	ARRSH	Contracting Companies & ARRSH	Unknown	Varies depending on the project	Not applicable	Not applicable	Paper, DWG, PDF		Varies depending on the project	Various	Mainly Albanian & English	Unknown
			2	Road Network	General dwg drawing showing all the road network of Albania and also with updates related with the new built roads, roads in plan, etc.	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	DWG		Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Unknown
			3	Road Database	Database with road attributes	ARRSH	Contracting Company & ARRSH	Road information from ARRSH	Last update about 2008	No actually	Unknown	Access MDB		Countrywide	Not applicable	Interface in English, Data in English and Albanian (mixed)	Unknown
5	Institute of Transport Studies (IST)		1	Road Map of Albania	Road network divided in layers depending on the road width. There are other information saved in respective layers and the quantity of the details is suitable for maps at 1:200,000 scale. Some of the other layers are, dwelling centers with names, previous administrative division, elevation lines. These layers are used just to complete the map presentation but are not subject of updates by the institution	IST	IST	Digitalization of topographic maps (most probably at scale 1:25,000) and generalization of the information for usage in small scales mapping	Year 2014	Each year for road network (other layer is updated by using engineering projects plans)	Update of road network by using engineering projects plans	DWG, SHP (export from DWG)		Countrywide	Albanian 1986/Gauss-Kruger Zone 4 & UTM34N WGS84	Albanian & English	Not defined but likely suitable for small scale mapping
			2	Road Risk Points	The layer contains the risk points in the road network calculated taking in account the number of accidents	IST	IST	Calculations based on road accident points received by police	For years 2008 – 2014	Each 3 – 4 years	Calculations based on road accident points for the years of calculation received from police	SHP		Countrywide	Albanian 1986/Gauss-Kruger Zone 4 & UTM34N WGS85	Albanian & English	Not defined but likely suitable for small scale mapping. Relies on the accuracy of the coordinates of roads accidents which are delivered by police
			3	Road Accidents Points	The layer contains the points where accidents happen in a certain year	IST	IST	Point placement based on information from police	Year 2014	Each year	Point placement based on information from police	SHP		Countrywide	Albanian 1986/Gauss-Kruger Zone 4 & UTM34N WGS85	Albanian & English	Not defined but likely suitable for small scale mapping. Relies on the accuracy of the coordinates of roads accidents which are delivered by police
			4	Dynamics of Road Infrastructure Development map	Map showing the changes on road network due to the realization of different projects. There are other layers which are used just to complete the map presentation, but are not subject of updates from the institution. These layers are the same as for the Road Map DWG	IST	IST	Digitalization of topographic maps (most probably at scale 1:25,000) and generalization of the information for usage in small scales mapping	Year 2014 (road network)	Each year (road network)	Update of road network by using engineering projects plans	DWG		Countrywide	Albanian 1986/Gauss-Kruger Zone 4 & UTM34N WGS84	Albanian & English	Not defined but likely suitable for small scale mapping
				Other geospatial information	<ul style="list-style-type: none"> Road network classified as "Seasonal Roads" and "Footpath" Hydrography (main network and main lakes) Elevation lines Dwelling Centers with names Other map names (name of countries, seas, etc.) 	IST	Contracting Company	Very likely acquired by digitizing the topographic maps at 1:25,000 scale	Base information from topographic maps at 1:25,000 scale (last production date, year 1986). Some updates in road network and dwelling centers (no info about the update date)	No update policy	Unknown	DWG, SHP		Countrywide	Albanian 1986/Gauss-Kruger Zone 4 & UTM34N WGS85	Albanian & English	Not defined but likely equal with the graphic accuracy of the topographic maps at 1:25,000 scale
			6	Road Inventory	Road data table such as, segment lengths, coordinates of starting and ending segment points, road layer, etc.	IST	Unknown	Unknown	Unknown	Unknown	Unknown	XLS		Countrywide	Coordinates of start/end points of road segment in Albanian 1986/Gauss-Kruger Zone 4	Albanian	Unknown
6	Albanian Geological Service (SHGSH)		1	Geological Map		SHGSH	SHGSH	Field measurements and orthophoto 2007 (for thematic data)	Last production of year 2005, the thematic information is updated frequently, as changes happen	Normally each 10 years a new map is produced, monthly updates for specific areas	Field measurements and orthophoto 2007 (for thematic data)	SHP, GDB, Raster		Countrywide for 1:200,000 scale, region based (12 maps) for 1:100,000 scale, map sheet based for 1:50,000 scale (for 100% of the country), map sheet based for 1:25,000 scale (for 84% of the country)	Albanian 1986/Gauss-Kruger Zone 4	Mainly Albanian (few attributes could be in English)	Varies depending on the map scale
			2	Hydrogeological Map		SHGSH	SHGSH	Field measurements and orthophoto 2007 (for thematic data)	Last production of year 2015, the thematic information is updated frequently, as changes happen	Normally each 10 years a new map is produced, monthly updates for specific areas	Field measurements and orthophoto 2007 (for thematic data)	SHP, GDB, Raster		Countrywide for 1:200,000 scale, region based (12 maps) for 1:100,000 scale, map sheet based for 1:25,000 scale (for 68% of the country)	Albanian 1986/Gauss-Kruger Zone 4	Mainly Albanian (few attributes could be in English)	Varies depending on the map scale
			3	Mineral Resources Map		SHGSH	SHGSH	Field measurements and orthophoto 2007 (for thematic data)	Last production of year 2013, the thematic information is updated frequently, as changes happen	Normally each 10 years a new map is produced, monthly updates for specific areas	Field measurements and orthophoto 2007 (for thematic data)	SHP, GDB, Raster		Countrywide for 1:200,000 scale, region based (12 maps) for 1:100,000 scale, map sheet based for 1:25,000 scale (for 57% of the country)	Albanian 1986/Gauss-Kruger Zone 4	Mainly Albanian (few attributes could be in English)	Varies depending on the map scale
			4	Engineering-Geology Map		SHGSH	SHGSH	Field measurements and orthophoto 2007 (for thematic data)	Last production of year 2014 (about), the thematic information is updated frequently, as changes happen	Normally each 10 years a new map is produced, monthly updates for specific areas	Field measurements and orthophoto 2007 (for thematic data)	SHP, GDB, Raster		Countrywide for 1:200,000 scale, region based (12 maps) for 1:100,000 scale, map sheet based for 1:25,000 scale (for 61% of the country)	Albanian 1986/Gauss-Kruger Zone 4	Mainly Albanian (few attributes could be in English)	Varies depending on the map scale
			5	Geohazard Map		SHGSH	SHGSH	Field measurements and orthophoto 2007 (for thematic data)	Last production of year 2015, the thematic information is updated frequently, as changes happen	Normally each 10 years a new map is produced, monthly updates for specific areas	Field measurements and orthophoto 2007 (for thematic data)	SHP, GDB, Raster		Countrywide at 1:200,000 scale	Albanian 1986/Gauss-Kruger Zone 4	Mainly Albanian (few attributes could be in English)	Depending on the map scale
			6	Metalogenic Map		SHGSH	SHGSH	Field measurements and orthophoto 2007 (for thematic data)	Last production of year 2009 (about), the thematic information is updated frequently, as changes happen	Normally each 10 years a new map is produced, monthly updates for specific areas	Field measurements and orthophoto 2007 (for thematic data)	SHP, GDB, Raster		Countrywide at 1:200,000 scale	Albanian 1986/Gauss-Kruger Zone 4	Mainly Albanian (few attributes could be in English)	Depending on the map scale
			7	Tectonic Map		SHGSH	SHGSH	Field measurements and orthophoto 2007 (for thematic data)	Last production of year 2009 (about), the thematic information is updated frequently, as changes happen	Normally each 10 years a new map is produced, monthly updates for specific areas	Field measurements and orthophoto 2007 (for thematic data)	SHP, GDB, Raster		Countrywide at 1:200,000 scale	Albanian 1986/Gauss-Kruger Zone 4	Mainly Albanian (few attributes could be in English)	Depending on the map scale
			8	Geo-Monuments Map		SHGSH	SHGSH	Field measurements and orthophoto 2007 (for thematic data)	Last production of year 2014 (about), the thematic information is updated frequently, as changes happen	Normally each 10 years a new map is produced, monthly updates for specific areas	Field measurements and orthophoto 2007 (for thematic data)	SHP, GDB, Raster		Countrywide Region based (12 maps) at 1:100,000 scale	Albanian 1986/Gauss-Kruger Zone 4	Mainly Albanian (few attributes could be in English)	Depending on the map scale
			9	Geo-Environment Map		SHGSH	SHGSH	Field measurements and orthophoto 2007 (for thematic data)	Last production of year 2014 (about), the thematic information is updated frequently, as changes happen	Normally each 10 years a new map is produced, monthly updates for specific areas	Field measurements and orthophoto 2007 (for thematic data)	SHP, GDB, Raster		Countrywide Region based (12 maps) at 1:100,000 scale	Albanian 1986/Gauss-Kruger Zone 4	Mainly Albanian (few attributes could be in English)	Depending on the map scale
			10	Construction Land Suitability Map		SHGSH	SHGSH	Field measurements and orthophoto 2007 (for thematic data)	Last production of year 2014 (about), the thematic information is updated frequently, as changes happen	Normally each 10 years a new map is produced, monthly updates for specific areas	Field measurements and orthophoto 2007 (for thematic data)	SHP, GDB, Raster		Countrywide Region based (12 maps) at 1:100,000 scale	Albanian 1986/Gauss-Kruger Zone 4	Mainly Albanian (few attributes could be in English)	Depending on the map scale
			11	Other geospatial information	<ul style="list-style-type: none"> Hydrography (point, line and polygon) Transport network (line) Elevation lines (line with height attribute) Elevation points (point with height) Inhabited areas (updated from orthophotos 2007) Administrative boundaries for municipalities/communes and regions previous of new administrative division (polygon with the required administrative attributes) Topographic toponyms (nomenclature) 	SHGSH	Unknown	Digitalization of the topographic maps at 1:25,000 scale (most lately)	The topographic map related information is of year 1986 (the most recent date of the maps). Inhabited areas are updated by SHGSH based on orthophoto information (year 2007)	Unknown	Orthophoto 2007 for inhabited areas	SHP, GDB		Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Same as orthophoto 2007 for inhabited areas and same as topographic maps at 1:25,000 scale for other information
7	Directorate of Water Resources Policies, at Ministry of Environment (DPBU)		1	Water Basins Map	6 basins of Albania drawn using a topographic map at 1:800,000 scale as background	Unknown	Unknown	Unknown	Unknown	No update for the current map. A proposal is made to have a DCM related with the new basin division	Not applicable	PDF		Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Unknown
			2	Engineering placement plans	Engineering placement maps as part of dossiers received from subjects requesting the exploitation of water resources	DPBU	Contracting companies	Unknown	Varies depending on the requested permit	Not applicable	Not applicable	Paper		Countrywide	Unknown	Albanian	Unknown
			3	Permits database	Register of given permits for water sources exploitation	DPBU	DPBU	Decisions related with the given permits	Year 2015	Updated constantly as new permits are issued	From administrative decisions related with the permits	Database		Countrywide	Not applicable	Albanian	Not applicable
			1	Corine Land Cover	Polygon geometry GIS format layer	AKM	AKM	Interpretation of satellite photo of resolution 15, 20 and 30m	Year 2006 completed. There is in process of completing the Corine Land Cover layer of year 2012	Normally each 5 years	Interpretation of a specific year satellite photos of resolution 15, 20 and 30m	SHP		Countrywide	Albanian 1986/Gauss-Kruger Zone 4	English	Varies depending on the satellite photo resolution

8	National Environment Agency (AKM)	2	Forest LCES (Land Cover Classification System)	Polygon geometry GIS format layer	AKM	AKM	Interpretation of satellite photo of resolution 15, 20 and 30m	Year 2005	Normally each 5 years	Interpretation of a specific year satellite photos of resolution 15, 20 and 30m	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian & English	Varies depending on the satellite photo resolution
		3	Protected Areas Network	Polygon geometry GIS format layer	AKM	AKM	Coordinates of vertices, checked with topographic maps and satellite images	Year 2015	Updated only when not a DCM related with this layer	Input new information by coordinates of vertices, checked with topographic maps and satellite images	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Varies depending on the field measured coordinates
		4	Monitoring Stations of Surface Water	Point geometry GIS format layer	AKM	AKM	Field measured, coordinates of stations	Year 2015	Each year for attribute data collection	Field measured stations coordinates	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Varies depending on the field measured coordinates, but it is always satisfactory for the type of use the institution makes
		5	Monitoring Stations of Air Quality	Point geometry and Grid GIS format layers. These are not permanent stations, each year the institution makes measurements of air quality in defined locations, which are not the same from previous year or for the next year. The data collected for each measured location are then used to produce grid coverages for specific areas	AKM	AKM	Field measured, coordinates of stations	Year 2015	Each year for attribute data collection	Field measured stations coordinates	SHP, GRID	Mainly cities (most inhabited) areas and countryside	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Varies depending on the field measured coordinates, but it is always satisfactory for the type of use the institution makes
		6	Monitoring Stations of Noise Pollution	Point geometry and Grid GIS format layers. These are not permanent stations, each year the institution makes measurements of noise pollution in defined locations, which are not the same from previous year or for the next year. The data collected for each measured location are then used to produce grid coverages for specific areas	AKM	AKM	Field measured, coordinates of stations	Year 2015	Each year for attribute data collection	Field measured stations coordinates	SHP, GRID	Cities (inhabited) areas	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Varies depending on the field measured coordinates, but it is always satisfactory for the type of use the institution makes
		7	Other geospatial information • Hydrography (point, line and polygon) • Transport network (line) • Elevation lines (line with height attribute) • 3D Model must probably created from elevation lines (grid) • Inhabited centers (point) • Administrative boundaries previous of new administrative division		AKM	Unknown	Digitalization of the topographic maps at 1:25,000 scale	The topographic map related information is of year 1986 (the most recent date of the maps)	Unknown	Unknown	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Same as topographic maps at 1:25,000 scale
9	National Territorial Planning Agency (AKPT)		Received information from other institutions • From Ministry of Environment in DWG, SHP, PDF, XLS formats • Protected areas with categories • Natural Monuments • Green Belt of Tirana, • Ecologic Network Natura 2000 • From Ministry of Interior all in shapfile format • Border points of Albania • Administrative division of Albania • From QTTB Fushë Krraj all in shapfile • Corline Land Cover 2006 • Land Use • Land Suitability in years 2003 – 2013 • From Albanian Geological Service in PDF and JPG formats • Geological Map of Albania in 1:200,000 • Geological Risk Map of Albania in 1:200,000 • Hydro-Geological Map of Albania 1:200,000 • From National Natural Resources Agency (AKNN) in shapfile format • Discovery, searching and exploitation mineral permits • Eclic parks • Hydropower stations (building)	Institute of information origin	Institute of information origin	Unknown	Various	Depending on the institute of information origin	Depending on the institute of information origin	Mixed	Countrywide	Various (mainly Albanian 1986/Gauss-Kruger Zone 4 & UTM Zone 34N WGS84)	Albanian & English	Depending on the institute of information origin	
			Geospatial information for specific areas, engineering projects and maps • Several maps from ALLUZI for specific areas in PDF, .JPG and DWG formats • Region (Gjirakastër Informalities (3 Municipalities), PDF, .JPG • Maps related with Water Pipe and Sewerage, Roads, etc. from Albanian Development Fund • Different zoning areas from Environment Ministry (14 areas), in shapfile format • Different maps, protected local areas and DCMs for individual culture monuments, in PDF, .JPG, DWG and KML format from Institute of Cultural Monuments and Ministry of Culture • Several (approx. 10) road engineering projects, in DWG format • ZRPP Index maps for several areas, in dwg format • 12 Region maps from Directorate of Land Administration and Protection (DAMP), in .JPG format	Institute of information origin	Institute of information origin	Unknown	Various	Depending on the institute of information origin	Depending on the institute of information origin	Mixed	Countrywide	Various (mainly Albanian 1986/Gauss-Kruger Zone 4 & UTM Zone 34N WGS84)	Albanian & English	Depending on the institute of information origin	
			Geospatial Information Standards (data model for Territorial Planning and Development) • Administrative Boundary (state and LGU) • Address • Cadaster • Buildings • Planning • Land Use • Nature and Environment • Public Services • Road and Transport • Social and Education	AKPT	AKPT & Contracting Company	Not applicable	Year 2011, update in the data structure during the last years	Not applicable	Not applicable	SHP, GML	Not applicable	UTM Zone 34N WGS84	English	Not applicable	
		4	480 defined data layers following the INSPIRE Directive	AKPT	AKPT & Contracting Company	Not applicable	Year 2011	Not applicable	Not applicable	SHP, GML	Not applicable	UTM Zone 34N WGS84	English	Not applicable	
10	Agency of Legislation, Urbanization and Integration of Informal Areas and Buildings (ALUZI)	1	Maps with 6 layers of information (Parcel, Building, Protocol Number, Ownership Number, Floor Numbers, and Object Entrance)	Map with most important layers which are: Parcel, Building, Protocol Number, Ownership Number, Floor Numbers, and Building Entrance	ALUZI	ALUZI	3D digitizing techniques of aerial photography	Ongoing process (the information is dated 2007 as the photography date)	Not applicable	Not applicable	DWG, SHP	Countrywide as photo coverage, the vector data producing it is in ongoing process	UTM Zone 34N WGS84	Albanian	Depends on the resolution of 3D aerial photography and combined with field measurements
		2	Map with 40 layers of information (ex. Road Axes, Hydrography Axes and Polygons, infrastructure layers, etc.)	Map with all layers, all previously mentioned layers, Road Axes, Hydrography Axes and Polygons, infrastructure layers, etc. (all the information that is possible to define in photography)	ALUZI	ALUZI	3D digitizing techniques of aerial photography	Ongoing process (the information is dated 2007 as the photography date)	Not applicable	Not applicable	DWG	Countrywide as photo coverage, the vector data producing it is in ongoing process	UTM Zone 34N WGS84	Albanian	Depends on the resolution of 3D aerial photography and combined with field measurements
		3	Digital Terrain Model	Points with heights	ALUZI	ALUZI	Produced from aerial photography	Year 2007	Not applicable	Not applicable	DWG	Countrywide	UTM Zone 34N WGS85	Albanian	Depends on the resolution of 3D aerial photography
11	Property Restitution and Compensation Agency (AKPP)		Other geospatial received information • Index property maps in DWG format • Environmental Protected Areas in Shapfile format • Natural Energy Resources (hydropower, mines, etc.) in Shapfile format • Road network in DWG format • New Administrative Division in Shapfile format	Vector geospatial information received from other institutions. These data can be in different vector formats and also in different coordinative systems	Institute of information origin	Institute of information origin	Depending on the institute of information origin	Depending on the institute of information origin	Depending on the institute of information origin	Depending on the institute of information origin	DWG or SHP	Countrywide	Depending on the institute of information origin	Depending on the institute of information origin	Depending on the institute of information origin
		5	Database with property declarations	Database with property declarations which is available online	ALUZI	ALUZI	Not applicable	Not applicable	Not applicable	Not applicable	Database	Not applicable	Not applicable	Albanian	Not applicable
11		1	Placement plans for claimed ownerships	ZRPP property information and placement plan drawn by a registered surveyor	AKPP	AKPP	Not applicable	As the decision is taken	Not applicable	Not applicable	Paper, Raster (Scanned) and DWG (few)	Single property claim in most of cases, region-wide in one specific case	Same as ZRPP original dwg (Albanian 1986/Gauss-Kruger Zone 4, but with minus 4,000,000m in East coordinate)	Albanian texts inside the dwg, English/Albanian layer names	Depends on the original dwg from ZRPP and accuracy of the placement plan
12	National Natural Resources Agency (AKNN)	1	Eclic Parks	Polygon geometry related with the Directorate of Renovated Energies requests	AKNN	AKNN	Measured GPS coordinates	Year 2015	If there is a change in the decision	Measured GPS coordinates	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Field GPS measurement accuracy
		2	Risk Areas	Polygon geometry related with risk areas of possible slides due to surface and underground exploitation and industrial pollution	AKNN	AKNN	Measured GPS coordinates	Year 2015	As the change occurs	Measured GPS coordinates	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Field GPS measurement accuracy
		3	Mining Permits	Polygon geometry related with the areas where a mining permit is issued	AKNN	AKNN	Measured GPS coordinates	Year 2015	As the change occurs	Measured GPS coordinates	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Field GPS measurement accuracy
		4	Old Mines Areas	Polygon geometry related with the areas of old mines. Some of these mines are still in function	AKNN	AKNN	Measured GPS coordinates	Year 2015	As the change occurs	Measured GPS coordinates	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Field GPS measurement accuracy
		5	Oil Blocks	Polygon geometry related with the areas of oil exploitation	AKNN	AKNN	Measured GPS coordinates	Year 2015	As the change occurs	Measured GPS coordinates	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Field GPS measurement accuracy
		6	Exploitation Areas Planning	Polygon geometry related with the areas where is allowed to ask exploitation permit during the current year	AKNN	AKNN	Measured GPS coordinates	Year 2015	Planning is done each year	Measured GPS coordinates	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Field GPS measurement accuracy
		7	Hydropower Stations	Point geometry related with the location of the hydropower stations	AKNN	AKNN	Measured GPS coordinates	Year 2015	As the change occurs	Measured GPS coordinates	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Field GPS measurement accuracy
		8	Other geospatial information • Hydrography (point, line and polygon) • Transport network (line) • Elevation lines (line with height attribute) • Elevation points (point with height) • Inhabited areas (updated from orthophotos 2007) • Administrative boundaries for municipalities/communes and regions previous of new administrative division (polygon with the required administrative attributes) • Topographic toponyms (annotation)	Digitalization of the topographic maps at 1:25,000 scale (most likely)	AKNN	Unknown	The topographic map related information is of year 1986 (the most recent date of the maps) inhabited areas updated based on orthophoto information (year 2007)	Unknown	Orthophoto 2007 for inhabited areas	SHP	Countrywide	Albanian 1986/Gauss-Kruger Zone 4	Albanian	Same as orthophoto 2007 for inhabited areas and same as topographic maps at 1:25,000 scale for other information	

13	Agricultural Technology Transfer Center Fushë Krugë (QTTB Fushë Krugë)	1 Land Use	Polygon geometry GIS format layer	QTTB Fushë Krugë, Ministry of Agriculture, Rural Development and Water Administration, Environment European Agency	Directorate of Land and Water Services	Field measurements, interpretation of orthophoto 2007 and satellite images	Starting from year 1998, last update recently	Not with planned intervals	Field measurements, interpretation of orthophoto 2007 and satellite images	SHP	52 municipalities/communes (based on previous administrative division with 373 municipalities/communes)	UTM Zone 34N-WGS84	Albanian, English, Italian	No criteria for accuracy evaluation
		2 Land Suitability	Polygon geometry GIS format layer	QTTB Fushë Krugë, Ministry of Agriculture, Rural Development and Water Administration, Environment European Agency	Directorate of Land and Water Services	Field measurements, interpretation of orthophoto 2007 and satellite images	Starting from year 1998, last update recently	Not with planned intervals	Field measurements, interpretation of orthophoto 2007 and satellite images	SHP	Countrywide	UTM Zone 34N-WGS84	Albanian, English, Italian	No criteria for accuracy evaluation
		3 Land Type	Polygon geometry GIS format layer	QTTB Fushë Krugë, Ministry of Agriculture, Rural Development and Water Administration, Environment European Agency	Directorate of Land and Water Services	Field measurements, interpretation of orthophoto 2007 and satellite images	Starting from year 1998, last update 2015	Not with planned intervals	Field measurements, interpretation of orthophoto 2007 and satellite images	SHP	52 municipalities/communes (based on previous administrative division with 373 municipalities/communes)	UTM Zone 34N-WGS84	Albanian, English, Italian	No criteria for accuracy evaluation
		4 Erosion Risk	Polygon geometry GIS format layer	QTTB Fushë Krugë, Ministry of Agriculture, Rural Development and Water Administration, Environment European Agency	Directorate of Land and Water Services	Field measurements, interpretation of orthophoto 2007 and satellite images	Starting from year 1998, last update 2015	Not with planned intervals	Field measurements, interpretation of orthophoto 2007 and satellite images	SHP	52 municipalities/communes (based on previous administrative division with 373 municipalities/communes)	UTM Zone 34N-WGS84	Albanian, English, Italian	No criteria for accuracy evaluation
		5 WRS Land Classification	Polygon geometry GIS format layer	QTTB Fushë Krugë, Ministry of Agriculture, Rural Development and Water Administration, Environment European Agency	Directorate of Land and Water Services	Field measurements, interpretation of orthophoto 2007 and satellite images	Starting from year 1998, last update recently	Not with planned intervals	Field measurements, interpretation of orthophoto 2007 and satellite images	SHP	Countrywide	UTM Zone 34N-WGS84	Albanian, English, Italian	No criteria for accuracy evaluation
		6 Canine Land Cover	Polygon geometry GIS format layer	QTTB Fushë Krugë, Ministry of Agriculture, Rural Development and Water Administration, Environment European Agency	Directorate of Land and Water Services	Field measurements, interpretation of orthophoto 2007 and satellite images	Starting from year 1998, last update recently	Not with planned intervals	Field measurements, interpretation of orthophoto 2007 and satellite images	SHP	Countrywide	UTM Zone 34N-WGS84	Albanian, English, Italian	No criteria for accuracy evaluation
		7 Olive Parcels	Polygon geometry GIS format layer	QTTB Fushë Krugë, Ministry of Agriculture, Rural Development and Water Administration, Environment European Agency	Directorate of Land and Water Services	Field measurements, interpretation of orthophoto 2007 and satellite images	Starting from year 1998, last update recently	Not with planned intervals	Field measurements, interpretation of orthophoto 2007 and satellite images	SHP	3 communes of Elbasan District	UTM Zone 34N-WGS84	Albanian, English, Italian	No criteria for accuracy evaluation
		8 Vineyard Parcels	Polygon geometry GIS format layer	QTTB Fushë Krugë, Ministry of Agriculture, Rural Development and Water Administration, Environment European Agency	Directorate of Land and Water Services	Field measurements, interpretation of orthophoto 2007 and satellite images	Starting from year 1998, last update recently	Not with planned intervals	Field measurements, interpretation of orthophoto 2007 and satellite images	SHP	Countrywide, but not all the parcels registered	UTM Zone 34N-WGS84	Albanian, English, Italian	No criteria for accuracy evaluation
		9 Technical Cadastral Archive (1927 - 1985)	Archive maps	QTTB Fushë Krugë	Various	Archive material	From year 1927 to year 1985	Not applicable	Not applicable	Raster (scanned)	Countrywide	Various	Mainly Albanian	Not applicable
		10 Information related with Vineyard and Olive Cadaster	Database information related with Vineyard and Olive Cadaster	QTTB Fushë Krugë	QTTB Fushë Krugë	Field collected information	Last update recently	Not with planned intervals	Field collected information	Database	Countrywide	Not applicable	Mainly Albanian	Not applicable
14	Institute of Statistics (INSTAT)	1 Administrative Divisions (373 Municipalities/Communes)	Polygon geometry layer of previous country administrative division with 373 municipalities/communes. The layer has all the required attributes for Region administrative division level	INSTAT	INSTAT	Received and then updated by INSTAT using field visits and procedures of checking the quality based on the information of orthophoto 2007	Year 2011	Periodic updates and final updates before next CENSUS	Field measurements and orthophoto of 2007	SHP, GDB	Countrywide	UTM Zone 34N-WGS84	English	Not possible to define due to not clear definition (by administrative level) of the boundaries in the field. As geometrical accuracy could be considered about 1m.
		2 New Administrative Divisions	Polygon geometry layer of current country administrative division with 61 municipalities. The layer has all the required attributes for Region administrative division level	INSTAT	INSTAT	Created using the previous INSTAT administrative layer by merging the units as the new administrative law decisions	Year 2014	Periodic updates and final updates before next CENSUS	Field measurements and orthophoto of 2007	SHP, GDB	Countrywide	UTM Zone 34N-WGS84	English	Not possible to define due to not clear definition (by administrative level) of the boundaries in the field. As geometrical accuracy could be considered about 1m.
		3 Enumeration area	There are about 12,000 polygons in this layer defined with the rule of covering around 100 buildings for each of them	INSTAT	INSTAT	Field measurements and orthophoto of 2007	Year 2011	Periodic updates and final updates before next CENSUS	Field measurements and orthophoto of 2007	SHP, GDB	Countrywide	UTM Zone 34N-WGS84	English	Geometrical accuracy could be considered about 1m.
		4 Building	Polygon geometry layer of buildings footprint uses for dwelling	INSTAT	INSTAT	Field measurements and orthophoto of 2007	Year 2011	Periodic updates and final updates before next CENSUS	Field measurements and orthophoto of 2007	SHP, GDB	Countrywide	UTM Zone 34N-WGS84	English	Could be considered about 1m.
		5 Road/street	Line geometry layer of road network of the country to support INSTAT field work	INSTAT	INSTAT	Digitalized from orthophotos of 2007 and updated in specific areas by field work	Year 2011	Periodic updates and final updates before next CENSUS	Field measurements and orthophoto of 2007	SHP, GDB	Countrywide	UTM Zone 34N-WGS84	English	Mixed but can be considered about 1m.
		6 Other geospatial information (Inhabited centers)	Point geometry GIS format layer	INSTAT	INSTAT	Various	Updated recently	Periodic updates and final updates before next CENSUS	Various	SHP, GDB	Countrywide	UTM Zone 34N-WGS84	English structure, Albanian names	Not applicable
15	Archeological Service Agency (ASHA)	1 Maps/Plans for definition of archaeological zones in urban areas	These maps/plans define the areas of archaeological zones inside urban areas and are used for construction planning	ASHA, Ministry of Culture	Unknown	Definition of boundaries using a city map information	As the decision is taken by the Ministry	As the decision is taken by the Ministry	Definition of boundaries using a city map information (x/y and coordinates of areas)	PDF, JPG	Specific urban areas	Unclear	Albanian	Unknown
		2 Maps of surveys location	These maps/plans define the area of archaeological survey when a construction/development permit is requested	ASHA	ASHA and the interested company/individual	Definition of area on a satellite/topographic map/area drawing	As the request is made	Not applicable	Not applicable	PDF, JPG	Specific area where the project is going to take place	Unclear	Albanian	Unknown
16	Institute of Cultural Monuments (IMK)	1 Culture Monuments	Polygon, line and point geometry layer produced using Google Earth. The monuments are drawn using different geometries and not all the monuments are finally drawn	IMK	IMK	Handheld GPS field measurements and refining the object using online satellite images such as Google and Bing	There is no specific date, but could be considered as of 2014	When a government decision is taken	Handheld GPS field measurements and refining the object using online satellite images such as Google and Bing	KML	Countrywide	WGS84	Albanian	Handheld GPS accuracy
		2 Historic Centers Zoning maps	The maps are produced using dwg format and the information has polygon geometry. There is one map for each historic zoning	IMK	IMK	Official Decisions, index property maps, topographic maps	There is no specific date, but could be considered as of 2015	When a government decision is taken	Official Decisions, index property maps, topographic maps	DWG	Countrywide (but not as on single layer)	Often no coordinate system (and there are cases where objects are placed in a relative origin)	Albanian	Same as background information used for the map
		3 Monuments Protected Area	The maps are produced using dwg format. There is one map for each protected area	IMK	IMK	Official Decisions, index property maps, topographic maps, satellite images	There is no specific date, but could be considered as of 2015	When a decision is taken	Official Decisions, index property maps, topographic maps, satellite images	DWG, KML (few)	Countrywide (but not as on single layer)	Often no coordinate system (and there are cases where objects are placed in a relative origin)	Albanian	Same as background information used for the map

		4 Monument passport	For each monument and monument zone, the institution produces the object card (in word format) which contains information, descriptions and monument attributes. No unique identification system exists, but the name of the object is used	AME	IME	Unclear		There is no specific date, but could be considered as of 2015	Unclear	Unclear	DOC	Countrywide (one doc per each monument)	Not applicable	Albanian	Not applicable
17	Central Technical Archive of Construction (AQTN)	Infrastructure Archive Fund • Water supply project documentation before and after the Liberation • Channel systematization before and after the Liberation • Water supply - channeling model projects • Documentation of the projects of the bridges before and after the Liberation • Documentation of the projects of the roads before and after the Liberation • Documentation of the projects of the railway roads • Documentation of the projects of railway destinations • Documentation of the model projects of bridges and roads	This fund manages documents which make in total about 35,000 pages, organized in about 8,400 dossiers (paper documents and graphics)	AQTN	Various	Various		The earliest documents starts from 1911	Not applicable	Not applicable	Paper	Project specific area	Various	Albanian, Italian, Russian, Chinese, Czech, Bulgarian, etc.	Unknown
		Urban Planning Fund • Files with construction permits of landowners before and after Liberation • Files of urban planning after the Liberation (regulatory plans, urban planning studies, etc.) • Files of urban planning of cities based upon Decision of the Council of Ministers • Urban planning Documentation of cities before and after the Liberation	This fund manages documents which make in total about 50,000 pages, organized in about 8,500 dossiers (paper documents and graphics)	AQTN	Various	Various		The earliest documents starts from 1918	Not applicable	Not applicable	Paper	Project specific area	Various	Albanian, Italian, Russian, Chinese, Czech, Bulgarian, etc.	Unknown
		Architectural - Industrial Archive Fund • Documentation of socio - industrial facilities such as, Cultural, educational and health buildings, housing, dwelling, administrative centers, plants, poultry farms, refrigerators, etc. • Documentation of designs of objects transferred by I.S.P.U.N. • Documentation of foreign socio - industrial facilities • Documentation of socio - cultural facilities before and after Liberation	This fund manages documents which make in total about 350,000 pages, organized in about 8,400 dossiers (paper documents and graphics)	AQTN	Various	Various		Years 1932 - 2004	Not applicable	Not applicable	Paper	Project specific area	Various	Albanian, Italian, Russian, Chinese, Czech, Bulgarian, etc.	Unknown
		Archive Fund of Hydropower Stations, ports and electrical lines • Documentation of Sub Stations projects • Documentation of low and high voltage lines projects • Documentation of Hydropower Stations projects • Documentation of the projects of ports	This fund manages documents which make in total about 40,000 pages, organized in about 2,500 dossiers (paper documents and graphics)	AQTN	Various	Various		Years 1926 - 1990	Not applicable	Not applicable	Paper	Project specific area	Various	Albanian, Italian, Russian, Chinese, Czech, Bulgarian, etc.	Unknown
		Geology - Geodesy Archive Fund • Geological - geodesic studies • Assisting materials on geodesy • Map sheets with nomenclature • Map sheets with no nomenclature	This fund manages documents which make in total about 42,000 pages, organized in about 18,000 dossiers (paper documents and graphics). There are topographic maps of cities at scales 1:500, 1:1,000 and 1:2,000; about 30% of these are digitized in .dmg format	AQTN	Various	Various		Starting from year 1950	Not applicable	Not applicable	Paper	Project specific area	Various (mainly Albanian 1986/Gauss-Kruger Zone 4)	Albanian, Russian, Chinese, Czech, Bulgarian, etc.	Unknown
		6 Archive Fund on Decisions of the Territory Adjustment Council	This fund manages about 150 dossiers (paper documents and graphics)	AQTN	Various	Various		Starting from year 2000	Not applicable	Not applicable	Paper	Project specific area	Different (mainly Albanian 1986/Gauss-Kruger Zone 4)	Albanian, etc.	Unknown
		7 Fund of Archive Photos	This fund inherited about 26,000 photos and negatives (organized in about 2,000 dossiers) presenting cities, roads and bridges, buildings and industrial facilities in construction. The photo archive shows the evolution in time of the construction sector	AQTN	Various	Not applicable		Starting from year 1943	Not applicable	Not applicable	Photo & negatives	Not applicable	Not applicable	Not applicable	Not applicable