

Evamining Provin	<u></u>	_	1					10	lopment of Turkey
				_		-			iophient of furkey
# Public Institutions	5	A1	A2	B1	В2	с	D	E	
1 COVERNORSHIP	8								
2 PROVINCIAL PUBLIC MALAGEMENT	2								
3 DEDICEPALITY	Ā								Ad. Can data Duputdan
4 Previncial Dr. Of Agriculture	3								A1: Geo-data Provider
5 Previncial Dir. Of National Education	3								A2: Data Provider
TEDA8-Provincial Cir. of Electricity Cintr.	3		_						
7 TEAS-Tailoy Englishing Terramination Comp.	2		<u> </u>						B1: Direct User
6 DSI-Regional Dir. of State Hydraulia Waska	2		_						B2: User
Regional Dir. Of Transportation	Z								<b>DZ:</b> User
10 TCDD-Turkey Registeri Hand Dir.of Relineye	2	-	-	-					<b>C</b> : Developer
11 DLH-Regional Dr. of Sinis Paris&Aliparis	2		-						
12 BOTAS-Pipelinee@Petroleum Transp.Comp.		-							D : Legal
13 PTT-Papelnoini Dir. Of Post	2	_	-	-			_	_	
14 Previncial Dir. of Talescra	8			-			_	_	
15 Previncial Dir. of Public Westz & Selfement	2						_	_	E : Decision Maker
16 Regional Cir. of Highways 17 Previou Dir. of Land Registry and Cadestin	1Ž		-				_		
18 Dir. of Lond Recidiv	1á	-					_		
19 Dir. of Cadage	34			<b>1</b> -1			_		
20 Regional Dir. of Provinces Bank	17			-			_	_	
21 Provincial Dir. of Lingth	ĥ								
22 Regional Dir. of Turkey Statistics Institute	ž	-		-			_	_	
23 Resignal Dr. of Facely	ź						_		
21 Dr. Of Fermix Memory	3		-						•
25 Previns Dir. of Environment and Fernalty	3								
25 Regional Dr. of Meteorology	ž								
27 Canad for Calum and Natural Ent.Program	2								
25 Previncial Dir. of Callans and Tousians	3								
20 MTA-Reg.Dir.of Mineral Res.&Exploration	2			1					Field Work was applied to
30 Previncial Dr. of Industry and Table	3								
21 Previoual Dr. of Security	3								data providers (A1 and A2)
32 Prevince Genderme Command	3								in Trabzon Province
88 Group Command of Count Security	2								
24 Previncial Dir. OF Youth and Sport	3								
35 Previncial Mult. of Religion	а								
28 Diversion of Newlysike and Hydrography	1								
37 Underseconterial of Maximo	1								FIG2010, Sydney - YOMRALIOGLU & AYDINOGL

	E>	kamining	g Provinc	cial GDI	Develop	ment of	Turkey
		Communes	Library	Service/Access.	Date/Content	Software	Device
S W O	3	Protocols were signed for date exchange between public Institutions.	Environment and Forestry, Highways, Hydralautic Works, and etc. have sufficient	uitun alias, suntiaing, and similar applications with web mapping technology.	plan services, Cartastre, etc. use infor- institutional standards according to law and manage geo-duba ciginally.	nast of public institutions, but these programs are not at expected level for GIS functionalities.	'Viment all public Institutions have computer capacity to process geo-data.
т	<b>STRENGHT</b>	* TUIK defined policy and payment procedure for exchange of statistical cluba		* A lot of institutions governly share geo- data on paper maps. * Elachticity, Agriculture, Health, Education, and etc have controlized data management system.	intor institutions and between public	* Deta including stutistics, electricity, etc.are managed on centralized data servers.	* Planning and investment skould be done to build data sever on public institutions of COM
			and naturalis. * Agriculture, Health, Education, Electricity, and etc. do not have sufficient personnel.		* Most institutions archive geo-data on analog format. * Most institutions do not have geo-data and metadata standards.	* Public institutions generally do not have database software. * Public institutions generally do not have image processing software.	"Most of institutions de not kave data/ intemet servers to process gen- data.
_	WEAKNESS		Yuthough Provincial Public Administration laws a writely of backs relating to geo-dule, they do not have sufficient GIS * Pressoned in almost all public institutions have not proceeded the requirement of GCD		*tis geneally dilicat to mange gendica digitally in public institutions.		



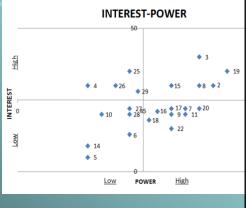
12 of public institutions have High Powe 9 out of 23 public institutions have High Interest.

- -Provincial Public Administration (2),
- -Municipalities (3), -Reg.Dir. of State Hydraulic Works (8),
- -Prov. Dir.of Public Works and Settl.(15) -Directorates of Cadastre (19).

High Interest- Low Power: 4 of public institutions

Low Interest- High Power: 8 of public institutions

Low Interest- Low Power: 6 of public institutions



Examining Provincial GDI Development of Turl 9 of public institutions have High GIS **GIS Technology- Geo-information Needs** Technology 9 of public institutions have High Geo High High GIS Technolo information needs \$ 19 \$ 17 GIS Technology 20 29 ♦ 8 ● 15 ● 16 -Municipalities (3), • 22 -Reg.Dir.of State Hydraulic Works (8), 0 28 78 26
5 • 11 Prov.Dir.of Public Works and Set (15) 10 Low -Reg. Dir. of Highways (16), -Prov.Dir.of Environment and Forestry Low <u>High</u> Geo-information needs Low GIS Technology/ High Geoinfor 4 of public institutions High GIS Technology/ Low Geoinformation needs 4 of public institutions

Low GIS Technology/ Low Geoinformation needs: 9 of public institutions

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## CONCLUSIONS

• The potential of public institutions that work with geo-data was examined in order to build a GDI in Turkey.

 Municipalities, cadastral based administrative units, and environmental related project have been significantly involved in GIS projects in Turkey.

• GIS technology is also highly available. But still there is a great lack of an umbrella institution that can be responsible to coordinate the national spatial data infrastructure procedures.

 The geo-data using policy is missing. Therefore data exchanging between public units is an issue while it is possible inside the institutions.

