FOR EARTHQUAKE MONITORING IN TURKEY								
<u>A. Garago</u> garagon@l	<u>on Dogru</u> , G. Toz, boun.edu.tr	, H. Ozener, O. Gurkan						
BOGAZIO	CI UNIVERSITY							
KANDILLI C	BSERVATORY AND JAKE RESEARCH	Jos for for						
EARTHQI IN	STITUTE	TSTANBUL TECHNICAL UNIVERSITY						
EARTHQI IN GEODES	STITUTE Y DEPARTMENT	ISTANBUL TECHNICAL UNIVERSITY						

## OUTLINE

- ➤ Internet GIS
- > Method, tools, and data
- > Programming a GIS application
- > Work flow of the application
- > Client side of the application





## Forms of Internet GIS

- 1. Raw Data Download
- 2. Static Map Publishing
- 3. Static Web Mapping
- 4. Interactive Web Mapping (Dynamic Maps)
- 5. Distributed GIServices















		Latitude	Longitude	Magn	Depth	Date	Time
	VECTOR DATA		29.100	5.0	000.00	1900.09.20	00:00:00
		37.900	27.900	4.6	015.00	1901.02.23	00:00:00
		38.200	27.700	5.0	000.00	1901.03.01	10:00:00
		38.400	31.400	5.0	000.00	1901.04.01	00:01:00
		38.200	29.600	5.0	000.00	1901.04.01	00:20:00
	Roundaries Lakes Dive	Dive 10.000	44.300	4.1	015.00	1901.04.03	00:57:00
	Doundaries, Eak	37.800	27.800	5.0	015.00	1901.05.00	00:00:00
		39.800	30.500	5.0	015.00	1901.05.12	12:32:00
		42.600	43.400	4.5	003.00	1902.03.20	06:10:03
	Historical Earth	augu ag 37.800	27.900	4.0	012.00	1902.05.00	00:00:00
		quares 37.800	29.100	4.3	015.00	1902.06.21	00:00:00
		42.800	44.200	4.7	010.00	1902.07.03	00:00:00
	EQ Record Stat	0NS 42.600	43.400	3.2	003.00	1902.08.19	02:26:00
F	-	40.700	31.600	3.7	000.00	1902.10.00	00:00:00
	Faultlines	39.000	28.000	5.5	020.00	1903.04.04	00:00:00
	i uuri cines	39.100	42.500	6.3	000.00	1903.04.28	23:46:00
		38.700	41.500	4.9	000.00	1903.05.03	00:00:00
	6PS Stations	40.900	42.800	5.4	016.00	1903.05.28	03:54:03
		37.800	32.500	4.4	000.00	1903.07.06	00:00:00
	Dienlacemente h	GPS 41.400	44.500	4.9	000.00	1903.07.08	04:43:00
		41.100	44.400	4.5	022.00	1903.07.09	13:21:00
			30.000	5.7	020.00	1903.07.19	18:07:05
		42.900	44.700	4.0	008.00	1903.09.02	11:01:00
		42.800	44.900	4.4	040.00	1903.10.18	05:18:05
		37.800	29.100	4.8	020.00	1904.01.01	11:38:00
		40.300	38.400	5.1	000.00	1904.02.16	03:45:00
		42.000	41.400	4.2	014.00	1904.04.27	16:06:00
	Text The	38.400	27.200	5.4	020.00	1904.05.19	10:02:00
	$\sim$	37.700	26.900	6.2	006.00	1904.08.11	06:08:00
		SCHIPT 37.400	26.600	4.5	005.00	1904.08.15	12:12:00
		38.000	27.000	6.0	030.00	1904.08.18	20:07:00













## CONCLUSIONS

- ✓ online earthquake information
- ✓ low technological requirements
- ✓ software-independent system
- ✓ maps are alive on the Internet
- ✓ maximum functionality with minimum effort
- ✓ update and develop the service easily
- ✓ data come from different sources
- $\checkmark$  response time

