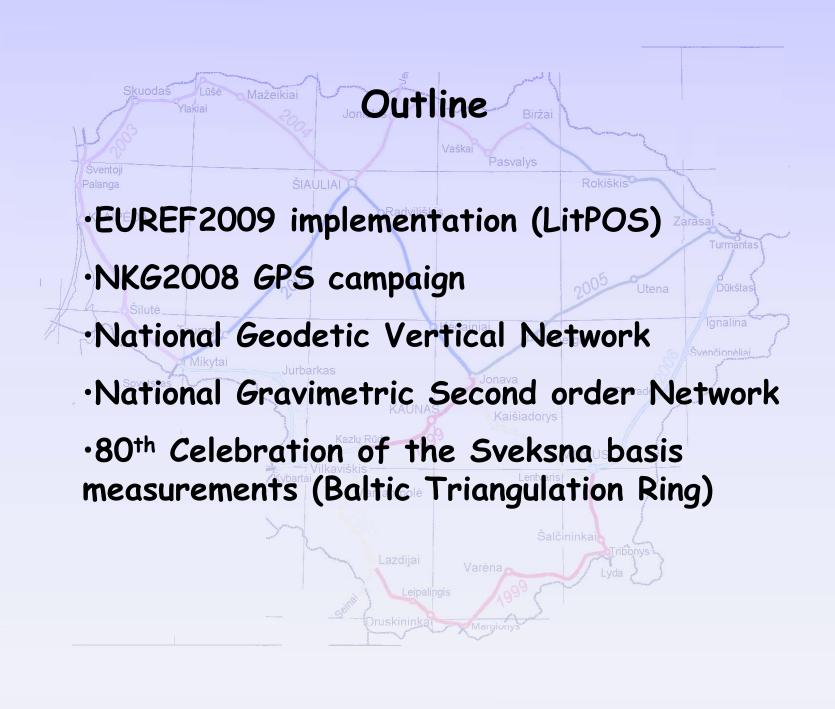
National report of LITHUANIA ŠIAULIAI 💃 Status of the geodetic control of Lithuania and further movements A.Buga, A.Kalantaite, R.Kolosovskis, B.Krikstaponis, R.Obuchovski, E.Parseliunas, P.Petroskevicius, R.Putrimas, E.Sleiteris, S.Urbanas Eimuntas Parseliunas Geodetic Institute of Vilnius Technical University kybartai Vilkavi eimis@ap.vgtu.ltai

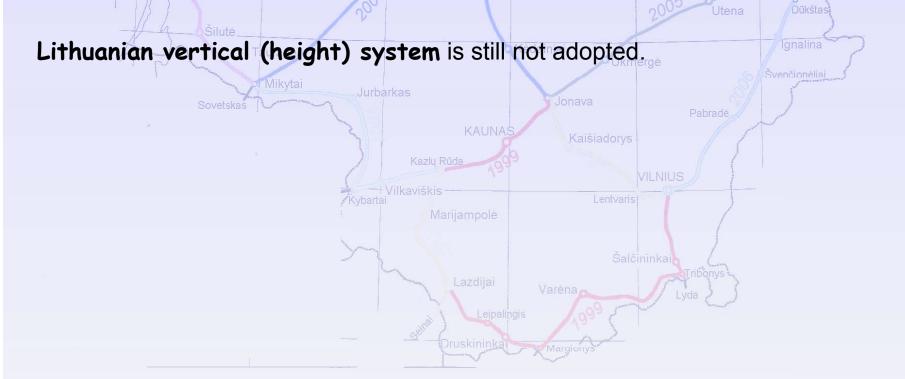
EUREF Symposia, 2009, Florence, Italy



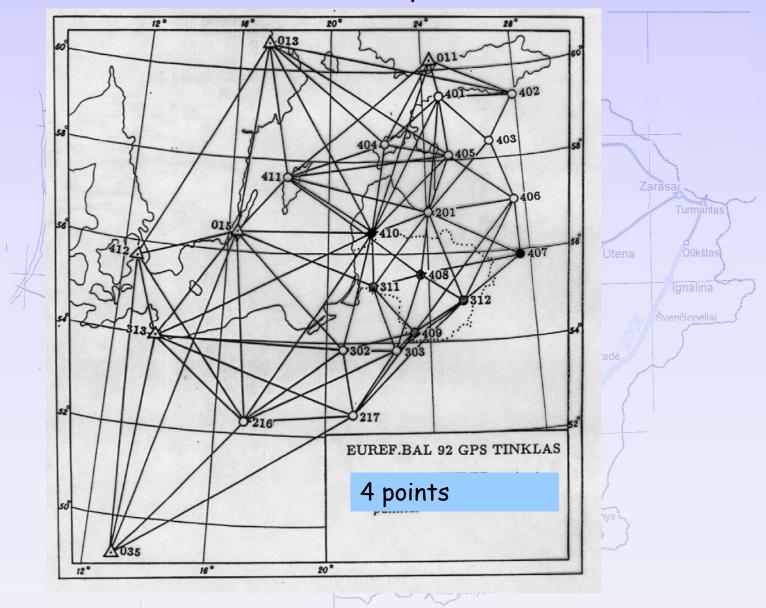
Lithuanian National Geodetic Coordinate System (LKS94) based on common European Terrain Reference System ETRS89

And, taking into account recommendations of International Association of Geodesy, was accepted by the

Resolution No. 936 of Government of Lithuania in September 30, 1994.



NKG Working groups meeting, April 7-10, 2008, Hønefoss, Norway

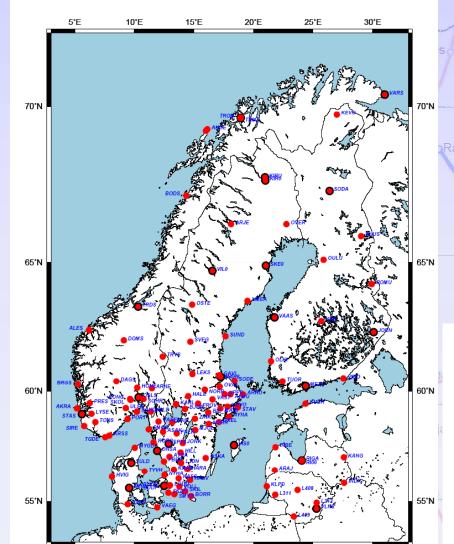


EUREF BAL'92 GPS Network (Class "C")

NKG 2003 campaign (Class "B")

Resolutions

of the EUREF Symposium in Riga, 14 – 17 June 2006



15°E

20°E

6 points

25°E

30°E

Resolution no. 1

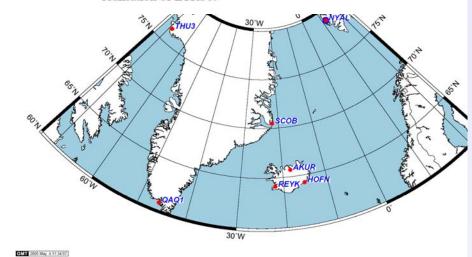
The IAG Reference Frame Sub-commission for Europe (EUREF)

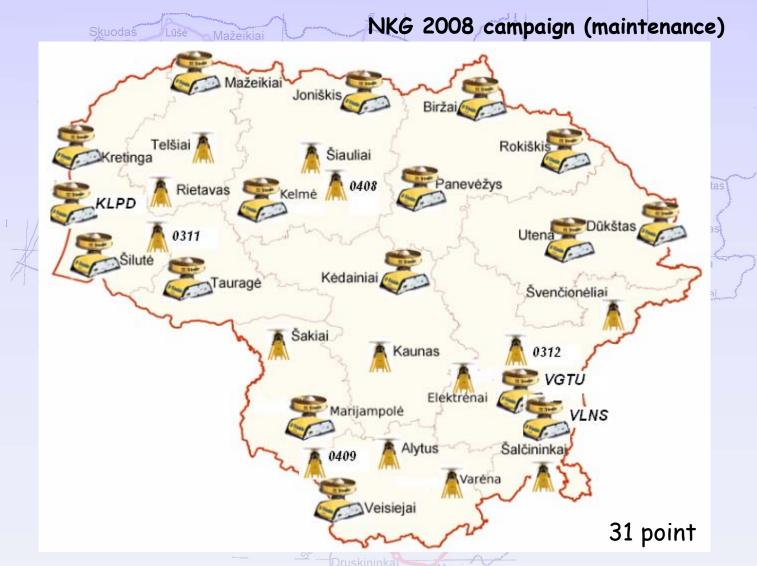
recognising that

- in October 1993 the EUREF-BG-93 campaign in Bulgaria was observed and was reprocessed in 2005,
- in August-September-October 2004 the EUREF-BG-2004 campaign was observed,
- in September-October 2003 the EUREF-NKG-2003 in Scandinavia and the Baltic countries was observed, including points in Latvia and Lithuania, and

all the results were submitted to the EUREF technical working group, where they were accepted as Class B standard (about 1 cm at the epoch of observation)

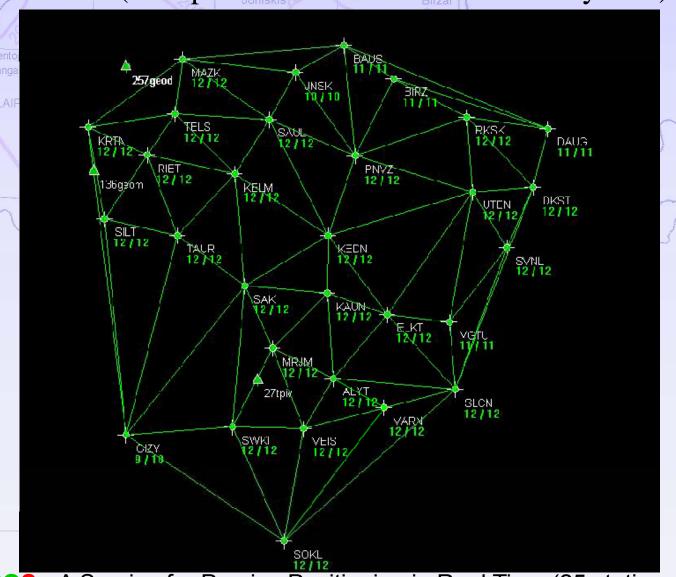
endorses the subset of points submitted to the EUREF Technical Working Group as extensions to the current realisation of ETRS89





LitPOS - A Service for Precise Positioning in Real Time (25 stations)

INSPIRE: Infrastructure for SPatial InfoRmation in Europe EUPOS® (European Position Determination System)



LitPOS - A Service for Precise Positioning in Real Time (25 stations)

National Geodetic Vertical Network (1)

Lithuanian vertical (height) system is still not adopted.

The project of The Resolution of the Government of Lithuania is prepared!

It is based on EVRS Conventions 2007.

IAG SC1.3a EUREF EVRS Conventions V5.1



IAG Sub-commission 1.3a EUREF

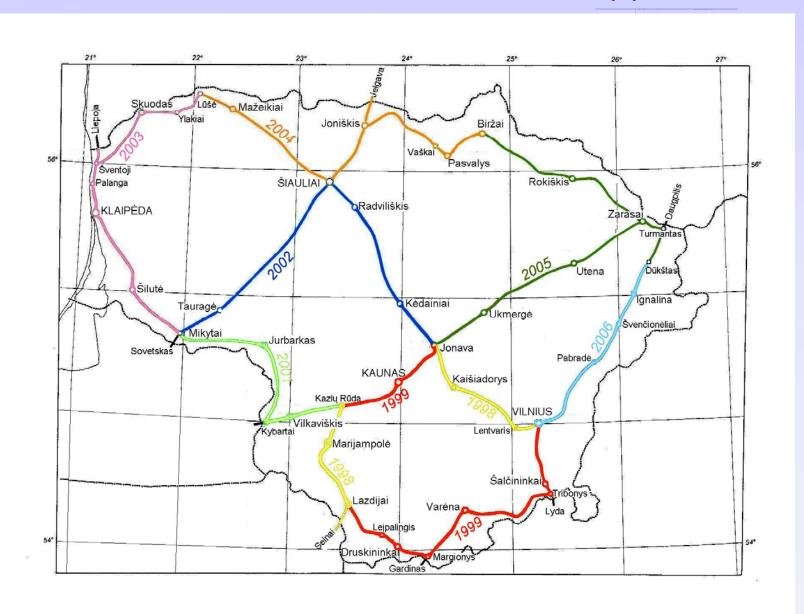
Conventions for the Definition and Realization of a

European Vertical Reference System (EVRS)

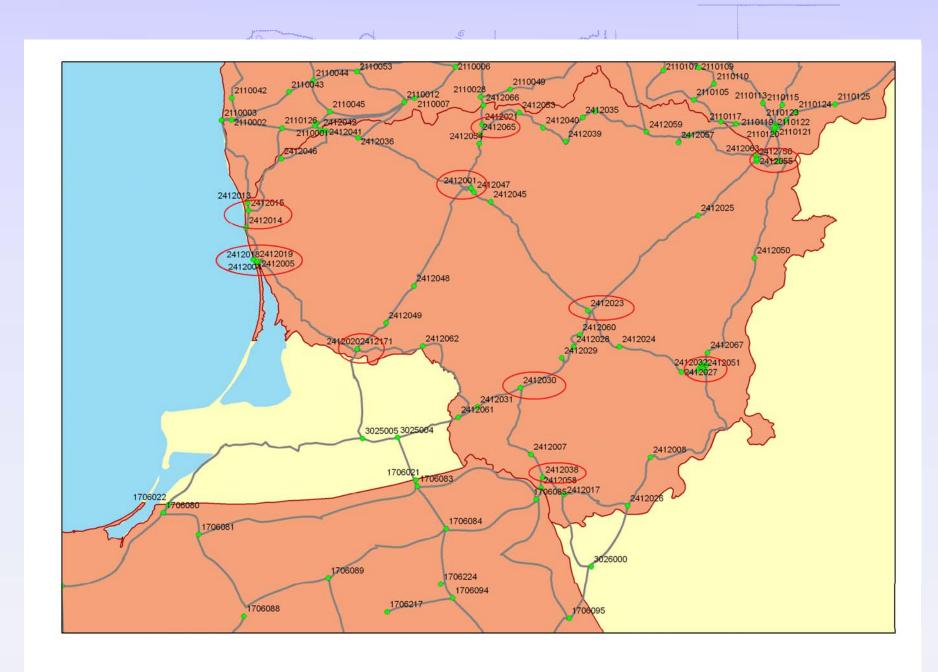
– EVRS Conventions 2007 –

Johannes Ihde¹, Jaakko Mäkinen², Martina Sacher¹,

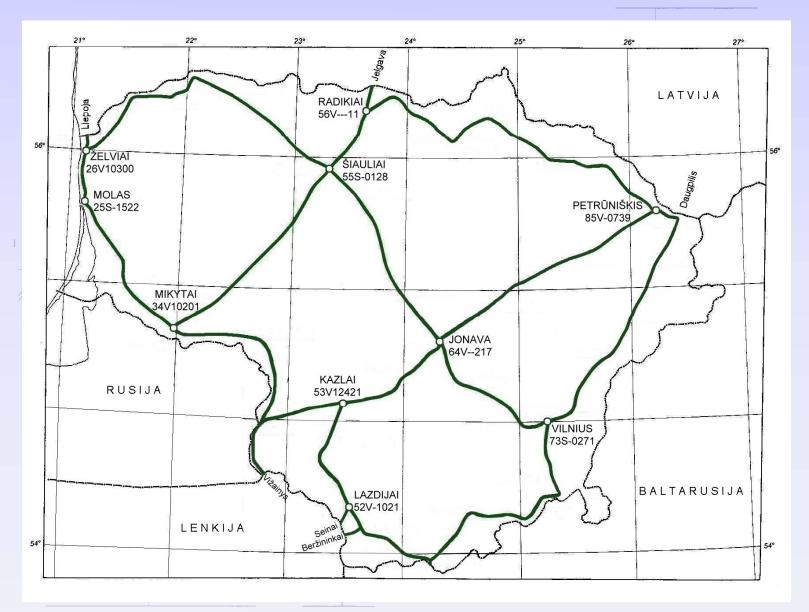
National Geodetic Vertical Network (1)



National Geodetic Vertical Network (3)



National Geodetic Vertical Network (4)



10 datum points

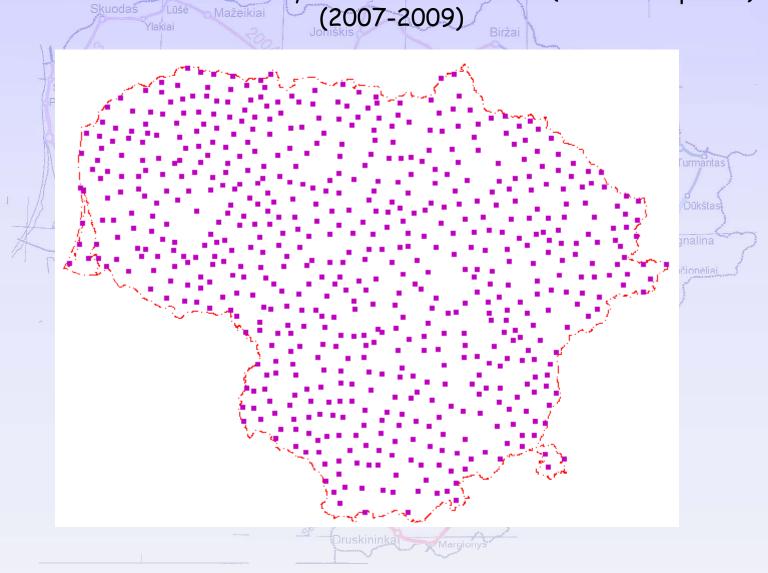
National Geodetic Vertical Network (5)

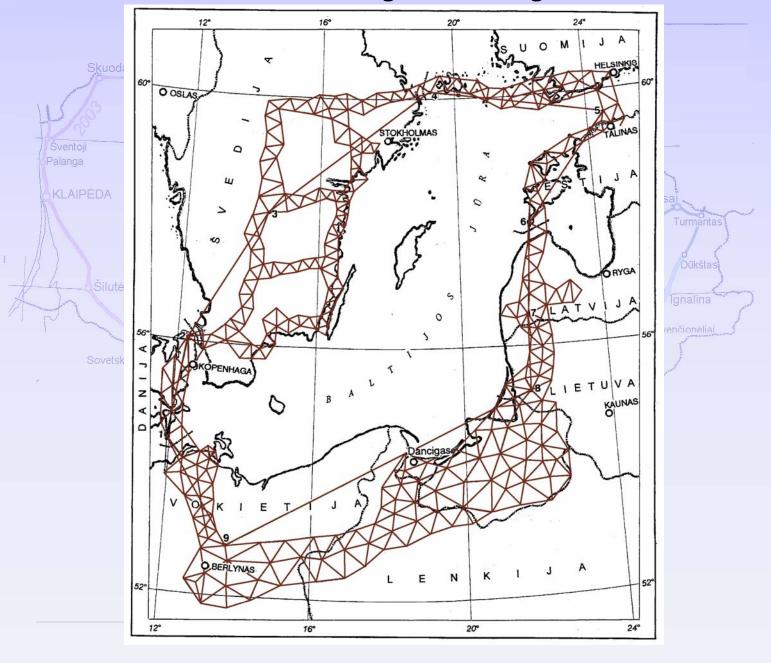
Data of datum points

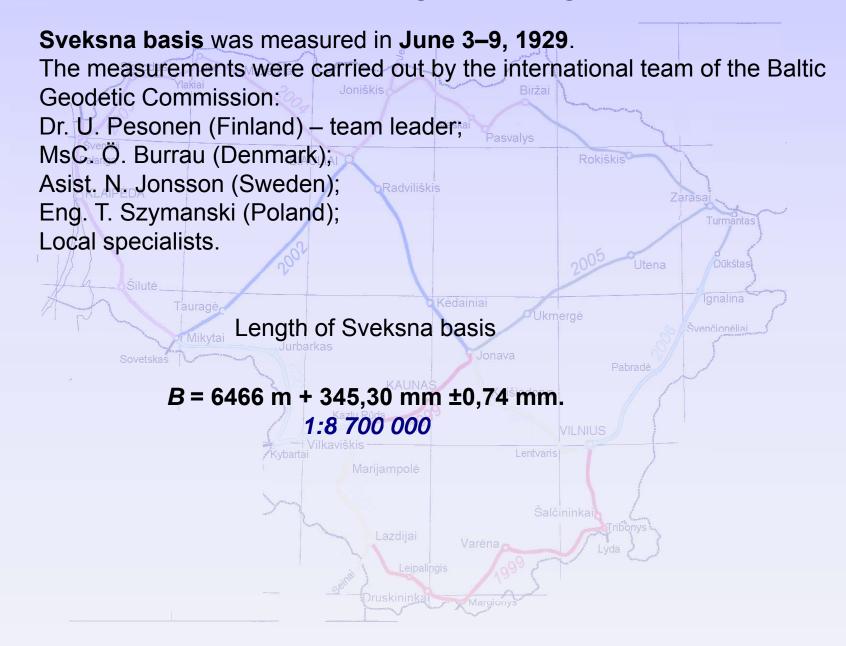
No.	Name	National	UELN	LKS94	Geopotential	Accuracy of	Norma1	LSS07
		code	code	coordinates	number, m ² ·s ⁻² ·10 ⁻¹	geopotential number in UELN	height, m	gravity acceleration, m·s ⁻²
						network, m ² ·s ⁻² ·10 ⁻¹		
1	ŚIAULIAI	55S-0128	2412001	55°54'48,78202'' 23°22'17,18605''	138,795	0,0127	141,402	9,815339
2	VILNIUS	73S-0271	2412002	54°39'11,30417" 25°17'55,19158"	211,797	0,0128	215,801	9,814334
3	MOLAS	25S-1522	2412004	55°43'47,23801" 21°04'58,88606"	4,590	0,0136	4,676	9,815498
4	ŻELVIAI	26V10300	2412015	56°00'41,96954" 21°06'51,86654"	9,126	0,0138	9,297	9,815762
5	MIKYTAI	34V10201	2412020	55°07'54,06812'' 21°57'34,81749''	16,370	0,0116	16,678	9,814947
6	JONAVA	64V217	2412023	55°05'55,95392" 24°16'20,64503"	67,575	0,0122	68,848	9,814745
7	KAZLAI	53V12421	2412030	54°44'43,61659'' 23°28'14,25382''	63,884	0,0112	65,090	9,814756
8	LAZDIJAI	52V-1021	2412038	54°13'18,96189" 23°30'43,65627"	129,529	0,0105	131,981	9,814077
9	PETRŪNIŠKIS	85V-0739	2412055	55°43'08,70335" 26°14'41,29362"	142,250	0,0136	144,924	9,815321
10	RADIKIAI	56٧11	2412065	56°12'13,21889'' 23°34'03,21221''	59,636	0,0134	60,754	9,815793

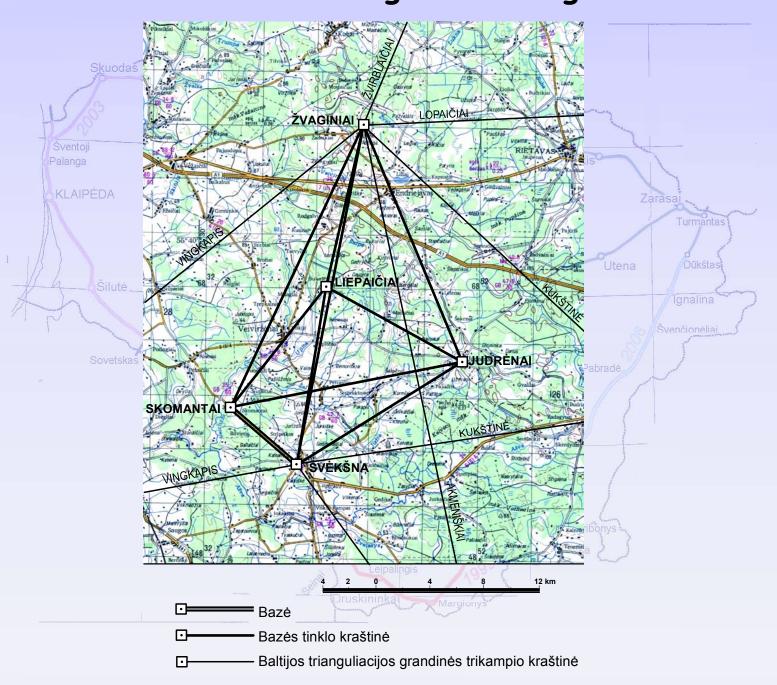
Gravimetric Networks - current works and future plans



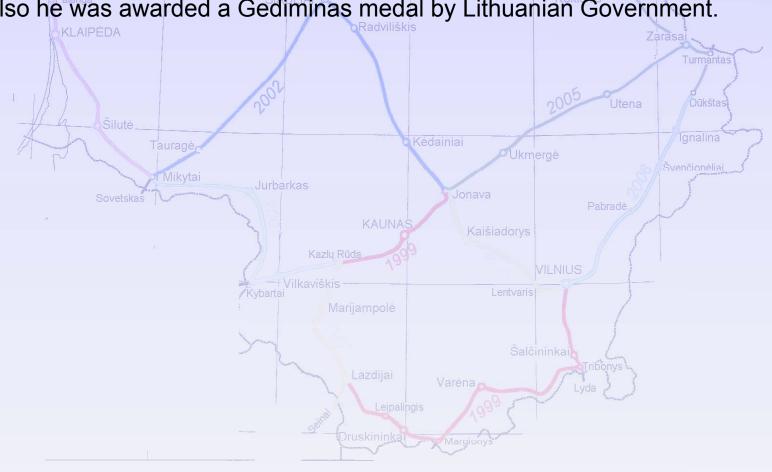












Two end-points of Sveksna basis are in the list of the Culture heritage of Lithuania from 2004.

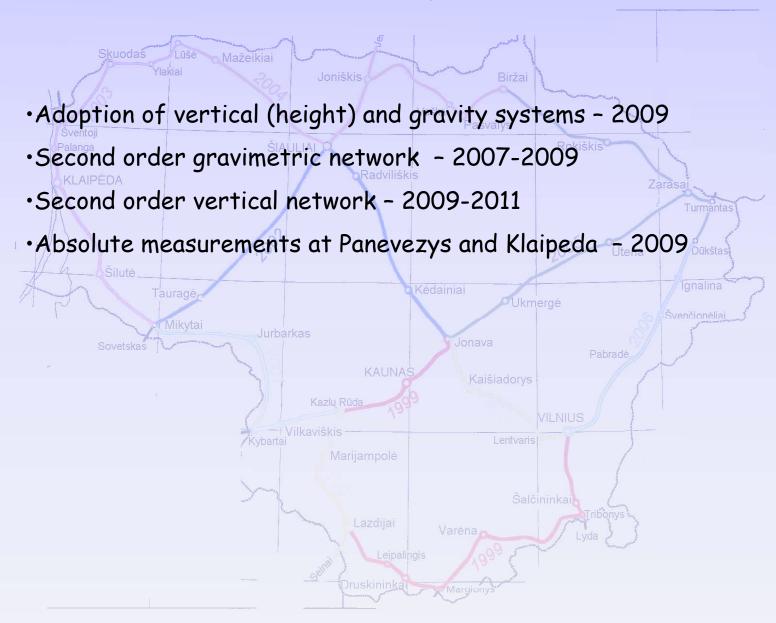


Conference, dedicated to the Baltic Triangulation Ring Sveksna basis geodetic measurements, will be held in Sveksna gymnasium in June 5, 2009.

Everybody is welcome!







Thanks...

