

Czech Regional Seismic Network

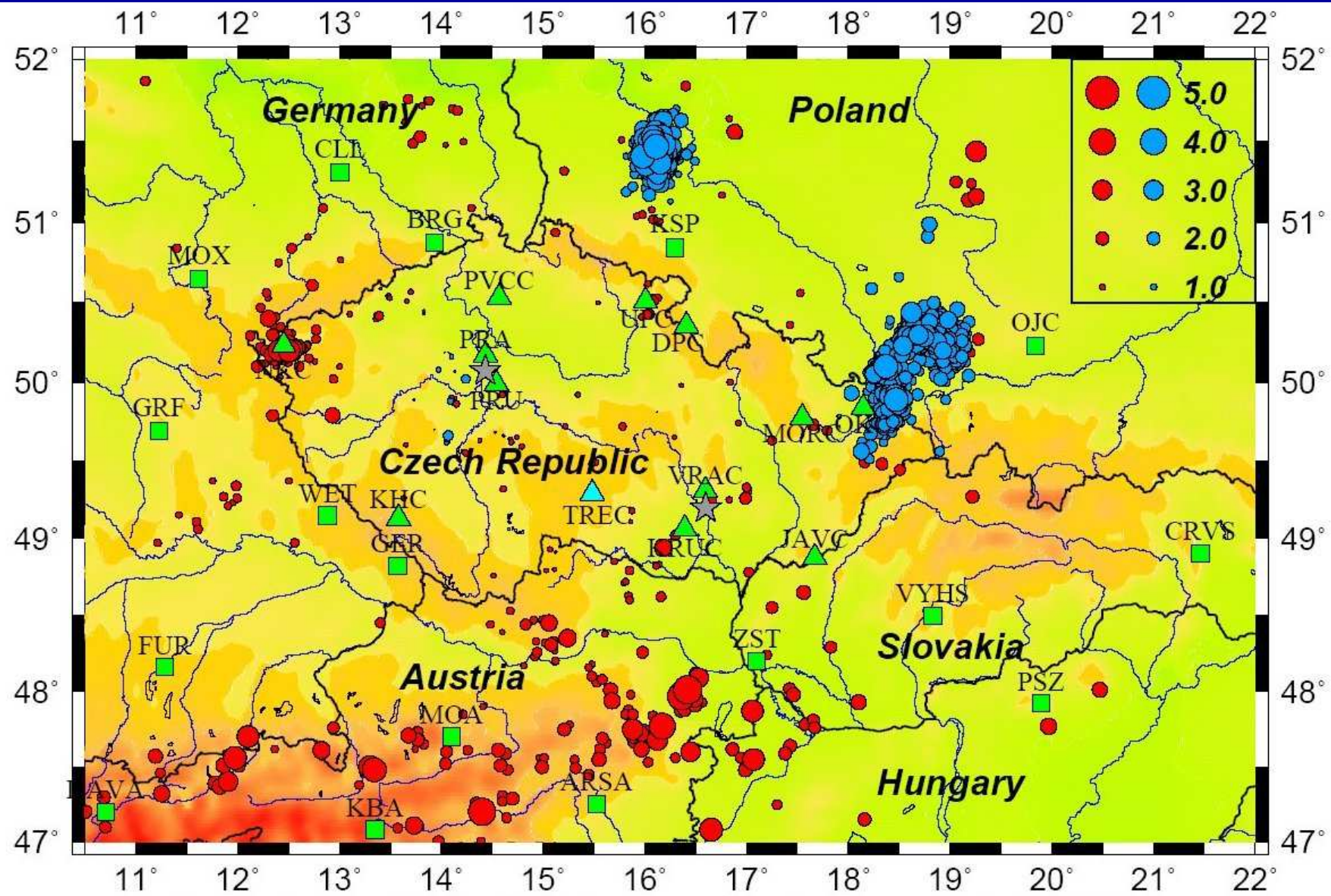
Jan Zedník, Z.Hudová

Geophysical Institute of the Academy of Sciences, Prague

jzd@ig.cas.cz

EAUG Meeting, Trieste, November 29-30, 2004

Stations of the Czech Regional Seismic Network and seismic events in 2000-2004



Overview of the CRSN stations

Station	Code	Latitude	Long.	Alt.	Operator	Sensor	DAS	Open
Průhonice	PRU	49.9883	14.5417	302	GI Prague	Kirnos + SP	Lennartz 5800	1991
						CMG-3T+SP	Vistec	1997
						STS-2 + SP	ED+SC	2003
Kašperské Hory	KHC	49.1309	13.5782	700	GI Prague	Kirnos + SP	Lennartz5800	1995
						STS-2 + SP	Vistec	1997
							ED+SC	2003
Dobruška/ Polom	DPC	50.3502	16.3222	748	GI Prague	STS-2 FBA EpiSensor	Quanterra	1992 2004
Nový Kostel	NKC	50.2331	12.4479	564	GI Prague	STS-2	Vistec	1997
							ED+SC	2003
						FBA EpiSensor		2004
Panska Ves	PVCC	50.5282	14.5689	311	GI Prague	STS-2	ED+SC	2003
Upice	UPC	50.5000	16.0222	737	GI Prague	SP	Vistec ED+SC	2000 2003
Ostrava/ Krásné Pole	OKC	49.3087	18.1472	272	TU/ÚGN Ostrava	CMG-3ESP + SP	Vistec ED+SC	1998 2003
Vranov	VRAC	49.3087	16.5954	475	IPE Brno	TSJ-1b STS-2	Lennartz Quanterra	1991 2003
Moravský Beroun	MORC	49.7760	17.5470	743	IPE Brno/ GEOFON	STS-2	Quanterra	1994
Moravský Krumlov	KRUC	49.0619	16.3951	341	IPE Brno/ ZAMG	STS-2	Quanterra	1995
Velká Javorina	JAVC	48.8757	17.6707	827	IPE Brno/ ZAMG	STS-2	Quanterra	1995
Praha	PRA	50.0703	14.4331	225	Charles Univ .Prague	CMG-3T	PC acquisition	1994

Dobruska/Polom (DPC)

Geophysical Institute AS CR

N50.35 E16.32 748 m



- Station of the Federation of the Digital Seismological Networks
- DAS: Quanterra Q4132
- Sensor: STS-2, EpiSensor
- Timing: GPS
- Access: over Internet to GI in real time
- Sampling: 20 Hz
- Data format: miniSEED
- Available data: AutoDRM, WWW – June 1998 - present continuous
IRIS DMC - continuous since 1992

Kasperske Hory (KHC)

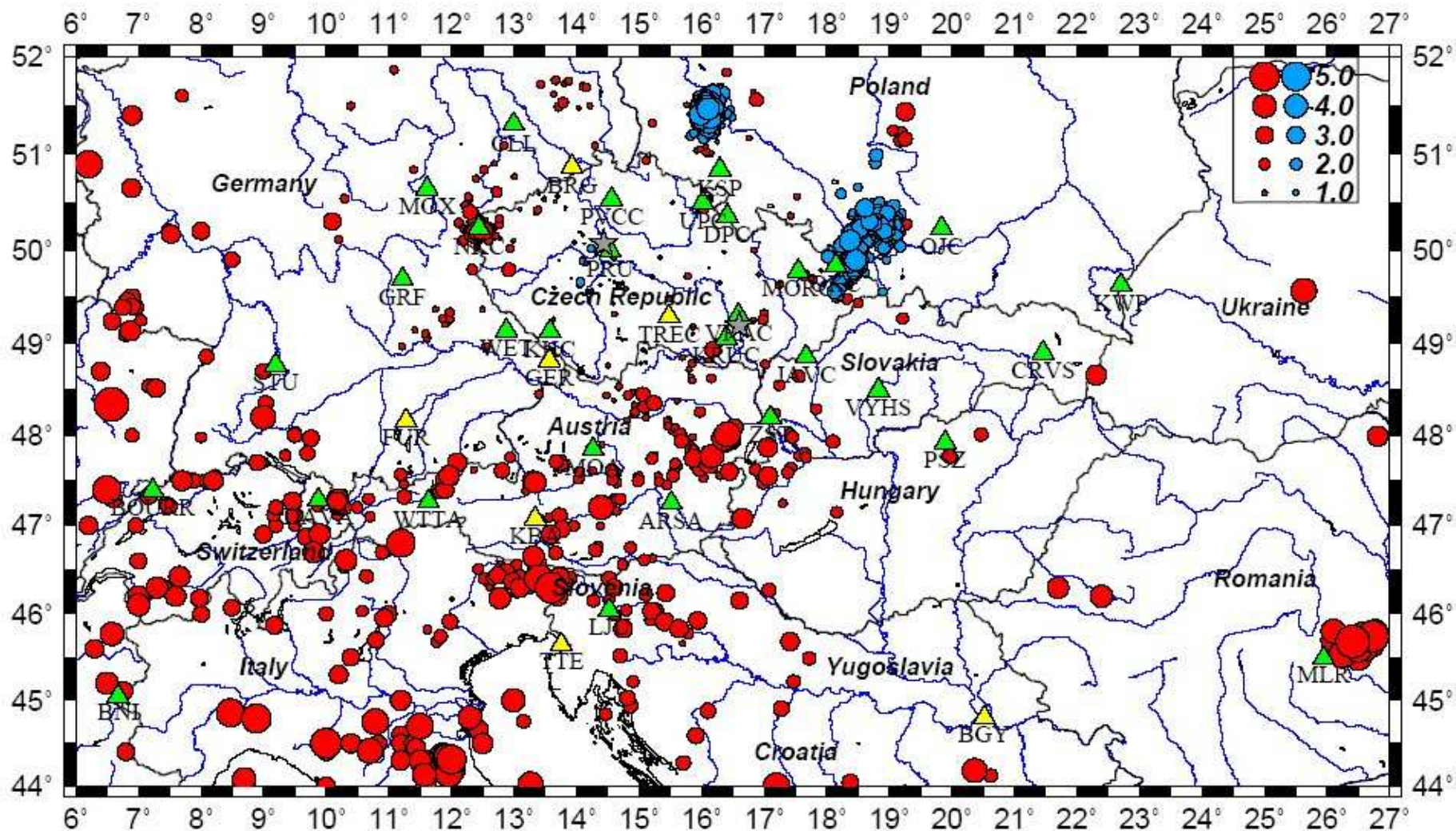
Geophysical Institute AS CR

N49.13 E13.58 700 m



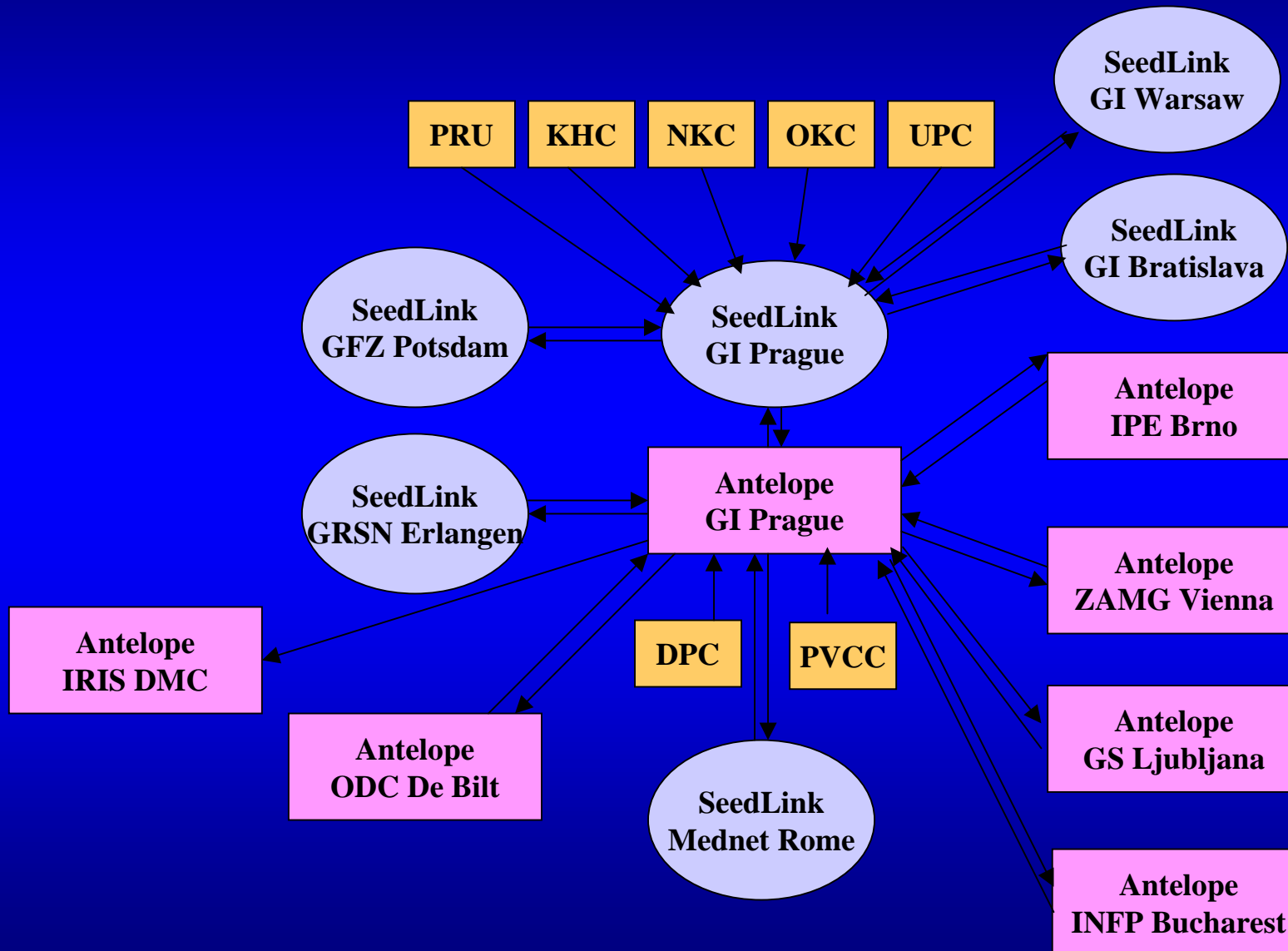
- DAS: EarthData + SeisComP
- Sensors: STS-2, SKM-3
- Timing: GPS
- Access: over Internet to GI in real time
- Sampling: 20 Hz
- Data format: miniSEED
- Available data: AutoDRM, WWW: June 2000 - present continuous
CD-ROM - events since 1988

Virtual network of the Geophysical Institute ASCR

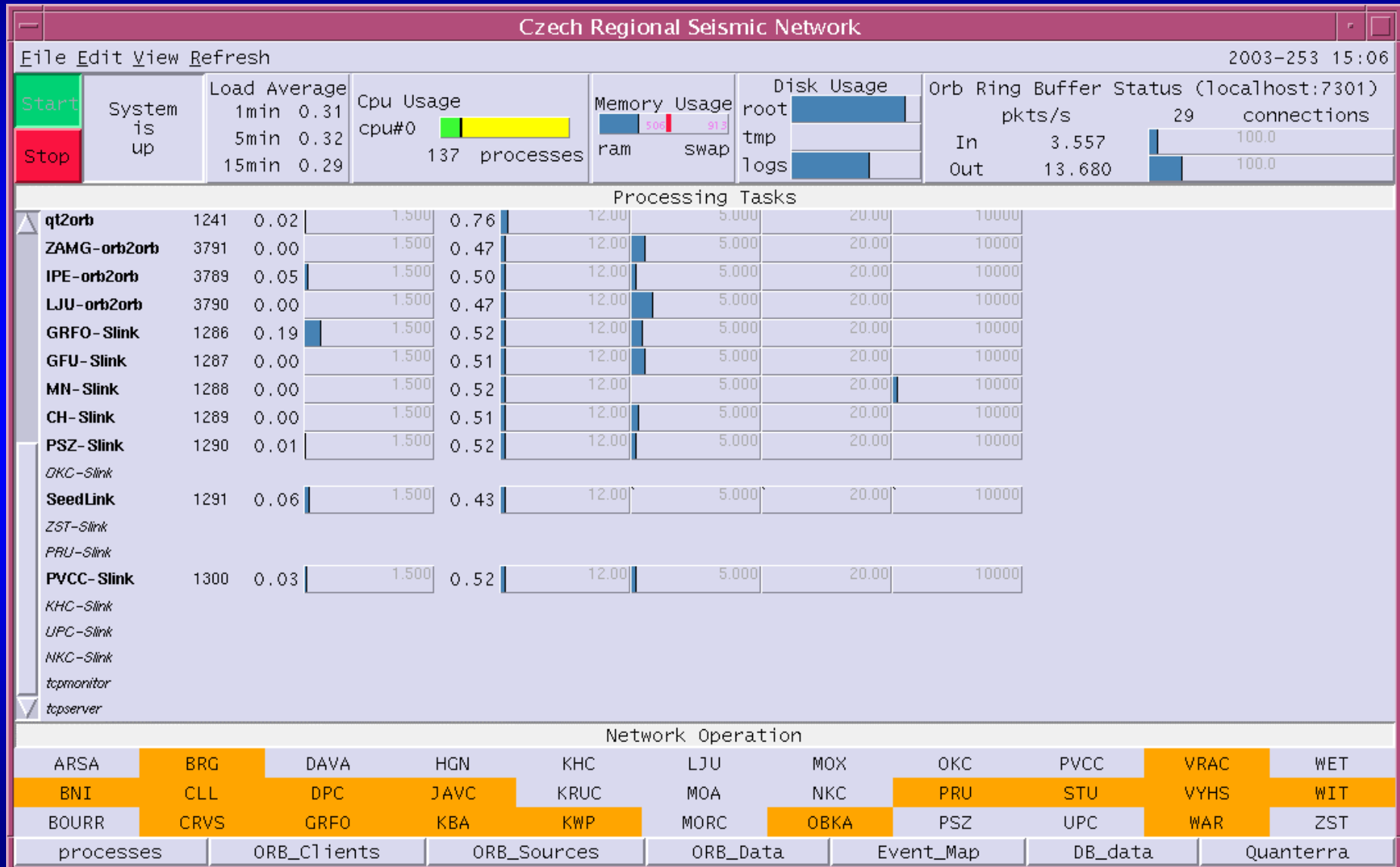


Virtual network of the Geophysical Institute AS CR, Prague in 2004

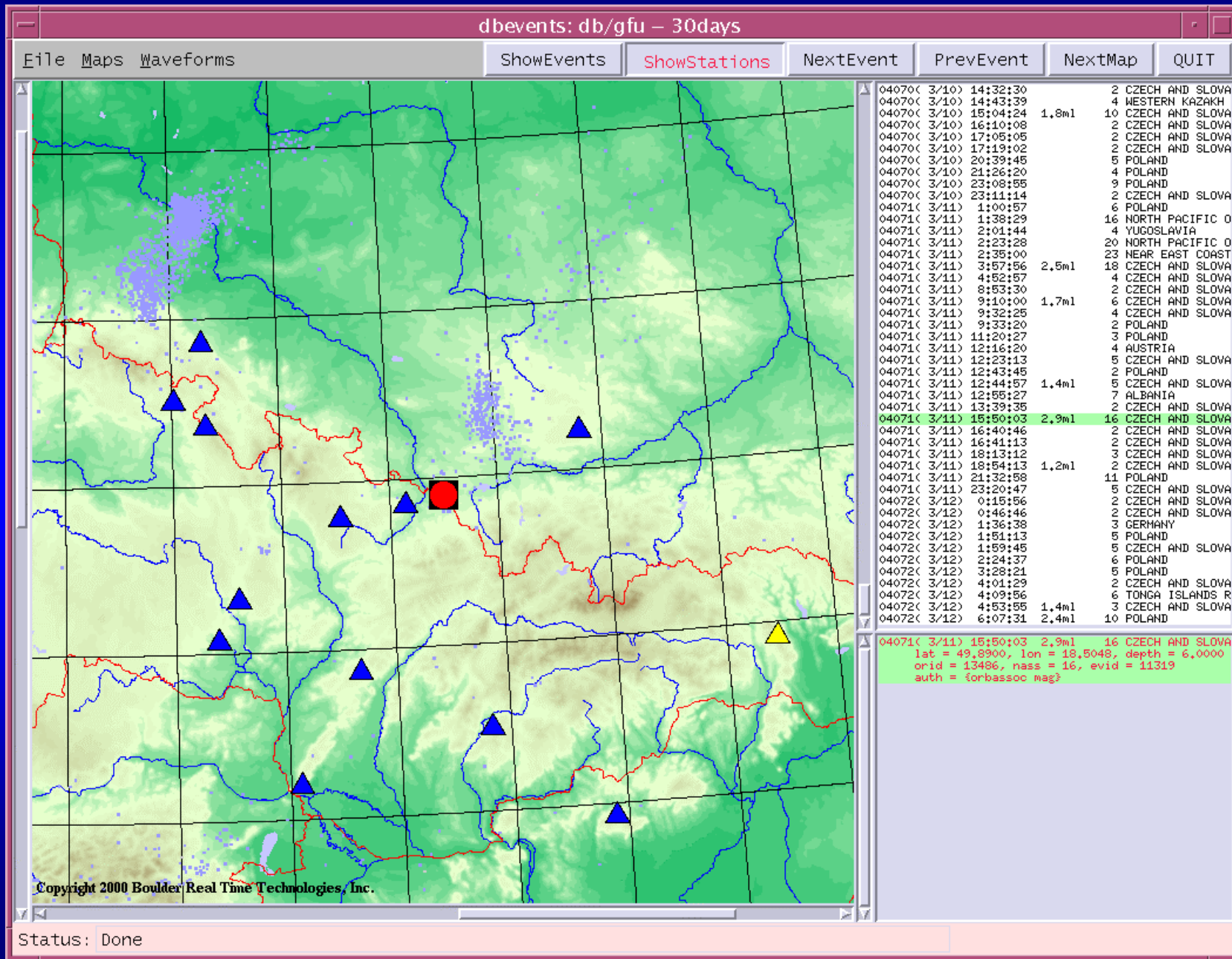
Seismological service GI Prague – Data flow



Antelope – rtm

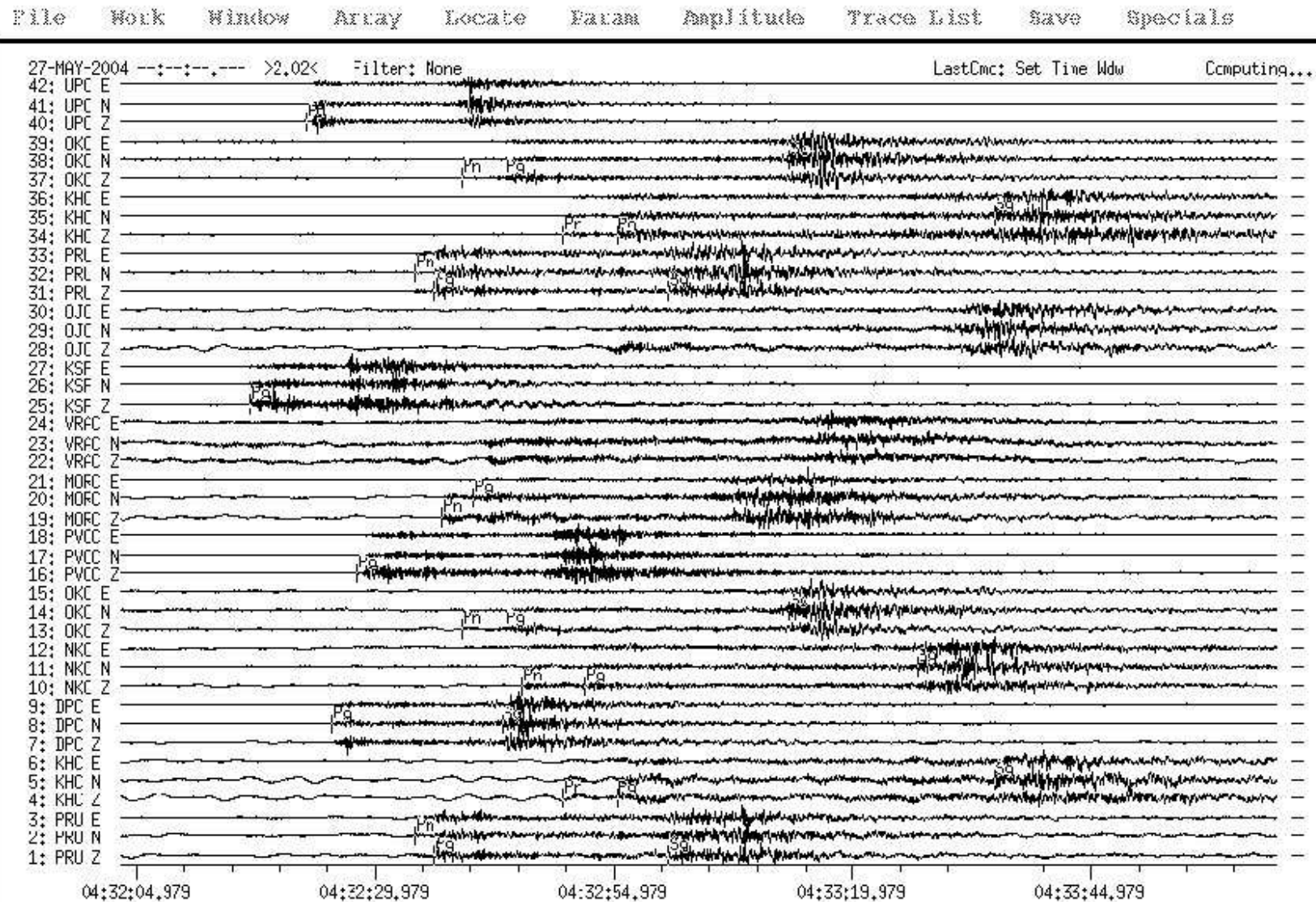


Antelope – Lubin mining-induced shock



Location of regional events

Analysis program *SeismicHandler* + Location program *LocSAT*



AutoDRM services

Data centrer	Station	Period /Delay
GI Prague autodrm@seis.ig.cas.cz	PRU, KHC, NKC, DPC, PVCC, OKC, UPC	4-5 years / minutes
IPE MU Brno autodrm@ipe.muni.cz	VRAC, MORC, JAVC, KRUC	6 months / minutes

WWW access to data

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Shop Stop

Bookmarks Location: http://seis.ig.cas.cz/seismo/data_req.php What's Related

GFÚ **GEOPHYSICAL INSTITUTE**
HOME CONTACTS ORGANIZATION DEPARTMENTS OBSERVATORIES STUDIA S. A. S. ACTIVITIES LINKS NEWS

WAVEFORM DATA REQUEST

This form allows requests to the continuous data archive of the Geophysical Institute

Enter start time

Day - Month - Year: 2000 - 00 - 2000

Hour : Minute : Second: 15 : 42 : 00

Length [s]: 300

Station configuration

Station: ALL Channel: ALL Component: Z-N-E

Select data format

Data format: GSE2.1 CM6

Please report publications using data of the Geophysical Institute to Jan Zednik jzd@ig.cas.cz
