

**BUILDING CAPACITIES FOR ELABORATION  
OF NDPs AND NAs OF THE EUROCODES IN  
THE BALKAN REGION**

**4-5 November 2014, Skopje**



**EXPERIENCE OF CROSS-BORDER HARMONIZATION  
OF NDPs RELATED TO SEISMIC HAZARD  
(NATO SFP PROJECTS NO. 983054 & 984374, ...)**

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# SKOPJE EARTHQUAKE



## SUMMARY EFFECTS

Mortality	1,070
Serious injuries	3,300
Rescued from ruins	10,000
Sheltered	40,000
Evacuated (3-9 months)	140,000
Displaced (new settlements)	70,000
Mechanical migration (65-75)	300,000
Direct losses	1,2 Billion 1963 US\$
	15% of 1962 GDP of FNRJ
	> 2 GDP of R. Macedonia

DATE	JULY 26, 1963
TIME (GMT)	04:17:11
EPICENTRAL LATITUDE	42° 00.5' N
EPICENTRAL LONGITUDE	21° 27.3' E
HYPOCENTRAL DEPTH	5 km
MAGNITUDE (M)	6.1
EPICENTRAL INTENSITY	IX



**EARTHQUAKE**  
82.4%



# Skopje Eq. Victims Memorial



# ***MAJOR ASPECTS OF SIGNIFICANCE***

- ❑ DIRECT LOSS OF EXISTING NATIONAL ASSETS IN VARIOUS FORMS; AND,**
- ❑ DIVERSIFICATION OF NATIONAL RESOURCES AND EFFORTS AWAY FROM ONGOING SUBSISTENCE AND DEVELOPMENT IN ORDER TO ACHIEVE SATISFACTORY RECOVERY**

## ***NATURAL ?***

***IDEOLOGICAL INTERPRETATION – STRATEGY FOR DEFLECTING POLITICAL RESPONSIBILITY FOR THE [CREATED] VULNERABILITY OF POPULATION IN HAZARDOUS ENVIRONMENTS AND FOR THE FACED SOCIO-ECONOMIC CONSEQUENCES OF DISASTERS***

***(Milutinovic, 1986; ~Smith & Hoffman, 1999)***

***Thank you for the attention***

