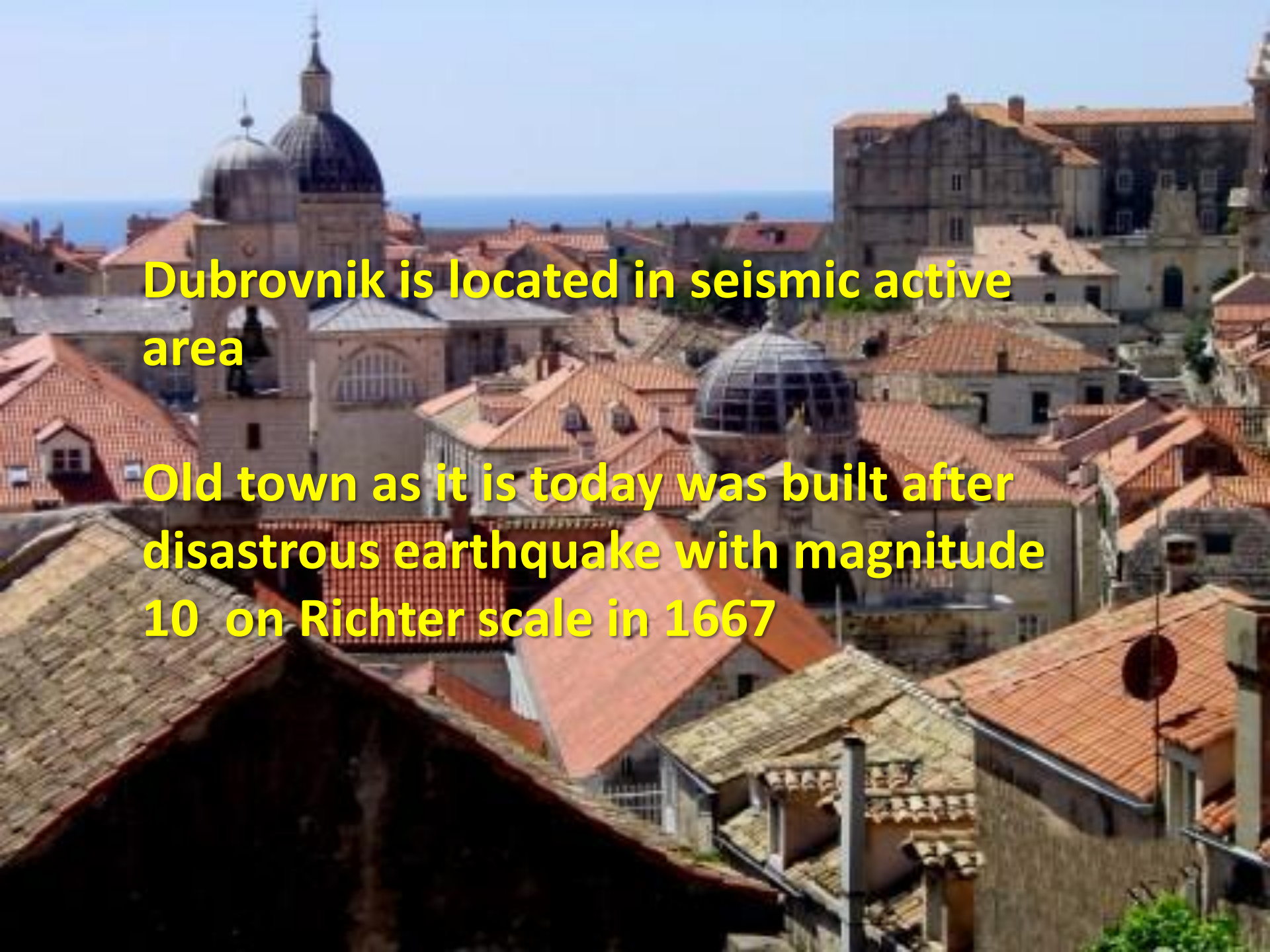
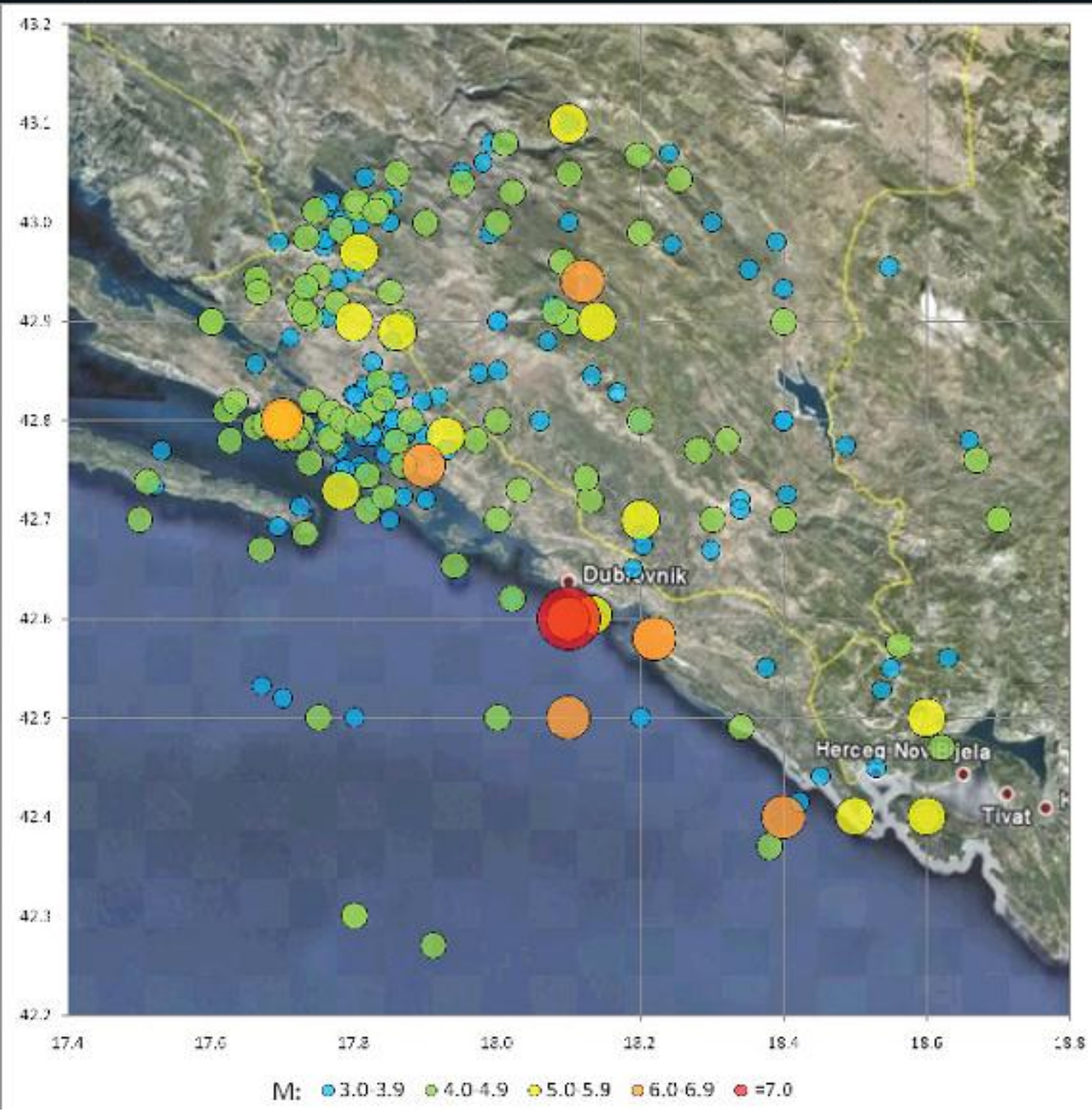
Damages and reconstruction after the earthquake in Dubrovnik



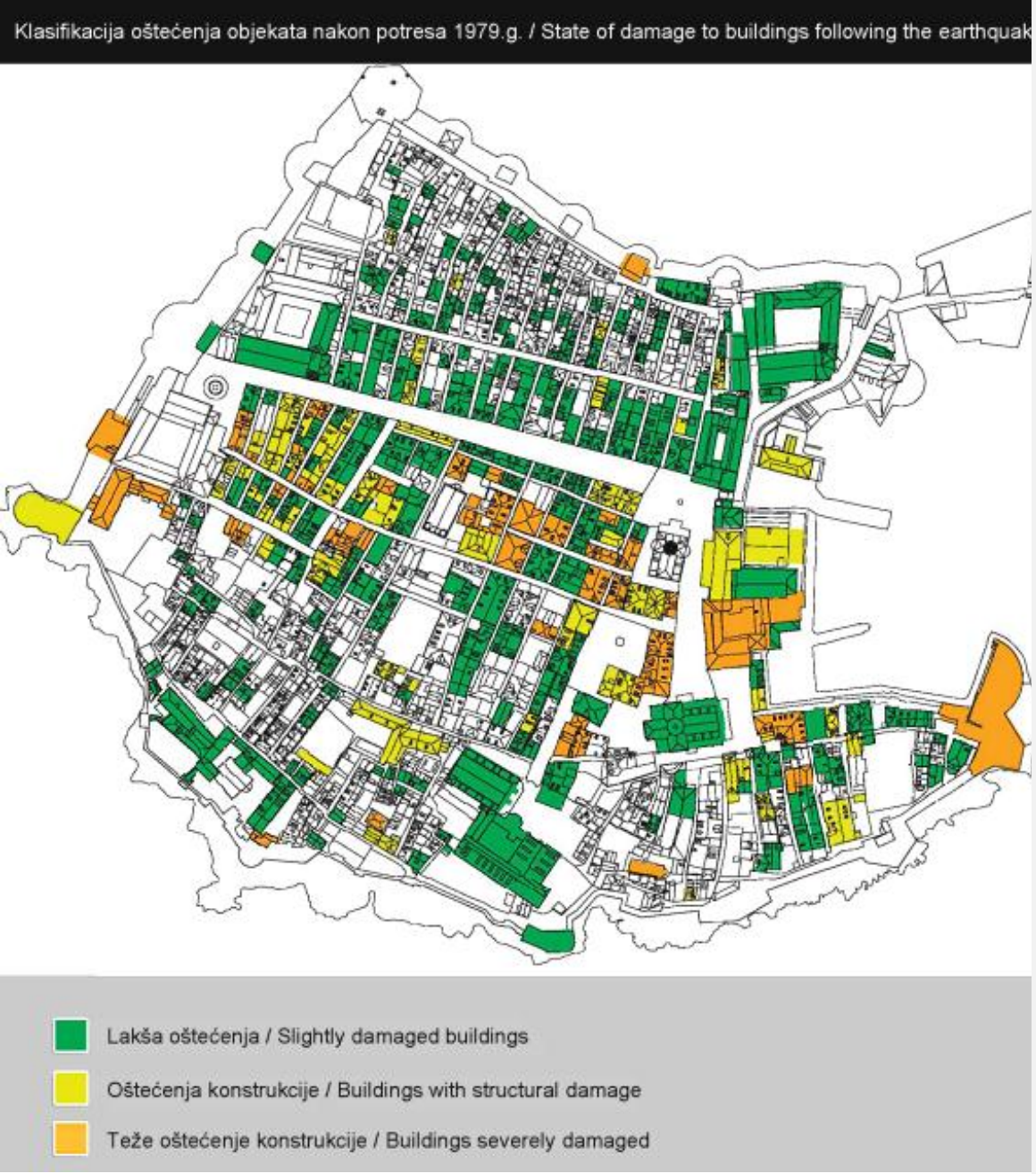
Dubrovnik is located in seismic active area

Old town as it is today was built after disastrous earthquake with magnitude 10 on Richter scale in 1667

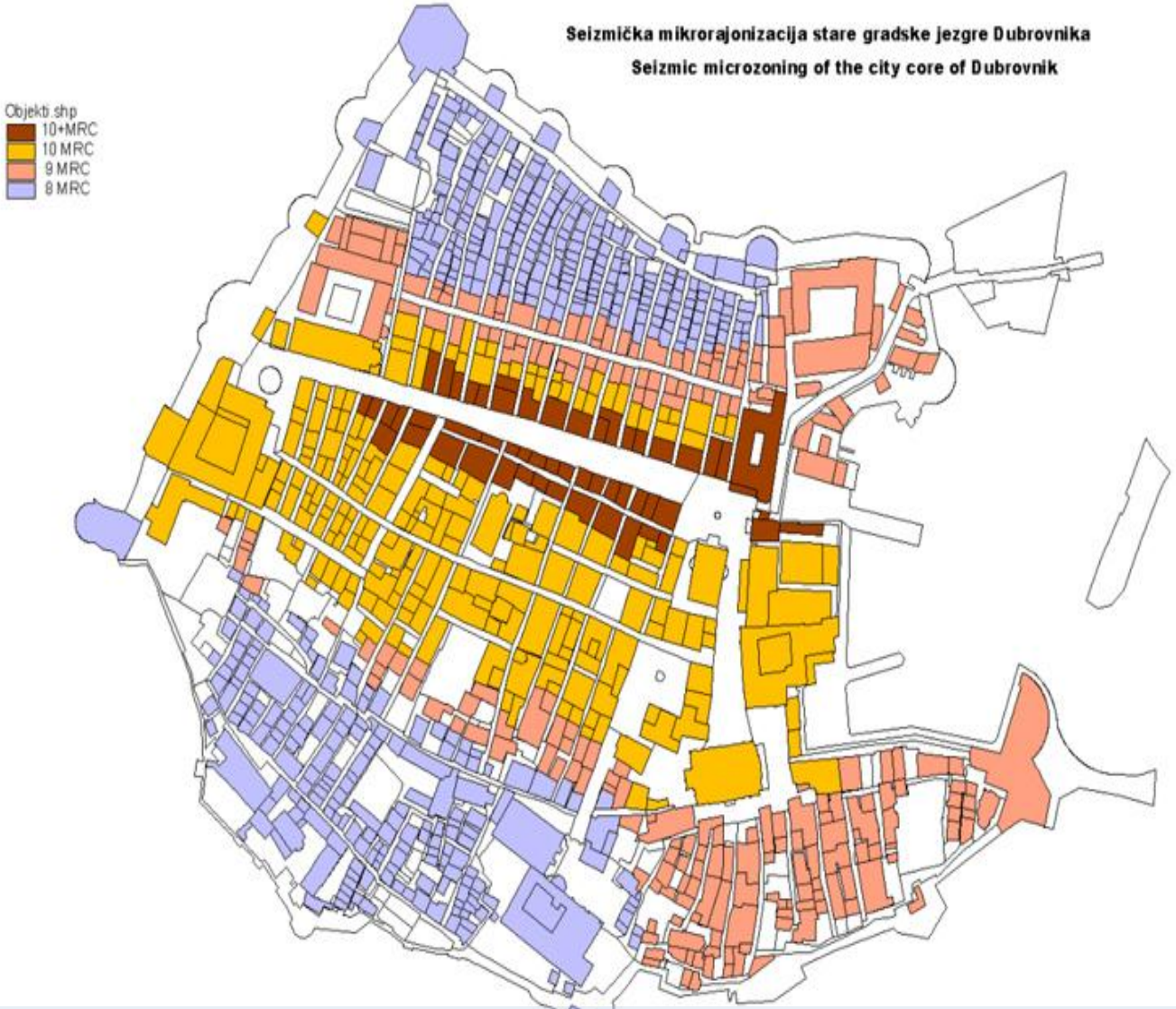
Epicentri potresa u krugu radijusa 50km oko Dubrovnika (2.525 potresa)



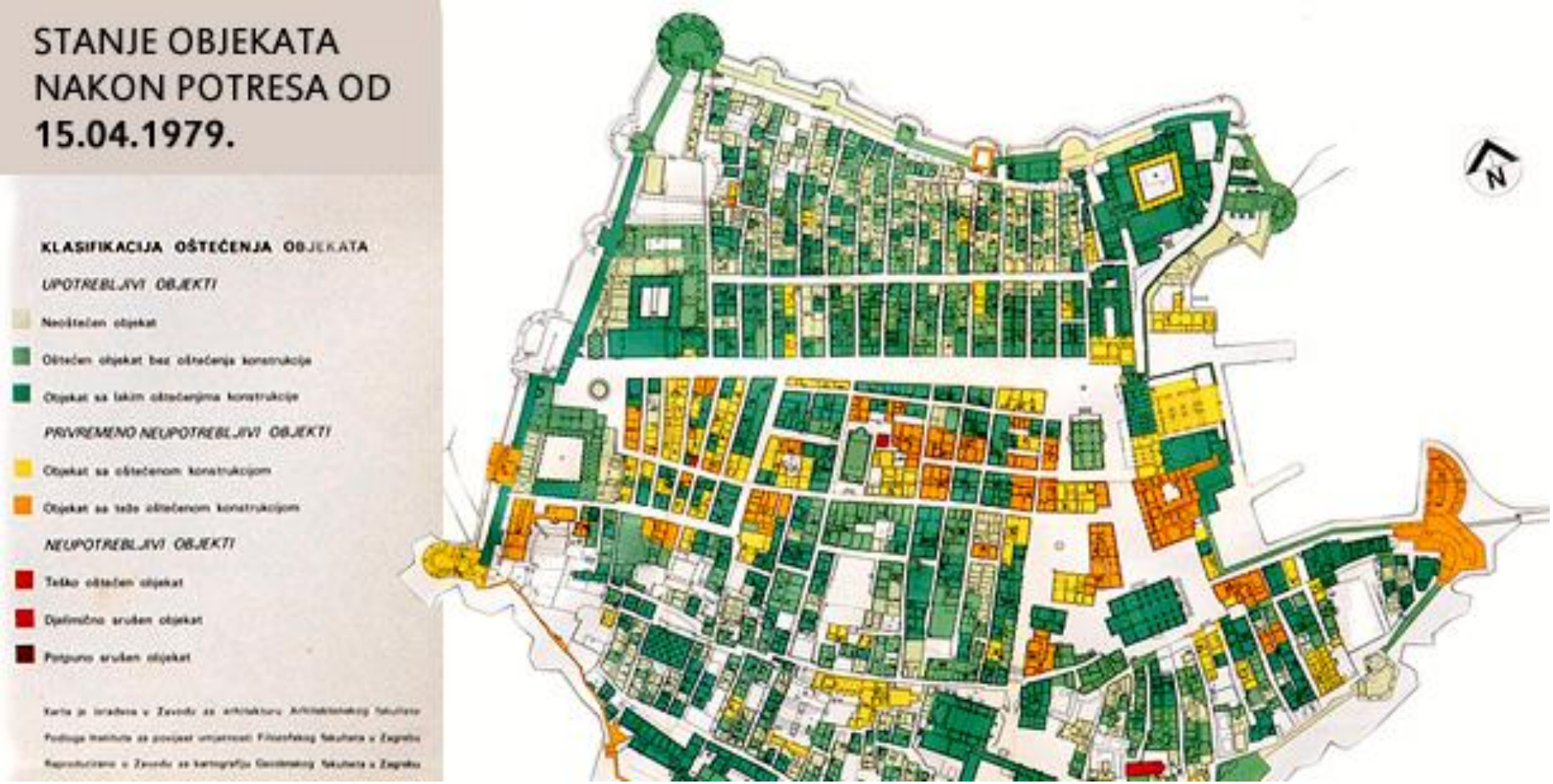
- According to the statistics, there were 2525 quakes recorded in Dubrovnik area with epicentre within 50 km from Dubrovnik



- **In disastrous earthquake of 9-10° MCS intensity with the epicenter in Montenegro that took place on April 15 1979, Dubrovnik and its surroundings were heavily damaged**
- **Intensity of quake in Dubrovnik was *7° MCS.***
- **1.071 damaged or affected buildings were reported, including fortifications, registered as cultural heritage.**



- **Out of 1.071 buildings, 33 are fortifications (149.142 m3), 106 are sacral facilities (17.458 m2), 45 for other purposes (36.713 m2), and 885 are residential and business facilities (with 260.619 m2).**



Total damage was 436.437.380 USD in prices from 1980

Reconstruction is still in progres...

- **Projects for retrofitting of the buildings affected in quake, including injection in walls and mounting of special braces**
- **It has been in progress since 2000 and it is part of facilities reconstruction with all necessary permits and authorizations,**
- **Now - the analysis for facilities of greatest importance: Bishop's Palace – in 1998; Knežev dvor (Duke's Palace) in 2003, Sv. Vlaho (St.Blaise) Church – in 2007; analysis of construction resistance for different earthquake intensities, as the basis for prepartion for the future renovation**

Homeland war in Croatia

- As of 1972 Dubrovnik has been on the World Heritage List (The World Heritage Convention)
- In 1991 and 1992 Dubrovnik was under attack by the Yugoslav National Army
- Dubrovnik was targeted with thousands of different types of projectiles, especially the old part of town inside city walls. In the old town 382 residential facilities as well as dozens of sacral and public facilities were damaged; the roofs of 594 buildings (192,338 m2) were damaged.

- Today –a new threat for cultural heritage– thousands of tourists every day in old center of the City

Thank you !