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New Geological Map of Montenegro, representation of the results from sheet Podgorica-3, 1:50 000

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After development of Basic Geological Map of Yugoslavia (OGK) there haven't been significant scientific papers treating depositional areas and dynamics, cyclic change of facies, etc. This presentation is based on data collected during the development of New Geological Map from 2003-2010.

Sheet Podgorica-3 contains three geotectonic units known as Dalmatian-Herzegovinian zone (DH), Budva zone (ZB) and South Adriatic zone (JJ).

The Dalmatian-Herzegovinan Zone. The development of this unit and Budva zone is the same up untill the rifting phase at the end of Illyrian. On Podgorica-3 map these formations are developed „Seissian Clastics", SK/$T_1^{2,3}$, Bioturbated Formation, BT/T_1^4, Tuđemili Flysch, $FT_{1,2}/T_2^1$, Crmnica Conglomerate, $KC/_2T_2^1$), Ravni Formation, $FR/_3T_2^1$, Bulog limestones, $HB/_{3,4}T_2^1$, "Pietra Verde", PV/T_2^2, Limestone and chert Formation, KR/T_2^2, Lunje Oncolites, OL/$T_{2,3}$, Wetterstein Reefs, $VS/_2T_2^2$-$_1T_3^1$, Virpazar Dolomite, VD/$T_{2,3}$, Lofer Formation, LF/T_3^1, Pristan Oncolite, OnP/$J_1^{1,2}$, Livari Formation, LF/$J_1^{1,2}$, Rumija Oolites Formation, LOR/J_1^3, Briska Breccias, BB/J_1^{1-3}, *Lithiotis* Limestones of Seoce, LS/$J_1^{3,4}$, Tejani Formation, FT/J_1^4, Dogger Oolites, DOR/J_2, Krnjica Oncoids, KO/$J_{2,3}$, Jurassic Reef Complex, SJ/$J_3^{1,2}$, and Lake Skadar Mudstone, KS/J_3^3

The Budva Zone. represented the slope of the Dalmatian-Herzegovinan Zone throughout the Mesozoic. Formations that are developed in this part of Budva zone are: *Halobia* Limestones, HK/$T_{2,3}$, (developed over Limestone and chert Formation), Jasper Formation, PJ/$J_1^{1,2}$, Bar Calcarenites, BK/J_1^{2-3}, Oolite Breccias of Stari Bar, OBB/$J_{1,2}$, Lastva Radiolarites, LR/$J_{2,3}$, Prevalis Limestones, PK/K_1, Bijela Radiolarites, BR/$K_{1,2}$, Globotruncana Mudstones, GBM/K_2, Cretaceous-Paleocene Flysch, Ff/K-Pg and Paleogene Breccias, Br/Pg.

***The South Adriatic Zone*.** This zone pertains to the Adriatic-Apulian microplate. On Podgorica-3 map, these formations are developed on the surface of the terrain: Ujtin Potok Formation (UtP/K_2^4) , Luštica Formation (FLu/$K_2^{4,5}$) , Krute Breccias (BrK/$K_2^{4,5}$), Volujica Formation (VL/$K_2^{4,5}$), Liburnia Formation (Li/$K_2^{5,6}$-Pc), Gorani Emersion (EG/Pc-E), Nummulitic Limestones (Nk/$E_{2,3}$), Pre-Flysch Marls (PL/$E_{2,3}$) and Adriatic Flysch (JFL/E_3-Ol).