

## Final report of ESP 2011-10

The international caving expedition "Maya Arapit 2011" was held in the period 20.07. – 20.08.2011, with fieldwork of 26 days. The expedition was attended by 37 cavers from 6 countries (Albania, Bulgaria, Greece, Romania, Russia, Ukraina ) (Pls.see the list below). The artificial climbing in the 3 of all 4 vertical branches of the cave give totally **106 m** of new passages with total displacement of + 75 meters from the level reached last year. The total displacement of the cave increased by + 19 m. At present the depth of the cave is 365 m (**+339 m, -26 m**) and length of **2643 meters**. The projected length is 1899 m. The 3-d map is attached.

Unfortunately this year the expedition could not achieve much progress, because in all directions we came against extremely narrow passages. In some places we got to hanging from the ceiling blockages that have stopped the climbing. During the last penetration Kiten Topalov and Kiril Stoykov went over a chimney above "Tserovo" hall, which shows some perspective to vault over the layer, forming bottlenecks at a lower level.

In the autumn of the last year there was a great flood in the region. Huge amount of water came out from the cave entrance. As a result, instead of the small hole in which we have crawled the previous years, the entrance now has a height of 2 m and a width of 6 m. This water came from the siphon, plunged for the last time in 2007, and from a not plunged siphon, located near the entrance.

The work prospects are in the final parts in the cave - above "Tserovo" hall and in "Droplet" hall. For this purpose will be required much expansion work. The ascent above the first pit in the downstream meander left unexplored as well. Another direction of work are the sumps near the entrance - either by draining or diving.

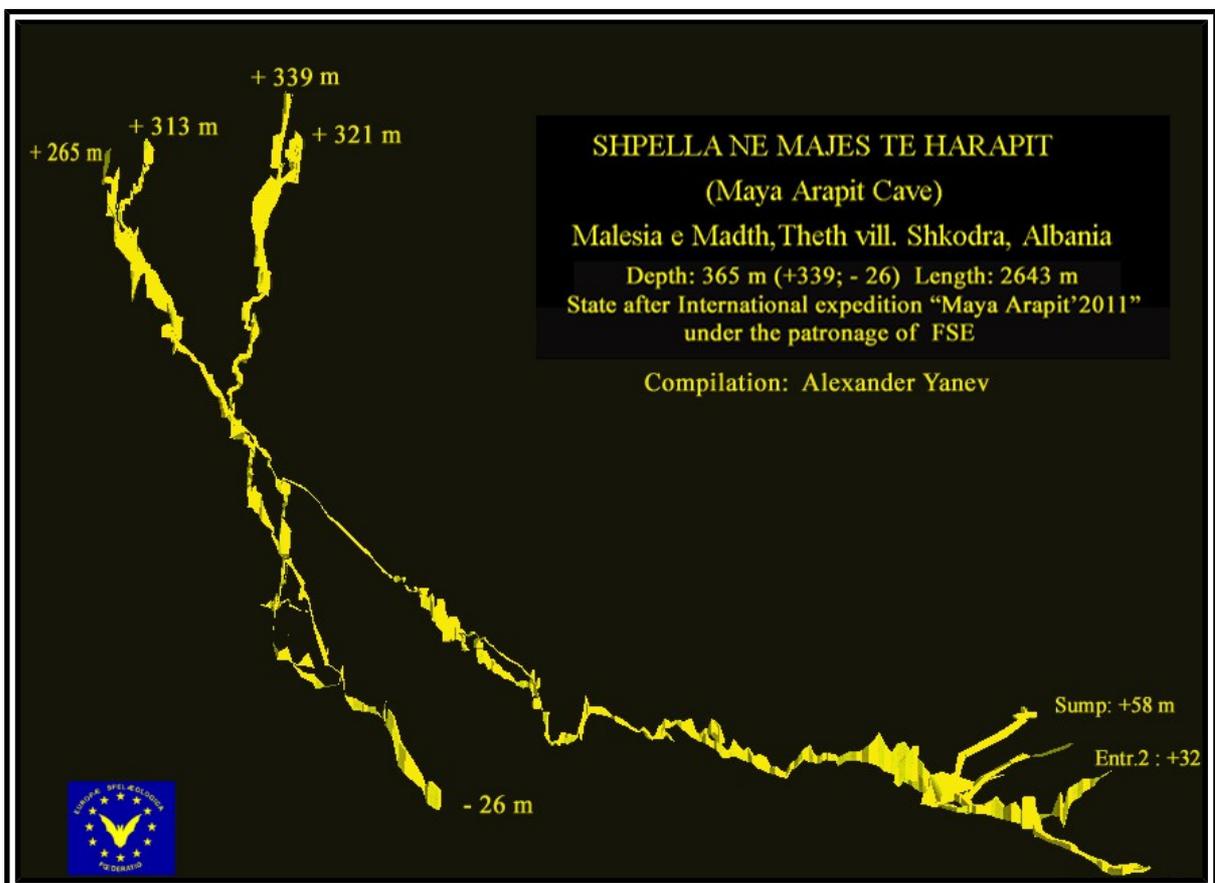
The value of work done is even more to the low air temperature in the cave 3-5 ° C and its high humidity (nearly 100%). In order to facilitate research within the cave, it was built underground base camp where speleologists stayed (in shifts) in a few days, within which "attacked" and mapping newly discovered wells.

Up to date the Maya Arapit Cave ranks among the biggest climbing upward in the world caves. The studies will continue because the cave is still going up and its depth didn't cover the theoretical and hydrogeological potentials of the massive which is not less than 1000 m.

### Participants of the international expedition "Maya Arapit 2011"

1. Alexander Yanev – Bulgaria – aleyan@gmail.com
2. Zahari Dimitrov - Bulgaria
3. Zheliazko Mechkov - Bulgaria
4. Cvetan Ostromski - Bulgaria
5. Miglena Todorova - Bulgaria
6. Radoslav Kacov - Bulgaria
7. Simona Atanasova - Bulgaria
8. Georgi Kadiiski - Bulgaria
9. Romyana Iotova - Bulgaria
10. Vladimir Georgiev - Bulgaria
11. Kiten Topalov - Bulgaria
12. Delcho Topalov - Bulgaria
13. Yana Ioveva - Bulgaria
14. Hristina Koleva - Bulgaria
15. Kiril Stoikov - Bulgaria

16. Dimitar Fotev - Bulgaria
17. Sava Karov - Bulgaria
18. Vladimir Vasilev - Bulgaria
19. Kristina Kyrpacheva - Bulgaria
20. Pavlin Dimitrov - Bulgaria
21. Yavor Cvetanov - Bulgaria
22. Georgi Staichev - Bulgaria
23. Nikolai Petrov - Bulgaria
24. Kiril Georgiev - Bulgaria
25. Aleksandyr Kolev - Bulgaria
26. Tomoiaga Lucian Aurel - Speleowest, Romania
27. Velin Mihaela - Speleowest, Romania
28. Radu Valentin Alexandru - Speleowest, Romania
29. Besesek Mihai - Speleowest, Romania
30. Alice Jerca - Speleowest, Romania
31. Tiberio Tulucan - Speleowest, Romania - tiberio2002ro@yahoo.co.uk
32. Anamaria Suciu - Speleowest, Romania
33. Laura Roxana Iociv - Speleowest, Romania
34. Ahmed Osman Osia - Albania
35. Gezim Uruci – Albania - uruci.profgezim@yahoo.com
36. Markos Vaxevanopoulos – Grece - vaxevanopoulos@hotmail.com
37. Bogdan Markovich – Ukraina - bmarkovich@mail.ru



## Financial report

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<b>Incomes</b>	
Grant from FSE (ESP)	470.00 €
Aventure Vertical	500.00 €
Beal	600.00 €
Bulgarian federation of speleology	2 750.00 €
From Participants	2 025.00 €
<b>Total:</b>	<b>6 345.00 €</b>

<b>Outcomes</b>	
Insurance	452.50 €
Food	1 386.00 €
Transport	1 572.50 €
Equipment	2 175.00 €
Internet	38.50 €
Phones	28.00 €
Medicines'	100.00 €
Camping	30.00 €
Parking	80.00 €
<b>Total</b>	<b>5 862.50 €</b>

Most info you can find in the web of the project:

<http://alexey.blog.bg/hobi/2009/07/07/international-caving-expedition-quot-maja-arapit-2009-quot-a.360248>

**YANEV Alexander**