

19th European Hang Gliding Championships,

**Krushevo,
Republic of Macedonia**

6th of August – 20th of August, 2016



**Annex A
BID INFORMATION**

Organisers:

NAC / AeroClub: Vozduhoplovna Federacija na Makedonija, VFM

Local Organizers: Extreme Sports Club – Ohrid

Name of championship: 19th European Paragliding Championships

Proposed dates of Championships: 6th of August – 20th of August, 2016

Proposed Program of Championships: see in the text

Registration and training task: Saturday 6th of August 2016

Registration and hang glider inspection: Sunday 7th of August 2016

Mandatory Safety meeting: Sunday 7th of August 2016

Team leader briefing at the HQ: Sunday 7th of August 2016

Opening ceremony: Sunday 7th of August 2016

First competition briefing: Monday 8th of August 2016

Contest flying days: Monday 8th - Saturday 20th of August 2016

Prize-giving, closing ceremony: Saturday 20th August 2016

Location of championship: Krushevo, Macedonia



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1. FOREWORD

We are extremely excited to place this bid for organizing the 19th European Hang Gliding Championship in Krushevo, Republic of Macedonia and thus provide the free flying community in Europe a place for competition as well as exceptional overall experience.

Following Organizers conversation with Macedonian NAC officials, as well as all Local Community relevant representatives, we decided to put this bid forward and to present you one of the best possible venues to host 2016 European Hang gliding Championships.

Please find here in all details regarding organization of that event in Krushevo, Macedonia.

Intended dates are: **6th of August, Saturday – 20th of August, Saturday 2016**

Regarding typical services requested from the organizers in order to meet FAI / CIVL standards, I sincerely believe that myself as well as my team, can meet them and provide competitive, safe and fair environment for a high profile hang gliding event. We were already tested in different events and proved that we are capable of handling such a task with responsibility and confidence needed.

Also, site itself, with its very predictable and reliable weather, friendly and easily understandable meteorology and topology and not to be overseen, with its blend of folklore and tradition, is providing unique experience that may last for a lifetime.

Some of the members of the organizational team are linked with this place for life, knowing how to fly it, how to live it, how to make others use its potential to the maximum.

Other members of the team, coming from the international high level competition scene, are widely recognized experts in their specific domain like: event management, live tracking and associated activities, scoring and related software development, filming and media.

This team possesses all of the organizational and communication skills needed to make this event sports wise excellent and in the same time pleasurable experience.

Krushevo, the proposed site for the event is becoming increasingly popular for the free flying community. In the recent years the venue throughout the June-August period there are constant back-to-back organized competitions for the paragliding and hang gliding community.

All these experience and local support gained throughout the years will be at your disposal if you accept this bid.

2. INTRODUCTION

General info on the region:

- ❖ Country: Republic of Macedonia
- ❖ Capital: Skopje, operating one of two International Airports in the country
- ❖ Area: total: 25,333 sq. km water: 477 sq. km land: 24,856 sq km
- ❖ Climate: warm, dry summers and autumns and relatively cold winters with heavy snowfall
- ❖ Location: South-eastern Europe
- ❖ Geographic coordinates: 41 50 N, 22 00 E
- ❖ Border countries: Albania 151 km, Bulgaria 148 km, Greece 246 km, Serbia and Montenegro 221 km
- ❖ Terrain: mountainous territory covered with deep basins and valleys; three large lakes, each divided by a frontier line; country bisected by the Vardar River
- ❖ Elevation extremes: Lowest point: Vardar River 50 m, Highest point: Golem Korab 2,753 m
- ❖ Name of the Competition site: Krushevo
- ❖ Name of the main flying arena: Pelagonija Valley

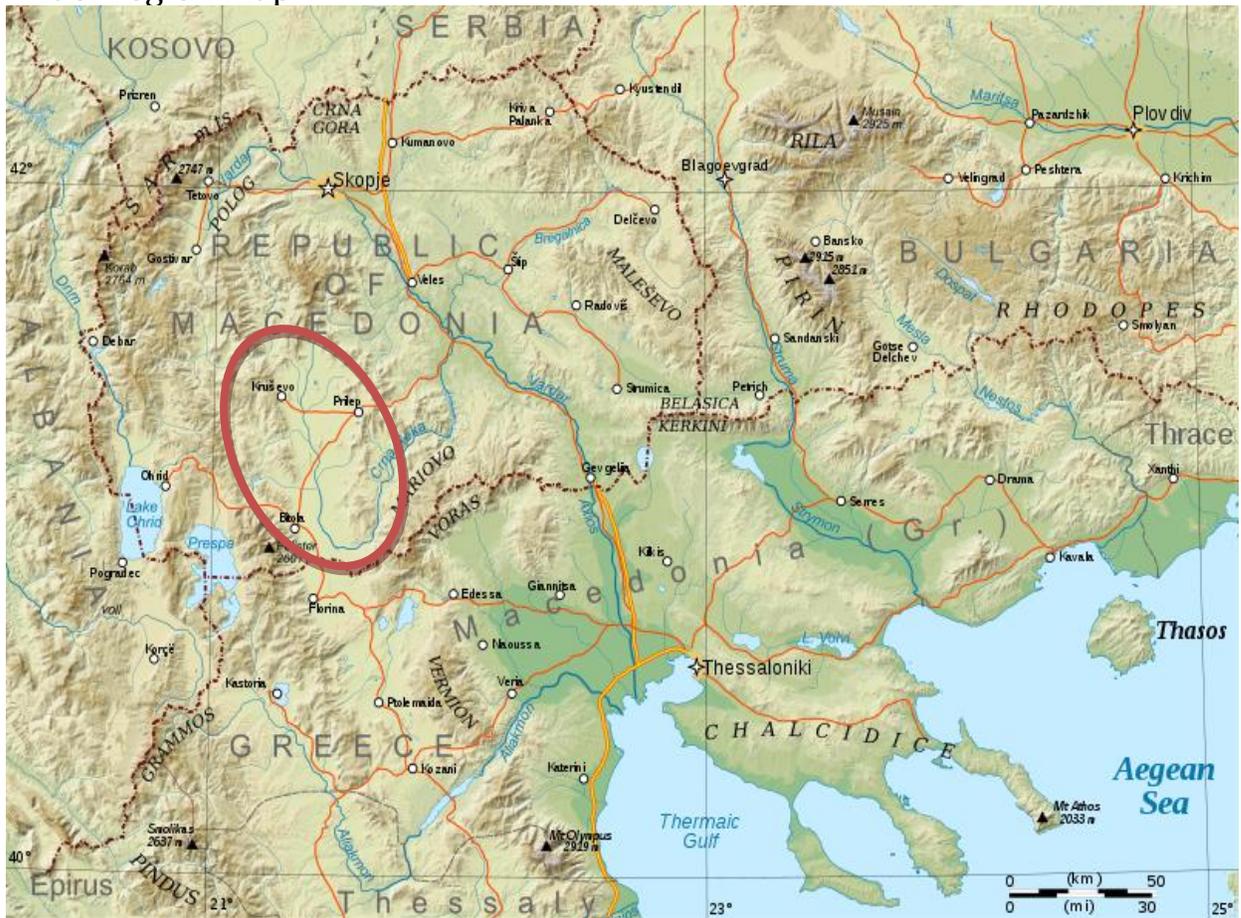
3. THE VENUE

3.1 FLYING AREA

Local Area info:

The competition area is in the Middle –South West part of the country. It is the biggest flatland (valley) in the country named Pelagonia, surrounded with three independent mountain chains on the North, East and West and open to the south to Greece and to the mild influence of the typical Mediterranean climatic zone.

Wider region map:



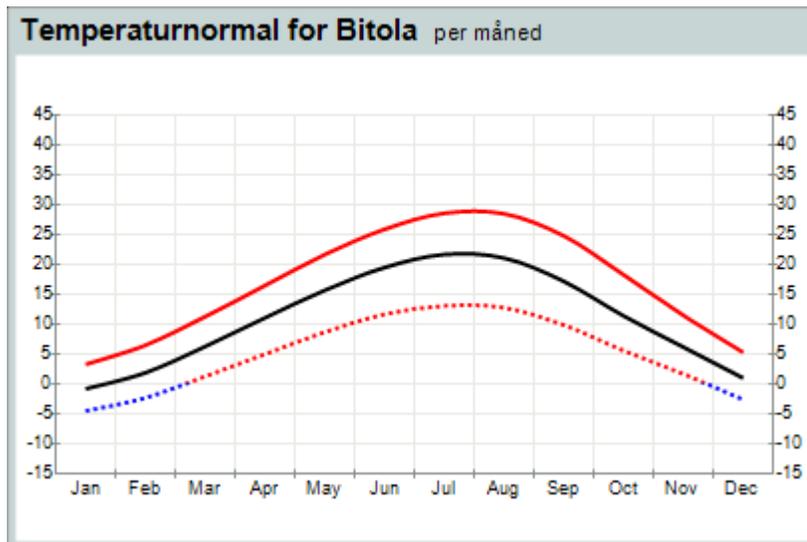
The climate has typically short spring periods, transitioning from winter to summer like temperatures in a short period of time. It is quite common to have average temperatures of 25 degrees Celsius already in April-May

period, so proposed dates are considered as best in terms of predictability, yet sufficiently unstable for organizing a high profile hang gliding comp.

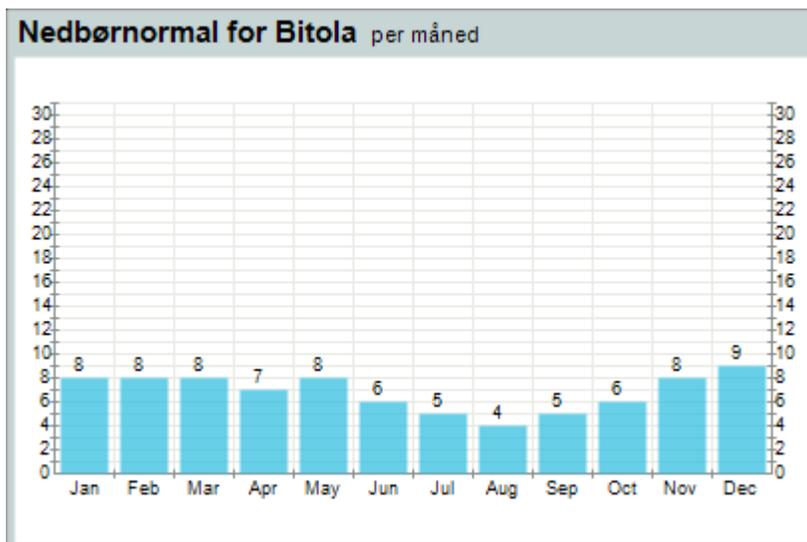
End of July and early August are a period of the year with highest temperature differences in between day and night, providing continuous thermal activity daily, starting around 10 AM and finishing around 5PM.

You may find some statistics bellow:

Temperatures:



Rainy days:



The region is characterized with permanent influence of the NW wind which is typical for Macedonia all year long.

However, wind strength is usually not an issue for the Pelagonia region as it is heavily influenced by the local thermal breeze and local easterly winds creating very dependable flying conditions alongside the main Mountain chain with two main take offs in the first part of the day.

As North wind is penetrating the valley latter in the day, permanent cycles of thermals are created in the valley giving a possibility for interesting fast and tactical crossings in between chains on the opposite sides facing to each other.

In the recent years during paragliding and hang gliding competitions we could evidence constant average of 5 flying days out of 7, with only one competition fully blown out due to frontal and post frontal meteorological conditions in the late Nineties.

Meteorology of the flying area is exceptionally straightforward, easy to understand, follow and predict.

- **Typical summer views:**

North far end of the valley:



View to the east from the main takeoff



Middle part of the valley:



To the South of the valley:



3.2 TAKE-OFFS:

There are two possible take offs in the region covering the possible wind conditions in the valley..

Main take off 1:MECKIN KAMEN EAST

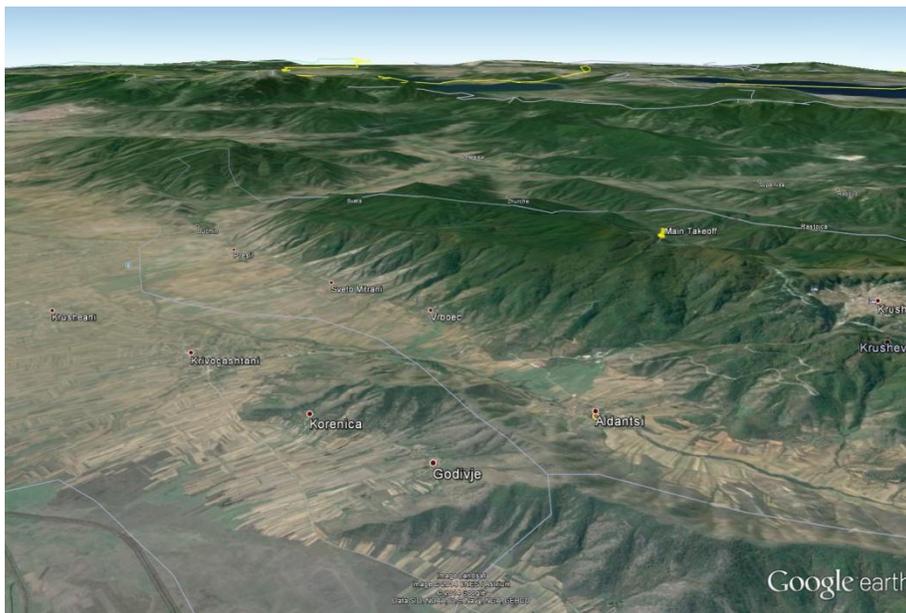
Covering NE, E, SE wind directions, elevation 1450 m asl, suitable for up to 150 competitors, only 2 km from the town of Krusevo (where accommodation and HQ will be located) via asphalt access road.

The start is covered with sporadic green grass mainly dried one, generally clean, without any kind of obstacles, surrounded with nearby woods with heavy shadow for briefing. It is characterized with highly defined “house” thermals making beginning of the task as well as start pylon waiting quite easy. It is on the top of the mountain with broad view, so it is easy for MD to monitor beginning of the task, possible overcrowding or another safety risks.

We are using this take off in the 90% of the flying days.

This take-off can accommodate up to 150 pilots with plenty of room for rigging the gliders. The take off procedure can be executed with three launching lines in parallel. The best launching method is Open window.

The take-off and the broader area:



Taking off ...



Getting ready to be airborne:



Take Off No. 2: TRESKAVEC

Recently a new take off was opened at the location of Treskavec Monastery, that is giving even more opportunities to organize successful and safe tasks. It is suitable for West prevailing winds with possibilities for NW, W, SW wind directions. There is good brand new asphalt road up to the take-off area which is very convenient.

There is plenty of space for setting up gliders. It is possible to launch in one line only which means that Ordered Launch have to be organized as described in 2.24.4 in Sporting Code Section 7.

Also, in case of hang waiting, a spectacular 11th century Monastery complex, with completely preserved orthodox Church is just near-by. To visit such a venue is unique experience for everyone.

Broader Area of take off No:2 Treskavec



View of the take-off from the air:



Red arrows on the picture are pointing to the S, SW take off (right) and NW, W take of (left). Monastery complex is on the top.

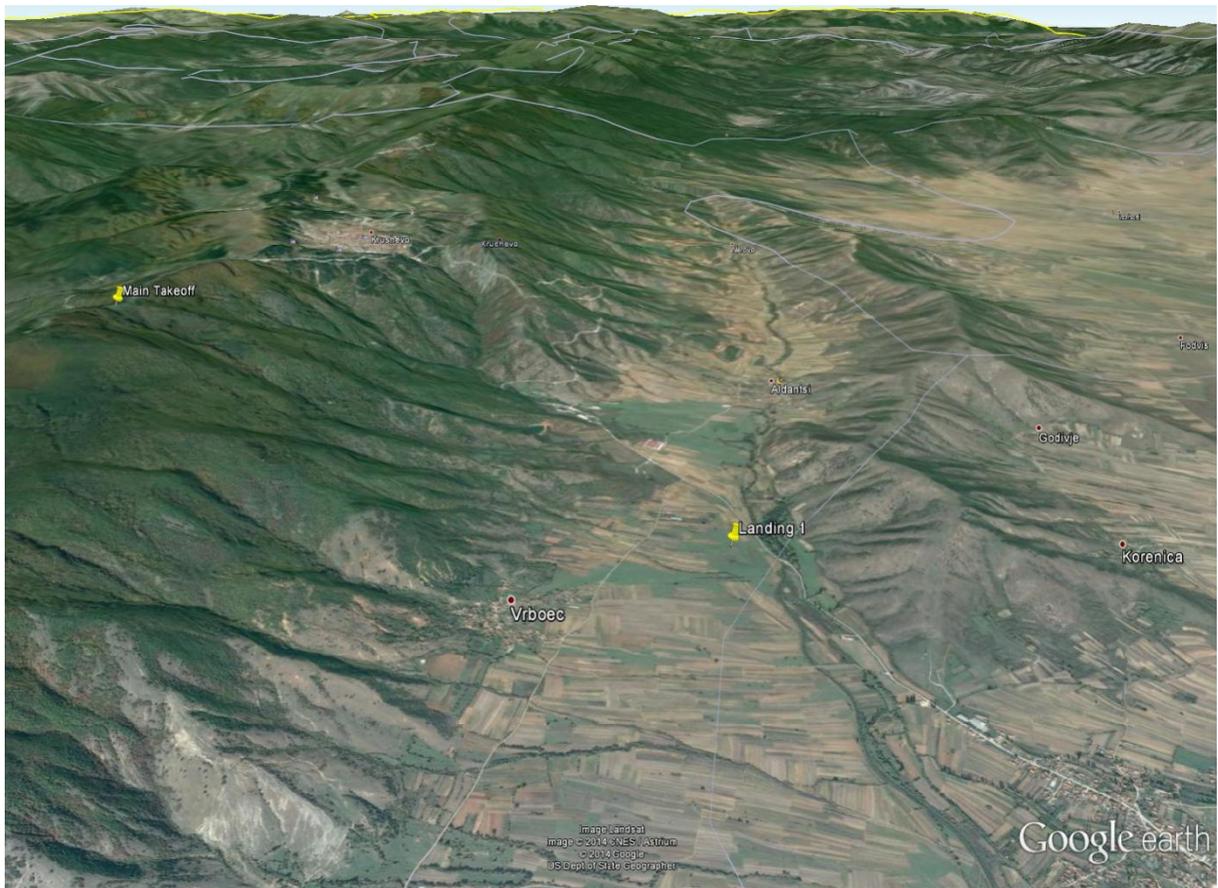
3.3 LANDINGS:

In general landing fields are not an issue as it is a flat and wide valley and we are able to organize official landings almost everywhere. There is an ample space to land in the flatlands in any case.

Fencing of the properties is not a common practice. Landowners are generally kind and supportive, though precautions for non-destruction of crops are to be taken into consideration as always.

There are four landing fields used mostly:

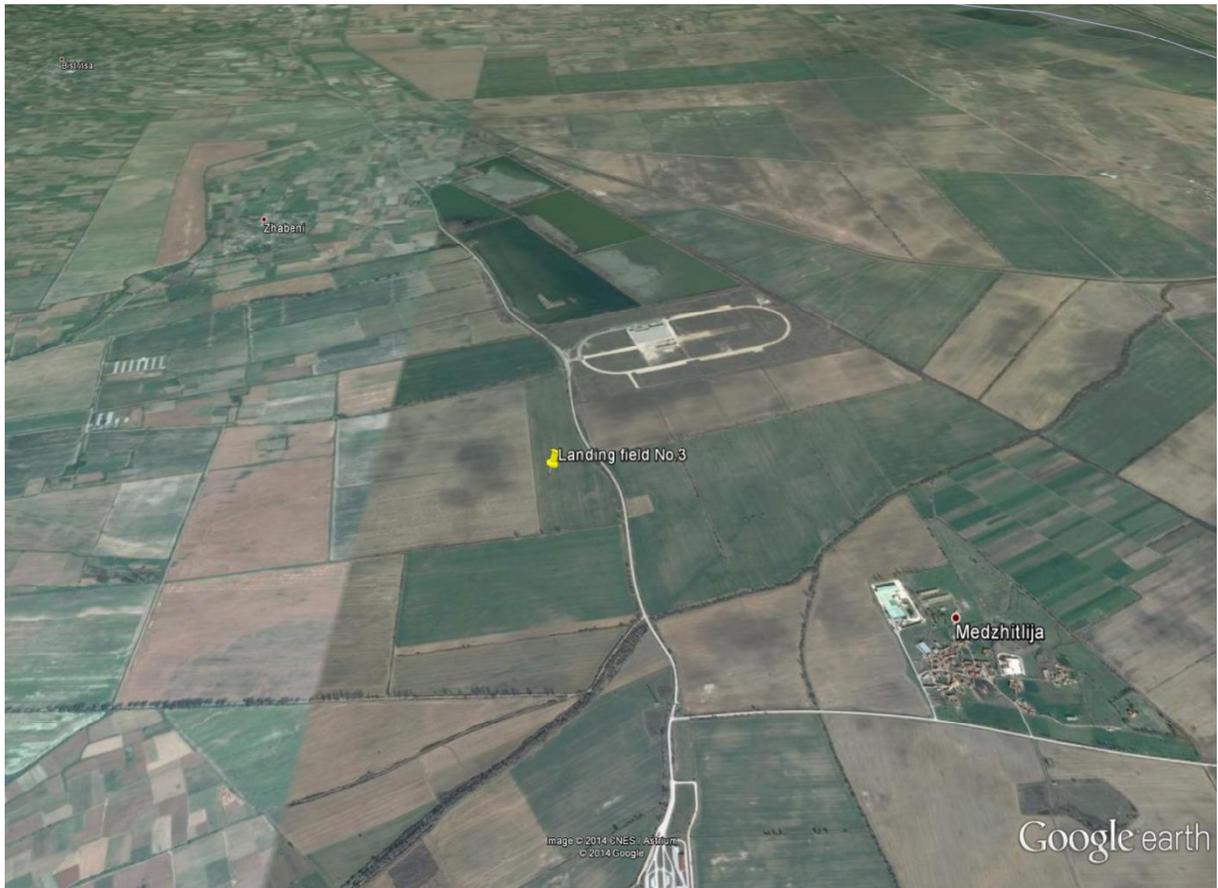
The Main one is just below the Meckin Kamen East take off. Asphalt road is touching it, wide green grass covered field, open to any approaching direction. It is extremely safe and is located on the main road to Take off, with lots of communal buses passing by as well as numerous locals.



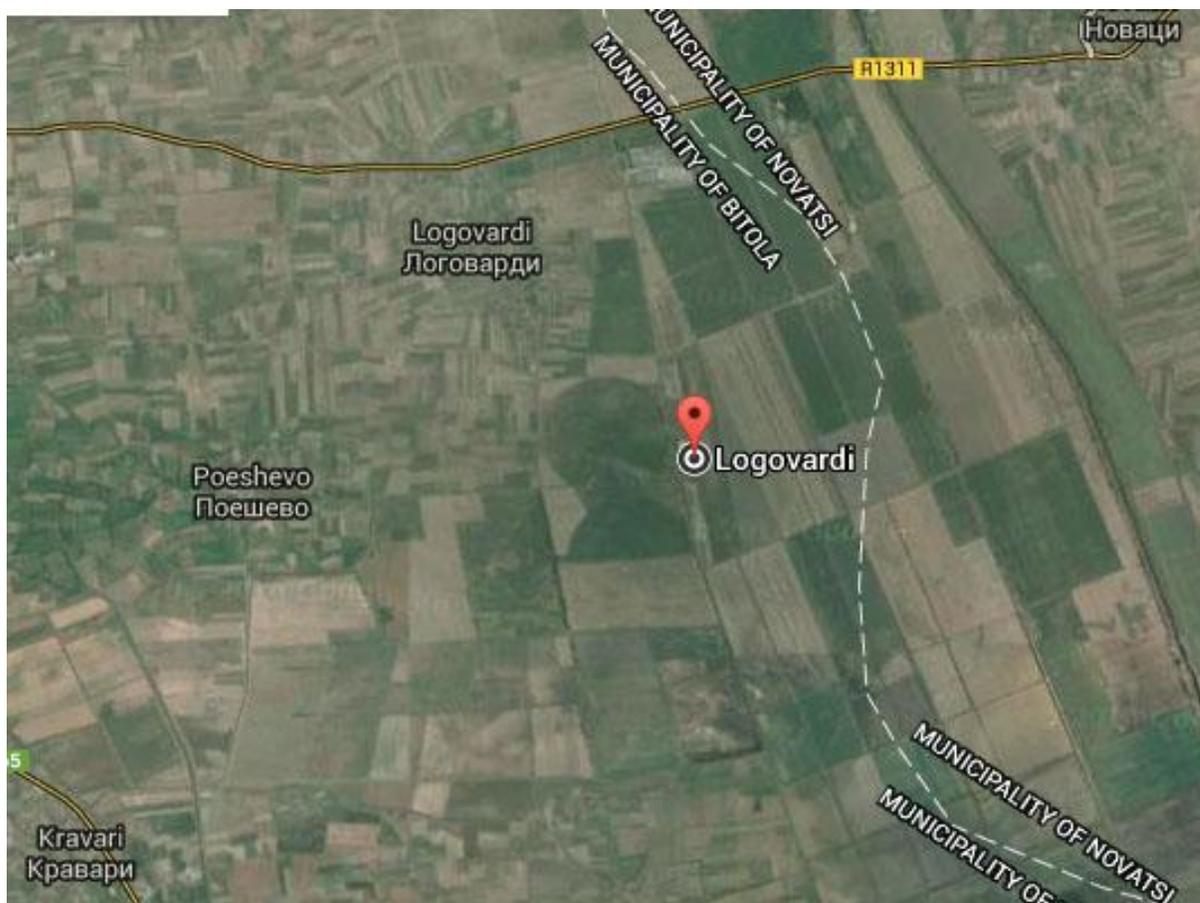
A second possible landing option is a Sport Airfield with no activity at all due to some deformations on the grassy airstrip. It is on the main road in between Krushevo and Prilep easy to access with any kind of transportation, snacks and drinks can be easily provided by the organizer. In the days with uncertain wind pattern this landing is perfect as it is in the middle of the Valley so no risk of any kind when using it.



Third one is the South landing field, nearby border with Greece, 60 km South from the main T.O. We are using this one in the case of prominent North winds in combination with fast zigzag downwind tasks combined with short upwind legs through the flats. Again, it is touching the main asphalt road to Bitola, regional centre, very open and safe.



Fourth one is another Sport Airfield-Logovardi with almost no activity near the town of Bitola . It is close to the third LZ but this one is clearer and more suitable for tasks with finish line. It is wide and clean area without obstacles and with the unlimited landing area around.



3.4 TASKS

Virtually any kind of task is possible within the flying area. And all of them have been tried. Different triangles combining mountain leg with two flatland legs, triangles with three flatland legs, along ridge fast out and return, square tasks along the valley borders, wind rose style tasks or combination of previously mentioned ones. It is up to the quality and level of the task committee to choose the best possible task for the day.

Distances that are usually possible within the flyable period of the day are around 120 km.

Task Map:

Intended task map is of very high quality with all necessary layers implemented. Main and local roads as well as all villages are clearly visible and map itself is very useful for once on the ground orientation and navigation.

All turn points are checked multiple times, they are proven to be safe as well as all of the official landings. Names and coordinates of the turn points are also printed on the side of the map for a reference.

Map will be printed on high quality paper in A3 format.

Airspace and Other Restrictions:

One of the most important things regarding this flying site is that it is free from any kind of airspace limitations. In close collaboration with the authorities, we manage to keep it this way for years. NOTAM will be issued for the site and the dates, so all measures will be taken to provide open and safe flight arena.

Task map with turn points:



3.5 ACCOMMODATION

Being an associated member and still not formally within EU, Macedonia and especially Krushevo, may be considered as cheap destinations compared to the EU countries or Turkey for example.

Accommodation options:

Private houses accommodation, rooms for rent, starting price around 10 - 15€ per night, per person. Usually very clean with nice people, fairly familiar atmosphere.

Dedicated villas for rent: rooms and or flats for rent, prices varying around 20,00-25,00 €, per person, per night, usually only house keeper, more privacy, usually equipped with kitchen. Examples: <http://vilagora.com/eng/>, <http://www.lakola.com.mk/en/index.html>, both of them being on the more expensive side of the offer.

Hotel Montana Palas,



<http://www.montanapalas.com.mk/Krusevo.html>, is providing higher profile accommodation with a price for pilots in the range around 20 € - 25€ per night, double room.

Camping:

There is an option for a small free camping at the take-off, however, no facilities and with limited space. Pure nature, usually occupied with pilots on the basis "if there is a place, it is yours" Not moderated at all. Certainly, some criteria have to be respected in order to avoid confrontations with the local authorities.

Food:

There are number of local restaurants in Krushevo where local cuisine is served. In general all of them are leaning towards to the cheaper side of the price tags. Examples: sandwiches 2,00 – 3,00 €, pizza 3,50 -6,00 €, full meal – local stuff 10,00 – 15,00 €, beer in a market 0,5l can 0,60 €, beer in a local bar up to 2,50 €, same applies to the soft drinks.

Other:

We will provide all services needed in order to help coordinate and accommodate all pilots. Person in charge will be provided with all necessary contacts on the dedicated web site of the comp.

3.6 TRANSPORT AND HOW TO GET THERE

Getting in Macedonia by car

There are two main routes that are passing through Macedonia.

The international highway E-75 (corridor 10 / north-south) runs north to south from Serbia to Greece.

Krusevo is located 170km from the capital Skopje connected via highway and motorways.

Getting in Macedonia by train

Macedonia is only accessible by railway from Serbia or Greece.

There are 2 daily international trains for Belgrade and Salonica/Thessaloniki.

Railroads towards Albania and Bulgaria are still in construction.

Getting in Macedonia by airplane

There are only two international airports in Republic of Macedonia.

Skopje - Alexander the Great Airport / Aerodrom Aleksandar Veliki (SKP)

Ohrid - St.Paul the Apostle Airport / Aerodrom Sveti Apostol Pavle (OHD)

Options that might be considered as well are flying to Thessaloniki airport (Mikra) or Bulgaria Sofia airport, which are approx. 250 km away from Skopje.

Airport Local Transfer:

Local transfer from the Skopje airport to Krushevo will be organized on personal basis with each pilot that will need such a service. Fee for this service will be 20,00 €, one way. Taxis will be used. Please note that early notice is expected in order to organize this service properly.

Visas

E.U. and NATO membership countries do not require a visa, there are many other that do.

On non flyable days trips to Lake Ohrid, most famous tourist destination in the country could be easily accessed by individual transport or in an organized manner using the local transport. Also visiting cities of Bitola and Prilep are an option to be considered. Numerous monasteries and churches with special heritage value are displaced in the region, visiting them is also are all over the area and are an option to be considered.

3.7 ATTRACTIONS

Major attractions, things to do, swimming areas, etc:

The town of Krushevo is an attraction by itself. Suited at 1400 m. agl is one of the rare places where you are accommodated at the top of the mountain just minutes from the take off. It is full of historical points of interests, churches and monuments.

Lake of Ohrid is just 70 km away, offering wonderful beaches and summer holiday facilities, endemic fish plates, more than 400 churches from early days of Christianity. Ohrid is on the UNESCO list of World heritage protected sites.

More details are available at:

<http://www.lonelyplanet.com/macedonia/southern-macedonia/ohrid>

Usual outdoor activities are also an option, interesting hiking routes, mountain bike tracks and walks in untouched nature.

4. SAFETY

4.1 FIRST AID AND MEDICAL ASSISTANCE:

First aid will be provided by the team present at the T.O. We will have dedicated medical crew with equipped ambulance car every morning available before activities start.

Also, mountain rescue team will be available on the T.O. during launching. All potential incidents will be handled at site and if further assistance is needed, pilot will be transported to the facility most appropriate.

4.2 HOSPITAL ASSISTANCE:

In the region we have available three hospitals:

Hospital in Krushevo. It is lower profile hospital, providing basic care, treating fractures, wounds and ordinary illnesses. Usually they are redirecting more demanding patients immediately to the:

- Polyclinic in Prilep (25 min drive in ambulance) or to:
- Polyclinic in Bitola (45 min drive in ambulance)

Both hospitals are fully equipped and providing accommodation during the period of recovery. However, proper insurance to receive all services is required.

If further assistance is needed, especially in life threatening situations, patients are transported to Skopje where there are a lot of Hospitals and University Clinics at every level of service and care.

Transportation to Skopje if needed is provided by ambulance cars or helicopters in case of extreme urgency.

4.3 MOUNTAIN RESCUE

The town of Krushevo has its own dedicated Mountain rescue team. They are licensed for such an activity and quite experienced with paragliding and hang gliding related incidents. Please note that their arrangement is to take

care of the pilot themselves. In case of complicated equipment rescuing that is time and effort demanding some fee may apply.

4.4 HELICOPTER CASUALTY EVACUATION

Helicopter rescue is available in Macedonia. In order to have this service provided we contacted our Ministry of Internal affairs which is responsible body in the country. Helicopter and the crew is based in Skopje, response time is approximately 45 min, depending on the other incidents going on at the moment. Service is activated and deactivated on daily basis. During the actual task, we have permanent phone contact with the pilot and the crew.

Please note that we will activate this service only when we have pilot's life endangered. We can't use helicopter for mountain rescues that are not life threatening. For such cases we will use our mountain rescue team.

At the main take off there is landing pad if assistance is needed there. On the task routes there are numerous suitable places for helicopter landings that are adding responsiveness to the helicopter service.

4.5 LIAISON WITH POLICE, MILITARY, PUBLIC SERVICES:

We are working very close with all subjects within civilian services domain at the local level. Full support to our activities will be demonstrated on their side in order to provide environment suitable for executing high profile sport event, like daily regulation of the traffic (if needed) as well as physical surveillance, presence and assistance from the police officers will be at hand for the pilots and officials.

4.6 INCIDENT LOGGING:

Krushevo is well known for its extremely low incident rate for the hang gliding sport.

5. PROPOSED PROGRAMME

5.1 TYPICAL DAILY PROGRAMME

08:15 Team Leaders Briefing in the HQ
09:00 Informational Briefing in the HQ, results from the previous task
10:00 Start of transportation to the T.O.
11:00 Distribution of lunch packs and Live Trackers at T.O.
11:45 Task Briefing
12:30 Window open
18:00 Last landing
19:00 Downloading process, trackers recuperation
21:00 Provisional Results

5.2 PARTY'S DURING THE COMP

We will provide at least 1 party/dinner with the theme on local culture

As Krushevo is also known for its ethnic specifics and tradition, parties will be organized to reflect folklore, traditional foods and drinks in collaboration with local people, restaurants and bars. Timing of those parties will be defined according to the weather conditions and suitably announced on the task briefing in advance.

5.3 PRIZE GIVING PARTY

It will be organized on main city square in case of favorable weather or in the Conference Room of Hotel Montana if the weather conditions are not permitting outdoor event. Traditional dances and folklore will be performed. Presence of the Officials will be assured.

5.4 TALKS ABOUT INTERESTING FLYING TOPICS FOR PILOTS

We can use a Conference Room in Montana Hotel for such events. From our side we can provide an extensive presentation on the local flying area, wind pattern, possible tasks, how to fly them and all info related.

Also, if anyone from the broader pilots/team leaders/officials attendees is

willing to have his/her own session, we will be happy to assist in organizing it and support it with all means necessary.

6. COMPETITION

6.1 REGISTRATION

- ❖ Requirements needed to be fulfilled by each pilot at registration:
- ❖ Valid Pilot and FAI Licence
- ❖ Appropriate Medical Insurance certificate
- ❖ Appropriate Third Party Liability Insurance certificate with covered Accident-related rescue costs (rescue of the person)
- ❖ Signing a waiver of release of liability

6.2 T-SHIRTS

Will be provided

6.3 LUNCH PACKS

See Below

6.4 TAKE OFF

Net will be provided, or some other protection for the wings, although, Take Offs are good enough even without a net. There are no rocks so that is not an issue. All necessary preparations on the T.O. will be performed prior to the comp.

6.5 WAYPOINTS

File is available to be presented if needed.

6.6 AIRSPACE RESTRICTIONS

No restrictions

6.7 SCORING

As discussed (to be confirmed) Ulric Jessop is intended scorer at the moment. That will provide the best and most reliable service in the actual competition world. Coupled with the local staff assistance, this setup will provide super fast and reliable registration process as well as undisturbed and efficient downloads and results on day by day basis.

6.8 DOWNLOADS

Refer to the point above

6.9 TRANSFER TO LAUNCH

Each pilot or team has to organize its transport to the launch. The Launch area is located 2km from the town of Krusevo, via very good asphalt road.

6.10 RETRIEVALS

Retrievals need to be provided by each pilot or their teams. The organizers are happy to provide any assistance or help in providing local transport if needed, local personal drivers etc.

6.11 SMS

Local SIM cards at symbolic price of cca. 2.5 eur will be offered at registration. SIM cards usually come in normal/micro size. If some of the pilots need nanoSIM card, one will have to contact organizer of the competition several days before his/her arriving at competition.

6.12 RADIO

Radio usage is allowed within the comp and on allocated frequencies. It is strongly advised that each competitor use VHF hand-held radio on dedicated Safety and retrieve frequency. As a reference we are usually working on 145.320 for safety and 145.425 for retrieve. In the flying area, there is active Amateur repeater 0 (zero) with outgoing/incoming freq. 145600/145000 which can be used in emergency situations.

6.13 TELEPHONE

As mentioned SIM cards will be available, they usually have certain amount of free minutes within the competition group that are more than sufficient for one week of ordinary comp communication. Also, it is very easy to recharge your SIM at almost every corner for very modest price.

6.14 LIVE TRACKING

Live tracking will be supported by Airtribune. Pilots have to be registered on Airtribune.com and have to bring unlocked Android Smart phones with Airtribune live tracking application installed. It is strongly recommended to bring additional battery or Powerbank. SIM cards will be provided at registration as mentioned in 6.11.

6.15 SUMMARY OF PROVISIONS:

- ❖ Registration procedure, uploading of turn points
- ❖ Pilot info package including: Local guide to Macedonia and particularly Krushevo, T-Shirt of the competition in high quality materials, presents of the sponsors.
- ❖ High Quality Map of the flying area in multicolour standard, A3 format, with turn points plotted, waypoints with coordinates and names listed, road network for retrievals indicated.
- ❖ Downloading of the track logs, calculating and displaying of the results.
- ❖ Lunch pack (water in 0,5 litre bottles on the first day, suitable for refilling as water is drinkable all over the place), energy bar, fruit.
- ❖ Parties for the pilots, including food and certain amount of free beer, in a previously arranged restaurant or a bar. For events happening outside of Krushevo, pilots will have to use their own transport.
- ❖ All local fees to the NAC, civil aviation local Authorities,
- ❖ Rescue team for mountain operations, equipped and licensed.

- ❖ Ambulance on the take off, fully equipped and mobile, moving in the direction of the landing for the particular task.
- ❖ Please note that this calculation is based on 100 pilots participating.

Optional:

- ❖ Local transfer from the Skopje airport to Krushevo will be organized on personal basis with each pilot that will need such a service. Fee for this service will be 50,00 € one way.
- ❖ Lunch pack modification might be organized on personal basis with the pilots within the originally calculated price.
- ❖ Local visits to tourist destinations might be organized upon a fee previously presented.
- ❖ Additional parties or dinners might be organized for the team, group of pilots or for the officials upon a fee.
- ❖ SIM cards from the cheapest local mobile operator will be provided at the registration..

7. THE TEAM

7.1 MEET DIRECTOR

GORAN DIMISKOVSKI

7.2 SAFETY DIRECTOR:

MILE JOVANOVSKI

7.3 SAFE LANDING CONFIRMATION

MINE PAVLOVSKI

7.4 SCORING

ULRIC JESSOP

7.5 ANY OTHER

I will complete the team when issues mentioned before will be cleared

8. COST AND FINANCIALS

8.1 SPONSORSHIP

At the moment of writing no sponsors were approached as there is no clear confirmation that this event will be granted to my organization. However, Macedonia is difficult country sponsoring wise, so only internationally exposed hang gliding companies that may have interest in partnering with us in order to promote this event will be approached.

8.2 COST BREAKDOWN

Will come up after clearing all details mentioned above. However, we consider that with certain efforts we can fit within proposed budget according to the calculation of:

80% Pilot fee x 100 pilots, that is $160 \times 100 = \text{£}20,800$

However, detailed budget breakdown will be provided once all details are agreed on both sides

9. SUMMARY

I am really motivated to make this comp successful event, as that will be another proof of the capabilities of Krushevo flying arena as a reference competition site and will promote my team as a capable organizers. We already made Nordic Open, Slovenian Open, Czech Open, Polish Open, Ukrainian Open numerous times, Russian Cup, World Cup in 2012, we are bidding for Europeans in 2016, so I think you may trust us.

Regards,
Goran Dimiskovski



Република Македонија
Republic of Macedonia
Општина Крушево
Municipality of Krushevo

TO
CIVL President, Mr. August Gudmundson
CIVL Bureau
CIVL Delegates
Organizer, Mr. Goran Dimiskovski
Sports Club XSC - Ohrid

Бр. 03-937/1
Крушево 19.11.2013 год.
Република Македонија
Општина Крушево

Никола Ѓурковиќ 16А.
7520 Крушево
Тел. 048 477 061
Факс. 048 477 046
Е-пошта:
opstinakrushevo@krusevo.gov.mk
Сајт: www.krusevo.gov.mk

Subject: **Letter of support,**

According to your information about European Championship 2016 in hang gliding, Municipality of Krushevo within its facilities and resources will give maximal support for succesfull organization on this European Championship.

We hope that this Championship will be held in Krushevo, Republic of Macedonia for what in advance we thank you.

Yours sincerely,

Municipality of Krushevo
Mayor,
Gjorgi Damcheski





ВОЗДУХОПЛОВНА ФЕДЕРАЦИЈА

Бр. 99/2015
10.12.2015 год.
СКОПЈЕ



ВОЗДУХОПЛОВНА ФЕДЕРАЦИЈА НА МАКЕДОНИЈА

Ул. Мирислав Крлежа бр. 1, Скопје, тел.: Бр 070 391 007, 071 223 836,
факс: +389 (0) 2 3129-090, www.vfm.gov.mk, e-mail: aero.mk@gmail.com

CONFIRMATION

Aeronautical Federation of Macedonia with this notice confirms and supports the organization of the European Championship, discipline cross country that will be held in 2016. The European Championship will be organized by our federation member XSC – Ohrid. We strongly believe that our member have capacity to organize FAI 1 category event, because they already shown their expertise in organizing FAI 2 category event, class 1.

Aeronautical Federation of Macedonia is especially proud to European Championship 2016 and therefore will give maximum support to the organizer, within its capabilities to keep and raised previously established standards for FAI 1 category event.

Sincerely,

Violeta Spaseska

General Secretary of Aeronautical Federation of Macedonia



Live tracking:

19th European Hang gliding Championships,

Krushevo, Republic of Macedonia

06 – 20, August, 2016

The organizers plan to use Airtribune.com as a Live tracking service. It has been already used in several PG competitions in Krusevo with good success as well as in several competitions worldwide including FAI2 Hang Gliding comps.

The organizers have received support from Airtribune for their willingness to support the European Hang gliding Championships in 2016.

Their statement of support could be found below in its integral form:

“Airtribune offers complete turn-key solution for air sports competitions with mobile live tracking. This technology has been tested during 2014 in many real comps mostly FAI 2. E.g. Mobile live tracking was used this year in Macedonia during Ukrainian-Hungarian Paragliding Open, French Paragliding Open, Colombian, Spanish and Serbian Paragliding Nationals, etc. See these events here: <https://airtribune.com/events/past>

Airtribune mobile live tracking was used by some pilots in FAI 1 Ancey Hang Gliding Worlds in 2014. And those pilots who used it were tracked perfectly.

We have very good records with hang gliding events.

Mikkel Krogh used Airtribune mobile live tracking for Danish Nationals 2014 and was extremely satisfied. <http://www.hanggliding.org/viewtopic.php?p=352574>

And Davis Straub used our mobile live tracking for his Big Spring 2014 and liked it so much that in he placed his 3 US hang gliding events to be live tracked in 2015. You can see them in our events list (<https://airtribune.com/events/next>). “So far Airtribune is the best cell tower based tracking system that we have used.” he said in his Oz report blog on August 15, 2014. <http://ozreport.com/1408105151>

Airtribune’s event management system was completely rebuilt in 2014. Now it is absolutely automatic and managed by the organizer and his staff. No regular work of Airtribune staff is necessary. But we do provide on-line technical support for the organizers.

Moreover recently we rebuilt the system in order to meet the hang gliding comps specific requirements. Now it is possible to set different tasks at the same time for different classes (e.g. for flex and rigids, or up to 5 tasks simultaneously – for 1, 2, 4, 5 and Sport classes). Any other organizers functions as built-in report back chat and real time retrieve map remains same as for paragliders.

Airtribune mobile application for Android provides live tracking with 1 sec frequency. It has got buffer to save data in case of discontinuous mobile coverage. The organizers have ability to download live track logs in IGC format through their admin interface on the website.”

Elena Filonova (Airtribune)”