



**2019**
ZAKOPANE | **POLAND**



ZAKOPANE - POLAND
8 - 13 OCTOBER 2019

SUPPORTING ORGANISATIONS



PARTNERS - ICAR



PARTNERS AND EXHIBITORS - LOCAL



CONTENTS



WELCOME	4
ICAR PRESIDENT	5
TERRESTRIAL RESCUE COMMISSION	6
AVALANCHE RESCUE COMMISSION	7
AIR RESCUE COMMISSION	8
MEDICAL COMMISSION	9
DOG-HANDLERS SUB-COMMISSION	10
MOUNTAIN RESCUE IN POLAND	12
TATRA NATIONAL PARK	14
CONFERENCE PROGRAM	18
EXHIBITORS	24
ACCOMODATION AND MEETING PLACES	26

HEAD OF TOPR

Jan Krzysztof



In the year 2019 Tatrzańskie Ochotnicze Pogotowie Ratunkowe - Tatra Mountain Rescue Service has a second chance to welcome delegates to the ICAR Congress held in the foothills of the Tatras, in Zakopane. In 2004 we hosted our first Congress. This year we are celebrating the 110th anniversary of our organisation. TOPR was officially registered as a mountain rescue service on October 29, 1909 - as one of the first such organisations in the world. After 110 years of complex history, and various turmoils survived by our members, as well as by the organisation itself, we currently operate under the original name and follow the principles closely adhering to the ones of 1909.

Since the very birth of TOPR teamwork and ability to cooperate have been the keystones of our organisation. We are very lucky that teamwork is the main theme of this year's ICAR Congress.

During the Congress we will have an opportunity to present our experience from the last months - extensive joint work of various rescue agencies during mass casualty event resulting from great popularity of the Tatras among tourists, as well as intensification of powerful weather phenomena. I am referring to the case of thunderstorm which left more than 160 persons injured, many in severe health distress, and four people - including two children - passed away. This disastrous event occurred at a very intense time for our small, local organisation. There was an ongoing cave rescue which came to completion after a month since the first rescuers were sent underground, an evacuation of more than 400 passengers trapped in the mountains after lightning damage to cable car, and a number of "standard" rescue interventions in the Tatras. Without exemplary cooperation with other rescue organisations and agencies these operations would not have been completed.

We hope that the upcoming event, with its unique opportunity to exchange experience among several dozens of rescue organisations, and others aiming to support mountain rescue, will result in greater efficacy of mountain rescue in the world.

If this exchange helps save one more life – this is enough of a reason to organise and take part in the Congress.

We are looking forward to meeting you in Zakopane, the capital town of the Polish Tatras!

ICAR PRESIDENT

Franz Stämpfli



In the name of the ICAR Executive Board I would like to welcome you in Zakopane Poland. I'm looking forward meeting you during our annual convention and leading through our Assembly of Delegates.

It is not the first time in its 71-year-history, that the International Commission for Alpine Rescue (ICAR) is coming to Zakopane for its annual congress. In the year of 2004 there was already an ICAR Congress held in the Tatras in Zakopane. The Tatra Mountain Rescue Service has now a second chance to welcome our delegates in the high mountains of the Tatras. In this year the Tatra Mountain Rescue Service is celebrating the 110th anniversary of this organization. TOPR, as the short form is, is registered as mountain rescue service since the year of 1909, as one of the first such organizations in the world. Congratulations - you can be very proud about that.

Our last congress took place in Chamonix France. We keep the warm welcome of the Mountain Rescue France with ENSM, ANENA, LA CHAMONNARD, PGHM, CRS DU SECOURS EN MONTAGNES, GMSP GROUPE DE SECOURS EN MONTAGNE DES SAPEURS-POMPIERS, FORCES AÉRIENNES DE LA GENDARMERIE, HÉLIPTÈRES DE LA SÉCURITÉ CIVILE, ANMSM, FFME - ADSSM74, in our memories.

Thanks again to our friends from Chamonix.

The work in the ICAR Executive Board is very positive and the members have great experience and are highly professional. Our mission says: ICAR provides a platform for mountain rescue and related organizations to disseminate knowledge with the prime goal of improving mountain rescue services and their safety. It's a worldwide organization that respects its members and promotes international cooperation.

Our number of members is steadily increasing. This is the success of the good work, which is done in our bodies, especially in the technical commissions. A big thank you goes to our Commission Presidents, our Executive Board and our office. 2/2

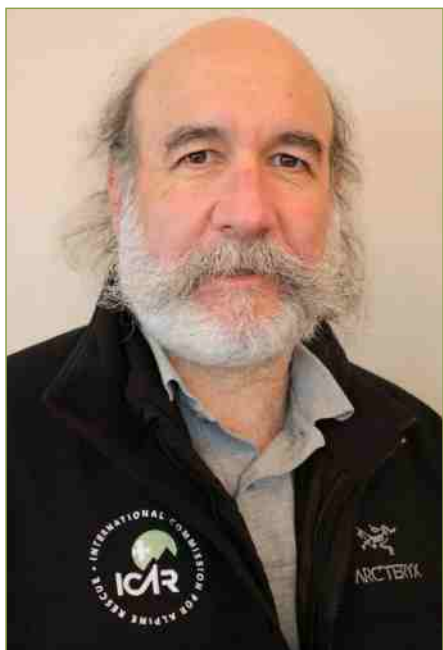
Like every year, the pre-conference workshop day offers interesting topics. The presidents of the different commissions have prepared a perfect program. I hope that you can participate, give your thoughts and bring in your inputs at the different posts or in the various sessions.

Honor where honor is due: The preparation and the organization of this event required a lot of efforts and the whole team in France deserves our great respect. Thank you to the organizing team for your much appreciated initiative to make this event here possible.

Thank you all for the big work and I'm very pleased to meet you in the capital town of the Polish Tatras.

PRESIDENT OF THE TERRESTRIAL RESCUE COMMISSION

Gebhard Barbisch



Dear Members of the Terrestrial Rescue Commission, dear Friends of ICAR and dear much appreciated Exhibitors!

This year the convention will be organized by our Polish Members in Zakopane.

The organizing committee is preparing a perfect environment for our convention. As every year we need intensive cooperation and the willingness to work together to have a successful meeting here in Zakopane. Especially this year, where our primary theme is "Teamwork" – lets have "Teamwork" as a basis for our success!

This year's practical session is organized and supervised by the ICAR Terrestrial Commission. We will hold this practical day on Wednesday and many demonstrations are prepared. I am sure that all those providing the various demonstrations will show us rescue techniques which are helpful for all of us.

During our congress meetings we will see a lot of presentations about "Teamwork". Also, the workgroup "Incident Command System" will present the result of their work over the past year. We must also discuss new internal rules for our Commission to handle all our topics, the growing number of attendees and collaborating with other ICAR Commissions.

I am sure, it will be very interesting for all of us. All the presentations and demonstrations can help us bring our own rescue operations to a good end.

Every year I write: It is very important for all of us to learn each from another. To have a look with respect about what others did and what happened during their rescue operations. Don't let us repeat our errors! These intentions are and continue to be the premise which motivate us to work together at the ICAR level, and this year is no exception.

Let's look forward and try to extend the time between our errors - it's a challenge - but together we are stronger, and this helps us more easily reach this goal!

PRESIDENT OF THE AVALANCHE RESCUE COMMISSION

Dominique Létang

Chief of the French avalanche association (ANENA)



Dear Friends,

It is with a great pleasure that we return to Poland and I would like to thank and congratulate our friends of the Polish mountain rescue teams, but also the organizers.

As we decided during our last congress in Chamonix, we will work in different groups on themes that you are going to discover. It is necessary to have presentations on the state of the art, of the moment, regarding the avalanche rescue. But I am looking for, through the working groups, to go even further in the diagnoses while still seeking to improve the protection of the rescuers. This is the challenge we face, and I count on the involvement of all our members to work in this direction.

I would like to thank Stephanie Thomas from Teton County (USA) who helped me to prepare this congress.

I have an emotional thought for the two patrollers who died last winter in Morillon (France) by bombing, during avalanche control. I would like to dedicate this convention to them, as a souvenir.

I wish all of you, commission members, organizers, designers, and manufacturers, a great congress.

PRESIDENT OF THE AIR RESCUE COMMISSION

Charley Shimanski



Dear members of the Air Rescue Commission, dear partners, exhibitors and manufacturers, guests and friends of ICAR.

The leadership of the Air Rescue Commission welcomes you to Zakopane, Poland for our annual ICAR Congress. We are deeply grateful to our colleagues at Tatra Volunteer Search and Rescue (Tatrzańskie Ochotnicze Pogotowie Ratunkowe (TOPR)) for the extraordinary work they have done to develop what will be a memorable Congress.

This year's theme of "TEAMWORK" is a particularly fitting topic for all rescue mountaineers, especially for pilots and crew-members of rescue aircraft. The vast majority of rescue aviation accidents are the result of human error and our efforts to work as a team can mitigate our risk and reduce the frequency of such accidents.

This year we extend our thanks to Airbus helicopters for again bringing one of their newer helicopters to our Congress. We are equally grateful to Leonardo helicopters for collaborating with ICAR this year and bringing a new AW-169 to our event, and to Bell Helicopters for joining us with a 429 EMS-equipped aircraft. We are fortunate to have strong

Thanks also to our friends at Breeze-Eastern who are graciously hosting a "meet and greet" on October 8, giving our growing number of delegates an opportunity to network together in a meaningful way.

Finally, I join Air Rescue Commission Vice President Renaud Guillermet in extending profound thanks to Pat Fauchère for his extraordinary leadership. Pat retired last year as President of the Air Rescue Commission after serving as our President for 10 years, and a delegate for twenty years. Pat's leadership is truly missed, but a new generation of Air Rescue commission delegates is emerging to help us all work together to fill the crevasse left by Pat's retirement from the Air Rescue Commission presidency. Merci beaucoup, Pat, pour tout votre travail en notre nom.

I welcome you all to Zakopane, and I look forward to meeting with you in a spirit of learning and sharing our work together.

PRESIDENT OF THE INTERNATIONAL COMMISSION FOR MOUNTAIN EMERGENCY MEDICINE (ICAR MEDCOM)

John Ellerton



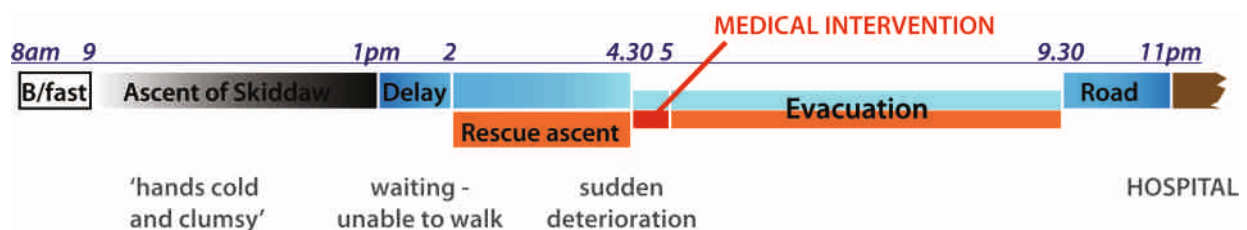
Dear colleagues

ICAR MEDCOM is delighted to meet in Zakopane for its fall meeting and congress. It is always a great pleasure to return to Zakopane as it holds lots of memories for me; it was my first 'foreign' Congress in 2004.

I remember the excitement of travelling to a new place, spying potential colleagues in the Krakow airport, the long drive (in those days) south and then the first view of the Tatra towering over the plain. If I'm not mistaken there was fresh snow on the high peaks and the mornings had a refreshing coldness.

TOPR is a name that conjures up an envious long history of mountain rescue and togetherness so it is fitting that this year's theme is 'Teamwork'. Back in my youth (2004), I had the ego of a Doctor that was the rescue hero - the only one that could save the climber. The Doctor was the centre of the mission; true there were a few accessories to carry the stretcher but it was the Doctor that would be the miracle!

The ICAR Congress 2004 started a journey for me that ends in this simple graphic.



The medicine is the bit in red (of course); the rest is the planning, approach and evacuation - 30 minutes of medicine in a 15 hour casualty's day. One hundred and fifty rescuers; one Doctor spending a few minutes intervening. In reality, mountain rescue is always a team effort. A true 'chain of survival' where those 'accessories' are as critical as a million € helicopter or even the Doctor!

Coming through Krakow gives the Medcom a unique opportunity to see first hand the amazing 'Hypothermia Centre'. This world-leading Centre provides a reliable chain of survival from the mountains above Zakopane to the intensive in-hospital treatment of a cardiac-arrested hypothermic victim. It will be a stunning start to the ICAR Congress that is exploring the teamwork theme.

PRESIDENT OF THE DOG-HANDLERS SUB-COMMISSION

Marcel Meier



Dear organizing committee, dog-handlers and delegates.

I am very pleased that I can welcome new and old friends under the topic of teamwork.

Teamwork has already begun with the organization of this congress. Therefore, I would like to thank this team for their great work.

Teamwork is a priceless hard-working factor that is indispensable for the successful rescue of people in need.

In the run-up to this congress, the technical committee has put together an interesting program for all delegates.

In particular, teamwork plays a major role in the training of rescue dogs. Without the disinterested work and engagement of dog handlers it is not possible to train a rescue dog.

Only as a team we are strong and successful.

I wish all delegates a lot of exciting lectures and presentations as well as stimulating discussions in the exchange of experiences and knowledge and hope that the teamwork can be lived intensively.



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ICAR 2019 CONVENTION
International Commission for Alpine Rescue

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TOPR



MOUNTAIN RESCUE IN POLAND

Tatrzańskie Ochotnicze Pogotowie Ratunkowe - Tatra Mountain Rescue Service, established in 1909, is a professional mountain rescue organisation which operates in the Polish Tatras, southern Małopolska region, and occasionally in neighbouring mountain ranges. A specialised division of our team performs ski-patrolling duties on selected ski slopes and pistes in vicinity of Zakopane.

The foundation of TOPR has preceded by 9 years Poland's regaining of independence. In 1939 the country has fallen under occupation, the rescue service survived, yet its name has been forcefully changed. In 1952 TOPR has been incorporated into a newly established body which subsumed all mountain rescue organisations in People's Republic of Poland. We have returned to our original name and became fully autonomous only in 1990.

TOPR personnel consists of 40 full-time mountain rescuers and more than 200 volunteers. Besides unified, basic mountain rescue skills our rescuers pursue various specialities - among us there are doctors, paramedics, dog-handlers, mountain guides, cavers, divers, alpinists, ski-mountaineers. This variety of skills concentrated in one organisation is necessitated by varied terrain and truly alpine character of the Tatra mountain range. This unique landscape, strikingly different from typical Polish landforms, attracts vast masses of visitors each year. Moderate area of 175 km², and 275 km of hiking trails in Polish Tatras in years 2015-2018 have welcomed 14 million people, both from Poland as well as from abroad, representing most diverse sets of skills, preferences, and expectations.



Established in 1909



40 Full-time
mountain rescuers



Over 200 volunteers



Polish Tatras



ZAKOPANE-POLAND 8 - 13 OCTOBER 2019

MOUNTAIN RESCUE IN POLAND



As a result of the Tatras' popularity and demanding character in the years 2015-2018 TOPR rescuers were involved in 2647 various mountain rescue operations. The majority of people rescued were hikers and non-specialised tourists. Apart from them 100 rescue missions concerned off-piste skiers and freeriders, 110 were climbing accidents, 3 were rescues in caves and 21 were associated with avalanches. In the mountains TOPR has brought rescue to 3111 people, similar number of skiers on pistes received our help. In those years on the territory of the Tatras more than 1000 people receiving our care were in severe health distress, 70 people have passed away. A sizeable portion of the rescues are conducted with W3A Sokół helicopter owned by TOPR, in 2017-2018 our helicopter participated in 827 missions, with more than 1000 people rescued. The fact that the helicopter remains in sole possession of our organisation and its tasks are limited to provision of rescue makes it not only one of our essential tools, but also a very reliable one.

Financing of TOPR is provided by the Polish Ministry of Interior, Tatra National Park and sponsors - as a result, all mountain rescues provided by TOPR are free of charge.

TPN



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TATRA NATIONAL PARK

TATRA NATIONAL PARK

The Tatras are a great oddity on the natural map of Poland. This small piece of our lowland country towers high above the surrounding land. Here are our highest peaks and deepest caves. Only here are the deep glacial lakes frozen with ice for half the year. Only here is snow in the middle of summer nothing strange. As a result, there are many treasures to be found nowhere else. Only here grow the stone-pine forests and the numerous edelweiss, gentian and saxifrage, and white anemone. Only here live the chamois, marmots and snow voles. Only in the Tatras and Bieszczady have our ancestors never succeeded in exterminating the bears. Only here do the wall creepers nest in rock crevices. Only here do the golden eagles look so majestic against the inaccessible crags. Furthermore, there is no shortage of evidence of the unique culture of the Podhale highlanders, which has grown out of the centuries-old pastoral tradition and the struggle to survive on the rocky ground.

Why is Tatra National Park worth visiting?

The Tatra National Park is one of 23 national parks in Poland. It encompasses territory of 21 197 hectares - and as it forms one natural whole with Slovak parts of the Tatras, in total ca 100 000 hectares are protected. The highest peaks within the Park exceed 2400 meters above the sea level (Rysy, the highest peak in Poland: 2499 m). In parts of High Tatras the alpine landscape can be seen, whilst in the western parts the mountains are less prominent. The rocks in the Tatras have extremely interesting geology, and date back 400 millions years into the past. When taking just a little step on a marked trail we often move into entirely different geological era. Also the glaciers have left their mark on the Tatras - the mountains owe those masses of ice many of their current features such as lakes or steep rock faces.



TATRA NATIONAL PARK

In the Polish Tatras there is about 100 000 species of vascular plants, 200 of which can be seen nowhere else in the country. When wandering in alpine zones one can easily spot chamois, the animal which is a symbol of Tatra National Park. The Tatras are wild mountains in which also European predators find their home (wolves, lynxes, and bears). That is why one should obey the recommendations issued by the Park so that threatening situations when meeting those animals are avoided. Let us keep in mind that the limitations for visitors activity are meant to protect the fauna and the flora of the Park, as well as increase the safety of hikers, climbers and others.

There is 275 kilometers of marked trails in the Park at the disposal of the visitors. In wintertime (with exception of three sections) also ski-tourists are welcome on these. The dense network of marked trails allows to reach even the most attractive sights, as well as places where unique plant and animal species can be witnessed. In steep and technically demanding places artificial aids (chains, ladders, rungs) have been installed.



Within the Park there are designated areas where sport and leisure activities can be practiced. Climbing is allowed in the Morskie Oko, and Hala Gąsienicowa areas, as well as in Dolina Lejowa, and Jaroniec crags in the Western Tatras. There are more than 800 caves identified in the Polish Tatras, among which 6 are accessible for general visitors, and 25 for experienced cavers. Downhill skiers may use the pistes in the vicinity of Kasprowy Wierch: in Goryczkowa and Gąsienicowa valleys. There are 8 refuges available for visitors in the Tatra National Park, all of them owned by Polish Tourist and Sightseeing Society (PTTK). Rich educational resources are available for visitors: natural exhibitions at Natural Education Centre (ul. Chałubińskiego 42a), Secret Garden by the Education Centre, rock exhibition depicting the geological map of the Tatras (ul. Karłowicza), historical exhibition "The Deeds of the Zamoyskis", and outdoor exhibitions in Kuźnice.

We invite you to visit the Park and take full advantage of the rich tourist infrastructure.



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PROGRAM



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Conference Program						ICAR Convention 2019 in Zakopane, Poland						Tuesday, October 8th					
Time		TER		AVA		AIR		MED		DOG							
17.30 - 18.30						Meet & Greet (static helicopter display at hotel helipad for all delegates)											
19.00 - 19.30						Welcome and Information for the Practical Day (in room TER)											
19.30 - 22.00						Dinner											
Conference Program						ICAR Convention 2019 in Zakopane, Poland						Wednesday, October 9th					
Time		TER		AVA		AIR		MED		DOG							
06.30 - 08.00						Breakfast											
08.15 - 18.00						Pre-Conference Workshop (Lead: Terrestrial Commission, lunch outside in the Field)											
18.30 - 19.30						Meet & Greet Reception for all delegates (hosted by Breeze Eastern)											
19.30 - 20.00						Opening of the Conference (in room TER)											
20.00 - 22.00						Dinner											
Conference Program						ICAR Convention 2019 in Zakopane, Poland						Thursday, October 10th					
Time		TER		AVA		AIR		MED		DOG							
06.30 - 08.00						Breakfast											
08.00 - 08.30		Assembly of Delegates (TERCOM)		Welcome, President's report, introduction of delegates		Welcome President's report Introduction of delegates		Welcome and President's report		Welcome and information/presentation of new members							
08.30 - 09.00				Avalanche accidents by country		Presentation by host (TOPR - Andrzej Górka)		Internal Regulations (approval) & elect Vice-President		Rescue dog work in the Polish Tatra Mountains, Lukasz Migiel TOPR							
09.00 - 09.30		Internal Regulations - Draft / Growing Number of Attendees at TERCOM (Kirk Mauthner)		Avalanche accidents by country		Presentations by Delegates/countries		Website, Forum and Archive (Natalie Hölzl, Gege Agazzi)		Avalanche Accident in Switzerland, Meier Marcel ARS							
09.30 - 10.00		Teamwork in cross border rescue operations in Tatra - Andrzej Marasek TOPR, Marek Biskupić HZS		Teamwork in cross border rescue operations in Tatra - Andrzej Marasek TOPR, Marek Biskupić HZS		Coffee Break		Discussion: What do we want from the ICAR website? & Growing Commission (John Ellerton)		Coffee Break							
10.00 - 10.30		Coffee Break		Coffee Break		Presentations by Delegates/countries		Coffee Break		Avalanche accident in Iceland, Thora Jonadottir, ICE-SAR							
10.30 - 11.00		Incident command systems - Features, Functions and Failures - Al Read - WG-ICS		Presentation of the internal AVA working group - Stephanie Thomas (USA)		Incidents/accidents (Charley Shimanski and Renaud Guillermet)		Proposed ICAR Recommendation: Determination of Death. Corinna Schön, Switzerland		ERASMUS; Knut Skar, Norge Rescue Dogs							
11.00 - 11.30		The Incident Command System Workgroup, Dan Hourihan - WG ICS		Common Training Sessions in Greece - Nektarios Parmakis (Greece)		Incidents/accidents (Emmanuel Chavanne and Renaud Guillermet)		Proposed ICAR Recommendation: Suspension Trauma. Giacomo Strapazon, Italy		Team approach, from the local Sheriff and law enforcement, avalanche control team, Helicopter crew along with the WBR dog handlers, Tracy Christensen							
11.30 - 12.00		Recommendation ICS - Draft - Presentation and discussion - Asgeir Kristinsson - WG ICS		Avalanche Data in the World - Based on the Dale Atkins's work, Oyvind Henningsen - Snohomish County SAR		Incidents/accidents, Trends and Concerns, Open Discussion (All Delegates)		ICAR Medcom Review of Recommendations. Matthias Jacob, Germany		Teamwork in Lake District, Chris Francis Lake District							
12.00 - 13.30						Lunch											
13.30 - 14.30						Information from our Partners and Exhibitors (in room TER)											
14.30 - 15.00		Development of Rescue Supporting Technologies, Jakub Hornowski TOPR, Pawel Rościszewski Paga Solutions, Jan Staszuk NeoSoft SAR		Development of Rescue Supporting Technologies, Jakub Hornowski TOPR, Pawel Rościszewski Paga Solutions, Jan Staszuk NeoSoft SAR		Airbus Presentation (Christian Fanchini - Airbus)		Progress report: Psychosocial health of ski patrollers and mountain rescuers (Nordgren)		Winning harness project for search dogs, Andy Peacock Lake District							
15.00 - 15.30		Operation Mangatawai - Aug/Sep 2017 (Peter Zimmer - LANDSAR NZ)		Video Avalanche Accident, Francisc Carola Pulli Catalogne (Spain)		Coffee Break		Coffee Break		Coffee Break							
15.30 - 16.00		Coffee Break		Coffee Break		EASA Update (Renaud Guillermet & Fabrice Legay EASA)		Diploma in Mountain Medicine update, Jason Williams, DIMM Administrative Group		Call outs for search dogs, Chris Francis Lake District							
16.00 - 16.30						Forging a Better Avalanche Chain of Survival. Heiko Stopsack, Senior Paramedic & Director, Mt. Hood Backcountry Ski & Avalanche Institute & King County Medic One - Air Rescue Unit, U.S.A.											
16.30 - 17.00						Should Airbags be Mandatory Avalanche Safety Equipment? Dr Christopher Van Tilburg, Crag Rats MR Hood River, Oregon & MRA, USA											
18.00 - 19.00						ICAR Executive Board Meeting											
19.00 - 22.00						Dinner											

PROGRAM



ICAR 2019
ZAKOPANE | POLAND

Conference Program		ICAR Convention 2019 in Zakopane, Poland			Friday, October 11th	
Time	TER	AVA	AIR	MED	DOG	
06.30 - 08.00	Breakfast					
08.00 - 08.30	Rescue after a Bear Attack - Multiple Agencies Operation - Lessons Learned, Anthony Stefens Teton County SAR	Lego Simulation in Avalanche Tactics Training, Marcin Witek TOPR	Leonardo AW169 Helicopter, Static Display at Hotel Helipad	Discussion: Multiple trauma management in alpine environments. Dr Peter Paal, Austria	Working Dogs with Helicopter Crew, Team Work, Field Training, Łukasz Migiel TOPR	
08.30 - 09.00	Wolfhound ICAR 2019, Olivier Favre - GSM	Teamwork in the Tetons County- Cody Lockhart - (USA)	Drones? Assets and Hazards (Dr. Will Smith - Teton County SAR)			
09.00 - 09.30	twICEme Medical ID. Christian Connolly, CEO - Discussion on application. Dr Peter Paal, Austria	Avalanche Commission Recommendation and Future goals for Commission - Oyvind Henningsen - Snohomish County SAR	Drones? Assets and Hazards (An AirCom Discussion)	twICEme Medical ID. Christian Connolly, CEO - Discussion on application. Dr Peter Paal, Austria		
09.30 - 10.00	Coffee Break	Coffee Break	Breeze-Eastern Hoists (James DeCuollo USA)	Rescuer first aid competence document. Dr Kazuo Oshiro, AMMR, Japan		
10.00 - 10.30	Teamwork perception in Search and Rescue Operators: Work in progress or a reality? SAGF Alberioli Alessandro	Prevention: Strategies, Statistics and Trends - Matthias Tarestadt and Per Olov Wikberg	Coffee Break	Coffee Break		
10.30 - 11.00	Manage and Control complex SAR Operations - Bojan Sunjic /GSSuBiH	Industry and Partnerships Collaboration - Kyle Hale - CAA	Leonardo Helicopters (Domenico Bubbico)	Heat illness - review & lessons from the Grand Canyon. Dr. Drew Harrell & Dr. Risa Garcia, UNM-IMMC, USA		
11.00 - 11.30	Dual Tension Line with Maestro - French Groupe / Sylvain Couloumy /DCCRS - CNEAS	Research, Design and Science - Stephanie Thomas / Teton SAR	Internal Regulations Draft, Commission Charter and Commission Goals (Charley Shimanski and Renaud Guillermet)			
11.30 - 12.00	Tactical Alpine Medicine. Markus Isser, ÖBRD	Working Group/Internal Discussion	Teamwork in HEMS, Ústí nad Labem, Czech republic (Jan Buble) & University of New Mexico (Jason Williams, Larry Koren UNM-IMMC, USA)	Tactical Alpine Medicine. Markus Isser, ÖBRD		
12.00 - 13.30	Lunch					
13:30 - 14:00	Risk Assessment of Civil Liability for Alpine Rescue Teams, Rick Lorenz / MRA	Ski patrol medical program, Outdoor Emergency Care, 6th revision (20 min) Dr David Johe; National Ski Patrol, USA	Winch operators rating (Emmanuel Chavanne and Remy Bergon - Gendarmerie France)	Ski patrol medical program, Outdoor Emergency Care, 6th revision (20 min) Dr David Johe; National Ski Patrol, USA		Teamwork in Reserve Military System Alpine rescue Switzerland - Marcel Meier
14.00 - 14.30	1000 m Longline Rescue from Troll Wall (Odd Staurset - NARG)	Working Group/Internal Discussion	1000 m Longline Rescue from Troll Wall (Odd Staurset - NARG)	Feedback: Krakow hypothermia day (10 min) & Vital signs in hypothermia. Dr Mathieu Pasquier, CHUV, CH	Work Like a Dog - Teamwork at Howse Peak, Jennifer Coulter K9 Canada	
14.30 - 15.00	Cave Rescue in Croatia - Darko Baksic / CMRS	Working Group/Internal Discussion	Bell Helicopters (ATE Poprad, Slovakia)	Standardising our approach to preventing and treating hypothermia, Dr Live Kummen, NF & Practice of advanced airway management in mountainous terrain, Maciej Mikiewicz, TOPR	Search for People in Crevasses with rescue dogs, Philipp Imboden - KWRO	
15.00 - 15.30	European Cave Rescue Association - ECRA - Dinco Novosel / ECRA	Summary of Internal Discussion	Alpine Helicopter Rescue Specialty Course Module (An AirCom Discussion)	Review of other projects: Avalanche QI, Alexandre Kottmann & Hypothermia preparedness video, John Ellerton/Viktor Lugnet & Future projects: ICAR recommendation on POCUS?	Preview of the workshop in Slovakia 2020 - Marcel Meier, Milan Tomcik	
15.30 - 16.00	Small Party Cave Rescue applications for Alpine Rescue Situations, Eddy Cartaya MRA	Summary of Internal Discussion	Lifeseeker (Héctor Estévez)	ICAR questionnaire on blood products? John Ellerton/Sven Christjar Skaiaa	Working on Recommendations	
16.00 - 16.30	Avalanche accident in Tamok Valley - Vegard S. Olsen, Dr. Jula Fieler - Norway	Avalanche accident in Tamok Valley - Vegard S. Olsen, Dr. Jula Fieler - Norway	Future Issues facing AirCom, Group Discussion (All Delegates)	Future Projects: Medical aspects of SAR template, Dick Price, NZ	Working on Recommendations	
16.30- 17.00	Internal Regulations - Draft / Growing Number of Attendees at TERCOM (Kirk Mauthner) - Follow up if necessary	Summary of Internal Discussion	AirCom Wrap Up, Group Discussion (All Delegates)	Future Events: spring meetings, ISSM Interlaken - John Ellerton	Internal session	
18.00 - 22.00	Local Event (incl. Dinner)					

PROGRAM



ICAR 2019
ZAKOPANE | POLAND

Conference Program		ICAR Convention 2019 in Zakopane, Poland				Saturday, October 12th
Time	TER	AVA	AIR	MED	DOG	
06.30 - 08.00	Breakfast					
08.00 - 08.30	"Simulation in Mountain Rescue 2.0: the future has begun". Prof. Matthias Jacob, Bergwacht Bayern, Germany (20 min) & Registry of Rescuer deaths – update and proposal. Dr John Ellerton, ICAR (10 min)					
08.30 - 09.00	Determination of death. Dr Corinna Schön, Switzerland (15 min) & ICAR MedCom Suspension Trauma Recommendations. Dr Giacomo Strapazzon, EURAC, Italy (15 min)					
09.00 - 09.30	Caving Rescue - differing pattern of rescues and the responses between Europe and North America. Drs Roger Mortimer, USA & Iñigo Soteras, Spain					
09.30 - 10.00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
10.00 - 10.30	Critical Incident Support of Patients and the Team - Psychological First Aid (Dr. Alison Sheets and Charley Shimanski)					
10.30 - 11.00	No Easy Weeks - Busy August in the Polish Tatras, Andrzej Górka TOPR, Jakub Hornowski TOPR					
11.00 - 11.30	VFR Air-to-Air Collision prevention/Limitations of "see and avoid" (Renaud Guillemet, Sécurité Civile)					
11.30 - 12.00	Teamwork for missing people in Austria (ÖBRD/Police/RECCO) - Martin Gurdet / ÖBRD					
12.00 - 14.00	Lunch					
13.00 - 14.00	ICAR Executive Board Meeting (optional)					
14.00 - 15.00	DRONES - ICAR Commission Presidents speak on the impact of drones to their discipline (e.g. collision avoidance, payload capacity, search capability (including avalanche), accessibility), concludes with feedback from all delegates					
15.00 - 15.30	Satellite Based Solutions for Search and Rescue Operations (Benoit Vivier EENA, Vojtech Fort European GNSS Agency/EURISY)					
15.30 - 16.00	Coffee Break					
16.00 - 18.30	71st ICAR Assembly of Delegates					
19.30 - 23.00	Gala Dinner					
Conference Program		ICAR Convention 2019 in Zakopane, Poland				Sunday, October 13th
Time	TER	AVA	AIR	MED	DOG	
06.00 - 08.00	Breakfast					
06.00 - 11.00	Check-out, Departure					



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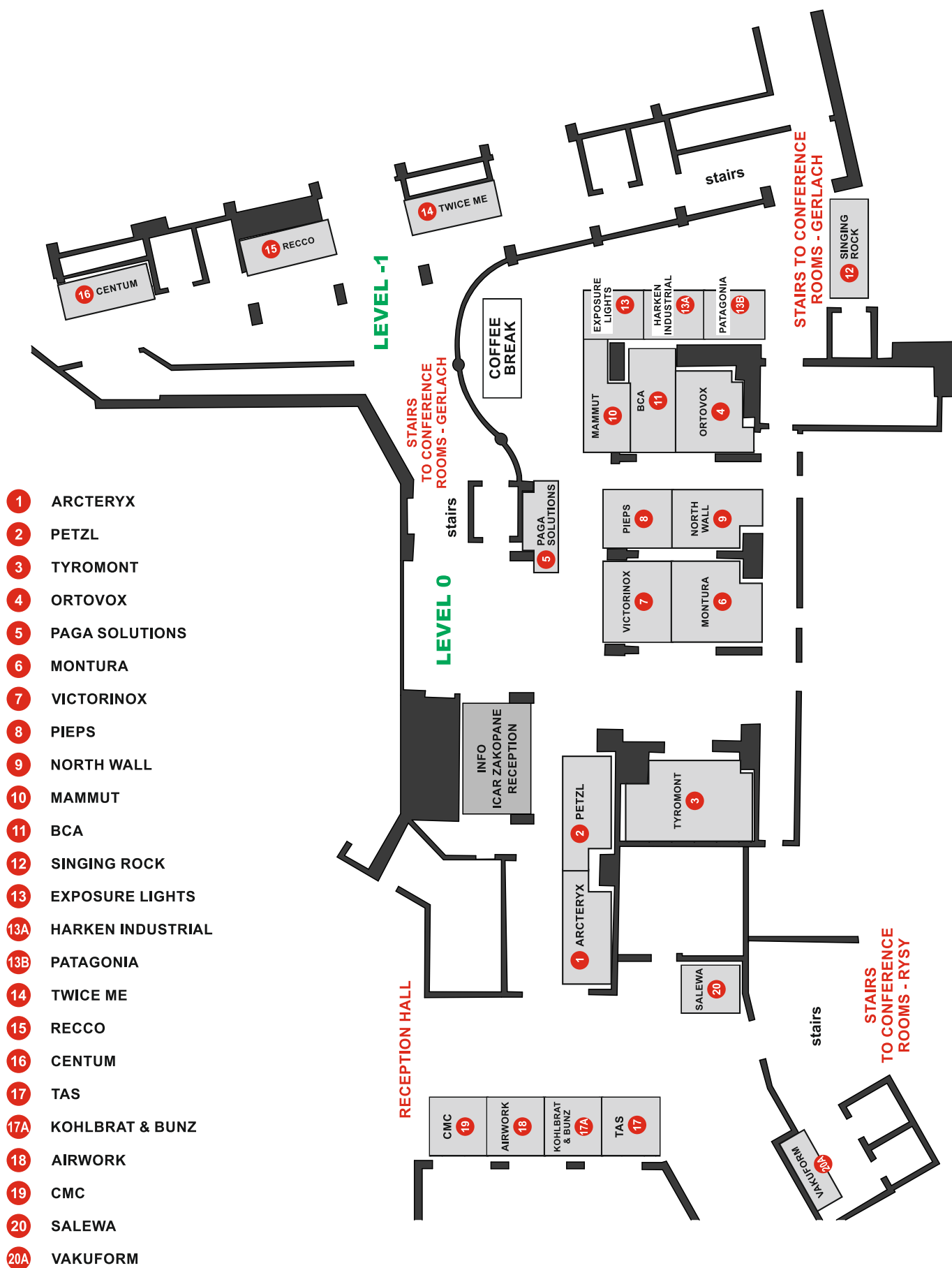
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EXHIBITORS



STANDS 1 - 20

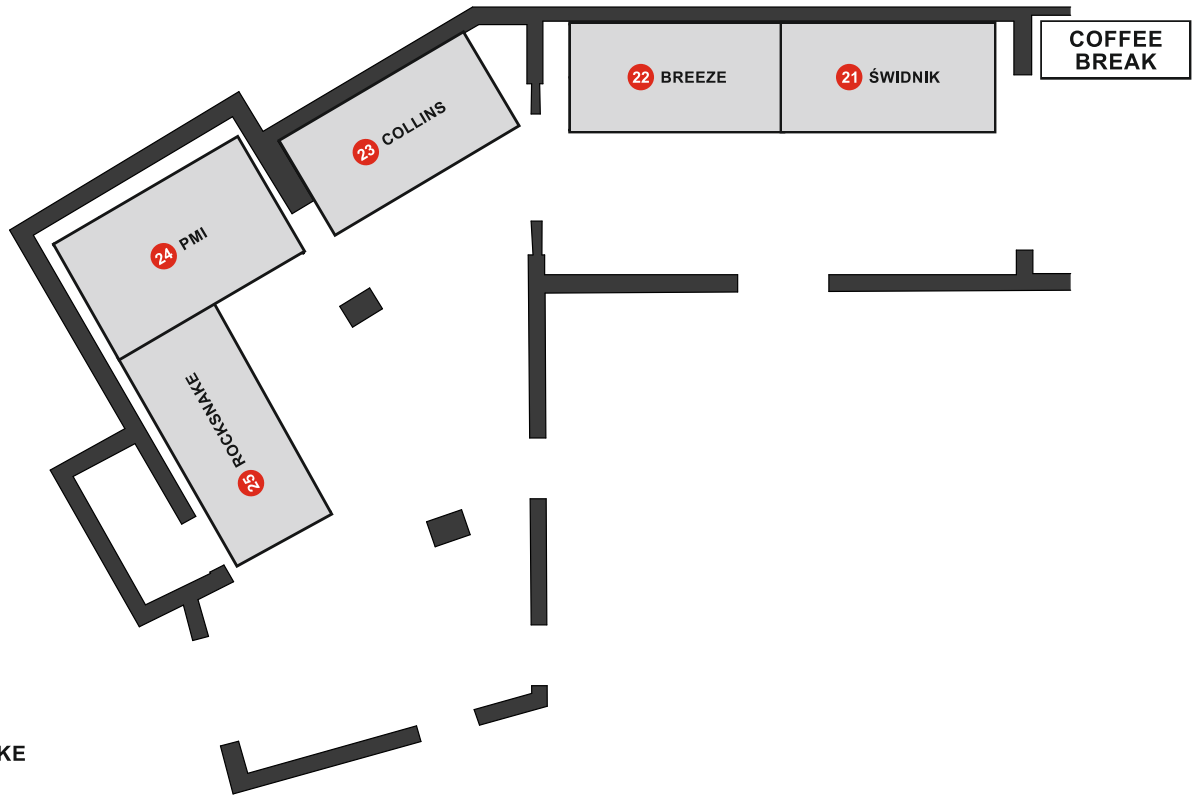


EXHIBITORS



ICAR 2019
ZAKOPANE | POLAND

STANDS 21 - 25



ACCOMODODATION AND MEETING PLACES



RESORT & SPA

Nosalowy Dwór

ZAKOPANE

The largest Resort in Zakopane

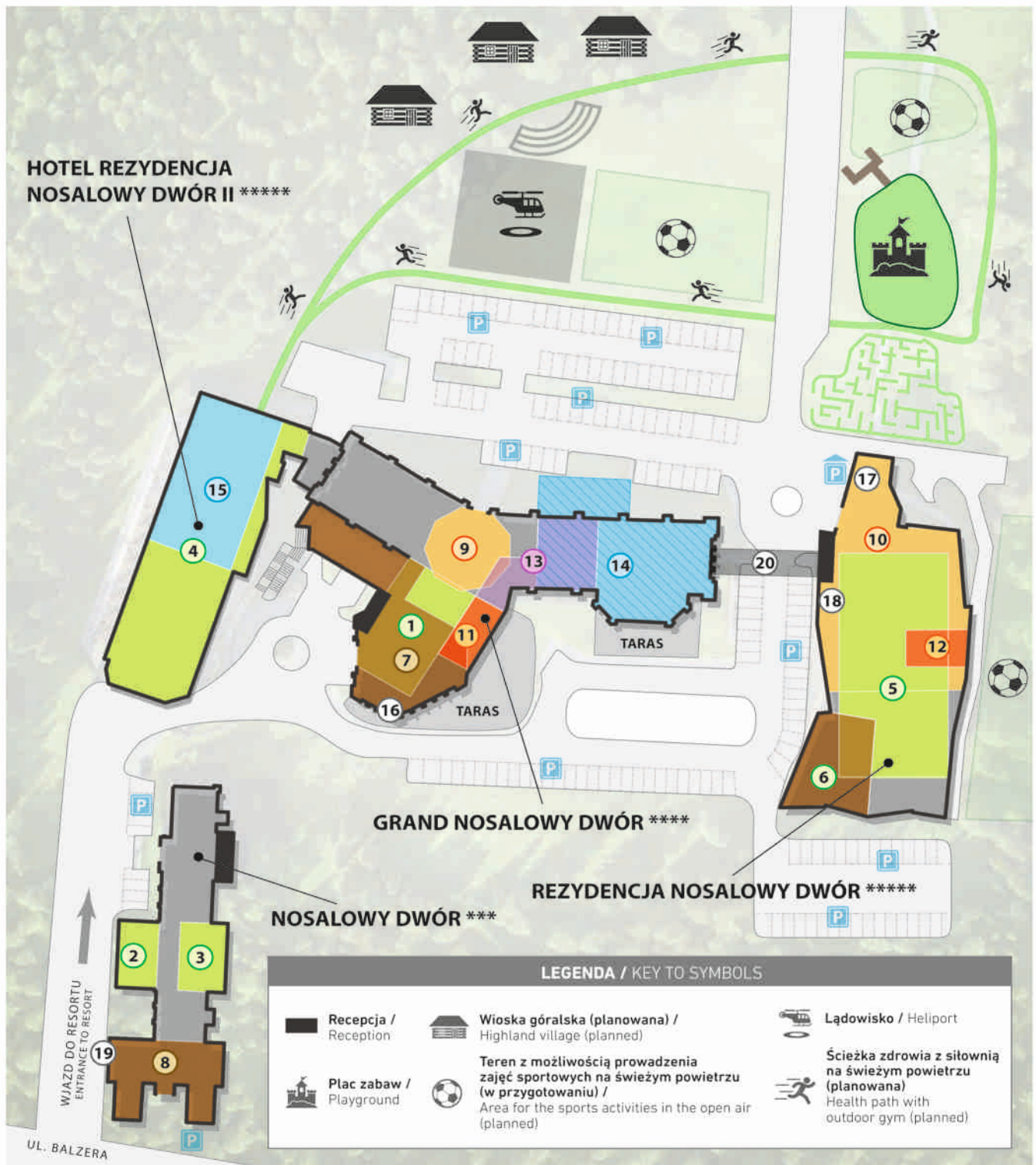
At the heart of the Polish Tatras, we have created the perfect place to rest. Various needs, various attractions, various offers - all in one place, inside the unique Nosalowy Dwór Resort.

Nosalowy Dwór is more than just a hotel complex located near the Nosal Ski Center, it's a space designed for rest. The space where emotions happen, while the offers adapt to the individual expectations of our guests.

The resort consists of four unique facilities: Rezydencja I Nosalowy Dwór, Rezydencja II Nosalowy Dwór, Hotel Grand Nosalowy Dwór and Hotel Nosalowy Dwór.

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1 CENTRUM KONFERENCYJNE „RYSY”
“RYSY” CONFERENCE CENTER
piętro / level -1

2 SALA WERANDOWA
WERANDOWA CONFERENCE ROOM
piętro / level 0

3 SALA OLIMPIJKA
OLIMPIJKA CONFERENCE ROOM
piętro / level 0

4 CENTRUM KONGRESOWE „GERLACH”
“GERLACH” CONGRESS CENTER
piętro / level 0

5 VIP BUSINESS LOUNGE „GIEWONT”
VIP BUSINESS LOUNGE “GIEWONT”
piętro / level 6



6 RESTAURACJA REZYDENCJA
REZYDENCJA RESTAURANT
piętro / level 0

7 RESTAURACJA GRAND
GRAND RESTAURANT
piętro / level 1

8 RESTAURACJA REGIONALNA
REGIONAL RESTAURANT
piętro / level 1



9 KAWIARNIA PANORAMIKA
PANORAMIKA CAFE
piętro / level 5

10 KLUB NOCNY I KRĘGIELNIA
(planowane)
NIGHTCLUB AND BOWLING ALLEY
(planned)
piętro / level -2



11 KLUB ZABAW PINOKIO
PINOKIO PLAYROOM
piętro / level 0

12 KLUB ZABAW STONOGA
STONOGA PLAYROOM
piętro / level 0



14 STREFA WELLNESS:
BASEN, SIŁOWNIA, SAUNA
WELLNESS ZONE: BASEN,
SIŁOWNIA, SAUNA
piętro / level -1

15 SIŁOWNIA ORAZ SALA DO ĆWICZEŃ
(w budowie)
GYM AND EXERCISE ROOM
(under construction)
piętro / level 6



13 KLINIKA LA PERLA SPA
(GABINET MEDYCYNY ESTETYCZNEJ,
SPA PRESTIGE ROOM) I SALON
FRYZJERSKI BIZARRE
KLINIKA LA PERLA SPA
(MESSAGE AESTHETIC MEDICINE,
SPA PRESTIGE ROOM),
“BIZARRE” HAIRDRESSER
piętro / level 0



Lądowisko / Heliport



Ścieżka zdrowia z siłownią
na świeżym powietrzu
(planowana)
Health path with
outdoor gym (planned)



16 BUTIK
STORE
piętro / level 0

17 NARCIARNIA,
WYPOŻYCZALNIA ROWERÓW
SKI STORAGE, BICYCLE RENTAL
(seasonally)
piętro / level 0

18 WYPOŻYCZALNIA SAMOCHODÓW BMW
BMW CAR RENTAL
piętro / level 0

19 WYPOŻYCZALNIA NART
(sezonowo)
SKI RENTAL
(seasonally)
piętro / level 0

20 PRZEWIĄZKA
SKY BRIDGE
Hotel Grand - piętro / level 1
Hotel Rezydencja - piętro / level 3



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