



INTERNATIONAL
CONFERENCE
FOR ALPINE RESCUE

ICAR 2018

CHAMONIX FRANCE 17 > 20 OCTOBRE 2018



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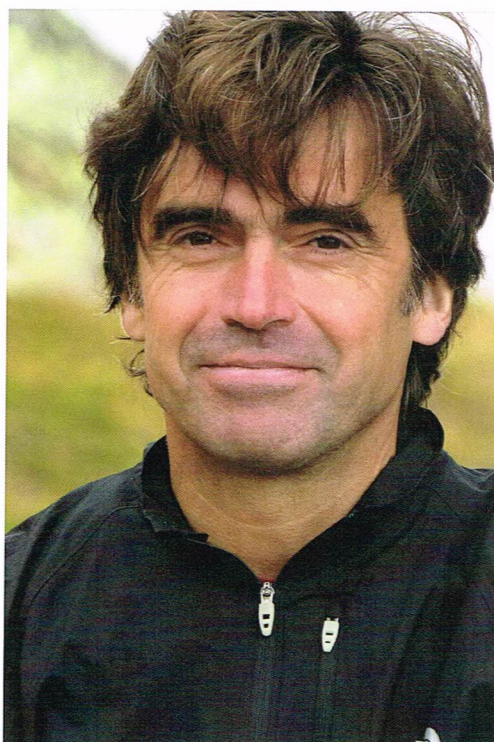
BIENVENUE

WELCOME

MAIRE DE CHAMONIX / MAYOR OF CHAMONIX

↳ **Eric FOURNIER**

Maire de Chamonix Mont-Blanc / Mayor of Chamonix-Mont-Blanc



La commune de Chamonix Mont-Blanc est heureuse et fière d'accueillir cette 70^{ème} conférence ICAR.

Bien entendu, Chamonix est intimement lié à l'histoire de l'alpinisme, à ses exploits, mais également à ses drames, à des opérations de secours qui ont pu parfois faire la une des médias.

L'évolution des conditions de la montagne à l'œuvre depuis plusieurs années en raison du changement climatique, a déjà et aura demain davantage encore des impacts sur les secours que la communauté montagnarde aura à réaliser. Les instabilités de nos parois interrogent la pratique de l'alpinisme et ses nécessaires adaptations, d'autres activités se développent...

Face à ces nouveaux enjeux, il apparaît essentiel que les secouristes en perçoivent au mieux les conséquences sur leurs missions, sur leurs pratiques.

Pour ce faire, la Conférence ICAR qui vous rassemble (37 pays présents) revêt à mes yeux une dimension exceptionnelle, une occasion majeure pour amplifier ces échanges sur les techniques, les modes opératoires, et préparer les secouristes à mieux appréhender les évolutions à venir et la complexité des situations à gérer.

La mobilisation sans faille du « groupe France ICAR » pour vous accueillir à CHAMONIX témoigne de cette dimension.

The municipality of Chamonix-Mont-Blanc is pleased and proud to host the 70th ICAR conference.

Chamonix is closely associated with the history of mountaineering and its great achievements, but its tragedies and rescue operations have also frequently made the headlines.

For several years now, climate change has had an impact on mountain conditions, and rescue operations will likely continue to increase in mountainous areas. The instability of the ice and rock faces raises questions regarding the practice of mountaineering and the necessity for it to adapt and evolve; other activities are developing...

It appears essential for rescue workers to gain the clearest possible idea of the consequences that these new challenges may have on their duties and practices.

I perceive this ICAR Conference, which has brought you all together in Chamonix (37 countries present), as an exceptional gathering, a major opportunity for a widescale discussion and the sharing of knowledge regarding operating techniques and methods; it is also the chance for emergency workers to better understand and prepare for future developments and the handling of complex situations.

The unfailing mobilisation of the "French ICAR group" welcoming you here in CHAMONIX reflects the spirit of this event.



In the name of the ICAR Executive Board I would like to welcome you in Chamonix France. 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 70-year-history, that the International Commission for Alpine Rescue (ICAR) is coming to Chamonix for its annual congress. Chamonix belongs to the three famous and historic "Playgrounds" of the alps, where the alpinism and the alpine tourism started in the 19th century. Out of my point of view, these three places are Chamonix with the north ridges of the grand Grandes Jorasses and certainly the Montblanc, Zermatt with the Matterhorn and its north face and Grindelwald with the Eiger and its north face. Those three places where also the birthplace of the mountain guide profession and until today the mountain guides of Chamonix, Zermatt and Grindelwald are proud to be one of them.

Our last congress took place in Soldeu Andorra. We keep the warm welcome of the Bombers d'Andorra / Grup de Rescat de Muntanya (DEPEIS-GRM) in our memories. Thanks again to our friends from Andorra.

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.

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 here.

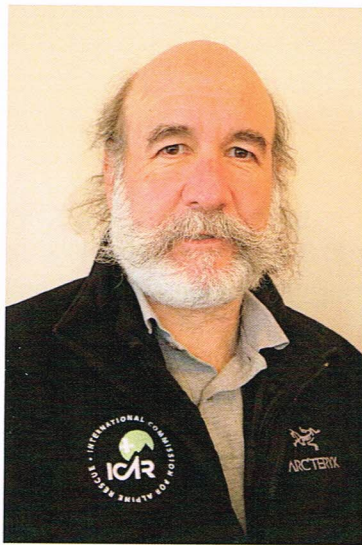
COMMISSIONS



COMMISSION TERRESTRE / TERRESTRIAL RESCUE COMMISSION

» Gebhart BARBISCH

Président de la commission terrestre / *President of Terrestrial Rescue*



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 French Members in Chamonix. They built up an excellent organizing committee in order to prepare a perfect environment for our convention.

As every year, intensive cooperation and the willingness to work together will be the basis for a successful meeting here in Chamonix.

This year's practical session is organized and supervised by the ICAR Avalanche Rescue Commission. This practical day will be held on Friday and will also include many themes which are interesting for us mountain rescuers.

The main theme this year is «Climate change and the influence to our rescue operations».

For our congress meetings we will have a good mix of topics. As last year, we will also have some joint meetings with other commissions to interact with them and for a mutual understanding of our challenges. We will increase the work together with other commissions to find best practices for our rescue operations.

I am sure, it will be very interesting for all of us, when our friends present us their way of bringing their rescues to a good end.

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 do our errors twice!

Eliminating all errors and risk in rescue operations may not be realistic, as we would have to stop all our missions just to avoid any possible errors. However, we should strive to extend the time between our errors. This is every year our goal and we have to work hard for it.

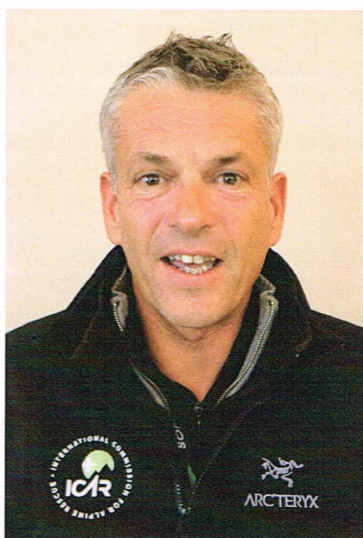
I look forward to meet you again and to learn from your experiences and I am sure, that we will have a congress with good presentations and many positive discussions and constructive interactions, so that we all can go home at the end with a full basket of new knowledge.



COMMISSION AVALANCHE / AVALANCHE COMMISSION

» **Dominique LÉTANG**

Président de la commission avalanche / Directeur de l'ANENA (Association Nationale pour l'Étude de la Neige et des Avalanches) / *President of Avalanche Rescue Commission / Chief of the French avalanche association (ANENA)*



The French Mountain Rescue Group is very happy to host the ICAR congress for its 70th anniversary, here, in Chamonix. I am proud and honoured to receive the members of the avalanche commission at the foot of such a prestigious mountain, the Mont-Blanc.

But, unfortunately, the condition of this mountain - as others mountains over the world - is deteriorating. The main topic of our conference on climate change and the impact it could have on rescue operations, is really timely. Several fatalities, or serious accidents, occurred last summer in this area, due to rock falls or landslides, reminding us the challenges for the future.

The mountain is changing, so we need to change our approach, we must evolve it, in order to improve our own safety.

Everything has been done to offer you a relevant program. I planned some long sessions of exchanges through workshops of reflection in order to elaborate upcoming recommendations.

We will also have a practical day on Friday, with a rotation system between the different workshops, including one of them dedicated to manufacturers.

I would like to thank all the people who have been involved during recent years in the working group: «Best practice in avalanche rescue». This group is now over and I'm counting on you to find together other subjects.

Be assured of my full involvement in our commission.

I wish all of you, the commission members, the organizers, the volunteers, the developers and the manufacturers, a really rich congress.

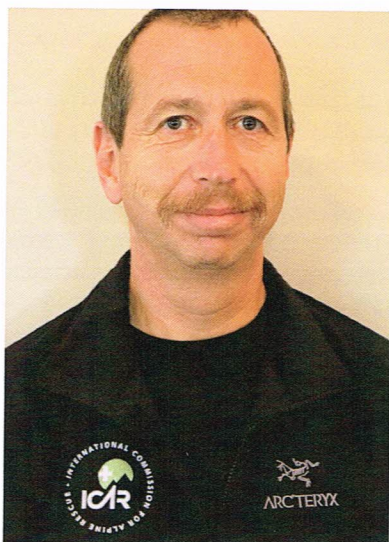
COMMISSIONS



COMMISSION AÉRO / AIR RESCUE COMMISSION

► Patrick FAUCHÈRE

Président de la commission aérienne / *President of the Air Rescue Commission*



Welcome to Chamonix!

Dear members of the Air Rescue Commission, dear sponsors, exhibitors and manufacturers, dear guests and dear friends of the ICAR, Together with all French ICAR Members: ANENA, ENSA, FFME, GSM, we are looking forward meeting you and sharing with you some time during our annual conference held this year in Chamonix.

Our challenges: trying to find common solutions to different operations, different types of helicopters but with one common goal: helping people in need and guaranteeing the safety of our rescuers.

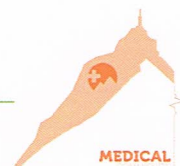
Our main topic for 2018: Influence of Climate Change to Mountain Rescue Operations. In collaboration, with all other commissions, all aspects of such operations will be approached and we will share our experiences and updated techniques and procedures. The climate change is reality and rescuer are facing huge challenge like flood, fire, big avalanches, mud and rock fall, strong winds, etc.

The ultimate goal is to give our best while the rescue personnel stays at all time in the safest position possible.

The passion that livens up the rescuers, the devotion and desire to carry out rescues are what drives the members of ICAR.

Thank you all for your commitment, for your participation and I wish you a fruitful conference here in Chamonix.

On a more personal point of view, time has come for me after 20 years of ICAR membership and 10 years as president of the ARC to step down. I had 20 fantastic years within this great rescuer community allowing me to share but also to learn so much from ICAR. Without you and your amazing commitment, it would not have been possible and I can only encourage you all to participate, contribute to ICAR, thank you for your friendship, happy landings and stay safe.



COMMISSION MÉDICALE / MEDICAL COMMISSION

» John ELLERTON

Président de la commission internationale pour la médecine d'urgence en montagne / *President of the International Commission for Mountain Emergency Medicine (ICAR MEDCOM)*



Dear colleagues

ICAR MEDCOM is delighted to meet in Chamonix for its fall meeting and Congress. It is always a great pleasure to return to Chamonix, one of the world's iconic mountain settings where alpinism was born and developed. There is so much history here that is mirrored in the raw grandeur of the tumbling glaciers that fall towards the town. For those of us returning there will also be trepidation. As we recall ICAR's main theme – 'the effect of climate change on mountain rescue', we will look for those white streaks and remember them fatter and longer; so recent has been the change. ICAR Medcom members may also have a tear in their eye, as they remember that one of the best-known Mountain Rescue Doctors, Dr 'Manu' Cauchy, can't be here to stimulate and challenge us. Here, above his home town, he was taken by an avalanche too young earlier this year. Every meeting with the 'Docteur Vertical' was an experience that was etched into your memory forever.

Our programme this year builds on a vision that I set out for ICAR Medcom last year. You will find our work will be condensed and intense as we develop our ideas on 'Determination of death', 'Multi-trauma management' and 'Medical quality indicators in avalanche missions'.

Pressure on time has led us to try a parallel session on Thursday as a group split off to discuss the Diploma in Mountain Medicine – our joint (and very successful) venture with UIAA Medcom and the International Society for Mountain Medicine. To complement these sessions, we have an interesting series of presentations covering many areas of mountain rescue. The quality of these, and the discussion we will have, will be a highlight for many participants. Has inhalation analgesia a role in mountain rescue? What is snow submersion asphyxia? We will also develop our projects looking at the psychosocial health of mountain rescuers and a register of rescuer deaths. The former is a long-neglected subject. The latter is cogent in better understanding human factors in accidents and, most importantly, focusing 'Crew Resource Management' training that has become popular in recent years.

On Friday, ICAR is experimenting with incorporating the practical day into the main programme.

We are promised a very stimulating series of workshops run with military precision as we ascend to high altitude and experience a significant temperature drop. My thanks go to Marc Blancher and his French colleagues, and the Medcom members that will run the stations. It can be a thankless task repeating a station xx times, particularly if the weather is inclement.

However, I can reassure you that the lessons learnt are greatly appreciated. On Saturday our focus again turns to stimulating those in ICAR that are less concerned with medical matters.

Here our experienced campaigners will present cutting edge topics including 'an old drug making a comeback', the HOPE score, and a snazzy video of the 'X-cube'. We will also try to explain where we are going with the psychosocial health of rescuers and their deaths. Not a particularly uplifting end to a Congress!

I am excited to be in charge of my first fall meeting. It can be quite daunting having two past Presidents in the room. I know that I can rely on you all to work hard to make the meeting a success and cover up my mistakes and indiscretions. Success can be measured in forming new happy memories – 'human factors' as well as the more concrete knowledge. Most importantly, we work to help those who need our help in the mountains. So, for those of you reading this on Tuesday night, get to bed now and wake bright and early tomorrow morning. I look forward to welcoming you in our room in the Alpina Eclectic Hotel.

COMMISSIONS



SOUS-COMMISSION MAÎTRES-CHIENS / DOG-HANDLERS SUB-COMMISSION

▸ **Marcel MEIER**

Président de la sous-commission maîtres-chiens / *President of the Dog-Handlers sub-commission*



Dear dog-handlers and friends, dear delegates!

Many thanks to the organizers ANENA, ENSA, FFME, and GSM for the friendly invitation to the congress in Chamonix.

Our main topic, influencing climate change has come to our notice very clearly this summer. For the rescuers and the dogs, the great heat in searches was a real challenge.

Very interesting lectures await us at the upcoming congress. We will review the past avalanche dog-handler course held last April in Passo Rolle. 51 doghandlers attended the course. On Thursday morning we will work with the dogs from our French colleagues.

Two other main topics will be the preparation of recommendations and prevention!

I'm convinced that we will have a very extensive and interesting program and I'm looking forward to a successful and exciting congress.

I wish all delegates an eventful and safe journey.

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Resilience. We make it fly.



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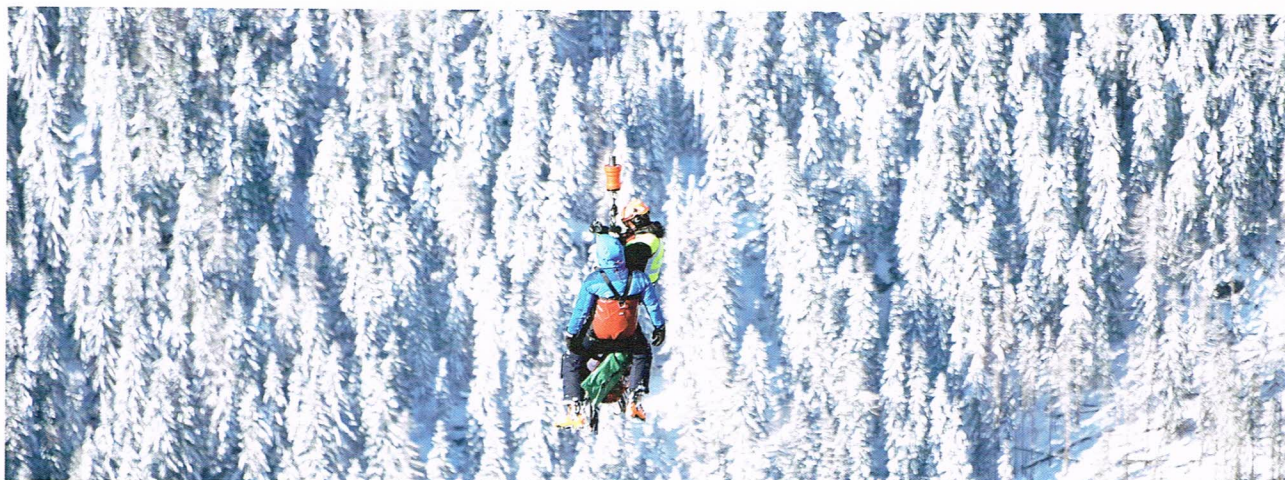


LE SECOURS EN MONTAGNE EN MOUNTAIN RESCUE IN FRANCE



« En France, le secours en montagne est organisé majoritairement par l'Etat. La police, avec les unités montagne des Compagnies Républicaines de Sécurité (CRS), les Pelotons de Gendarmerie de (Haute) Montagne (PGHM ou PGM), et le Groupe Montagne des Sapeurs-Pompiers (GMSP) se partagent cette mission. Ils sont accompagnés par des médecins urgentistes hospitaliers formés au secours en montagne.

Mountain rescue in France is for the most part a public service conducted by government agencies. These include the police mountain units of the Compagnies Républicaines de Sécurité (CRS), the gendarme mountain and high mountain groups (PGM and PGHM) and the mountain group of the fire and rescue service (GMSP). They are accompanied by emergency doctors who have been trained in mountain rescue techniques.



La France compte 22 départements avec une organisation pour le secours en montagne. Sur l'ensemble des massifs et selon les départements, les services de secours interviennent soit en alternance hebdomadaire, soit en se répartissant le territoire, soit en mixité. Ce service public est gratuit pour les personnes secourues, il est pris en charge par l'État. Les domaines skiables constituent la seule exception. Les pisteurs-secouristes, sous la responsabilité de la commune, proposent des prestations privées de secours et d'évacuation qui peuvent donner lieu à facturation.

There are 22 regions in France where mountain rescue services operate. In some areas two or three rescue services take turns on a weekly basis. In other areas the territory has been divided into different zones which are covered by separate services. Some of these zones are covered by mixed service teams. Rescues carried out by these services are free of charge, only financed by the government. Rescues in ski resorts, however, are mostly carried out by the ski patrol service which is under the authority of the municipality. These rescues must be paid for by the user, with prices being set by the local council.



L'HISTOIRE A FAÇONNÉ L'ORGANISATION DES SECOURS.

FRANCE'S MOUNTAIN RESCUE TEAMS HAVE BECOME INCREASINGLY PROFESSIONALISED OVER THE PAST 60 YEARS.

➤ A la fin du 19^e siècle, les « Sociétés de secours », bénévoles, ont progressivement vu le jour, constituées de guides de montagne et de montagnards locaux. Les difficultés d'organisation rencontrées lors de plusieurs opérations de sauvetage, notamment le décès dramatique de deux jeunes alpinistes, Jean Vincendon et François Henry, sur le Mont Blanc au cours de l'hiver 56-57, ont conduit à la professionnalisation des secours.

➤ Ainsi, en 1958 par la circulaire du 21 août, le ministre de l'Intérieur confie l'organisation du secours en montagne aux préfets. Ces derniers ont pris la direction des acteurs en place, définissant leur rôle opérationnel. La Haute-Savoie est le seul département dans lequel les Sociétés de secours en Montagne jouent encore un rôle majeur. Elles épaulent les sauveteurs professionnels, venant en renfort à l'occasion d'opérations terrestres ou de recherches en avalanches. Elles gèrent pour certaines, comme La Chamoniarde, les réseaux radios d'alerte et de secours en montagne et s'impliquent dans la prévention des risques en montagne.

➤ *Towards the end of the 19th century, voluntary rescue teams were formed in many areas, including mountain guides and local mountaineers. However, the difficulty of organising some rescue missions, most notably the failed operation to rescue Jean Vincendon and François Henry on Mont Blanc during the winter of 1956-57, led to the professionalization of mountain rescue.*

➤ *In 1958, the minister for home affairs delegated the responsibility for mountain rescue to regional governors, who used existing structures to provide permanent cover. Haute Savoie is the only French department where voluntary teams still play a major role. They support professional teams during terrestrial rescue operations and avalanche searches. Some, such as La Chamoniarde, also manage the emergency radio networks and are involved in accident prevention.*



LE SECOURS EN MONTAGNE EN FRANCE

MOUNTAIN RESCUE IN FRANCE

FORMATION

TRAINING

➤ Gendarmes et CRS suivent une formation similaire de sauvetage, qui dure une quarantaine de semaines. La formation des sapeurs-pompiers, modulaire, répond aux exigences auxquelles les secouristes doivent faire face localement. Indépendamment de l'organisation, ils disposent tous d'une formation généraliste qui les qualifie pour tous les types d'interventions. Ainsi, leurs compétences leur permettent d'effectuer une opération hélicoptérée ou de partir dans un canyon.

➤ *Gendarmes and police rescuers follow similar training courses which last about 40 weeks. The fire and rescue service course is modular and adapted to local requirements. Every rescue worker follows a general training programme which qualifies them to participate in all types of mountain rescue operation, whether that be a helicopter rescue or a canyon descent.*



MOYENS HÉLIPORTÉS ET INTERVENTIONS

HELICOPTERS

➤ Les hélicoptères nécessaires aux interventions peuvent être mis à disposition soit par les sections aériennes de la Gendarmerie Nationale, soit par la Sécurité Civile. Le cas échéant, des entreprises privées peuvent être appelées en renfort et engager des hélicoptères supplémentaires. Un équipage est composé d'un pilote, d'un mécanicien treuilliste, de deux secouristes et d'un médecin du secours en montagne.

➤ *Helicopters are provided by the air branch of the Gendarmerie Nationale or the Sécurité Civile. In some cases, private helicopters may be called upon to provide additional cover. A standard rescue team is composed of a pilot, a winch operator, two rescue workers and an emergency doctor.*



MÉDICALISATION DES INTERVENTIONS /

MEDICAL PERSONNEL

➤ 75% des missions de secours nécessitent une médicalisation. En France, des médecins spécialisés en médecine d'urgence assurent des permanences dans les bases de secours. Ils ont, en plus de leur formation médicale, une formation initiale spécifique au secours en montagne de 4 semaines au minimum. Puis une formation continue.

➤ 75% of rescue operations require the provision of medical treatment. In France, this is carried out by doctors who take turns to provide permanent cover. As well as being fully-qualified emergency doctors, they must follow a mountain rescue course which lasts a minimum of four weeks. Once qualified, they have to participate in continued professional development courses.



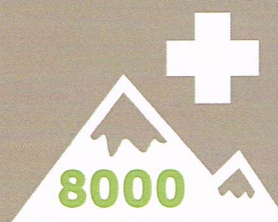
QUELQUES CHIFFRES

Près de 8000 personnes ont été secourues en France en 2017.

La randonnée représente l'activité sportive qui génère le plus de travail pour les secouristes. Viennent ensuite deux disciplines l'alpinisme et le VTT. Les parapentistes et adeptes du deltaplane ainsi que les skieurs de randonnée impliquent moitié moins de sauvetages. Les interventions des services publics pour les activités de glisse sur neige dans le périmètre des domaines skiables, appelés par les services des pistes ou indépendamment, comptent pour environ 12% du total annuel.

En 2017, en France, 205 personnes secourues sont décédées. Si on examine les décès sur une longue période, les chiffres restent relativement constants, alors que le nombre de pratiquants des sports de montagne augmente. Ceci s'explique notamment par l'efficacité du secours en montagne et l'important travail de prévention.

en
in 2017



PRÈS DE 8 000 PERSONNES
SECOURUES EN FRANCE
EN 2017.

RESCUES carried out
in the Haute-Savoie
department of France.



47%



14%



12%



12%



5,5%



6%



3,5%



PERSONNES SECOURUES ET DÉCÉDÉES
PEOPLE DIED BEFORE, DURING OR AFTER
A RESCUE OPERATION

SOME STATS

Hiking is the activity that generates the most rescues, followed by mountain-biking and alpine climbing. Rescues for para/hang gliding and ski-touring incidents are only half as frequent. Public service rescues in ski resorts, requested either by ski patrols or members of the public, amount to approximately 20% of the annual total.

In 2017, 205 people died before, during or after a rescue operation. This figure has remained stable for a long time, despite an increase in the number of participants in mountain sports. Thanks to the effectiveness of the mountain rescue services, and the work that is being done in accident prevention.

COMITÉ D'ORGANISATION



« Le « Groupe France » du secours en Montagne assure l'organisation du congrès avec des représentants de l'ENSA, de l'ANENA, de la Chamoniarde, de la FFME, et du Groupe Secours en Montagne rassemblant les médecins et secouristes en montagne de la gendarmerie (PGHM), de la police (CRS), des sapeurs-pompiers (GMSP), des équipages d'hélicoptères de la gendarmerie et de la sécurité civile.

ENSM

École Nationale des Sports de Montagne
National School for Mountain Sports

Créée en 2010 et placée sous tutelle du ministère des Sports, elle est l'opérateur unique pour la formation des professionnels de la filière montagne : ski alpin et nordique, pisteurs-secouristes, alpinisme, moyenne montagne, vol libre et entraînement du haut-niveau nordique. C'est un établissement au cœur des sports de montagne qui regroupe 2 sites historiques et uniques : l'École Nationale de Ski et d'Alpinisme (ENSA) à Chamonix, créée en 1945, et le Centre National de Ski Nordique et de Moyenne Montagne (CNSNM) à Prémanon. Les principales missions de l'ENSM sont la formation des professionnels de la filière montagne, la diffusion des méthodes d'enseignement, l'entraînement et le suivi socio-professionnel des sportifs de haut-niveau, la recherche, l'expertise, la ressource documentaire et les relations internationales.

The ENSM was created in 2010 and placed under the responsibility of the ministry for sport. It is the only school in France authorised to train mountain sports professionals ie. cross-country and alpine ski instructors, ski patrollers, high mountain guides, hiking leaders, para/hang gliding instructors, and elite cross-country ski competitors. It plays a central role in overseeing the management of mountain sports at a national level. It consists of two separate structures: the National School of Skiing and Alpinism (ENSA) which has been based in Chamonix since 1945, and the National Centre for Nordic Skiing and Mid-Mountain Sports (CNSNM) which is based in Prémanon in the Jura mountains. The ENSM's main roles include the training of mountain sports professionals, the diffusion of its teaching methods, the coaching and socio-professional monitoring of elite athletes, research, consultancy, information management and the promotion of international relations.

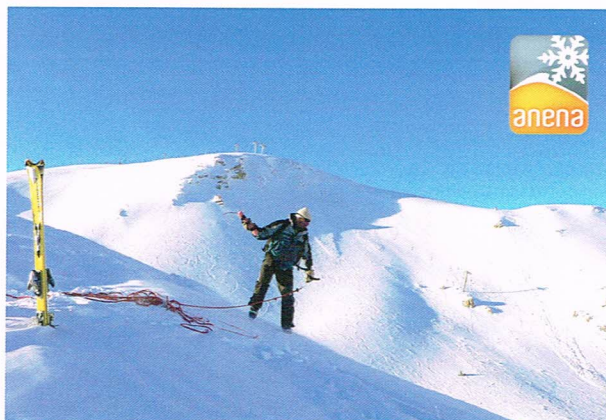


ANENA

Association Nationale pour l'Étude de la Neige et des Avalanches
National Association for the Study of Snow and Avalanches

Créée en 1971, l'ANENA a pour objectif de faire progresser la sécurité liée à la neige et aux avalanches par la prévention des risques. Association reconnue d'utilité publique depuis 1976, l'ANENA compte aujourd'hui près de 1000 membres, personnes physiques ou organismes, publics ou privés, dont 150 étrangers, intéressés par les problèmes posés par les avalanches. L'ANENA s'est fixée trois missions prioritaires : former et recycler les professionnels de terrain, dont la sécurité dans le domaine des avalanches est le métier ou dont l'environnement professionnel se situe en milieu enneigé ; former les pratiquants, l'ANENA propose des formations de tous niveaux, de la découverte jusqu'à l'autonomie, pour la sécurité avalanche ; Informer et sensibiliser le grand public - en réalisant ses propres supports de documentation et de communication : Conférences, événements, sites Internet, documents pédagogiques, revue trimestrielle « Neige et Avalanches ».

ANENA was created in 1976 and recognized as being of public utility the same year. Its main role is to further snow and avalanche safety through preventative measures. It currently has almost 1000 members, including individuals and private and public organizations. 150 of these are from outside France. All are involved in avalanche-related issues. ANENA has three main objectives: to train snow and avalanche professionals (These are people who work in avalanche safety, or in a winter environment); to educate winter sports enthusiasts (ANENA offers avalanche courses at all levels, from beginner to autonomous) To inform and educate the public (ANENA publishes a number of documents including training booklets, leaflets, a website and a tri-monthly review. It also organises conferences and other events).



« This year's annual congress is being organized by the French members of ICAR, with representatives from ENSA, ANENA, La Chamoniarde, FFME, and the Mountain Rescue Group, which comprises rescue workers and doctors from the PGHM (gendarmes), the CRS (police), the GMSP (fire and rescue service) and helicopter crews from the Gendarmerie Nationale and the Sécurité Civile.

LA CHAMONJARDE

Société de Prévention et de Secours en Montagne / Non profit organization for mountain rescue and risk prevention

La Chamoniarde contribue au développement de la sécurité en montagne en faisant partager les compétences et expériences de chacun. L'association regroupe l'ensemble des acteurs du secours en montagne dans le massif du Mont-Blanc. Elle s'implique au quotidien dans la sensibilisation et la prévention des risques liés aux pratiques via l'Office de Haute Montagne, le Pôle Montagne Risk et par la formation des pratiquants sur le terrain. Société de secours hors norme et historique, elle gère le réseau radio opérationnel de secours en montagne S.A.M.B, elle met en place des exercices de secours grande nature ou transfrontaliers avec le PGHM de Chamonix et elle développe avec ce dernier de nouveaux matériels et procédures de secours. Les secouristes de La Chamoniarde, membres bénévoles et professionnels de la montagne (guides, pisteurs secouristes), sont également amenés à être appelés en renfort en cas de besoin et assurent des postes de secours sur des événements en montagne.

La Chamoniarde brings together all the main elements of mountain rescue in the Mont Blanc area, and contributes to mountain safety by sharing the expertise and experience of each one. It exercises its role daily through the Office de Haute Montagne and the Pôle Montagne Risk (information services located in the center of Chamonix), and by offering training courses for amateur climbers and skiers. La Chamoniarde has played an important role in the Chamonix valley for many decades. It manages a radio network dedicated to mountain rescue (SAMB), organizes simulated avalanche exercises with the PGHM and rescue organizations from neighboring countries, and collaborates with the PGHM to develop equipment and techniques. La Chamoniarde rescue team includes amateur climbers and professional mountain guides and ski patrollers. They can be called in to support the professional rescue team and provide first-aid cover at mountain events.



PGHM

Peloton de Gendarmerie de Haute Montagne / Gendarmerie mountain rescue team

Implanté depuis 1958 au pied du massif du Mont-Blanc, le Peloton de Gendarmerie de Haute Montagne de Chamonix a été le précurseur d'un réseau d'unités de la Gendarmerie Nationale spécialisées dans le secours en montagne qui compte aujourd'hui 20 pelotons couvrant l'ensemble des massifs montagneux français.

Les missions du PGHM sont multiples. Il centralise les alertes, organise les liaisons opérationnelles, effectue les secours et diligente les enquêtes relatives aux accidents de montagne. Acteur incontournable, il participe aux diverses commissions de sécurité, contrôle le respect des réglementations et réalise des expertises à l'occasion d'enquêtes liées à la pratique de la montagne. Il joue par ailleurs un rôle essentiel pour la prévention, notamment dans le massif du Mont-Blanc avec La Chamoniarde. Depuis 1958, le PGHM de Haute-Savoie a effectué plus de 39 200 interventions. Le PGHM de Chamonix en effectue environ 850 par an sur le seul massif du Mont Blanc.

The Chamonix PGHM, created in 1958, was the first unit of the Gendarmerie Nationale dedicated to mountain rescue. There are now 20 different PGHM units throughout the French mountains.

Their roles include centralizing rescue alerts, managing rescue operations, participating in rescues, and investigating the causes of accidents. They are not only a crucial element of the rescue response, but are also involved in safety commissions, enforcing mountain legislation, and providing expertise for public surveys on mountain issues. The PGHM are also involved in accident prevention, mostly notably alongside La Chamoniarde in the Mont Blanc range. Since 1958 the Haute Savoie PGHM has carried out over 39,200 rescue missions. The Chamonix unit conducts around 850 rescues each year in the Mont Blanc range alone.





LE COMITÉ D'ORGANISATION ORGANIZING COMMITTEE

CRS DU SECOURS EN MONTAGNE

CRS mountain rescue team (police)

Les CRS se spécialisent en montagne après guerre, en surveillant les frontières des Alpes et des Pyrénées. Sur place, ils participent aux caravanes de secours constituées lors d'accidents en montagne et se joignent aux associations, comme la Chamoniarde. Dès 1955 ils créent un centre de formation, le CNEAS, et en 1958 sont désignés, avec la gendarmerie, pour assurer le service public de secours en montagne. Actuellement, ils sont 190 policiers (dont 2 femmes, 70 guides de haute montagne, 68 chefs d'opération), répartis entre les CRS Alpes (Grenoble, Albertville, Briançon, Nice) et Pyrénées (Lannemezan, Perpignan). En 2017, ils ont porté secours à 2400 personnes en montagne, effectuant également les enquêtes judiciaires. À Chamonix, le CNEAS assure leur formation complète, ainsi que celles des partenaires : chiens d'avalanche Gendarmerie et Sécurité Civile, médecins du secours en montagne, services anti-terroristes pour l'intervention de police en hauteur (RAID, BRI, etc).

The CRS have had specialist mountain units since the end of WWII, when they were tasked with monitoring the border zones of the Alps and the Pyrenees. At that time, they would assist in terrestrial rescues and collaborated with rescue associations such as La Chamoniarde. In 1955, they created a mountain training school (CNEAS), and in 1958 were officially given the role of providing a public mountain rescue service alongside the PGHM. There are currently 190 police officers involved in mountain rescue, including two women, 70 mountain guides, and 68 operational chiefs. The Alpine division of the CRS has bases in Grenoble, Albertville, Briançon and Nice, while the Pyrenees division is based in Lannemezan and Perpignan. In 2017, they rescued 2400 people, and also took part in judicial investigations.

The CNEAS is located in Chamonix and is responsible for dispensing the mountain rescue training programme. They also train avalanche rescue dogs from the Gendarmerie Nationale and the Sécurité Civile, mountain rescue doctors and provide rope access training for anti-terrorist units such as the RAID and the BRI.



GMSP GROUPE DE SECOURS EN MONTAGNE DES SAPEURS-POMPIERS

Fire service/ mountain rescue team

Le Groupe de secours en montagne des sapeurs-pompiers (GMSP) est un groupe spécialisé du Service départemental d'incendie et de secours (SDIS) de la Haute-Savoie, en charge des missions de secours en montagne dans l'ensemble des massifs montagneux ainsi que dans toutes les zones d'accès difficile du département et en renfort dans le massif du Mont-Blanc. Il est composé de sapeurs-pompiers professionnels et volontaires, la plupart professionnels de la montagne (guides de haute-montagne, pisteurs-secouristes...) Le GMSP dispose également de médecins spécialisés dans la prise en charge médicale en montagne et de maîtres-chiens d'avalanche. En mixité avec le Peloton de Gendarmerie de Haute-Montagne, il assure ses permanences de secours aux bases de la sécurité civile d'Annecy et de la gendarmerie à Chamonix. Il participe également aux missions de prévention en collaboration avec les autres partenaires du secours en montagne, les fédérations de sports de montagne ou de vol libre.

The GMSP is a specialized unit of the Haute-Savoie fire and rescue service. It is tasked with providing rescue cover in all the department's mountain ranges and in all locations where access is difficult. It supports the PGHM in the Mont Blanc range. The unit is composed of full and part-time fire fighters, most of whom are qualified mountain professionals such as guides, ski patrollers etc. It also has emergency doctors and avalanche dog handlers. Mixed teams of gendarmes and fire fighters operate from the Sécurité Civile base in Annecy, and the PGHM base in Chamonix. The GMSP is also involved in accident prevention, working alongside other mountain rescue organizations, and the national climbing and para/hang-gliding federations.



FORCES AÉRIENNES DE LA GENDARMERIE

Gendarmerie Nationale Air Command

Depuis 60 ans, pour accomplir les missions de sauvetage, d'assistance aux personnes et de sécurité publique, le Commandement des Forces Aériennes de la Gendarmerie nationale forme et affecte des pilotes et des mécaniciens de bord en montagne.

Les équipages ont satisfait aux critères de sélections et à des formations exigeantes délivrées au Centre de Vol en Montagne Gendarmerie à Briançon. Ainsi, depuis 1958, dans les Alpes du Nord à partir des bases de Lyon, Megève, Chamonix et Modane, pilotes et mécaniciens se sont succédés aux commandes des hélicoptères Alouette II, Alouette III et maintenant EC 145 afin d'assurer les missions de secours en montagne.

Depuis 1999, les équipages EC 145 de la section aérienne gendarmerie de Chamonix ont secouru 14 740 personnes. En alerte permanente (H24), ils répondent de jour et de nuit à toutes les missions de secours, de police administrative et de police judiciaire.

For the past 60 years the Gendarmerie Air Command has trained its pilots and winch operators to operate in the mountain environment. This enables them to fulfil their role in rescuing and assisting the public.

Candidates must pass rigorous selection tests and complete a demanding training programme which is delivered by the gendarmerie's mountain flying center in Briançon. Since 1958, in the northern Alps, helicopter crews have been flying from bases in Lyon, Megève, Chamonix and Modane. Initially they flew rescue missions with Alouette II helicopters before progressing to Alouette IIIs and then EC 145s.

Since 1999, gendarmerie helicopter teams flying EC 145s have rescued 14,740 people. They provide 24-hour emergency cover for rescues and police operations.



HÉLICOPTÈRES DE LA SÉCURITÉ CIVILE

Sécurité Civile helicopter group

Le 19 juin 1957 un arrêté du ministère de l'Intérieur crée officiellement le Groupement d'Hélicoptères de la Sécurité Civile. Ses missions sont alors de deux ordres : le secours aux personnes et celles pouvant intéresser d'autres services du ministère. Le groupement s'équipe alors de deux Bell 47 G2 et deux bases sont aussitôt expérimentées : l'une à Grenoble, installée le 15 juillet 1956, pour le secours en montagne, l'autre à Lorient, le 25 novembre de la même année, pour les interventions sur les îles et le secours en mer. En 1962 l'Alouette II voit arriver sa grande sœur, l'Alouette III (un appareil spécialement conçu pour les missions de sauvetage en montagne). Depuis 2006 toutes les bases sont opérationnelles sur BK 117 C2 (EC 145). Le Groupement Hélicoptères de la Sécurité Civile, représente 23 bases opérationnelles dont 3 en outre-mer, auxquelles il faut ajouter un échelon central de direction nationale des moyens aériens à Nîmes. Chaque année, les hélicoptères de la Sécurité Civile portent secours à plus de 15 000 personnes (tous territoires confondus).

In 1957, the Ministry for Home Affairs created the Sécurité Civile helicopter group. It was tasked with rescuing people and flying missions for other services of the ministry. Initially the group was provided with two Bell 47 G2 helicopters, which operated from Grenoble - for mountain rescues - and from Lorient - for maritime operations. In 1962, Alouette II helicopters were replaced by Alouette IIIs, which had been specifically designed for mountain rescues. Since 2006, the group flies EC 145s from 23 bases, three of which are overseas. The central command is located in Nîmes.

Every year Sécurité Civile helicopters rescue more than 15,000 people from all types of terrain.





LE COMITÉ D'ORGANISATION ORGANIZING COMMITTEE

ANMSM

Association Nationale des Médecins
et Sauveteurs en Montagne / National
Association of Mountain Doctors and Rescuers

Organisme de formation agréé, l'ANMSM est devenue un trait d'union entre tous les acteurs du secours en montagne de France. Au travers de partenariats avec les écoles de formations et les universités, ses actions s'adressent à un public de professionnels du secours et de la montagne (médecins, secouristes, guides de haute montagne) : diplôme Inter Universitaire de Médecine d'Urgence en Montagne, formations continues, certification professionnelle, et depuis quelques années des sessions d'entraînement par la simulation haute-fidélité en milieu haute montagne. L'ANMSM organise tous les 4 ans un congrès réunissant tous les corps de métiers et tous les organismes du secours en montagne autour des thématiques d'actualité. Elle a coordonné le référentiel national d'aide à la médicalisation pour les secouristes. Elle participe activement à la commission médicale de l'ICAR, pour l'élaboration de recommandations sur la prise en charge des victimes d'avalanches, des hypothermies accidentelles, des accidents de canyon, et pour la réponse aux événements multi victimes en montagne.

A registered training center, the ANMSM has become a common partner for all mountain rescue organizations in France. Through partnerships with schools and universities, it organizes training courses for professional mountain rescue workers such as doctors, rescuers, mountain guides etc. These include the Inter-University Diploma for Emergency Mountain Medicine course, continued professional development programmes, and professional certification courses. For the past few years, it has run distance courses in a simulated high-resolution mountain environment. Every four years the ANMSM organizes a congress based on the most important issues of the day. It is open to all categories of mountain rescue worker from all organizations. It has produced the national documentation advising rescuers on medication and has contributed to ICAR's medical commission on subjects such as the treatment of avalanche casualties, hypothermia, canyoneering accidents, and multiple-casualty accidents in the mountains.



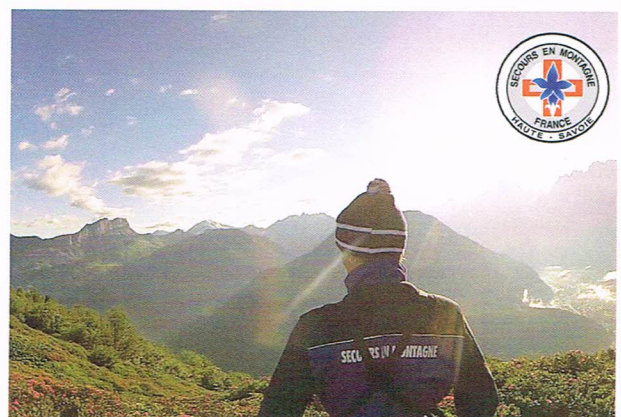
FFME - ADSSM74

Fédération Française de Montagne et
d'Escalade - Association of Volunteer
Mountain Rescue Teams / Haute Savoie

L'ADSSM74 regroupe depuis 1991 les sociétés locales de secours en montagne. Elle les représente, coordonne leurs actions, et est leur interlocutrice auprès des pouvoirs publics : Préfecture, Services d'Incendie et de Secours, Gendarmerie, Sécurité Civile. Avec plus de 400 secouristes bénévoles, répartis sur l'ensemble du département et prêts à renforcer chaque fois qu'il le faut les secouristes des services publics, elle reste, aujourd'hui en Haute-Savoie, en nombre, la première force dédiée au Secours en Montagne. Professionnels, guides, moniteurs de ski, accompagnateurs ou pratiquants, tous montagnards, femmes et hommes de terrain et travaillant sur un secteur qu'ils connaissent parfaitement, ils restent une force indispensable chaque fois qu'il faut intervenir rapidement et que le terrain ou les conditions météorologiques imposent une approche terrestre ou à ski des victimes.

Since 1991, the ADSSM74 has brought together local mountain rescue teams in Haute-Savoie, coordinating their actions and representing them when dealing with bodies such as the regional government, the fire service, the Gendarmerie Nationale, and the Sécurité Civile.

With over 400 voluntary members, this is the largest rescue organization in the area and stands ready to support the public mountain rescue services when necessary. The association comprises professional mountain guides, ski instructors, mountain leaders and amateur mountaineers. The women and men of the ADSSM74 know their local mountains intimately and are able to intervene rapidly on foot or by ski when the terrain or weather conditions prevent a helicopter rescue.





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PROGRAMME

PROGRAM

TUESDAY, OCTOBER 16TH

CONFERENCE PROGRAM ICAR CONVENTION 2018 - CHAMONIX - FR

TIME	TER	AVA	AIR	MED	DOG
14.00 / 19.30			Registration		
20.00 / 22.00			Dinner		

WEDNESDAY, OCTOBER 17TH

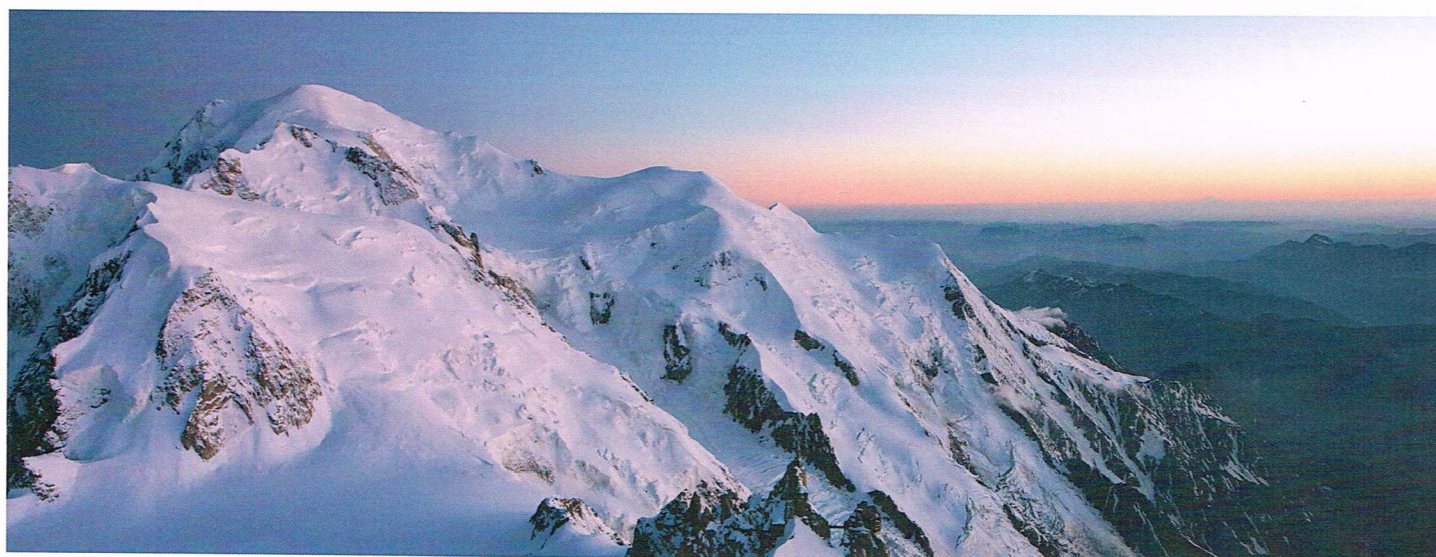
CONFERENCE PROGRAM ICAR CONVENTION 2018 - CHAMONIX - FR

TIME	TER	AVA	AIR	MED	DOG
06.30 / 08.00			Breakfast		
08.00 / 08.30		Opening and Administration (Létang)	Welcome and information / presentation of new members	Welcome and Administration	Welcome / Presentation of new members
08.30 / 09.00	TERCOM Assembly of Delegates	Summaries of Key Events of the 2017/2018 Season (all)	Incident / accident review / All members	Review of 2004 ICAR Medcom Regulations (Ellerton/ Sheets)	Review of the workshop in Passo Rolle April 2018
09.00 / 09.30		MS.i/ANENA Test UIAA SafeCom (Jarry/ Genswein)	Incident / accident review USA / Charley Shimanski	Review of Recommendations (Jacob et al)	Maintrailing, Benson David Lake District
09.30 / 10.00	Workgroup / Incident Command Systems / Presentation and Discussion, Asgeir Kristinson/ICESAR	Coffee Break	Coffee Break	Suspension syndrome & 2019 Bolzano/2018 ISMM Congress (Brugger/Strapazon)	Coffee Break
10.00 / 10.30	Coffee Break	A period of high avalanche activity in the Pyrénées winter 2018 / Vincent Pederiva / CRS	Accident EC145 in 2016 / Emmanuel Chavanne Gendarmerie	Coffee Break	Call outs in Lake District Chris Francis
10.30 / 11.00	REC/0007 / Discussion and Decision	MountainSafety.Info / Workmeeting and "Train the trainers" 2018 / Martin Gurdet / ÖBRD	Dale Wang and Øyvind Henningsen MRA / HEC Rescue Partnerships in USA	Psychosocial health of ski patrollers and mountain rescuers. (Nordgren et al) & results of UK survey (Greene)	Dog Welfare Judge Christyne, Elly Whiteford Lake District
11.00 / 11.30		Recommendations Part 1: Review of existing ICAR AVA Recommendations (Letang/Genswein/ Jarry/Ohlen/Gurdet)	Transition from BK117 c1 to D2 / Michael Schweiger ARA		WBR ICAR Survey, Tracy Christensen WBR
11.30 / 12.00	Light weight back/ country rope rescue Richard Delaney / NSWState/ Emergency Service AU		Proposition/election new ARC President and Vice/President	Medicalization of rescue teams (Nerin/Soteras)	Transceiver on the dog, Michael Partholl Bavarian Rescue Dogs
12.00 / 14.00			Lunch		

WEDNESDAY, OCTOBER 17TH

CONFERENCE PROGRAM ICAR CONVENTION 2018 - CHAMONIX - FR

TIME	TER	AVA	AIR	MED	DOG
14.00 / 14.30	Information from our partners (Majestic / Main Room)				
14.30 / 15.00	Wind turbine / Hazards and Rescue operations / Charley Shimanski MRA and Axel Manz ECMS Academy	Recommendations Part 2: Proposal for new ICAR AVA Recommendations (Jarry/Ohlen/ Josefowicz/Henningsen)	Wind turbine / Hazards and Rescue operations / Charley Shimanski MRA and Axel Manz ECMS Academy	ICAR Medcom recommendation: Determination of death (Schön et al.)	Founding form EU, ERASMUS, Knut Skar Norge rescue dogs
15.00 / 15.30	Dmitry Gavva Resero / avalanche rescue system	Dmitry Gavva Resero / avalanche rescue system	Dmitry Gavva Resero / avalanche rescue system		Dmitry Gavva Resero / avalanche rescue system
15.30 / 16.00	Coffee Break				
16.00 / 16.30	Glacier caves and holes Edy Cartaya/MRA	Glacier caves and holes Edy Cartaya/MRA	New HEMS Program in Bhutan / Dr. Charlie Mize	Arolla Incident (Zen Ruffinen/Pasquier)	Search and rescue on the Island of Mljet, Never Putnar Croatia rescue dog
16.30 / 17.00			Risks of Infrequent Helicopter use on Mount Hood Oregon / Dr. Van Tilburg USA	Advanced airway management in hoist operations (Lischke) & Ketamine 'push' dose sedation in mountain rescue (Scrimgeour, Hopitaux du pays du Mont-Blanc)	Search and rescue on the Island of Rab, Never Putnar Croatia rescue dog
17.00 / 17.30	Fatigue influences the search strategy but not the likelihood of success of well/trained avalanche military dogs Alberioli Alessandro/ GdF	Fatigue influences the search strategy but not the likelihood of success of well/trained avalanche military dogs Alberioli Alessandro/ GdF	EASA HEMS NPA information / EASA ESPN/R information / Patrick Fauchère KWRO	Psychological make/ up of extreme sport participants (Tomazin)	Fatigue influences the search strategy but not the likelihood of success of well/trained avalanche military dogs Alberioli Alessandro/ GdF
18.00 / 19.00	Welcome Ceremony at ENSA Climbing Wall				
19.00 / 22.00	Dinner				



PROGRAMME

PROGRAM

THURSDAY, OCTOBER 18TH

CONFERENCE PROGRAM ICAR CONVENTION 2018 - CHAMONIX - FR

TIME	TER	AVA	AIR	MED	DOG
06.30 / 08.00	Breakfast				
08.00 / 08.30	Backcountry SOS/ Abstract / Stephanie Thomas/Teton County SAR	Consensus Discussion and Field Workshop Definition: Review existing and Proposals New Recommendations (all) Review of the Workshop Approach (Letang)	Update on Double hook system Boost Marc Ledwidge Boost	ICAR Rec: Multiple trauma management in alpine environments (Paal et al)	Real training / Topic: Education with young and certificated dogs
08.30 / 09.00	EURISY/Satellite Applications for Search and Rescue / Fredrik Bendz Aarrestad		Slovenian Air Force presentation Damjan Bevč	Practicability of mechanical chest compression devices (Jacob)	
09.00 / 09.30	Performance Criteria of rope rescue systems / Kirk Mauthner		Night hoisting under NVG / Emmanuel Chavanne Gendarmerie	Extreme Helicopter rescues at high altitude in Nepal (Maurizio Folini, Italy)	
09.30 / 10.00	Coffee Break	Coffee Break	Crew Rating/Training programme / Renaud Guillermet Sécurité Civile	Inhalational Analgesia: Penthrox® or Entonox® – which is better suited to mountain rescue? (Lischke, Gordon, Greene, Zagorski)	
10.00 / 10.30	UIAA SafeCom / Lionel Kiener/UIAA	MountainSafety.Info content Management System	Coffee Break	Coffee Break	Coffee Break
10.30 / 11.00	Proposal to form a registry of rescuer deaths (Ellerton/Tomazin)	Preview and Vision for the ICAR AVA 2019 (Letang)	Prevention session : Drone by Emmanuel Chavanne Gendarmerie	Proposal to form a registry of rescuer deaths (Ellerton/Tomazin)	Real training / Topic: Education with young and certificated dogs
11.00 / 11.30	The last 40 years of moun- tain rescue in Sweden, what have we achieved / Rickard Svedjesten, Marie Nordgren, Stephen Jerrand / SVEFRO	ICAR AVA Recommendations Strategy, Interaction MS.i «Best Practice» and ICAR Recommendations (Letang/ Genswein)	Wingsuit brochure ? Miha Avbelj and all	Snow submersion asphyxia (Van Tilberg)	
11.30 / 12.00	Using cable clamps as anchors / Rémi Pélisson / PGHM	MountainSafety.Info Platform and DataAccess (MS.i staff)	Flarm and Recco update from Miha Avbelj Slovenia	Avalanche/Hypothermia hospital preparedness video (Kottmann Ellerton Hözl)	
12.00 / 14.00	Lunch				
14.00 / 14.30	Past/present/future of helicopter mountain rescue in NZ / Jim Young Mt Cook Alpine Rescue	Heading out the Gates: What 3 Years of Surveys teaches us about «Sidecountry» use in Jackson WY / Stephany Thomas / Teton County SAR	Past/present/future of helicopter mountain rescue in NZ / Jim Young Mt Cook Alpine Rescue	ICAR Medcom recommendation: Medical quality improvement for avalanche rescue missions (Kottmann/Pasquier)	Coordinating GPS with google earth, Seppolo Lederhaas
14.30 / 15.00	The effect of Communication Equipment on Avalanche Tranceivers / Illari Dammert/Mammut		HEMS/HEC programs in New South Wales/ Australia / Dr. Justin McLean Toll Helicopters Australia	and break out session on DiMM regulations (Williams/Hözl)	Work on recom- mendations
15.00 / 15.30	Hut-based remotely-controlled radio system for search and rescue operations - Océane Vibert / La Chamoniarde		Coffee Break	Coffee Break	Coffee Break
15.30 / 16.00	Coffee Break	Coffee Break	Future Hoist Operations / James D.De Cuollo Breeze/Eastern	ICAR Medcom recommendation: Medical quality improvement for avalanche rescue missions (Kottmann/Pasquier) and break out session on DiMM regulations (Williams/Hözl)	K9 in Canada Jennifer Coulter
16.00 / 16.30	Glacier crevasse mapping project / Ágúst Þór Gunnlaugsson/ICESAR		Election of president and vicepresident of ARC		Prevention Session
16.30 / 17.00	Preventing rock climbing ac- cidents indoor and outdoor / Sylvie Viens / FFME	Conclusion of the congress (Letang)	Next year Topic and future of ARC		Internal session
17.00 / 17.30	ICAR Executive Board Meeting (Majestic)				

FRIDAY, OCTOBER 19 TH		CONFERENCE PROGRAM ICAR CONVENTION 2018 - CHAMONIX - FR			
TIME	TER	AVA	AIR	MED	DOG
06.30 / 08.00			Breakfast		
06.30 / 16.00		Practical Workshop (Lead: Avalanche Rescue, Lunch outside in the Field)			
18.30 / 22.00		Social event including dinner			

SATURDAY, OCTOBER 19 TH		CONFERENCE PROGRAM ICAR CONVENTION 2018 - CHAMONIX - FR			
TIME	TER	AVA	AIR	MED	DOG
06.30 / 08.00			Breakfast		
08.00 / 08.30		Accident at Wildgerloskees / Martin Gurdet/ÖBRD			
08.30 / 09.00		Avalanche Sitation in Mattertal 2018 / Bruno Jelk (KWRO)			
09.00 / 09.30		Bondo and Guttannen / a Challenge for Rescue Teams / Theo Maurer/ARS			
09.30 / 10.00		HOPE study (Pasquier) EURAC X/Cube (Brugger)			
10.00 / 10.30		Coffee Break			
10.30 / 11.00		Psychological health of rescuers / ICAR Medcom initiative (Nordgren) Inhalational analgesia: its role in mountain rescue? (Lischke)			
11.00 / 11.30		A freezing tragedy on Pigne d'Arolla / Fredy/Michel Roten, Greg Zenruffinen, Raphael Richard, Patrick Fauchère, Air Glaciers/MFVB/KWRO			
11.30 / 12.00		Modelling rock wall permafrost degradation in the Mont Blanc massif from the LIA to end of the 21st century / Ludovic Ravanel, Edytem / GSM			
12.00 / 12.30		75 years of avalanche dog training in Switzerland, Meier Marcel Alpine Rescue Switzerland			
12.30 / 13.00		Proposal to form a registry of rescuer deaths (Ellerton/Tomazin)			
13.00 / 15.00		Lunch			
14.00 / 15.00		ICAR Executive Board Meeting (optional)			
15.00 / 18.00		70 th ICAR Assembly of Delegates			
19.30 / 23.00		Gala Dinner			

SUNDAY, OCTOBER 19 TH		CONFERENCE PROGRAM ICAR CONVENTION 2018 - CHAMONIX - FR			
TIME	TER	AVA	AIR	MED	DOG
06.30 / 08.00			Breakfast		
06.30 / 11.00		Check/out, Departure			

WORKSHOP

» Secours en avalanche et problématiques liées au réchauffement climatique

La journée se déroulera sur le site des Grands-Montets (3295 mètres). Matériel de sécurité personnel obligatoire : baudrier, longe, casque, crampons. Les participants devront maîtriser la marche sur glacier avec crampons en altitude.

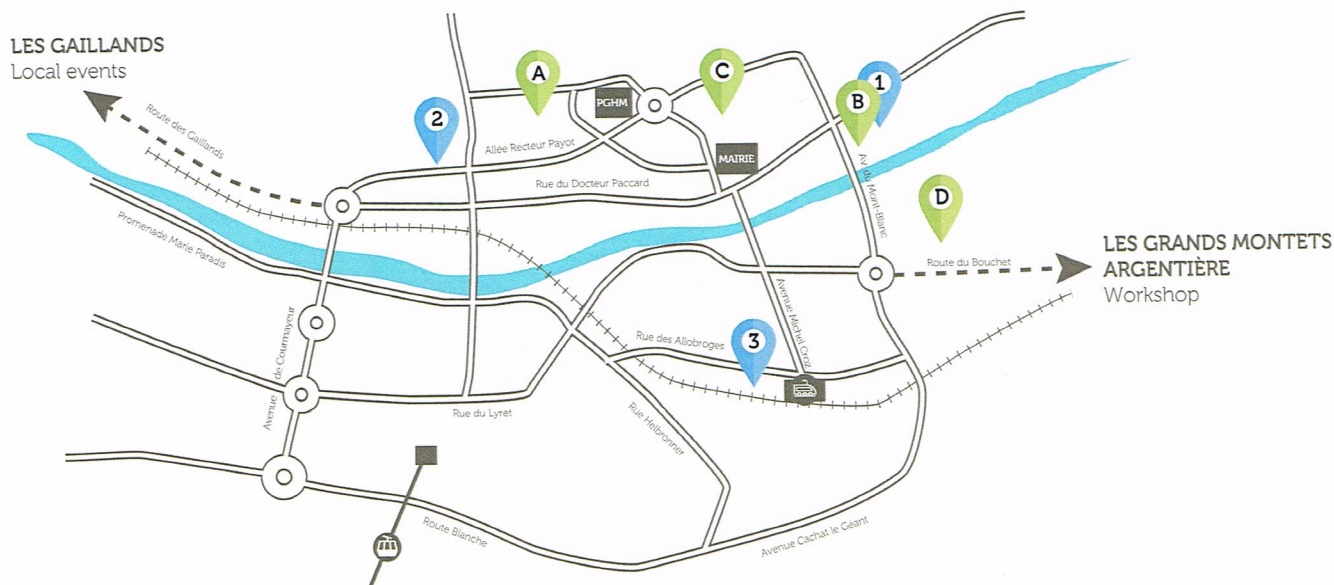
» Avalanche rescue and issues related to global warming

The workshop will take place at the Grands Montets (3295 meters). Each participant must bring the following equipment : harness, cow's tail/leash, helmet, crampons. Participants should be able to use crampons with confidence



HÉBERGEMENT ET SITES

ACCOMODATION AND MEETING PLACES



HOTELS



1

ALPINA ECLECTIC HOTEL****



2

CHALET HOTEL PRIÈRE ***



3

MERCURE CENTRE****

MEETING PLACES



A

CENTRE DE CONGRES LE MAJESTIC

Réunions plénières. Commissions TERRESTRE et AVALANCHE. Salon des exposants, Diner de Gala

Plenary Sessions. TERRESTRIAL and AVALANCHE commissions. Exhibition hall, Gala dinner



B

ALPINA ECLECTIC HOTEL****

Commissions MEDICALE et MAITRES-CHIENS. Les pauses auront lieu au Majestic, situé à 7 minutes à pied. Les déjeuners seront servis à l'Alpina au restaurant le Vista

MEDICAL and DOG-HANDLERS commission. Interludes at the Majestic, which is a 7-minute walk away. Lunch at the Alpina hotel restaurant, Le Vista



C

MAISON DE LA MONTAGNE

Commission AÉRIENNE. Les pauses auront lieu au Majestic, situé à 2 minutes à pied

AIR commission. Interludes at the Majestic, which is a 2-minute walk away



D

E.N.S.A

Assemblée des délégués. Cocktail d'ouverture

Assembly of delegates. Welcome Ceremony



VICTORINOX



EWOOD S557

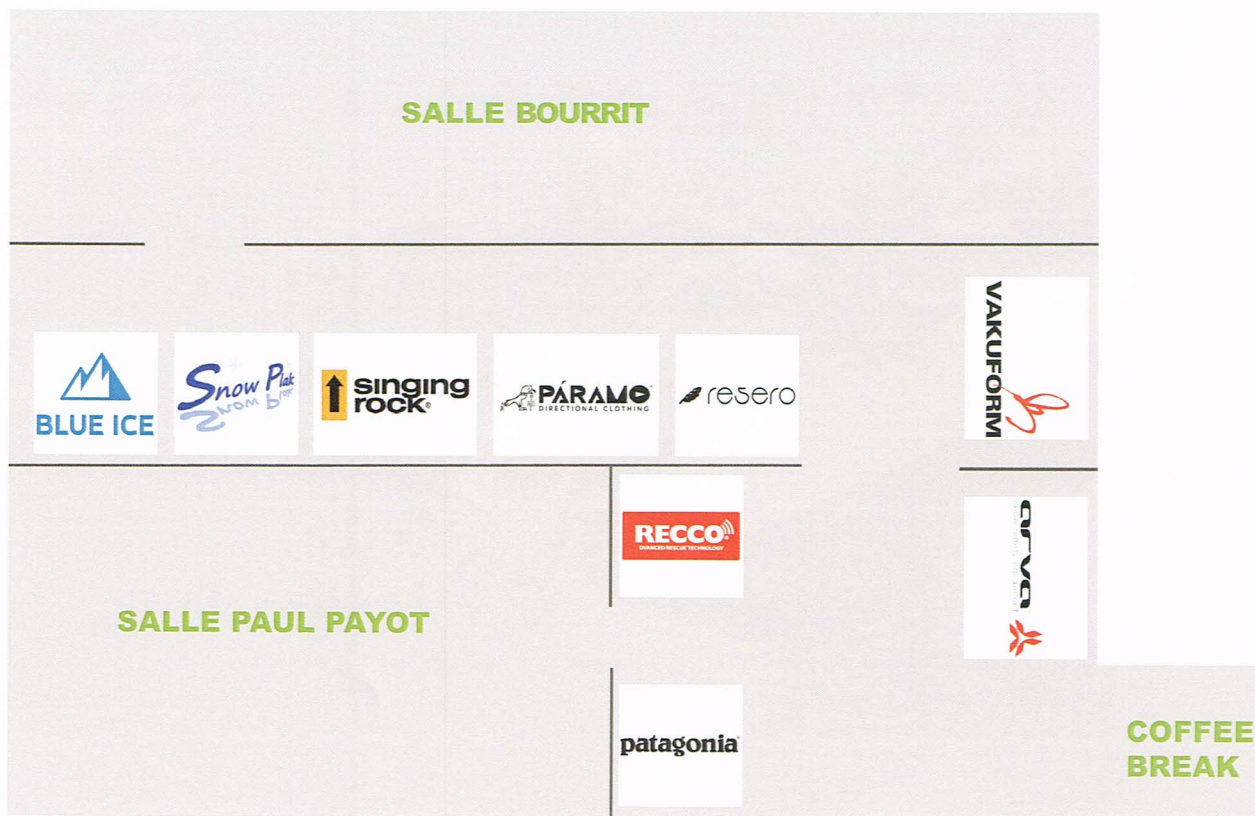
Seit mehr als 130 Jahren sind die legendären Swiss Army Knives zuverlässige Begleiter auf der Reise durch die Abenteuer unseres Alltags.

19 Funktionen



LES EXPOSANTS

EXHIBITORS





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