

Annex 1
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According to Europass design this annex presents:

1. Occupation positions held – employments
2. Responsibilities of major recent positions
3. Other appointments and positions of trust

1. Occupation positions held – employments

- 2010 – present **Professor emeritus**, Department of Biomedical Sciences and Veterinary Public Health, **Faculty of Veterinary Medicine and Animal Sciences**, Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden; www.slu.se
- 2018 – present Part of the Joint FAO/WHO Expert Meetings on Microbiological Risk Assessment (JEMRA) Roster of Experts for a period of five years (2018-2022); <http://www.fao.org/food/food-safety-quality/scientific-advice/jemra/en/>
- 2003 – present **Private consultant** in Veterinary Medicine and Veterinary Public Health
- 2015 – 2017 **Chairman** of The Royal Swedish Academy of Agriculture and Forestry (KSLA) Committee in support of Sweden's development assistance in the agricultural and livestock sector ; www.ksla.se
- 2010 – 2015 **Chairman** of The Royal Swedish Academy of Agriculture and Forestry (KSLA) Committee on **International Agricultural Issues**; www.ksla.se
- 2008 – 2010 **Professor/researcher**, Department of Biomedical Sciences and Veterinary Public Health, Faculty of Veterinary Medicine and Animal Sciences, SLU, Uppsala, Sweden
- 2003 – 2008 **Head of Department** of Biomedical Sciences and Veterinary Public Health, Faculty of Veterinary Medicine and Animal Sciences, SLU, Uppsala, Sweden, 2nd period 10/2002 - 10/2010
- 2002- 2003 **Visiting Professor (full)**, Department of the Veterinary Microbiology & Parasitology, UCD, National University of Ireland, Dublin, **Ireland**; <http://www.ucd.ie/>
- 1993 – 2002 **Head / from 2001 CEO**/ Chief Executive Officer of Swedish Animal Health Service, Johanneshov / Stockholm, Sweden; <http://www.svdhv.org/sv/>
- 1990-1992 **Head (Veterinärråd)** of Food Control Division I, National Food Administration/ Agency (SLV); <http://www.slv.se/>
- 1983-1989 **Professor (Statsepizootolog) and Head** of Dep. of Epizootiology, National Veterinary Institute (SVA), Uppsala, Sweden; www.sva.se
- 1969 – 1982 Outside the academic terms (see below) **clinical field practice** (District Veterinary Officer; Swedish Board of Agriculture; SJV) or **veterinary meat inspector** (SLV) equivalent to 2.5 year full time employment
- 1979- 1982 **Associate professor** (laborator). Dep. of Epizootiology, SVA , Uppsala, Sweden
- 1978 **Visiting associate professor (post doc)**. College of Veterinary Medicine, University of Illinois,

USA.

1972- 1977 **Veterinary Assistant, Research Assistant, and Associate Professor**, Dep. of Bacteriology and Epizootiology, Royal Veterinary College, Stockholm, Sweden and from 1977 SLU, Uppsala, Sweden

2. Responsibilities of major recent positions

National Veterinary Institute (SVA)

As Professor and "State Epizootiologist" at SVA I was the senior national advisor to the Swedish Board of Agriculture, National Food Administration and Ministry of Agriculture on control and eradication of animal and zoonotic diseases. In addition I and the department were a central part of the national contingency plans conducting or guiding field investigations in case suspected outbreaks of epizootic or of other major notifiable diseases. This work, as well as part of that below, was basically theoretical and applied risk assessment. At SVA I was responsible for the control programs and other epidemiological actions against the epizootic and major infectious diseases in Sweden. International contacts were frequent. I was Swedish expert to the "Office Internationale des Epizooties", OIE, Paris and at FAO/WHO, Rome concerning foot and mouth disease.

National Food Administration (SLV)

My appointment at SLV corresponded to Chief Veterinary Officer, CVO, of the veterinary food safety area. I was head for the control of the national production of meat including fish and fish products, and also for the control of import and export of such products. That included the meat inspection at the Swedish slaughterhouses, supervision of the plants licensed for export, import regulations and the import control also of other food products than meat. In addition I was also responsible for the residue control of meat products and also head of the control of pesticides and related compounds in vegetables. My appointment involved frequent international contacts within the area of food hygiene and public health. I was Swedish expert at the Codex Committee on Residues of Veterinary Drugs, Washington DC, USA, and participated as expert on public health and food hygiene in the negotiation process EEC/ EU - EFTA.

Swedish Animal Health Service (SvDhv)

SvDhv was running official animal health controls and health service open to all farmers raising red meat producing animals, under the approval and supervision of Swedish Board of Agriculture. I was CEO of the organisation and the staff comprised ca 50 persons, most veterinarians in addition to an organised cooperation with ca 150 officially employed vets and private practitioners for the job at farm level. More than 90 % of the swine producers and the majority of the production of beef cattle and sheep were affiliated to SvDhv.

The eradication and control programs involved several zoonotic and animal diseases (e.g. paratuberculosis in cattle, Aujeszky's disease, PRRS and salmonella in swine, Maedi-Visna in sheep, CAE in goats and bovine tuberculosis in farmed deer). Industry based health controls were also run aiming at the eradication of specific endemic diseases like atrophic rhinitis and dysentery in swine. Other tasks included surveillance of lesions or other signs of disease at slaughter and autopsy, of the use semen and embryos, health control of boar stations and following Sweden's entry to EU also of importation of animals.

Implementation of disease preventive methods aiming at decreased use of antibiotics and improved animal welfare were focused. Efforts to co-ordinate and direct research to areas of high priority were important part of the job. Close co-operation were kept with civil service (mainly SVA, Swedish Board of Agriculture and SLV) and private stakeholders.

Under my leadership and initiative the organisation, from being split under four different employers, was transformed first into one organisation and finally from a semi-official organisation headed by the Swedish Farmers Meat Marketing Organisation to a private company owned and supported by all meat producing farmers in Sweden. As during previous positions active contacts with media and consumers on animal health and food safety were frequent.

National University of Ireland, UCD

In the position as Visiting Professor (full), UCD, Ireland, I was lecturing a comprehensive part of the teaching and examination of veterinary students in microbiology and also of the control of infectious diseases. I also supported in the research of the department.

Swedish University of Agricultural Sciences (SLU)

I was head of Department of Biomedical Sciences and Veterinary Public Health, Faculty of Veterinary Medicine and Animal Sciences. My primary option was to merge eight previously independent pre- and para-clinical departments covering a staff of some 100

persons including > 10 full professors into one department focusing on preventive veterinary medicine and food hygiene, effective teaching and advanced research. During this period I was also responsible for teaching and examination of Epizootiology/disease control and was also lecturing on zoonoses and food safety in particular on Salmonella. I finished as head Oct. 2008 due to age limit.

Following my retirement 31 Oct 2010 I continue as Professor emeritus so far close to on a daily basis, supporting the department and the faculty/ university in different functions and on a consultancy basis and also for other appointments as elsewhere. I continued to be responsible for teaching and examination in Epizootiology/disease control until June 2011.

Scientific Committees of the European Commission and EFSA

The membership since 1993 in different Scientific Committees of the European Commission and later in the scientific panels of EFSA focus on risk assessment and presenting of scientific advice. I was vice chairman of the important working group on antimicrobial resistance leading to the termination of the antimicrobial growth promoters in the EU. Questions related to BSE were especially focused during that period. I was continuously involved in the scientific advice to the Commission on BSE from 1993-2000 and 1996 member of a special EU-group to advice on research aspects of BSE (The Weissman Group). In the AHAW panel of EFSA the focus were on animal health issues in particular those being important at the time like influenza and vector borne disease in relation to climate change as well as different questions related to Salmonella in addition to several risk assessment on animal welfare as can be seen from the list of publication.

World Bank; Lead author Global Assessment IAASTD report

I was selected as lead Author for the World Bank; Global Assessment Report 2006-2009 (International Assessment of Agricultural Science and Technology for Development; IAASTD) to the final global report - Chapter on: Policy option for: Food Safety, Animal Health and Plant Health in the. I was the only medical expert in animal health, food safety and infectious diseases.

[http://apps.unep.org/publications/pmtdocuments/-Agriculture%20at%20a%20crossroads%20-%20Synthesis%20report-2009Agriculture at Crossroads Synthesis Report.pdf](http://apps.unep.org/publications/pmtdocuments/-Agriculture%20at%20a%20crossroads%20-%20Synthesis%20report-2009Agriculture%20at%20Crossroads%20Synthesis%20Report.pdf)

3. Other appointments and positions of trust

Independent of the missions of my different employments I have in addition been engaged in different commitments mainly within my area of interest and expertise; i.e. prevention and control of infectious animal diseases and zoonosis with special reference to Salmonella and use of antibiotic and antibiotic resistance. These are arranged mainly in major groups and also starting with the most recent.

The Royal Swedish Academy of Agriculture and Forestry (2010- 2017)

The mission of KSLA is to promote agriculture and forestry through acting as a bridge between science and governance (www.ksla.se). The major activity of the academy is done through different committees with the major mission to arrange seminars. Fellow of the academy since 1998. Member of Committee for EU related issues six years and later chairman of its Committee on International Agricultural Issues for 2010-2015 and during the years we have arranged 21 seminars and workshops. My special involvement included e.g. issues on SPS, emerging diseases, antibiotic resistance and recently two seminars on animal welfare in farm animals. In these seminars key persons from EU Commission and EFSA and Swedish Ministries and authorities have been engaged as key speakers as well as myself.

During 2011 I was chairing a group of 14 experts on a one week study visit to 18 different institutions in Washington DC and my engagement was also meetings with FDA and USDA for information on the US strategies for management of risk assessment and risk management in the SPS (sanitary and phytosanitary measures- animal, health, plant health and food safety) areas. As a follow up we arranged a seminar during May 2012 with EFSA and FDA/USDA on their risk assessment procedures in this area. The outcome of these seminars support understanding on the managing on animal health in particular in relation to infectious diseases, use of antimicrobials and animal welfare to get a science and risk based approach.

During 2015- 2017 I am chaired Committee in support of Sweden's development assistance in the agricultural and livestock sector; with a special focus on the role of agriculture in Agenda 2030.

MARLON project (EU, DG Research, 2015)

Invited expert to the final conference for assessment of the EU project on Monitoring of animals for feed-related risks, with special reference to GMO feed, Brussel, Belgium, 16-17 July 2015.

Hazards in animal feed (FAO 2015)

- Appointed as expert JOINT FAO/WHO expert meeting on hazards associated with animal feed, 12-15 May, Rome, Italy and

subsequent and ongoing works.

Salmonella and antibiotic (WHO) (1989- 2011)

- Since 1989 I have approximately 10 times been appointed to expert consultations (temporary adviser) or member of international review panel to the World Health Organisation (WHO) e.g. for working out guidelines and recommendations concerning salmonella and use of antibiotics in animal production, in particular as antibiotics used for growth promotion. Most recently (2011) I was selected as expert on "Tackling antibiotic resistance from a food safety perspective in Europe", by the WHO Regional Office for Europe. All these appointments end up in publications.
- During 2002 I was selected to an external expert group for a WHO review of the impacts of antimicrobial growth promoter termination in Denmark.
- I was chairman on the scientific and working committee for the NVI/WHO International Course on Salmonella held in Sweden in 1993 as a request by WHO. That course was of basic importance for Sweden's current legislation on salmonella in relation to the EU.

Salmonella OIE (1994 – 2016)

- During 2014 selected as one of five global experts to participate at the meeting of the OIE ad hoc Group on Salmonella in pigs to produce a chapter to the Terrestrial Animal Health Code on Prevention and Control of Salmonella in Pig Herds (Chapter 6.3, first draft currently under circulation) to supplement the Codex Alimentarius Commission 'Guidelines for the control of nontyphoidal Salmonella spp. in pork meat', currently under development.
- Repeatedly acted as referee on manuscript on Salmonella for Res. sci. tech. Off. int. Epiz. and in 2006 invited to produce a paper on Salmonella in relation to global marketing of food products in for that journal.
- I was key note speaker at OIE's Regional Commission for Europe in 1994 on "Control and prevention of salmonellosis in livestock farms."

Salmonella in feed – present

In addition to a substantial focus within EFSA the following can be noted:

- During 2014 I in per reviewed scientific journals published two papers with globally new data on cost for control of Salmonella in feed and successful control of Salmonella in a plant crushing soy beans for animal feed and further studies ongoing.
- During 2010 invited to write a chapter on Salmonella in feed in a new edition of the textbook "Salmonella in Domestic Animals", now available: Wierup, M: Salmonella in feed, in Barrow P.A. and Methner U. Editors; Salmonella in domestic animals, 2nd edition, CABI International 2013, Wallingford UK, pp 377-398.
- During 2006 I on behalf of the Swedish Board of Agriculture in an emergency situation made an assessment to identify the risks behind two recent incidences when salmonella was spread by feed to 49 and 29 swine producing herds, and recommend actions necessary to avoid future problems. In addition to a 130 pages report ([https://www.jordbruksverket.se/download/18.1ac7fbb10dac953d9c8000516/Utredning--Salmonella+i+foder--Wierup--till+SJV+2006-08-31\(4b\).pdf](https://www.jordbruksverket.se/download/18.1ac7fbb10dac953d9c8000516/Utredning--Salmonella+i+foder--Wierup--till+SJV+2006-08-31(4b).pdf)) the significant results were also published in peer reviewed journal.

Salmonella in poultry

- In 2015 invited to be co-author together with Dr Carita Schneitz, Orion, Finland on book chapter on competitive exclusion.
- In 2012 invited to present result of successful control of salmonella and a minimized use of antibiotics in Swedish broiler production by long term implementation of disease preventive methods with special reference to the use of competitive exclusion (CE) at Int. Symposium Alternatives to Antibiotics in Animal Production; OIE,
- During 2008-2010 invited by University of Georgia, Atalanta, USA to Scientific working group with 30 global experts on salmonella in poultry, to address the scientific basis, or lack thereof, of a no tolerance or tolerance for Salmonella specification for raw poultry. The report was produced during different meetings by a selected steering group including me, and published 2011 as a peer reviewed article in Journal of Food Protection.

Risk assessment: Member of scientific panels of the EU/DG SANCO and EFSA

Following application I have been selected as private expert for nine three years periods as follows:

- 1993- 1997 Scientific Veterinary Committee (Public Health section)
- 1997- 2000 Scientific Steering Committee, SSC
- 2001- 2003 Scientific Committee on Animal Health and Animal Welfare
- 2003- 2012 Scientific Panel on Animal Health and Welfare (AHAW) of the European Food Safety Authority, reappointed for maximum 3 periods

The output is about 190 published reports/opinions on the performed risk assessments.

Other scientific reviews - present

Academia

- I have acted as opponent for PhD-dissertations, most recent to Uppsala University 2011, or member of examination committees for PhD-dissertations at the Swedish University of Agricultural Sciences and others, latest Sept 2014. Also frequently appointed as external expert for evaluating applicants for appointment as academic members (professor and associate professors) (most recent 2011 for professor in “swine diseases”) and been on the scientific board to various symposia and conferences and 1997 temporary appointed by European Commission Dg VI for evaluation of research proposals for TSE-related research.

National legislation

- During 1998 appointed by the Swedish Board of Agriculture to a referee group of experts for the work out of a national law on Salmonella and other zoonoses. In 1998 Ministry of Agriculture, Fisheries and Food, United Kingdom appointed me as independent referee for an inquiry on antibiotics, animal health and welfare.

WHO

- I during 2002 was selected to an external expert group for a WHO review of the impacts of antimicrobial growth promoter termination in Denmark (also above). During 2006 I was selected as an external expert by the Swedish Board of Agriculture for a risk assessment on salmonella in feed in particular to swine (also above).

Key note lectures

- Especially on the issue related to salmonella and antibiotics, with special reference to animal production without support of antimicrobial growth promoters, I have, as can be seen from the list of publications, frequently been invited for presenting key lectures at international conferences and expert consultations.

Evaluation international cooperation in academic teaching (2014)

Invited by the Linnaeus-Palme Program (see above), as one of two experts to evaluate its activities between Swedish University of Agricultural Sciences (SLU), Sao Paulo University, Brazil and University Mayor de San Marcos, Lima, Peru. The activities covered a six year period for the exchange of teachers and one year for exchange of students with Brazil and the corresponding periods for Peru were eight and two years respectively. Following mutual visits between the countries involved a report was delivered in 2014.

ISPG conferences (2013)

Invited as a participant to two conferences arranged by Institute on Science for Global Policy,
<http://www.scienceforglobalpolicy.org/> :

- 1) Emerging and Persistent Infectious Diseases: Focus on Antimicrobial Resistance (USA), Marsh 19-22, Houston, Texas
- 2) Food Safety, Security, and Defence: Focus on Technologies and Innovations, April 14–17, Verona, Italy

National stakeholder meeting on antibiotic growth promoters, USA (2012)

In front of FDA decision to limit the use of antimicrobial growth promoters I was invited as one of 22 delegate/participants in a top national stakeholder meeting, on “Alternatives to Antibiotic Use in Food Animal Production: Options and Incentives”, by Alliance for Prudent Use of Antibiotics; <http://www.tufts.edu/med/apua/> . I was the only non US participant and gave a review of the Swedish and EU approaches and experiences.

Baltic University (2007- 2012)

I was engaged in the “Baltic University” (<http://www.balticuniv.uu.se/> on scientific cooperation on sustainable animal production between the countries around the Baltic Sea (high priority for EU) and also with scientists from USA in relation to the Great lakes. My involvement concerned animal health and control of infectious diseases with special reference to use of antibiotics. I was responsible for producing a cooperate section including two own articles on this issue in a textbook (published, March 2012) for master programmes. I was also on the editorial board to the whole book 382 pp and coordinating author to the chapter on “Prevention of infectious diseases in livestock and wild life”.

World Bank, Lead author IAASTD report (2006 – 2009)

I was selected as lead Author for the World Bank; Global Assessment Report 2006-2009 (International Assessment of Agricultural Science and Technology for Development; IAASTD) to the final global report - Chapter on: Policy option for: Food Safety, Animal Health and Plant Health in the. I was the only medical expert in animal health, food safety and infectious diseases.

<http://apps.unep.org/publications/pmtdocuments/-Agriculture%20at%20a%20crossroads%20-%20Synthesis%20report-2009Agriculture at Crossroads Synthesis Report.pdf>

Biosecurity plans – (2009- 2011)

- In front of a new the building of a new buildings for the whole faculty of veterinary medicine and animal sciences including a new animal hospital at SLU I was appointed to produce a bio security plan and strategies as a base for the construction and design of the building. The plan (23 pages) finished 2009.
- In a corresponding way I was 2011 appointed and produced a bio security plan (59 pages) for the large animal research plant including 1000 swine under SPF conditions, 600 headed dairy herd and 4000 poultry (layers and broilers) and a biogas plant for the manure from all the animals.

Environmental monitoring and assessment of the food chain (2009)

I was appointed to make an inquiry for SLU on its national programme on environmental monitoring and assessment. I presented (21 pages report) the need, motive and suggested a special program with focus on the food chain with the introduction also on biological markers (i.e. e.g. occurrence of pathogens, genes for antimicrobial resistance) in contrast to the traditional focus on chemical compounds.

Peru, academic teaching exchange - Linnaeus-Palme programme; (2008)

<http://www.programkontoret.se/sv/Languages/English/>, Three week visit in Peru and gave eight lectures within the area of disease control at University Mayor de San Marcos, in Lima, Peru and for national agencies responsible for animal health and food safety and started up areas for research cooperation. As a follow up I supported in supervision a Peruvian PhD student on use of antimicrobial and antimicrobial resistance in swine production and 2013 was the tutor for two exam projects on Salmonella and Clostridium difficile in guinea pigs in Peru for two Swedish veterinary students.

European Union/Commission;

- DG Research (2007)

Invited expert for two missions to China during 2007:

- Research cooperation in Life Sciences and Biotechnologies, where I was the only member representing the Animal Health sector (Decision CP/EP/sz/E1 (2007)I 13575;
- Speaker and to participate in a workshop: In the EU China South East Asia Dialogue for the development of research areas in Animal health of mutual interests.

- Delegation of the European Union to India (2017)

Invited expert for two missions to India during 2017:

- Key note presentation on "OIE Standards Setting and Terrestrial Animal Health" at EU - India seminar on standards in animal husbandry, New Delhi, 13 November 2017, arranged by EU - India Capacity Building Initiative for Trade Development (CITD) in cooperation with Export Inspection Council, New Delhi
- Presentation of "EU's Strategy to monitor and control animal diseases" at EU-India dialogue seminar on the use of veterinary medicines and antimicrobial resistance, New Delhi, 15 - 16 November 2017, within the project EU - India Capacity Building Initiative for Trade Development (CITD)

- European Business and Regulatory Cooperation Programme (EBRC); Taiwan (2018)

Invited expert for a missions to Taiwan:

- Key note speaker "On the role of international standards in supporting trade in animal products, and standards on regionalization" at the EU-Taiwan Animal Disease International Seminar on Wednesday, 11 April 2018 in Taipei, organized by the European Business and Economic Trade Office (EETO), EBRC and the Bureau of Animal and Plant Health Inspection and Quarantine (BAPHIQ) under Council of Agriculture, and Bureau of Foreign Trade (BOFT) under Ministry of Economic Affairs.

Web page on epizootics (2007-2008)

I was appointed by the concerned boards of civil service (National Food Agency Swedish Board of Agriculture) to a steering committee for the hands on establishment of a interactive website on epizootic diseases. <http://www.epiwebb.se/#>

Referee for scientific journals - present

I am frequently acting as referee to some ten different scientific journals and since 2007 most often to Food borne Pathogens and Disease, Preventive Veterinary Medicine and Scientific and Technical Review of the OIE but also to others including Veterinary Microbiology, Veterinary Record, Avian pathology, Journal of Food Protection and Acta Vet Scand. A significant part of the articles relate top salmonella in swine and feed. I am on the editorial board of "Infection Ecology and Epidemiology". During 2011 I was appointed to review research proposals for salmonella risk mitigation in swine production from a major EU member state.

Short listed for EU top positions (2001-2002)

During 2001 and 2002 I applied and following a high level selection procedure was put on a shortlist of 6 and 12 applicants respectively (out of around 350 and 440 applicants respectively) to the posts as:

- Deputy Director General, DG SANCO
- Executive Director for EFSA (European Food Safety Authority of European Commission).

Inquiry Sweden's contingency plans (1990)

I performed an investigation and proposal for updating of Sweden's contingency plans (6 months) on epizootic diseases at the request of Swedish Board of Agriculture 1990.

Harmonizing dose regimes for antibiotics (1982-86)

During 1982-86 I was appointed as consultant by LINFO (representing all pharmaceutical companies operating in Sweden) to harmonize dose regimes, descriptions and indications of all antibiotics registered for therapy, growth promotion and as coccidiostatics, and 1986-87 and thereafter occasionally also by the Medical Products Agency for evaluation of antibiotics and vaccines for registration.

Member of different scientific boards and others (1978-2014)

- Fellow of Royal Swedish Academy for Agriculture and Forestry (KSLA) (1998 – present)
- Member of the board of MAT 21 (Food 21 – Sustainable production, <http://www.mistra.org/english>) and subsequent activities. (2005 – 2014)
- Member of the KSLA Committee on EU- Issues (2004 – 2010)
- Member of the council of the Swedish- British Society 2009-2012 and currently for the period
- Member of the Comitée for Farm Animals (Lantbrukets djur) of the Faculty of Veterinary Medicine and Animal Sciences, SLU, (2004 – 2009)
- Member of the Scientific Council of SLV, with zoonoses as expert field (1986 –2007)
- Committee for Research in Horses (ATG) (1996 – 2004)
- Board member of Swedish Society for Research (1986-1993)
- During 1986 - 93 I was a member of the board for the Swedish Society for Research in Veterinary Medicine and during 1986-1990 one of two delegates from Sweden in NK-vet, an institution headed by the Ministry of Agriculture with the objective to realize co-operation between the Nordic countries especially on research in veterinary medicine.
- Board of Directors, National Veterinary Institute (1978 –ca 1987). As chairman for the academic staff (SACO) I was member of the inquiry on SVA in 1978 and a member of its board of SVA.

- Council Member of Swedish British Society (<http://www.swbr.se/>), different periods, currently for 2017 – 2020.
- Chairman of a Swedish foundation in support of new food producers (Hans Thuressons stiftelse för utveckling av mat och dryck på Österlen) (2014- present).

Non - professional activities

- Rotarian, Uppsala Östra Rotary club, fellow since 1982; president 1988
- Swedish British Society, member of council, currently for period 2017-220; <http://www.swbr.se/>
- Gospel singer, The Gloryfiers (<http://www.gloryfires.se/>) and other choirs
- Outdoor activities; trekking (International Association of Veterinarian Mountaineers) and skating; <https://ffua.skridsko.net/>