



ANNUAL REPORT
2014

INTRODUCTION

The preparation and approval of Finland's Antidoping Code 2015 played a key role in the operations of the Finnish Antidoping Agency FINADA in 2014. On 20 November 2014, WADA approved Finland's Antidoping Code 2015, which corresponds with the requirements of the World Anti-Doping Code 2015. FINADA approved Finland's Antidoping Code 2015 at its General Meeting on 26 November 2014. The new Code entered into force on 1 January 2015.

Finland was assigned new international positions of trust in antidoping activities in 2014. There was Finnish representation in WADA working groups, the Approval Committee for the United Nations Educational, Scientific and Cultural Organisation, UNESCO, Fund for the Elimination of Doping in Sport, the Monitoring Group of the Council of Europe Anti-Doping Convention and the Board of Directors of the Institute of National Anti-Doping Organisations iNADO. A high-level expert group was introduced to support the operations of the joint Nordic unit for the analysis of athletes' blood and steroid profiles. FINADA adopted the ADAMS system for the administration of athlete profile information

and signed several cooperation agreements with international sports federations regarding profile information exchange.

The Juha Lallukka doping case was finally closed when the Court of Arbitration for Sport (CAS) issued a ruling siding with WADA and FINADA, finding that the athlete was guilty of an antidoping rule violation. The ruling also confirmed the reliability of the growth hormone test.

In doping control, the year was dominated by the application of new rules and standards. Significantly, WADA's International Standard for Testing and Investigations will result in a need to reduce the number of tests in the future due to an increase in the costs of individual tests. FINADA will also begin to apply investigative procedures in its operations.

In response to the introduction of the revised Code and standards, FINADA's website and materials were updated to correspond with the new obligations. FINADA also reached the pilot stage in the implementation of a system for evaluating the antidoping activities of sports federations.

FINADA IN FIGURES IN 2014

TESTS BECAME MORE VERSATILE

Doping control in 2014

- 3,020 doping tests (2013: 3,294)
- 2,770 (2013: 2,877) doping tests under FINADA's national testing programme; of these, 1,310 (2013: 1,424) were in-competition and 1,460 (2013: 1,453) were out-of-competition tests
- in addition, 250 in-competition and out-of-competition tests carried out at the request of national and international federations or WADA

SPREADING THE MESSAGE OF CLEAN SPORT

- 97 lectures with over 4,000 attendees
- Clean Win information stands at 9 sporting events with total spectator numbers in the thousands
- more than 35 newsletters, press releases and blog entries

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ADMINISTRATION

BOARD

FINADA's Board convened eight times during the year under review. The Chair of the Board was Pekka Ilmivalta, Senior Vice President, Communications and CSR, and the Vice-Chair was Tuula Lybeck, Director. The composition of the Board is presented in Appendix 1. The Board and FINADA's office staff held a joint planning meeting on 16–17 June 2014 at Calliola in Raasepori. The focus of the meeting was on the agency's operations and finances in 2015 as well as discussing the investigative procedures and cooperation with the authorities required by the reform of Finland's Antidoping Code. The meeting also discussed the requirements related to the new testing standard and the financial challenges presented by them.

The Finnish Ministry of Education and Culture set up a working group to develop cooperation between the authorities in antidoping activities on 21 October 2014. The working group completed its task by the end of the year. Its memorandum will be published in 2015. The working group focused on the challenges presented by new investigative methods to FINADA as a private organisation, FINADA's legal position, and the amendment of the Finnish Criminal Code with respect to doping offences.

FINADA's Board submitted a proposal to the Finnish Ministry of Education and Culture in 2013 to establish a new organisation that would handle broader ethical issues in sports. FINADA has also suggested the option of having this organisation operate in connection with FINADA. The Minister of Culture and Sport, Paavo Arhinmäki, received the proposal and assigned Minister Lauri Tarasti to produce a report on the matter by the end of January 2014. Tarasti's report was circulated for statements in summer 2014, and the preparation of the matter is still ongoing. Decisions on the matter can presumably be expected in early 2015.

The focus of FINADA's Board's activities was on monitoring finances and operations. Doping control is a substantial part of FINADA's operations both from a quantitative and economic perspective, which is why the Board monitors it particularly closely. In addition, the Board established guidelines for operations and finances in the coming years, and also regularly monitored the reform of Finland's Antidoping Code. The Code was circulated for statements in sports federations and government ministries, and three events for federations were organised regarding the Code. The Code was also translated into English and submitted to WADA for comments twice. On 20 November 2014, WADA approved Finland's Antidoping Code 2015 as corresponding



THE FOCUS OF FINADA'S BOARD'S
ACTIVITIES WAS ON MONITORING
FINANCES AND OPERATIONS.

with the requirements of the World Anti-Doping Code 2015. FINADA approved Finland's Antidoping Code 2015 at its General Meeting on 26 November 2014. The new Code entered into force on 1 January 2015.

In the area of communications, the focus was on monitoring the revision of the agency's website and other materials, as well as the development of evaluation systems for the antidoping programmes of national sports federations. In training, the focus was on the development of the quality system and cooperation with sports academies and sports institutes.

SUPERVISORY BOARD

Under Finnish antidoping codes and practices and FINADA's rules, the Supervisory Board's tasks are:

- to determine whether a case constitutes a doping violation
- to issue a written statement on the consequences that should follow if the Supervisory Board finds that a case is a doping violation
- to resolve complaints made in response to decisions on therapeutic use exemptions and other administrative decisions; and
- to resolve other disputes arising from the interpretation and application of the antidoping codes and practices.

The Chair of the Supervisory Board in 2014 was Esa Schön, Licentiate of Laws, and the Secretary

was Katja Tukiainen, Master of Laws. The members of the Supervisory Board are listed in Appendix 1. The Supervisory Board convened seven times during the year.

In 2014, the Supervisory Board processed eight antidoping rule violations and two petitions for reducing the sanctions imposed for antidoping rule violations.

THERAPEUTIC USE EXEMPTION COMMITTEE (TUEC)

FINADA's Therapeutic Use Exemption Committee convened nine times in 2014. In addition, the Committee held eight remote meetings by e-mail. The Chair of the Committee was Doctor Matti Lehesjoki. The composition of the Committee is presented in Appendix 1. For more information on therapeutic use exemptions, please refer to the section "Therapeutic use exemptions".

QUALITY MANAGEMENT

Maintaining high quality throughout the entire doping control process is of key importance to FINADA's activities. The goal is to use the monitoring, assessment and development of operations to ensure process compliance and continuous improvement. DNV-GL Certification Oy/Ab carried out a period audit of FINADA's quality management system in February 2014 and recertified the system. DNV-GL confirmed that the system fulfils the requirements of the ISO 9001:2008 quality management standard,

the World Anti-Doping Code (WADC) and WADA's international standards.

In addition to the annual external audit by DNV, FINADA carries out annual internal audits to ensure system compliance and functionality. The audits also serve as a tool for continuous development of the system.

In 2014, FINADA carried out 11 internal audits, 10 of which were conducted during actual doping control situations and one at the FINADA office. The audit results indicate that doping control officers and the performance of testing are at a high level and meet the requirements of WADA's International Testing Standard.

OFFICE

In 2014, FINADA's office employed 10 full-time employees and three part-time employees (medical and legal matters). The office staff is listed in Appendix 1.

**MAINTAINING HIGH
QUALITY THROUGHOUT
THE ENTIRE DOPING
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OF KEY IMPORTANCE TO
FINADA'S ACTIVITIES.**

DOPING CONTROL AND TESTING

DOPING TESTING

In 2014, FINADA carried out 3,020 doping tests in Finland and abroad (2013: 3,294). Of the total number, 2,770 (2013: 2,877) were carried out under FINADA's national testing programme. Of these, 81 (2013: 27) were blood tests. In addition, FINADA took 276 blood samples under the national Athlete Biological Passport system. The number of tests declined slightly from the previous year.

FINADA carried out 250 (2013: 417) in-competition and out-of-competition tests at the request of other antidoping organisations and national and international federations, for a total of 23 different organisations. Of these, 206 (2013: 252) were in-competition tests and 44 (2013: 165) were out-of-competition tests. International cooperation in testing activities is important for FINADA. In 2014, FINADA achieved its target and executed all international testing requests.

The number of in-competition tests carried out under the national testing programme was 1,310 (2013: 1,424) and the number of out-of-competition tests was 1,460 (2013: 1,453). Tests were carried out in 85 disciplines (2013: 83). The most tested disciplines in FINADA's testing programme were ice hockey with 234 (2013: 233), athletics with 170 (2013: 188), cross-country skiing with 165 (2013: 158), powerlifting with 158 (2013: 175)

and football with 146 (2013: 160). The doping test statistics can be found in Appendix 2.

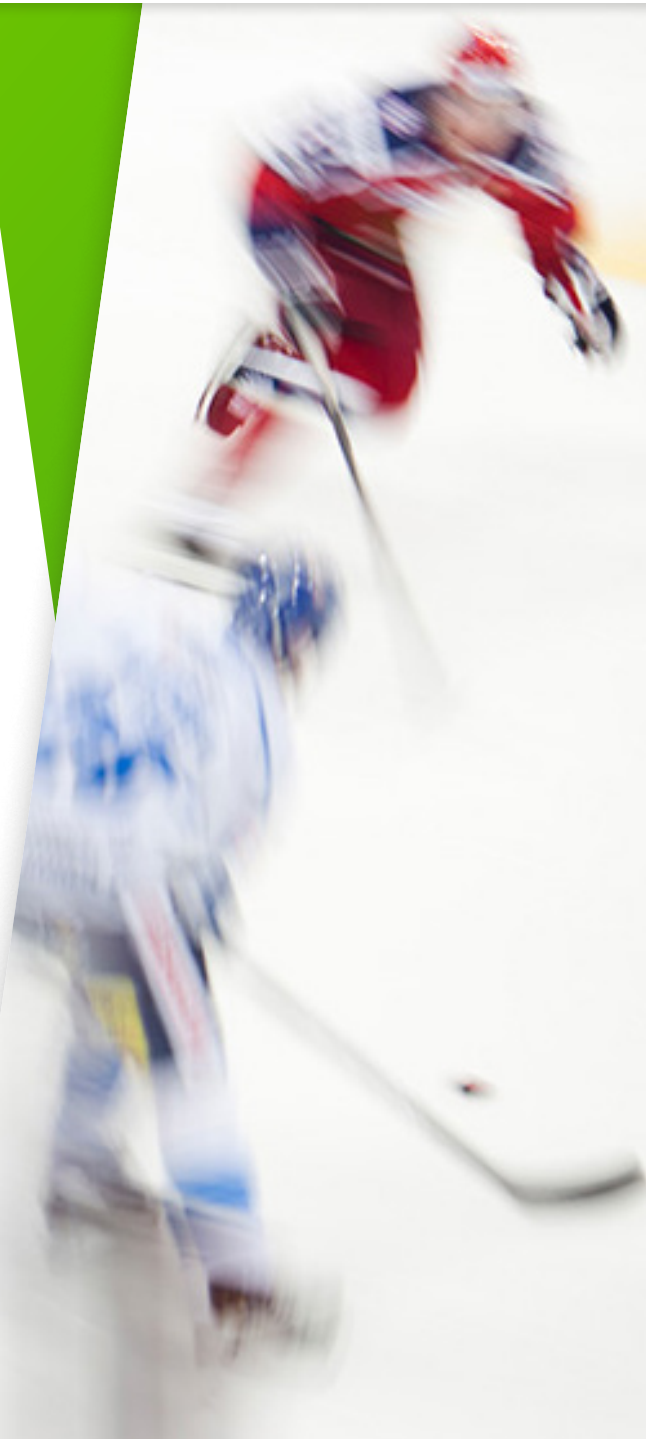
In 2014, FINADA took, as planned, 276 blood samples for athletes' personal profiles in addition to actual doping control samples. The number of these samples taken for the Athlete Biological Passport (ABP) system was slightly higher than in the previous year (2013: 245). In addition, as of the beginning of 2014, all athletes were included in the Athlete Biological Passport system with regard to individual steroid profiles. This means that individual steroid profiles are formed for all athletes who have provided urine samples. The management of the profiles is carried out in cooperation with the other Nordic countries. The manager of the Nordic Athlete Passports Management Unit (NAPMU), Jenny Schulze, plays a significant role in maintaining and developing the operations.

FINADA continued to carry out the long-term freezing of samples, which began in 2011. Some of the doping samples will be stored for potential re-analysis. According to the Code that entered into force at the beginning of 2015, the samples can be stored for ten years.

The majority of the out-of-competition doping tests were carried out on a targeted basis, with the tested athlete named in advance. Targeted tests are carried out in individual and team sports, both

in and out of competition. For in-competition tests, some of the athletes tested were selected either on the basis of their placing in the competition or randomly, and some were named in advance. The national testing programme was implemented both in Finland and abroad. Finnish athletes were tested by Finnish doping control officers as well as foreign doping control officers at FINADA's request. In particular, athletes intending to compete at the Sochi Olympics were tested outside Finland in the early part of the year.

The testing pool system, i.e. the collection and monitoring of athletes' contact and whereabouts information, enables targeted out-of-competition testing and serves as a key tool for doping control management and implementation. The testing pool system was revised in 2014, with the national pool eliminated and all pool athletes included in the registered testing pool, subject to the same obligations, from the beginning of the period 3/2014. Approximately 100 athletes from some 17 disciplines were in FINADA's individual sports testing pools. All of the athletes in the testing pool system used the ADAMS calendar system maintained by WADA. In addition to the changes to individual sports testing pools, the team pool system was also changed at the end of 2014, with all team sports except football and ice hockey removed from the pool.



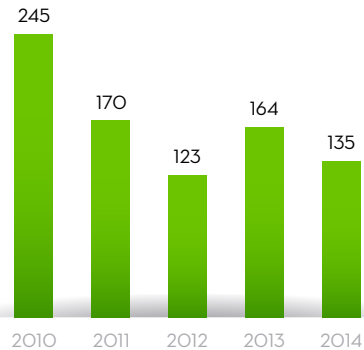


Chart 1. Processed applications for a TUE in 2010–2014.

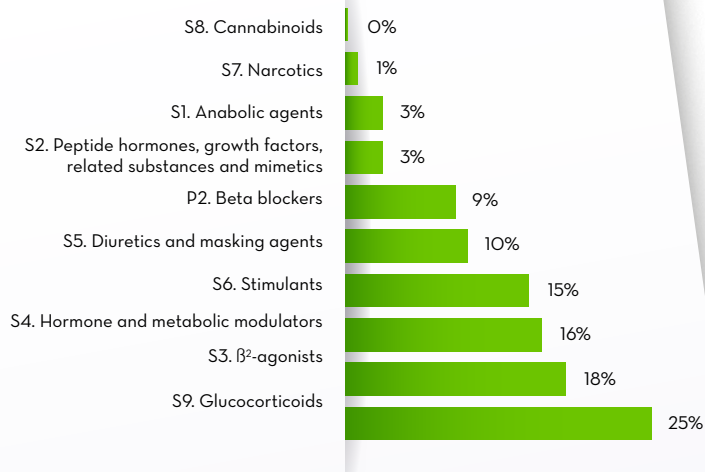


Chart 2. Proportions of different groups of pharmacological substances of TUEs granted by FINADA's Therapeutic Use Exemption Committee.

FINADA engaged in regular and active cooperation with various sports federations. A total of 26 federation meetings were held in 2014 with the largest sports federations. FINADA also cooperated with federations and competition organisations with regard to the organisation of international competitions.

There were a total of 30 doping control officers trained and authorised by FINADA operating across Finland. One new doping control officer received training in 2014 and received a testing licence at the beginning of 2015. The annual training seminar for doping control officers was held in Vierumäki on 17–19 January 2014. In addition, a regional tour of Helsinki, Tampere and Oulu was organised in May. All doping control officers, assistants and blood collection officers participated in the regional training events. Special training was arranged for blood collection officers on 20 September 2014 in Helsinki.

THERAPEUTIC USE EXEMPTIONS

The aim of WADA's International Standard for Therapeutic Use Exemptions is to create a uniform global practice for various organisations in granting exemptions for the therapeutic

use of prohibited substances and methods. During the year, FINADA communicated the rules on therapeutic use exemptions to athletes and other stakeholders in cooperation with its education and communication functions.

WADA's new Standard for Therapeutic Use Exemptions entered into force on 1 January 2015. The Therapeutic Use Exemption Committee familiarised itself with the new standard in 2014 and prepared for the changes introduced by the new standard regarding the practices concerning the recognition of TUEs between different antidoping organisations and the procedure for applying for a TUE retroactively. FINADA's TUE application form was updated to correspond with the new standard from the beginning of 2015.

There were no significant changes to WADA's Prohibited List at the beginning of 2014. Noble gases, such as xenon and argon, were added to the Prohibited List from the beginning of September.

The number of applications for a TUE addressed to FINADA did not change significantly compared to previous years. In 2014, the total number of processed applications for a TUE was 135, containing 154 pharmaceutical substances in all. The majority of the applications pertained to glucocorticoids and β -agonists. For more information on the activities of the Therapeutic Use Exemption Committee, please refer to the section "Administration".

RESULTS MANAGEMENT

FINADA is responsible for the results management of doping tests when the test has been carried out at FINADA's request, authorised by FINADA, or when FINADA otherwise detects antidoping rule violations pertaining to its jurisdiction.

FINADA assesses all cases that a laboratory has indicated to be positive, and other suspected antidoping rule violations, before they are brought to the Supervisory Board. FINADA also reviews the athlete's potential therapeutic use exemptions. On the basis of FINADA's assessment and review, it is decided whether the case will be presented to the Supervisory Board as a potential antidoping rule violation. FINADA also informs the parties determined in the Finnish antidoping codes. In 2014, FINADA handled a total of 12 cases. Of these, eight were antidoping rule violations. The processing and reporting of the cases involved the use of the English language to an exceptional extent, which meant a continuous increase in translation tasks and a partial revision of procedures. Antidoping rule violations for 2014 are listed in Appendix 2.

The processing of Juha Lallukka's case by FINADA continued in 2014 after WADA decided to take the case to the Court of Arbitration for Sport (CAS). FINADA supported this move and translated all materials pertaining to Lallukka into English for use by WADA. The CAS ruling on the case sided with the original stance held by FINADA that the case was an antidoping rule violation.

ANTIDOPING EDUCATION

FINADA was active in organising education and training sessions on antidoping issues in cooperation with sports federations and organisations, sports-oriented educational institutions and sports academies. Sports clubs also commissioned training sessions. Education was primarily targeted at young athletes, top-ranked athletes and coaches. A total of 94 education or training events were organised in 2014, with a total audience of 3,440 (see Chart 3).

Increasing cooperation with sports federations and developing their antidoping programmes were the most important tasks in training and education activities. The criteria for antidoping programmes has provided sports federations with clearer instructions and guidelines for antidoping work.

At sports federation meetings, sports federations were encouraged to include antidoping education and training in their athlete and coach education and training activities. Education and training events commissioned by sports federations accounted for approximately half of the total (see Chart 4). Antidoping education and training events were commissioned by 38 federations. The year in education and training was also characterised by the diversity of education and training activities and the customisation of lectures to suit different target audiences. Education and training events are listed in Appendix 4.

Among sports academies and sports-

oriented educational institutions, the level of activity in organising antidoping education and training events varied. FINADA was in regular contact with academies and educational institutions directly as well as through the Finnish Olympic Committee's sports academy programme. In total, 11 sports academies commissioned antidoping education and training during the year (2013: 19). Criteria for sports institutes' antidoping programmes were drafted in cooperation with educational institutions. The criteria will be presented to all sports institutes in spring 2015. Six sports institutes (2013: 11) regularly organise antidoping education and training as part of their course offering.

The decision was made to change the timing of the training days for antidoping trainers to coincide with the training days for doping control officers and assistants in January 2015. This decision was influenced by Finland's Antidoping Code 2015. A total of 17 trainers ran antidoping training and education sessions across Finland.

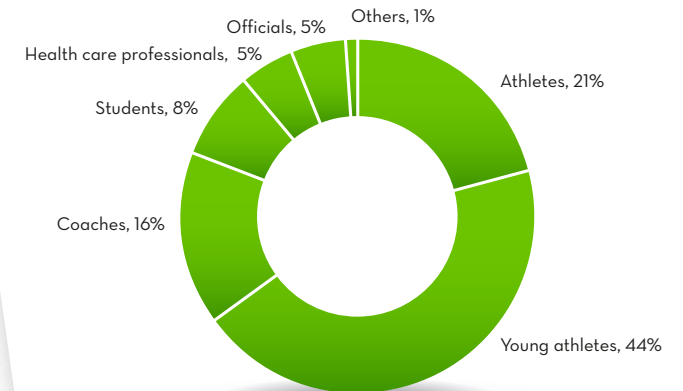
The "Clean Win Antidoping Guide", the "Prohibited Substances and Methods in Sports" publication and the "Therapeutic Use Exemptions and Prohibited Substances and Methods in Sports" appendix were distributed at education and training events. PowerPoint presentation materials were updated to correspond to the new Code and international standards.

Presentations are available for different target groups in three languages (Finnish, Swedish and English). More information on the materials is provided in the section "Communication" in this annual report.

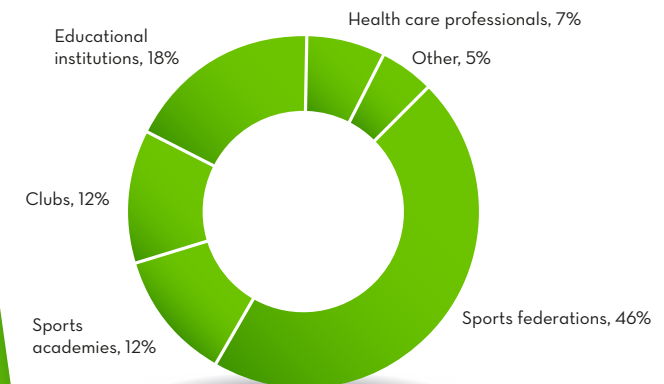
FINADA developed its quality management system for education in 2014. The most important processes and documents related to education and training were transferred to the IMS quality management system. Education and training events were managed via the Antidoping Passport system. An assessment survey for education and training was completed late in the year and implemented from the beginning of 2015.

In its training and education activities, the Clean Win programme (see Communications) focused on participating in events by setting up Clean Win information stands. Events are listed in Appendix 4. The purpose of the information stands was to provide athletes and their support personnel, as well as spectators, with information on antidoping issues.

PARTIES THAT COMMISSIONED TRAINING AND EDUCATION



TARGET GROUPS FOR TRAINING AND EDUCATION



COMMUNICATION

In January 2014, the list of Prohibited Substances and Methods in Sports was published both on the FINADA website and in printed format. As in previous years, the printed publication was distributed to sports federations and sports-oriented educational institutions. Through cooperation with the Coaches Association of Finland, the publication was also distributed to coaches with the association's Valmentajalehti magazine.

Of FINADA's printed materials, the "Clean Win Antidoping Guide" was updated in late 2014 in Finnish, Swedish and English to correspond with the new Finland's Antidoping Code. FINADA also translated and published the WADA publication "Athlete Reference Guide to the 2015 World Anti-Doping Code". The Guide was distributed to athletes in the testing pool and it will also be distributed at education and training events in early 2015. All guides published by FINADA were also published on the FINADA website.

FINADA published newsletters for sports federations and doping control officers four times during the year. Two newsletters for athletes in the testing pool were also published.

FINADA organised three events for sports federations. In addition to current issues, the events focused on the significant changes to the Antidoping Code as well as on sports federations' antidoping programmes. The events also featured lecturers from outside the FINADA organisation:

for example, Jari Rantapelkonen from the Finnish Powerlifting Federation presented the federation's agreements, and Leena Paavolainen from the Finnish Olympic Committee provided information on doping control at the Olympics.

Sports federations were encouraged to draft and implement antidoping programmes. During the year, the FINADA office commented on the programmes of more than ten federations. In the autumn, FINADA updated its criteria for antidoping programmes to reflect Finland's Antidoping Code 2015, which led to the development of a sports federation antidoping evaluation system. The criteria, the updating of antidoping programmes and the development of the evaluation system was directed by an ad hoc working group responsible for planning (see Appendix 1). In addition, the Varala and Vierumäki sports institutes began drafting an antidoping programme for sports institutes, which is intended to be published in 2015.

FINADA published more than 30 press releases in 2014. The press releases were published on the agency's website at www.antidoping.fi and, where necessary, on the website of the Clean Win programme www.puhtaastiparas.fi. The press releases were also sent electronically to FINADA's network, sports federations, the media and other stakeholders.

English and Swedish language versions of the FINADA website were published as a result of the

website revision process. The website was also developed with respect to its responsiveness.

THE CLEAN WIN PROGRAMME

Started in 2008, the Clean Win programme promotes clean sport by encouraging open discussion on doping. FINADA wants to shine the spotlight on ethical and fair athletes. This programme invites Finnish sports fans, sporting organisations, the friends and relatives of athletes and athletes themselves to get involved in fair play.

The Clean Win programme cooperates closely with sports federations. On the basis of the set of assessment criteria for the antidoping programmes of sports federations, published at the end of 2011, help was provided to approximately 15 sports federations in developing their antidoping programmes.

In 2014, the Clean Win information stand completed a tour of nine events. The greatest visibility was achieved at the IWG World Conference on Women and Sport, where cross-country skier Aino-Kaisa Saarinen delivered a Grand Petition for Clean Sports, with signatures collected at Finnish sporting events, to Beckie Scott, Chair of the WADA Athlete Committee, and challenged other countries to make a clear statement for clean sport.

Aino-Kaisa Saarinen also took a strong personal stand for clean sport. She held lectures



to junior athletes on clean sport and fair play, and also challenged all members of the Finnish national ski team to join the campaign. The campaign will continue in 2015.

In 2014, the challenge campaign for international sporting events organised in Finland included the Ice Hockey U18 Men's World Championships, a World Rallycross Championship event, and the Goalball World Championships. The Clean Win tour calendar can be found in Appendix 4.

INTERNATIONAL ACTIVITIES

FINADA has an active role on the international stage, with representatives in several international antidoping organisations (see Appendix 5). FINADA's aim is to ensure that antidoping rules and activities are consistent and athletes have an equal right to clean sports in all parts of the world.

THE WORLD ANTI-DOPING AGENCY (WADA)

WADA published Model Rules for the 2015 World Anti-Doping Code for use by stakeholders in sports. FINADA applied the Model Rules concerning national antidoping organisations. FINADA participated in the International Conference on the Implementation of the 2015 World Anti-Doping Code held in Limburg, the Netherlands, on 15–17 January 2014. The implementation of the Code was also a prominent theme at the WADA annual symposium for antidoping organisations and international federations, held in Lausanne, Switzerland on 25–26 March 2015, and many other international conferences.

INSTITUTE OF NATIONAL ANTI-DOPING ORGANISATIONS (INADO)

The number of iNADO members grew from 39 to 45 in 2014. The iNADO general assembly was held in conjunction with the WADA Symposium

on 24 March 2014. At the general assembly, a representative of FINADA was elected to iNADO's Board of Directors. The antidoping programmes of, and criteria and future assessment system for, Finnish sports federations were also presented at the symposium in connection to the general assembly.

In 2014, iNADO compiled 15 summaries in regular intervals on issues that are important to antidoping agencies, and organised four seminars for the representatives of national antidoping agencies in conjunction with various international events. iNADO acted as an advocate for its members' interests in the application of the World Anti-Doping Code and new standards. Furthermore, iNADO has official observer status in the Monitoring Group for the Council of Europe's Anti-Doping Convention, the Ad Hoc European Committee for the World Anti-Doping Agency (CAHAMA) and IADA. iNADO can also participate in WADA's meetings as an observer upon request.

The Institute of National Anti-Doping Organisations (iNADO) was established in early 2012. Starting



from 2014, iNADO has operated under German legislation and its headquarters is located in Bonn, Germany. Lawyer Joseph de Pencier from Canada is iNADO's Chief Executive Officer.

THE UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANISATION (UNESCO)

From the perspective of WADA, it is important that governments are committed to supporting and developing its activities by signing the UNESCO International Convention Against Doping. By the end of 2014, a total of 177 countries had ratified the Convention. UNESCO continues to actively promote commitment to the Convention. The organisation also has a separate voluntary fund for educational antidoping projects. Finland is represented in the fund's Approval Committee.

The UNESCO International Convention Against Doping entered into force in Finland and internationally on 1 February 2007. A Conference of Parties is convened every two years.

COUNCIL OF EUROPE (COE)

In 2014, the Monitoring Group for the Council of Europe's Anti-Doping Convention focused on developing the Convention's monitoring system and improving cooperation at a European level in exercising influence in WADA affairs. In particular,

the Monitoring Group worked on promoting the implementation of the World Anti-Doping Code in member states and forming European views on WADA's funding.

In 2014, FINADA participated in meetings of the Monitoring Group for the Anti-Doping Convention and the Coordination Group for WADA affairs (CAHAMA). Finland was assigned the role of Vice Chair in the Monitoring Group in 2014. FINADA also participated in the development of education and communications, as well as country assessments.

THE EUROPEAN UNION

The Ministry of Education and Culture is responsible for antidoping cooperation with the European Union. A report was completed in 2014 on the use of doping outside the organised sports system and the development of doping prevention in the EU.

INTERNATIONAL ANTI-DOPING ARRANGEMENT (IADA)

The International Anti-Doping Arrangement (IADA) is a governmental collaboration body of the world's leading high-quality antidoping countries and their national antidoping agencies. IADA is an intergovernmental alliance with strong involvement by national antidoping agencies and governments. The member countries are

Australia, Canada, Finland, Denmark, Japan, the Netherlands, New Zealand, Norway, South Africa, Sweden and the United Kingdom.

The aim of IADA and its member countries is to exercise active influence on WADA's decision making and the development and implementation of the WADA Code and Standards.

In 2013–2014, South Africa chaired IADA and served as the location for its Secretariat. The Secretariat organised an IADA meeting in conjunction with the WADA Executive Committee and Foundation Board meetings in 2014 in Paris, France. The topics discussed at the meeting included projects of significance to antidoping organisations in various countries, such as the challenges associated with the implementation of the World Anti-Doping Code, the significance of communications and education in operations, the implementation of investigative methods, criminal law related to doping, the paperless implementation of testing, and the Nordic model for the analysis of blood and steroid profiles.

The country reports made it clear that several countries have allocated significantly increased resources to antidoping activities in order to implement the new Code. The IADA Secretariat is transferred to Norway for the years 2015–2016, during which a new Arrangement will also be drafted and signed.

NORDIC COOPERATION

Nordic cooperation is significant for the development of FINADA's activities and the joint efforts in international lobbying. Annual Nordic meetings address organisational solutions, funding, codes, testing, education and research. The 2014 meeting was held in Kirkenes, Norway on 19–21 May 2014. The meeting also discussed opportunities for Barents region cooperation and visited the Barents Secretariat, which plans and finances projects in the Barents region.

The operations of the joint Nordic unit specialising in the analysis of athletes' blood profiles (Nordic Athlete Passport Management Unit NAPMU) were developed further in 2014. The Nordic countries jointly finance the operations of the unit, which is managed in Oslo. In 2014, a very high-level expert group was established for NAPMU, athlete profiles were imported into the ADAMS system, and a strategy for service sales was prepared. NAPMU already provided consulting services to certain parties outside of the member countries.

RESEARCH

RESEARCH

FINADA promotes antidoping research by organising negotiations, providing information on funding options and, where necessary, supporting the launch of various minor projects. In 2014, the representatives of FINADA and United Medix Laboratories Ltd attended an invitational seminar on the scientific development of antidoping activities, organised by the United States Anti-Doping Agency (USADA).

WADA allocates USD 6,000,000 of its annual budget to international antidoping research in biomedicine and USD 200,000 to research in behavioural and social sciences.

United Medix Laboratories Ltd has been responsible for WADA-funded research projects in the field of antidoping in Finland. The focus of the laboratory's research has been on the development of analysis methods. A summary of the research carried out by United Medix Laboratories Ltd is provided in Appendix 6.

ATHLETE SURVEY

FINADA regularly asks athletes for feedback on doping tests it has carried out and on its operations in general, with the aim of improving the quality and functionality of doping control and antidoping work carried out by FINADA as well as uncovering any problematic areas.

In 2014, FINADA surveyed athletes' views regarding doping tests on three different occasions

in March, July and November. The survey population included all athletes who took doping tests during these months and the survey was available in both Finnish and English. The survey was conducted by sending a link to an electronic questionnaire to the athlete's e-mail address. All responses were processed anonymously. The response rate was 28.5%, which is slightly higher than in the previous years. Athletes were asked to assess the practical execution of doping tests (presentation of the notification of the doping test, information and instructions provided during the test, the sample sealing procedure, ease of use and reliability of doping test equipment, test premises, reliability of the doping test and general atmosphere during the test) as well as the behaviour of doping control officers (expertise, attitude, friendliness, trustworthiness and communications and language skills).

The responses to the 2014 athlete survey were very similar to those submitted in the previous years. A clear majority rated both doping control and the reliability of FINADA's operations as excellent. None of the respondents rated FINADA's reliability as poor. The majority of the athletes that responded to the survey also considered the atmosphere during the test and the actions and attitude of doping control officers as either excellent or good. Over 90 per cent of the respondents also rated FINADA's cooperativeness and fairness as either good or excellent.

For the first time, the 2014 surveys also included questions on where the athletes look for information on antidoping matters, or who they turn to for answers. Based on the responses, FINADA has a strong position among athletes as a source of antidoping information: Some 77.7 per cent of the respondents stated they look for information from FINADA, or ask questions from FINADA. Other sources of antidoping information mentioned were doctors (48.7%), other athletes (31.6%), coaches (28%) and sports federations (23.8%).

Athletes were also asked to assess the current state and future of antidoping work. Athletes' perceptions of the prevalence of the use of doping were surveyed by asking the respondents whether they thought the use of doping had influenced the results of one or more domestic and international sports competitions the athlete in question had personally participated in during the previous 12 months. The responses indicate that athletes believe doping is a much larger phenomenon internationally than domestically.

Athletes were also requested to provide suggestions for improvement to FINADA. FINADA has utilised the feedback in the training of doping control officers and the further development of testing activities. The feedback will also be utilised in the development of FINADA's education and training activities as well as its communication materials.

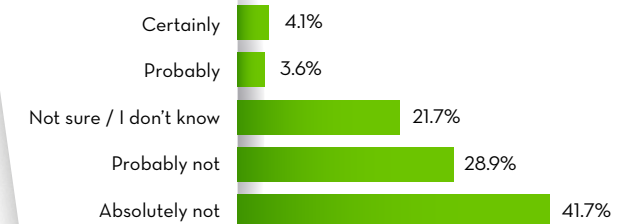


Chart 5. Assessment of the impact of doping on the results of domestic competitions over the previous 12 months.

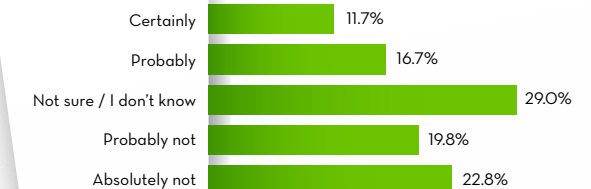


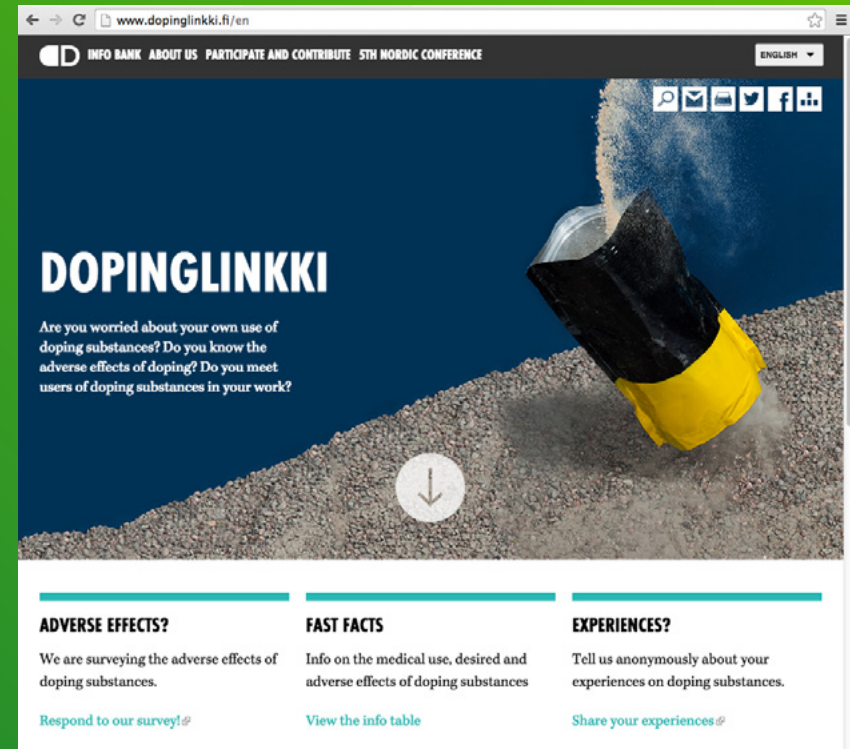
Chart 6. Assessment of the impact of doping on the results of international competitions over the previous 12 months.

DEVELOPMENT PROJECTS

RECREATIONAL ATHLETES' ANTIDOPING PROGRAMME

The Dopinglinkki online service provided by the A-Clinic Foundation is aimed at preventing the use of doping agents and the harmful psychological and physical effects resulting from their use outside of competitive and elite sports. Impartial and scientifically researched information on doping agents is distributed through the website's information, advisory services and training services. The service influences attitudes related to the use of doping agents and helps the users of doping agents, as well as their friends and family, and professionals from different fields who come across doping users in their work, recognise the harmful effects of doping agents. The advisory service for recreational athletes as well as health care and sports professionals is Finland's only expert service specialising in doping agents. FINADA participates in the steering and funding of the project and implements joint communication and marketing events with Dopinglinkki.

In 2014, the Dopinglinkki website reached over 50,000 visitors, of whom 83% were new visitors. After a complete visual redesign of the website, mobile use increased by 13%, and the number of questions sent to the health advice service grew by 16 per cent compared to the previous year. In various events, Dopinglinkki reached over 15,000 people interested in the subject of doping outside elite sports, with appearances on radio and television further reaching an audience of approximately half a million people. In addition to electronic services, Dopinglinkki experts delivered lectures at domestic and international conferences, trained professionals representing various fields, and actively participated in scientific research.



IN 2014, THE DOPINGLINKKI WEBSITE REACHED OVER 50,000 VISITORS.

FINANCES

IMPORTANT EVENTS DURING AND AFTER THE FINANCIAL YEAR

The finances of the Finnish Antidoping Agency FINADA are based on the financial subvention and separate project financing by the Finnish Ministry of Education and Culture. No joining or membership fees apply to members. In 2014, the Ministry of Education and Culture granted FINADA financial support amounting to EUR 3,000,000. Of the total amount, EUR 80,000 was allocated to the recreational athletes' antidoping project. FINADA received project funding as follows:

Acquisition of laboratory equipment	EUR 140,000
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Developing the antidoping work of sports federations in 2013–2015	EUR 40,000
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Implementation and translation work related to the WADA Code and Standards	EUR 15,000
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FINADA's accounts for 2014 show a surplus of EUR 34,101.19. FINADA's balance sheet shows equity amounting to EUR 561,000.54.

**THE MINISTRY OF EDUCATION
AND CULTURE GRANTED FINADA
FINANCIAL SUPPORT AMOUNTING
TO EUR 3,000,000.**

APPENDIX 1

FINADA BODIES AND STAFF

BOARD 2014-2015 (name and appointing organisation)

MEMBER:	DEPUTY MEMBER
Chair: Master of Laws Senior Vice President, Communications and CSR Pekka Ilmivalta Finnish Olympic Committee	Sports Director Mika Kojonkoski Finnish Olympic Committee
Vice-Chair: Master of Laws, Director Tuula Lybeck Ministry of Education and Culture	Master of Laws, Senior Advisor Heidi Sulander Ministry of Education and Culture
Members: Senior Advisor Hannu Tolonen Ministry of Education and Culture	Master of Social Sciences, Secretary General Minna Paajanen Ministry of Education and Culture
Professor, Chief Physician Olli J. Heinonen Ministry of Education and Culture	Master of Sport and Health Sciences, Senior Advisor Mari Miettinen Ministry of Education and Culture
Master of Laws, Senior Expert Petri Heikkinen Valo, Finnish Sport Confederation	Special Adviser Nelli Kuokka Valo, Finnish Sport Confederation
Docent in Physiatics, Chief Physician Olavi Airaksinen Finnish Society for Sports Medicine	Docent, Director Tommi Vasankari Finnish Society for Sports Medicine
Permanent Expert Member: Matti Keskinarkaus Finnish Olympic Committee, Athletes' Commission	

SUPERVISORY BOARD 2013-2014

JURIST MEMBERS	DOCTORAL MEMBERS
Chair: Licentiate of Laws Esa Schön	Licentiate of Medicine Heikki Laapio
First Vice-Chair: Attorney at Law, Master of Laws and Master of Economics Markus Manninen	Doctor of Medicine, Docent Heikki Tikkanen
Second Vice-Chair: Doctor of Laws, Professor of Sports Law Olli Norros	Licentiate of Medicine Jenni Leppävuori
Deputy Member: Attorney at Law Saara Raitala	Deputy Member: Doctor of Sport and Health Sciences, Licentiate of Medicine Esa Liimatainen
	SPORTS SPECIALISTS
	Doctor of Philosophy (Economics), Head of Development Jan Erik Krusberg
	Master of Arts Valentin Kononen
	Managing Director Maija Innanen
	Secretary: Master of Laws Katja Tukiainen

APPENDIX 1

THERAPEUTIC USE EXEMPTION COMMITTEE**Chair:**

Licentiate of Medicine,
special competence: Military Medicine
Matti Lehesjoki

Vice-Chair:

Doctor of Medicine,
Specialist in Sports Medicine
Katja Mjøsund

Licentiate of Medicine,
Specialist in Sports Medicine
Harri Helajärvi

Doctor of Medicine, Docent,
Resident in Pediatrics, Pediatric Endocrinologist
Päivi Miettinen

Doctor of Medical Science, Lecturer
Pekka Rauhala

AD HOC WORKING GROUP RESPONSIBLE FOR PLANNING THE CRITERIA AND THE EVALUATION SYSTEM OF SPORTS FEDERATIONS' ANTIDOPING PROGRAMMES

Finnish Ice Hockey Association
Markku Tuominen
Chief Medical Officer

Finnish Handball Association
Taneli Tiilikainen
Liaison Manager

Finnish Weightlifting Federation
Tomi Tolsa
General Secretary

Football Association of Finland
Sanna Pirhonen
Coach Education Coordinator

Finnish Orienteering Federation
Petteri Kähäri
Director of Sports and Coaching

Finnish Tennis Association
Riitta Närhi
Director of Communication

Finnish Taekwondo Federation
Laura Nipuli
Secretary General

Finnish Athletics Federation
Jorma Kemppainen
Director of Coaching

OFFICE

Secretary General
Pirjo Ruutu

Office Manager
Maarit Juvonen

Information Manager
Susanna Sokka

Education Manager
Samuli Rasila

Doping Control Manager
Katja Huotari

Quality Manager
Marjorit Nurmi

Doping Control Coordinator
Anna Heinilä

Doping Control Coordinator
Janne Väre

Secretary
Titta Villanen on child-care leave

Secretary
Oona Väänänen

Pharmacist
Anna Simula on child-care leave

Acting Pharmacist
Rasmus Granholm
until 31 August 2014

Acting Pharmacist
Heli Michallik
as of 18 August 2014

Medical Director (part-time)
Timo Seppälä

Legal Consultant (part-time)
Jussi Leskinen

Secretary of the Supervisory Board
(part-time)
Katja Tukiainen

APPENDIX 2

DOPING TEST STATISTICS 2014

Suomen Antidopingtoimikunta ADT ry:n kansallisen testausohjelman piirissä tekemät virtsa- ja veritestit vuonna 2014.

Alpine skiing	28	Floorball	125
American football	128	Rowing	34
Shooting	21	Orienteering	33
Biathlon	38	Taekwondo	24
Fitness	70	Artistic gymnastics	23
Football	146	Triathlon	50
Judo	25	Swimming	62
Ice hockey	234	Disabled sports	31
Basketball	100	Mixed martial arts	25
Handball	64	Powerlifting	158
Volleyball	108	Power bench press	39
Cross-country skiing	165	Nordic combined	32
Boxing	37	Athletics	170
Wrestling	75	Total	2,301
Weightlifting	76		
Finnish baseball	35	Other team sports	120
Speed skating	42	Other individual sports	349
Cycling	65		
Canoe racing	38	Grand total	2,770

Other team sports:

Aesthetic group gymnastics, bandy, beach volley, cheerleading, curling, futsal, ringette, rinkball, rugby, synchronised skating, TeamGym, ultimate, underwater rugby and water polo.

Other individual sports:

Aerobics (FISAF), masters athletics, archery, auto racing (go-kart, rally), badminton, boot throwing,

bowling, dancesport, diving, equestrian sports, fencing, figure skating, freestyle, golf, karate, kettlebell, kickboxing, military sports, modern pentathlon, moto racing (enduro, motocross, road racing, speedway, trial), mountain bike orienteering, rhythmic gymnastics, sailing, ski jumping, ski-orienteering, snowboarding, sport aerobics, squash, table tennis, taekwondo (ITF), tennis and whitewater canoeing.

Summary

In 2014, FINADA carried out 3,020 doping tests in Finland and abroad. A total of 2,770 tests were carried out under FINADA's national testing programme. A total of 81 of these tests were blood tests. In addition, FINADA took 276 blood samples as part of the national Athlete Biological Passport programme.

	FINADA	National federation	International federation/WADA	Tests, total
Out-of-competition tests	1,460	0	44	1,504
In-competition tests	1,310	4	202	1516
Tests, total	2,770	4	246	3,020

Antidoping rule violations

There were eight antidoping rule violations under FINADA's national testing programme.

Antidoping rule violations	Prohibited substance or other violation	Sanction
American football	anabolic agents	2 years
American football	anabolic agents	2 years
Fitness	anabolic agents	2 years
Football	β_2 -agonists	warning
Football	β_2 -agonists	warning
Cross-country skiing	EPO	2 years
Mixed martial arts	anabolic agents	2 years
Power bench press	diuretics	2 years

APPENDIX 3

EDUCATION EVENTS IN 2014

Date	Place	Organised/commissioned by	Target group	Participants
3 Jan. 2014	Lahti	The sports school of the Finnish Defence Forces	Young athletes	57
4 Jan. 2014	Tampere	Finnish Wrestling Federation	Coaches	80
11 Jan. 2014	Varala	The Healthy Athlete training	Coaches	16
16 Jan. 2014	Ypäjä	Equestrian Federation of Finland	Coaches	25
21 Jan. 2014	Helsinki	Mäkelänrinne Upper Secondary School (sports-oriented)	Young athletes	6
29 Jan. 2014	Kuortane	Kuortane Upper Secondary School (sports-oriented)	Young athletes	14
1 Feb. 2014	Varala	Finnish Gymnastics Federation	Young athletes	12
1 Feb. 2014	Varala	Finnish Gymnastics Federation	Athletes	22
7 Feb. 2014	Lappeenranta	South Karelia Sports Academy	Young athletes	60
10 Feb. 2014	Tampere	Sampo Upper Secondary School (sports-oriented)	Young athletes	38
14 Feb. 2014	Kuortane	Finnish Athletics Federation	Young athletes	35
20 Feb. 2014	Imatra	South Karelia Sports Academy	Young athletes	24
23 Feb. 2014	Pajulahti	Combat sports*	Coaches	31
27 Feb. 2014	Helsinki	Finnish Volleyball Association	Athletes	8
3 March 2014	Turku	Sport Academy of Turku Region	Young athletes	25
8 March 2014	Helsinki	Finnish Cheerleading Federation	Coaches	14
10 March 2014	Turku	Sport Academy of Turku Region	Young athletes	25
13 March 2014	Jyväskylä	University of Jyväskylä	Students	20
15 March 2014	Oulu	Oulun Uinti Swimming Club	Young athletes	30
16 March 2014	Pajulahti	Paralympic Committee	Young athletes	26
17 March 2014	Helsinki	Football Association of Finland	Coaches	15
27 March 2014	Helsinki	Mäkelänrinne Upper Secondary School (sports-oriented)	Young athletes	35
29 March 2014	Solvalla	Finnish Handball Association	Young athletes	60
29 March 2014	Helsinki	Finnish Fencing and Modern Pentathlon Association	Coaches	4
1 April 2014	Helsinki	Football Association of Finland	Coaches	25
8 April 2014	Helsinki	University of Helsinki	Health care personnel	120
9 April 2014	Helsinki	Hospital District of Helsinki and Uusimaa	Health care personnel	120
11 April 2014	Orimattila	Finnish Shooting Sport Federation	Young athletes	17
15 April 2014	Turku	University of Turku	Health care personnel	100
23 April 2014	Helsinki	Football Association of Finland	Coaches	25

APPENDIX 3

29 April 2014	Jyväskylä	University of Jyväskylä	Students	90
29 April 2014	Tampere	Sampo Upper Secondary School (sports-oriented)	Young athletes	36
3 May 2014	Riihimäki	Finnish Powerlifting Federation	Young athletes	15
13 May 2014	Helsinki	Mäkelänrinne Upper Secondary School (sports-oriented)	Young athletes	30
6 June 2014	Espoo	Finnish Chess Federation	Young athletes	25
10 June 2014	Lohja	Finnish Canoeing and Rowing Federation	Young athletes	30
11 June 2014	Helsinki	American Football Association of Finland	Athletes	30
17 June 2014	Vierumäki	Aino-Kaisa Saarinen Summer Ski Camp	Young athletes	46
23 June 2014	Vuokatti	Finnish Ski Association	Young athletes	90
26 June 2014	Vuokatti	Finnish Ski Association	Athletes	20
28 June 2014	Hankasalmi	Anssi Pentsinen Summer Ski Camp	Young athletes	35
30 June 2014	Rovaniemi	Aino-Kaisa Saarinen Summer Ski Camp	Young athletes	52
18 July 2014	Lohja	Finnish Dance Sport Association	Athletes	30
25 July 2014	Lohja	Finnish Weightlifting Federation	Coaches	10
28 July 2014	Pajulahti	Badminton Finland	Young athletes	32
28 July 2014	Pajulahti	Badminton Finland	Young athletes	41
2 Aug. 2014	Vierumäki	Olympic Committee	Athletes	27
6 Aug. 2014	Helsinki	The sports school of the Finnish Defence Forces	Athletes	40
9 Aug. 2014	Vierumäki	Finnish Cheerleading Federation	Young athletes	126
9 Aug. 2014	Vierumäki	Finnish Cheerleading Federation	Athletes	127
24 Aug. 2014	Kisakallio	Finnish Ringette Association	Young athletes	40
24 Aug. 2014	Kisakallio	Finnish Ringette Association	Young athletes	40
24 Aug. 2014	Kisakallio	Finnish Ringette Association	Athletes	40
27 Aug. 2014	Huittinen	LP-Vampula Volleyball Club	Athletes	25
29 Aug. 2014	Lohja	Luksia Adult Education Institute	Health care personnel	20
1 Sep. 2014	Helsinki	Mäkelänrinne Upper Secondary School (sports-oriented)	Young athletes	30
1 Sep. 2014	Helsinki	Mäkelänrinne Upper Secondary School (sports-oriented)	Young athletes	30
6 Sep. 2014	Pajulahti	Finnish Skating Association	Athletes	30
6 Sep. 2014	Kokkola	GUS Kokkola swim club	Athletes	27
12 Sep. 2014	Kuortane	Finnish Volleyball Association	Coaches	20
13 Sep. 2014	Vuokatti	Finnish Ski Association	Coaches	30
18 Sep. 2014	Pajulahti	Pajulahti sports centre	Students	30
23 Sep. 2014	Kokkola	Central Ostrobothnia Sport	Officials	15

APPENDIX 3

24 Sep. 2014	Kokkola	Central Ostrobothnia Sports Academy	Athletes	80
3 Oct. 2014	Vierumäki	Terveystalo	Health care personnel	40
21 Oct. 2014	Vöyri	Vaasa Region Sports Academy	Young athletes	90
23 Oct. 2014	Lahti	Menestyksen Avaimet	Other	10
25 Oct. 2014	Helsinki	Finnish Aeronautical Association	Officials	45
28 Oct. 2014	Vuokatti	Vuokatti Sports Academy	Athletes	40
28 Oct. 2014	Hämeenlinna	Olympic Committee	Coaches	50
29 Oct. 2014	Eerikkilä	Finnish Floorball Federation	Athletes	30
29 Oct. 2014	Eerikkilä	Finnish Floorball Federation	Young athletes	30
30 Oct. 2014	Vuokatti	Vuokatti Sports Academy	Athletes	40
5 Nov. 2014	Helsinki	Mäkelänrinne Upper Secondary School (sports-oriented)	Young athletes	30
10 Nov. 2014	Helsinki	Arcada	Students	20
10 Nov. 2014	Muonio	Finnish Biathlon Association	Athletes	8
10 Nov. 2014	Helsinki	Finnish Tennis Association	Coaches	20
10 Nov. 2014	Muonio	Finnish Biathlon Association	Young athletes	20
12 Nov. 2014	Turku	ÅIFK	Athletes	60
15 Nov. 2014	Helsinki	Equestrian Federation of Finland	Athletes	30
15 Nov. 2014	Lohja	Finnish Shooting Sport Federation	Young athletes	80
15 Nov. 2014	Kuortane	Finnish Bowling Federation	Coaches	10
16 Nov. 2014	Lohja	Finnish Canoeing and Rowing Federation	Officials	10
20 Nov. 2014	Espoo	Finnish Swimming Association	Coach	20
25 Nov. 2014	Tampere	Varala Sports Institute	Students	22
26 Nov. 2014	Helsinki	Olympic Committee	Athletes	17
27 Nov. 2014	Kuortane	Finnish Athletics	Young athletes	10
1 Dec. 2014	Rovaniemi	Ounasvaara Upper Secondary School (sports-oriented)	Young athletes	35
4 Dec. 2014	Lahti	Päijät Häme Sports Academy	Young athletes	79
6 Dec. 2014	Pajulahti	Finnish Athletics	Young athletes	36
12 Dec. 2014	Vierumäki	Finnish Weightlifting Federation	Coaches	10
12 Dec. 2014	Vierumäki	AKK Motorsport	Athletes	24
13 Dec. 2014	Pajulahti	Finnish Athletics	Young athletes	35
20 Dec. 2014	Pajulahti	Triathlon Finland	Young athletes	11

94 lectures

3,440 participants

*judo, boxing, taido, taekwondo, muay thai, karate, krav maga and kickboxing

APPENDIX 4

FINADA INFORMATION STANDS AT SPORTING EVENTS IN 2014

European Wrestling Championships	1-6 April	Vantaa
Ice Hockey Men's U18 World Championships	17-27 April	Lappeenranta
IWG Conference 2014	12-15 June	Helsinki
RX Finland Rallycross World Championship event	28-29 June	Kouvola
World Goalball Championships	4-5 July	Espoo
Weightlifting Baltic Cup Championship	26 July	Lohja
World Junior Synchronised Swimming Championships	2-3 Aug.	Helsinki
Hiihtosuomi ski event	27 Sep.	Helsinki
Varala Cup	18.10.	Tampere



Photo: IWG Soile Kailanto



Photo: AKK-Motorsport Juuli Aschan



Photo: VAU Lauri Jaakkola

APPENDIX 5

FINADA'S INTERNATIONAL REPRESENTATION IN 2014

THE WORLD ANTI-DOPING AGENCY WADA

WADA cooperation meeting with international federations and national antidoping agencies	Pirjo Ruutu Katja Huotari Marjorit Nurmi
TUE Expert Group	Katja Mjøsund
Laboratory Expert Group	Tiia Kuuranne Yhtyneet Medix Laboratoriot Oy
TUE Symposium	Katja Mjøsund Heli Michallik

INSTITUTE OF NATIONAL ANTI-DOPING ORGANISATIONS INADO

Board of Directors and General Assembly	Pirjo Ruutu
Training Symposium	Pirjo Ruutu Samuli Rasila Susanna Sokka
International Cycling Union (UCI) evaluation assignment	Marjorit Nurmi

COUNCIL OF EUROPE

Monitoring Group for the COE's Anti-Doping Convention	Pirjo Ruutu
Coordinating meeting for WADA issues	Pirjo Ruutu
Advisory Group on Education and seminar	Samuli Rasila Susanna Sokka
Scientific seminar	Marjorit Nurmi
Montenegro evaluation visit	Samuli Rasila

INTERNATIONAL ANTI-DOPING ARRANGEMENT IADA

Steering Committee	Pirjo Ruutu
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NORDIC COOPERATION

Secretary Generals' Meeting	Pirjo Ruutu Katja Huotari Marjorit Nurmi
Nordic Athlete Passport Management Unit	Pirjo Ruutu Marjorit Nurmi

OTHERS

Conference on the implementation of the World Anti-Doping Code Doping Autoriteit Netherlands	Pirjo Ruutu Katja Huotari Marjorit Nurmi
Expert assignment with the Armenian National Anti-Doping Organisation (ARMNADO) under an exchange agreement	Marjorit Nurmi Susanna Sokka
USADA Symposium on Anti-Doping Science	Marjorit Nurmi Tiia Kuuranne (United Medix Laboratories Ltd)
National Anti-Doping Agency of Romania conference on doping control and training	Katja Huotari Samuli Rasila Susanna Sokka
European Athletic Association, delegate	Pekka Pitkälä FINADA-authorised doping control officer

APPENDIX 6

SUMMARY OF RESEARCH BY UNITED MEDIX LABORATORIES LTD.

1. SCIENTIFIC PUBLICATIONS

1. Kuuranne T, Saugy M, Baume N. Confounding factors and genetic polymorphism in the evaluation of individual steroid profiling. *Br J Sports Med.* 2014 May;48(10):848–55.
2. Kobayashi M, Pelander A, Ketola RA, Leinonen A, Kuuranne T. Targeting misuse of 2-amino-N-ethyl-1-phenylbutane in urine samples: in vitro-in vivo correlation of metabolic profiles and development of LC-TOF-MS method. *Drug Test Anal.* 2014 Mar 28. doi: 10.1002/dta.1642
3. Thevis M, Kuuranne T, Geyer H, Schänzer W. Annual banned-substance review – Analytical approaches in human sports drug testing. *Drug Test Anal.* Accepted for publication 2 December 2014.

2. RESEARCH GRANT APPLICATIONS

1. Screening of both prohibited substances and drugs and drugs-of-abuse for revealing possible drug interactions (DRUPROSC), WADA, negative funding decision.

3. ONGOING RESEARCH PROJECTS

1. Development of standardized methods for the determination of hCG in urine (Helsinki University Hospital). Project completed 5/2014. *Funding: WADA*
2. Kuuranne T, Leinonen A. G, Heidi Hossi, Master's Thesis, Master of Science (Pharmacy), Pharmaceutical Chemistry: Universal LC-MS/MS application for the screening of compounds relevant in drugs-of-abuse and doping control analysis. *Funding: United Medix Laboratories Ltd*

4. SCIENTIFIC PRESENTATIONS AND LECTURES

1. Kuuranne T, Doping control laboratories and WADA, 19 January 2014, Vierumäki. *Event: FINADA's training seminar for doping control officers*
2. Kuuranne T, Targeting misuse of designer drugs: An example on method development for the detection of 2-amino-N-ethyl-1-phenylbutane in urine samples, 25.3.2014, Cologne, Germany. *Event: Cologne Workshop*
3. Kuuranne T, Urheilun taustapeili, Radio interview / Jouko Vuolle, 30 min, 10 February 2014.. *Event: YLE*
4. Kuuranne T, Mass spectrometric methods in doping control, Faculty of Pharmacy, 12 February 2014. *Event: University lecture*
5. Kuuranne T, Measurement uncertainty: Determination and update – how and when? 22 May 2014, Oslo, Norway. *Event: Nordic Anti-Doping Laboratory meeting*
6. Kuuranne T, WADA Code and ISL: New versions of 2015 – summary of significant changes, 23 May 2014, Oslo, Norway. *Event: Nordic Anti-Doping Laboratory meeting*
7. Nordic Anti-Doping Laboratory meeting, Flexible scope of accreditation: Implementation and maintenance, 23.5.2014, Oslo, Norja. *Event: Nordic Anti-Doping Laboratory meeting*
8. Kuuranne T, Blood as a doping sample, 20 September 2014, Helsinki. *Event: FINADA's training seminar for blood*
9. Kuuranne T, WADA requirements for accredited laboratories. 10 October 2014, Helsinki. *Event: Laboratory Medicine Conference*
10. Leinonen A, New methods in drug analytics. 10 October 2014, Helsinki. *Event: Laboratory Medicine Conference*

5. POSTER PRESENTATIONS

1. Harju L, Uusalo R, Kuuranne T, Leinonen A. LC-MS/MS method development of an initial testing procedure for prohibited substances in sport. *Event: Cologne Workshop*

6. OTHER SCIENTIFIC ACTIVITY

1. Leinonen A, Kuuranne T, Members of the organising committee, “Trends in New Drugs and Drug Abuse” 40th Anniversary Symposium of the Clinical Chemistry Research Foundation, 7 April 2014, Helsinki.
2. Kuuranne T, Member of the organising committee, “5th Nordic Conference on Appearance and Performance Enhancing Drugs and Anti-Doping Work”, Helsinki, 24–25 September 2015.
3. Kuuranne T, Laboratory Expert Group member, WADA.
4. Kuuranne T, World Association of Anti-Doping Scientists (WAADS), Member of the Executive Board..
5. Kuuranne T, “Drug Testing and Analysis” publication, Wiley, associate editor.
6. Kuuranne T, docent, Pharmaceutical Chemistry, Faculty of Pharmacy, University of Helsinki.
7. Ristimaa J, Finnish Chromatographic Society, Member of the Board.



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