SiS

2018

THE YEAR IN RE VIEW

SiS

Global solutions for a smarter society

Swedish Institute for Standards

sis

SIS is part of ISO and CEN, a network of experts who work to create international standards. With us, private-sector and public-sector stakeholders alike can take initiatives and collaborate on best practices that promote Sweden's competitiveness and encourage the smart, sustainable development of society.

SIS acts as project manager for Swedish and international efforts to develop standards and to promote their use. We also offer training, services and products that help our customers to develop their businesses and create societal benefits with the help of standards. For more information, visit sis.se.

OUR MISSION
SIS has two main missions:
- Promote the use of standards everywhere in society where they can bring benefits and thus help to advance society.
- Optimise Sweden's influence on international standardisation activities to increase our competitiveness.

OUR VISION
SIS's vision is to be the world's best standard-setting organisation.

"Finding solutions in close collaboration"

Thomas Idermark
CEO, SIS

SIS is continuing its efforts to strengthen the competitiveness of Swedish businesses. We do this by rallying Swedish society around participation in shaping the international rules of the game for trade and export. More than 4,000 Swedish experts take part in these efforts, representing 2,000 unique companies, government agencies and organisations. Within ISO alone, there are over 100,000 experts and 161 countries that interact. Within Europe and CEN, there are 34 countries that create European standards in close cooperation. Standardisation activities have been taking place for 100 years, and in many cases lay the foundation for effectiveness in trade and thus prosperity.

My hope is that this international cooperation will continue and be further strengthened. The world is facing major challenges today, such as climate change, protectionism and growing gaps in society. In all likelihood, the solutions lie in increased cooperation and participation, not the opposite. For a small, export-dependent country like Sweden, it is critical that this happens and that we take an active role in this arena.

In recent years, SIS has succeeded in becoming an even more robust channel for Swedish society to be able to participate and make its voice heard. Today we are among the top five, ten standardisation countries and exert a strong influence on our international organisations ISO and CEN. Within ISO we make up an impressive 6 percent of the available world secretariats. Our strong industry and well-organised society make this possible. I hope that we can reach even bigger numbers from the Swedish business community and society at large so we can take additional positions internationally. New areas are constantly emerging within artificial intelligence (AI), e-health, automation, robotics and transport solutions, to name a few. Sweden must take an early position in these areas. It will boost our competitiveness and contribute to creating the solutions society needs the most.

It is gratifying to see how more and more people are recognising the importance of standardisation. In 2018, the government adopted a new standardisation strategy, and revenues from participation in SIS achieved an all-time high. These are good signs at a time when the solutions to our major challenges must be found in collaboration. I'm very optimistic about opportunities for SIS in the coming years but also for the international standardisation system as a whole. More than ever, in a world where some try to tear things apart we need opposing forces that keep us together. ■

PHOTO: JOHAN KNOBE

In 2018, the government adopted a new standardisation strategy and SIS participation revenue reached an all-time high. These are good signs, according to SIS CEO Thomas Idermark.

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Annual activity report

News, events, international collaboration and focus areas from the past year.

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Our work in 2019

New forms of digital distribution for standards are a priority for 2019.

12 ——————————————

Customer successes

ASTAZERO
For AstaZero, the world leader in testing self-driving cars, standardisation is crucial so that development doesn't come to a grinding halt.

SONY MOBILE COMMUNICATIONS
Johan Grundström Eriksson talks about efforts to develop a new standard for innovation management.

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Sustainability

SIS is gearing up its sustainability work and will start publishing an annual sustainability report in 2020.

16 ——————————————

Products and services

In 2018, SIS developed dozens of new digital tools to support the implementation and application of standards.

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2018 ANNUAL ACTIVITY REPORT

A new Swedish standard for residential care homes and SIS participation in several international standardisation activities are among the highlights of the year.
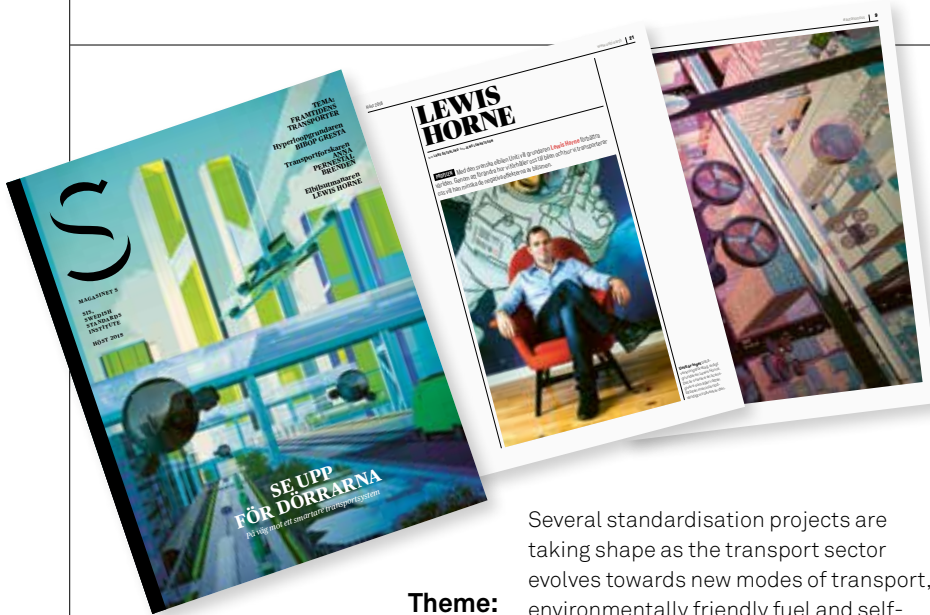
Theme:
Transport of the future

Several standardisation projects are taking shape as the transport sector evolves towards new modes of transport, environmentally friendly fuel and self-driving technology. In 2018, SIS focused on a thematic issue of Magasinet S on the subject of future transport, and established new contacts and networks through events around this topic.

23

In 2018, SIS launched 23 new collaborative initiatives with Vinnova, the Swedish Energy Agency and other agencies around innovation, research and development. These involve training, feasibility studies and standardisation issues in everything from UV technology, chemistry in textiles and grey water to teaching materials. Some have already been implemented while others will continue until 2021.

New international standard for occupational health and safety

SIS leads a global working group that has developed a new ISO standard for OHS management systems, ISO 45001. "The standard will help organisations to reduce work-related illnesses, accidents and, therefore, human suffering and bring down costs at different levels through methodical health and safety efforts," says Anna Gruffman, chair of the Swedish committee.

This international effort is unique. In the past, the ISO countries were not even able to agree on starting the project. The previous attempt roughly 15 years ago resulted in OHSAS 18001, which is used by many organisations around the world but is not an international ISO standard. 86 of ISO's 162 member states have now contributed to the process of developing ISO 45001.

The standards podcast is now broadcasting.
Listen to the episode on ISO 45001 – the world's first standard for OHS management. sis.se/standardpodden

Safer food handling with a new edition of ISO 22000

Many diseases can spread throughout the food chain, and sustainable food production is one of our greatest challenges. The globalisation of the food industry further complicates food safety. Together with Swedish stakeholders, SIS has taken part in producing the new edition of ISO 22000 for all companies that handle food, which since 2018 has been adapted to better suit modern needs.

From farm to fork. Safe and sustainable management throughout the food chain.

"Standards are ultimately about being involved in creating competitiveness and efficiency. We make sure that Sweden keeps pace, improve our position ahead and create welfare in Sweden. SIS really generates societal benefits, and I see a potential for more going forward. This is what drives me."

BO-ERIK PERS, CHAIRMAN OF THE BOARD, SIS

Cost of environmental impact is measured

There are different ways of measuring the cost of environmental impact, but the lack of common standards makes it difficult to know what the different numbers represent. Thanks to Sweden's initiative, work on a new standard began which is expected to be completed in 2019. "Different groups put a price on the environment in different ways. We need a standard – a common language – to understand what it means and to increase transparency," says Sara Palander, director of the research centre Swedish Life Cycle Center at Chalmers University who is participating in the initiative.

Sweden leads international group on plastics recycling

During the year, it became clear that Sweden will run a new international working group within ISO for plastics recycling. The decision was taken during the annual ISO meeting week for plastics held in Japan. The chair will be Kristin Geidenmark Olofsson, innovation and sustainability manager at Trioplast..

SIS leads EU standard for public procurement

SIS is leading a European effort to develop an "integrity and accountability" standard for public procurement. Its main objective is to improve credibility and confidence in the procurement process and to ensure the effective implementation of agreements and commitments – without bribery, cartels or conflicts of interest.
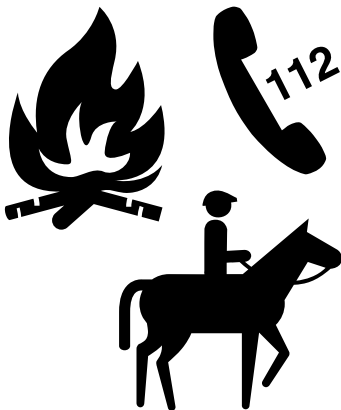
19
new public symbols

Telephone hotlines, campfire sites and horseback riding are some of the SIS standard information symbols used in public contexts in society. These public symbols were updated in 2018, and 19 new symbols have been added.

Nordic study:
Standards good for business

According to our study, "*The Influence of Standards on the Nordic Economies*", the use of standards has a positive impact both on the development of companies as well as the Nordic countries. According to the 1,179 Nordic companies that participated in the study, standardisation can be linked to 39 percent of labour production growth and 28 percent of GDP growth in the Nordic countries over the past few decades. An entire 87 percent of companies say that standardisation is important for their future business plans. You can find the entire study at sis.se.

The main benefits of participating in standardisation according to Nordic companies

82% Influence industry-level standards

75% Participate in networks with other experts

73% Get early information on changes

Source: *The Influence of Standard on the Nordic Economics*, Menon-Publication No 31/2018.

Companies' main reasons for using standards

34% Simplified access to foreign markets

32% Higher quality of goods and services

26% Manage risks, such as production defects or accidents

Source: *The Influence of Standard on the Nordic Economics*, Menon-Publication No 31/2018.

The study covers the period 1976–2014 and was conducted on behalf of SIS (Swedish Institute for Standards), DS (Danish Standards), SN (Standards Norway), SFS (Finnish Standards Association) and ST (Standards Iceland).

EU-wide e-invoicing

Now it will be easier for businesses to do business within the EU. Thanks to a new law and the SS-EN 16931-1:2017 standard, all public activities in the EU will begin to build their invoice processing on a common foundation. The standard describes the business terms in an e-invoice and rules for how it is structured, so that different invoice management systems can share information.

Projects for a sustainable textile value chain

During the year, SIS participated in two different Vinnova-funded projects on the current issues of chemical substances, traceability, transparency and resource efficiency in the textile value chain. For follow-up and possible standardisation efforts, a new working group has been created under SIS/TK 160, textiles.

Unique Swedish standard for quality assurance of residential care homes

The quality of care in a residential care (HVB) home should be equally good regardless of where the home is or who runs it. Therefore, together with around 20 operators from different sectors, SIS has developed a standard for quality assurance of these homes.

"The standard provides a broad guide in the areas that are important for conducting residential-based care of good quality."

Tobias Widar, deputy regional manager at Humana Individual & Family, who participated in the efforts.

5

EXAMPLES OF NEW AND REVISED STANDARDS COMPLETED IN 2018:
SS 41000: Quality assurance of residential care homes.
ISO 45001: Occupational health and safety.
SS-EN 16931-1:2017: E-invoicing.
ISO 5001: Energy management system.
SS-EN 16942: Fuel labelling.

"We are all inter-connected in today's global economy and value chains. If we want our standards and our work to have an impact, we've got to ensure that standards are used at all stages of the value chain."

ISO president John Walter highlighted efforts to support the standardisation work of developing countries during his visit to Stockholm in the spring of 2018.

Our work in 2019
– customer value in focus

New forms of digital distribution for standards are a top priority for us during 2019. More digital and more customised products are on the agenda.

In 2019, SIS will begin a major investment in product and business development. The basic operations that SIS has conducted in the past work well and continue to show great potential to evolve. In addition, major changes will be required over the next five to ten years as regards the way standards or other products are distributed. Already, the subscription model for standards accounts for over 80 percent of purchases, but digital and more customised new products will be needed. An interesting comparison can be made with the film and music industries, which underwent a total transformation ten years ago. SIS will be subject to the same pressure to adapt, except that we are trying not to be taken by surprise. We have started our digitalisation journey and make use of new business logic because we know that our customers will demand it from us.

New distribution models and channels
The benefits of producing standards lies mainly in their use. This means that we must be able to ensure that the knowledge gathered in our standards can bring benefit in the environments where they can be best leveraged. Demand for more customised, searchable databases will increase. More standards will be disseminated and used embedded in other services or software. Our standards information must be more easily

"Standards will be increasingly needed. It is our responsibility to provide them in a relevant way."

combined with other information and must be machine-readable. These are just some of the distribution models and channels that we need to be able to manage going forward. This is the work we are beginning today in earnest.

Development projects
In 2019 we will initiate six different development projects as a first step towards ensuring our transition. In addition, we already have about 15 different external agreements with customers where new forms of dissemination and assimilation of standards are being tested. In the coming years, SIS will need to invest considerable resources to keep pace with developments. Simply put, this is necessary for achieving our goals and fulfilling the missions we have for businesses and for the wider society.

To keep costs down, SIS participates in several international networks and projects. Many national standardisation organisations find themselves in similar situations, which is why we are investigating the possibilities of cooperation and sharing costs. One example is the conversion of all European standards into a new XML format in order to make them more searchable. Several major IT initiatives are being made in ISO that we can utilise at a significantly lower cost. SIS needs to step up its efforts to collaborate on projects and investments

The SIS head office at Torsplan in Haga City in Stockholm, in one of Europe's environmentally top-rated office properties.

and has therefore been a leader in the formation of a group within ISO, precisely with the aim of identifying appropriate projects for cooperation between members.

Processes are being reviewed
In addition, the standardisation process itself will need to be modernised. Online standardisation will be launched during the year, as well as a new work approach where the committee participants only meet virtually. A new process tool for committee work is being developed, and the same thing for ISO's central document management. Machine-readable standards are also evolving. The intention is to digitise, streamline and shorten the development cycle for standards. This work is being carried out within ISO, CEN and SIS and all stakeholder efforts are needed. The important point is that we are coordinated and can benefit from each other's contributions.

Efforts to increase the use of standards
2019 is the first year in which we at SIS can concentrate on business development. So far, our change management has mainly focused on internal processes. This will also mean that the customer value of our investments will be clearer. We have started a market intelligence initiative with regard to appropriate additions to our current services. Training, implementation, certification and consultancy support are examples of areas that have touchpoints with other efforts to increase the use of standards. Standards will be increasingly needed to stimulate trade and exports. It is our responsibility to ensure that we provide them in a relevant way. That journey has already begun! ■

All possible scenarios a self-driving vehicle can be subjected to are simulated at AstaZero's test facility outside of Gothenburg.

AstaZero tests vehicles of the future

Self-driving technology is developing at a brisk pace. Its goal is a smarter and safer transport system. For Swedish company AstaZero, the world leader in testing self-driving cars, standardisation is crucial so that development doesn't come to a grinding halt.

Outside Gothenburg, AstaZero has created a complete test environment that mimics reality. A self-driving vehicle needs to see the same things that a driver would see, and be exposed to the same environment as it would encounter in reality.

"It's not good enough to see if the car stops when it encounters a moose. The vehicle must be subjected to many different everyday scenarios such as intersections and overtaking – something that it will encounter when it's out in real traffic," says Monica Ringvik, CTO of AstaZero.

Test vehicles also need to be exposed to rain, snow and fog. Other things that can interfere with the sensors in self-driving cars are telecommunications – the air is not silent. And if the car drives in New York, the tall buildings would also affect the sensors in the vehicle. All of this can be simulated in AstaZero's test environment, which is one of the first of its kind in the world.

"In order to help industry be competitive, we've also got to be first. We are constantly developing the test system so that our

> *"Standardisation is needed to ensure comparability of results."*
>
> **PETER JANEVIK
> CEO OF ASTAZERO**

customers can test quickly and repeatably," says AstaZero's CEO Peter Janevik.

Cooperation and systematic work are important for AstaZero, and the company is involved in standardisation efforts within ISO on the products and services that may be relevant for autonomous transport systems.

"Standardisation is needed to ensure comparability of results. Without standards, there is a high risk that one manufacturer of test equipment becomes a standard and we get a market where a single player becomes dominant even if it does not offer the best solution. Standards give us a

way to use the breadth that exists among different stakeholders." In Sweden, a few major test projects have been conducted involving self-driving vehicles in public transport, including one in Kista and one in Gothenburg.

"But the trend towards self-driving cars isn't just about technology. The regulations have to keep up, and what we residents can accept will control how fast it happens. For example, how soon are we prepared to let an unmanned robot taxi pick up our children and take them to football training?" asks Ringvik. ■

AstaZero

AstaZero is a test bed for vehicles that was started up in 2010 and inaugurated in 2014. Asta stands for "active safety test area" and Zero refers to the Swedish parliament's goal of zero deaths in traffic in Sweden.
Owner: RISE and Chalmers University of Technology.
Financiers: The EU, the Swedish Agency for Economic and Regional Growth, Region Västra Götaland and the City of Borås.

Innovation the key to success

For Sony Mobile Communications in Lund, innovation paves the way to smart new solutions and services. Johan Grundström Eriksson describes the challenges of establishing organisational innovation and their work on a new guiding standard.

Why is innovation important for Sony Mobile?

"For Sony Mobile, a structured approach like innovation processes is the key factor in the transition beyond mobile phones. In 2020, a big part of our turnover will come from sources other than smartphones, such as smart products and smart services in the form of IoT solutions. Our goal is also to be a digital partner for developing digital solutions and services together with other companies in their ongoing digitalisation journey."

What is the driving force and challenge of innovation efforts?

"If you want to compete, you have great pressure on being able to adapt, stimulate ideas and develop the business based on reusing the strengths that already exist. One example has been how we, in our IoT solutions, have reused the experience of consumer products and our knowledge of how to build software for smartphones. But it requires a careful allocation of resources, and a major challenge in the accelerating digitalisation is to work quickly yet for the long-term and have perseverance."

How can a standard support innovation management?

"Anyone who will lead innovation in an organisation faces roughly the same issues: Where do you start? What are the constituent elements that need to be in place to address the necessary challenges

"A major challenge in accelerating digitalisation is to work quickly yet for the long-term and have perseverance."

in the innovation process? What challenges should we take on when, and in what order? A guiding standard will provide support when getting started and when planning and structuring your work to establish innovation capacity in the form of an innovation management system. You need a structured, long-term approach because the complexity, expectations and demands for results and returns on investment are growing over time."

Can you give some examples of services that have stemmed from the innovation initiative at Sony Mobile?

"One of the first results out on the market is Nimway for the smart office, which was launched at the IFA exhibition in 2017 and is now a new business area in Sony Europe.

Nimway improves the lives of both end users and employees at companies that use flexible workplaces by providing real-time data on how conference rooms, office space and premises are utilised.

Other examples are cloud-based solutions for tracking equipment and valuable goods that were developed during a project with Lund University Hospital in collaboration with companies in the logistics industry.

We also have an offer called Advagym, which digitises gym equipment without replacing all the machines in the gym with new ones. A clean-tech spin-off has also been created based on the product Otii, which measures actual power consumption in software and hardware version management. It's essential to design for low power so you get the longest battery life possible for the upcoming IoT boom, where everything is supposed to be connected wirelessly." ■

PHOTO: SONY MOBILE

Johan Grundström Eriksson leads Sony Mobile Communications' innovation efforts and is a member of the SIS Technical Committee that will develop a new standard for innovation management, SIS/TK 532.

SIS/TK 532

The SIS Technical Committee for Innovation Management, which participated in producing the ISO 65000 series (formerly ISO 50500).

In 2019, SIS will analyse its operations from a sustainability perspective and develop a strategy to reduce our environmental impact.

Sustainability

At SIS, we are proud of how Swedish and global standardisation work makes a direct impact on the development of a more sustainable society. We also see potential for improvement at the SIS office in Stockholm. This is why we have launched a project to map, evaluate and drive our sustainability efforts in anticipation of publishing a first annual sustainability report in 2020.

Welcome to follow our continued quality and sustainability efforts. Learn more about how we work and what we measure at:
sis.se/hallbarhet

**Standardisation efforts
and Agenda 2030**

All 17 global sustainable development goals in Agenda 2030 have a bearing on the standardisation areas that SIS is involved in. In addition, the use of standards for the achievement of Agenda 2030 has been established by the UN's Economic Commission for Europe. Standards support all three dimensions of sustainable development – economic, social and environmental. They can provide fundamental support in the work towards achieving the sustainability goals and contribute to innovative new solutions.

Some examples:
• Bribery is a huge obstacle to economic growth. By using ISO 37001, companies can reduce and prevent bribery.
• There are many standards for water and sewage, including ISO 24518 for drinking water and crisis management in the event of water shortages.
• To promote sustainability efforts in forestry, the ISO 38200 chain of custody for forestry products provides the capability to trace forest raw materials all the

way from forest to finished product.
• To help communities define sustainability goals and implement strategies to reach them, ISO 37101 is available for sustainable communities.
• ISO 45001 for occupational health and safety creates safe, healthy workplaces.
• ISO 26001 guides companies towards social responsibility through issues like increased gender equality and ethical working conditions.
• ISO 37101 helps communities define sustainability goals and implement strategies for achieving them.

Sustainability at SIS

At SIS, we apply an integrated management system for quality, environment, and workplace health and safety in our daily operations. The management system is a tool for ensuring that we meet the requirements, needs and expectations of employees, partners, customers and other stakeholders.

We are certified to the following systems:
• ISO 9001:2015 for quality
• ISO 14001:2015 for environment

• OHSAS 18001:2007 for occupational health and safety. We have now started working towards becoming certified to SS-ISO 45001:2018, which is the new applicable international standard for occupational health and safety.

SIS has two policies – a sustainability policy and a human resources policy. These policies are implemented within the organisation through a business plan and other established guidelines.

Sustainability reporting project

In the coming year, we will analyse our operations from a sustainability perspective and create a strategy for how we can work long-term on reducing our environmental impact and increasing our positive impact on the surrounding community.

One example of sustainability goals that we want to define and develop further is our potential to reduce travel for internal and external stakeholders through online solutions and digital meetings, a more sustainable and long-term approach that reduces our waste and resource consumption. ■
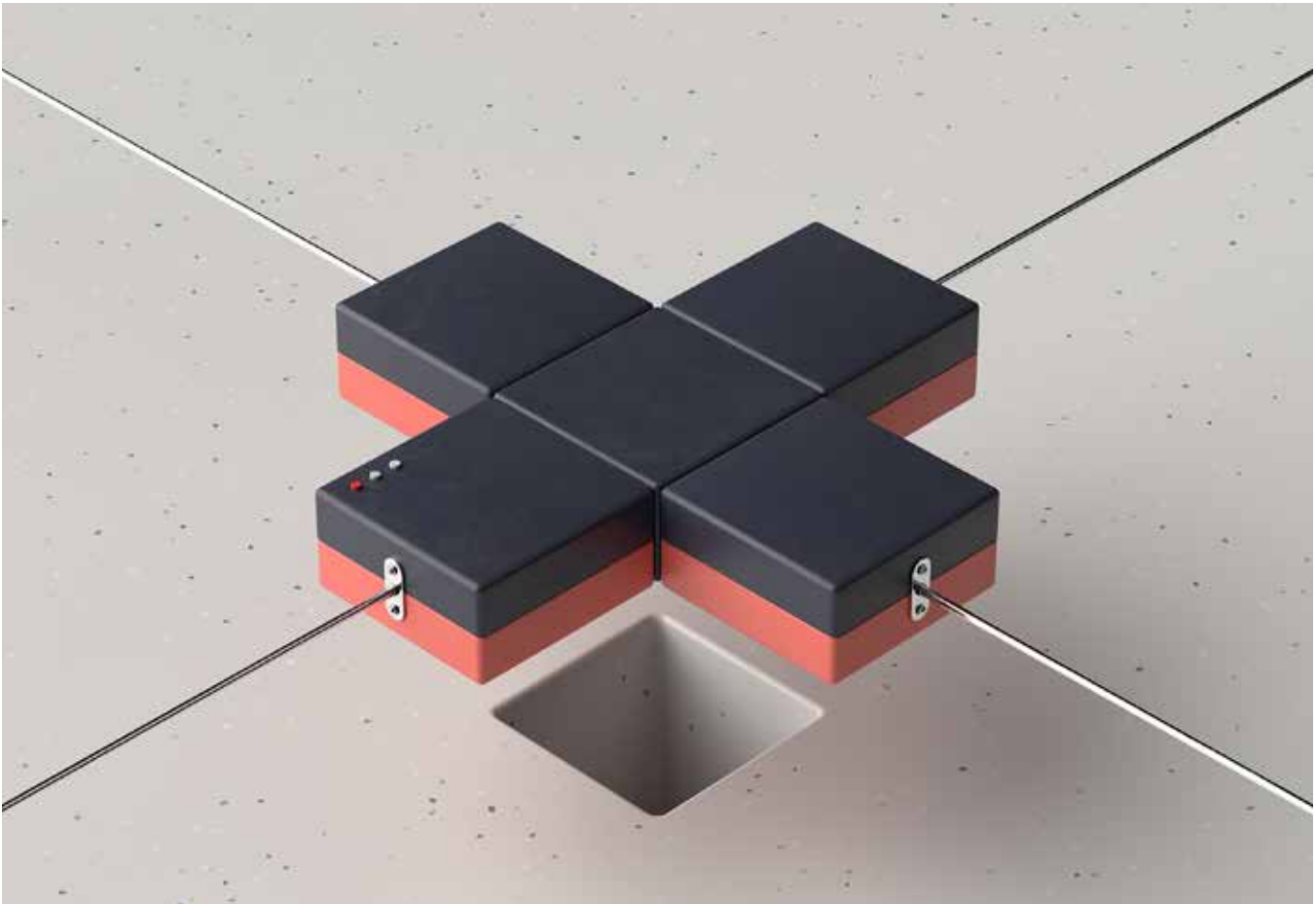
Products and services

**SIS is intensifying its efforts to meet customer expectations of stand-
ards. Over the past two years, SIS has developed dozens of new digital
tools to provide our customers with digital information and support in
the implementation and application of standards.**
Find out more! sis.se/bockeroverktyg

Standards
SIS has national and international stan-
dards for purchase that are all developed,
anchored and quality-assured under our
standardisation process. You can buy
a standard as an online PDF or in print.
format.

SIS Subscription
With the service SIS Subscription, you get
quick and easy access to the current stan-
dards that are relevant for your business.
This online library contains over 70,000
standards. The latest and any previous
versions are always available, and an

email is sent to you whenever a standard is
updated.

Bygghandlingar 90
A series of eight handbooks are avai-
lable on our website describing how
different building documents ("bygg-
handlingar") should be formulated based
on the Swedish construction sector's
recommendations.

Materialnyckeln 3.0
A guide to metallic materials. This product,
"Material Key 3.0", enables you to compare
metallic materials from different parts

of the world, find translations between
new and old designations, and obtain
mechanical strength data and chemical
composition..

Perspektiv
A magazine and web service that provides
support for people who work with manage-
ment systems and business development
on a daily basis.

Online services in collaboration
*In 2018, SIS developed online software in
collaboration with companies including
Worldfavor and Innovate Security Sweden.*

● ISO
● CEN
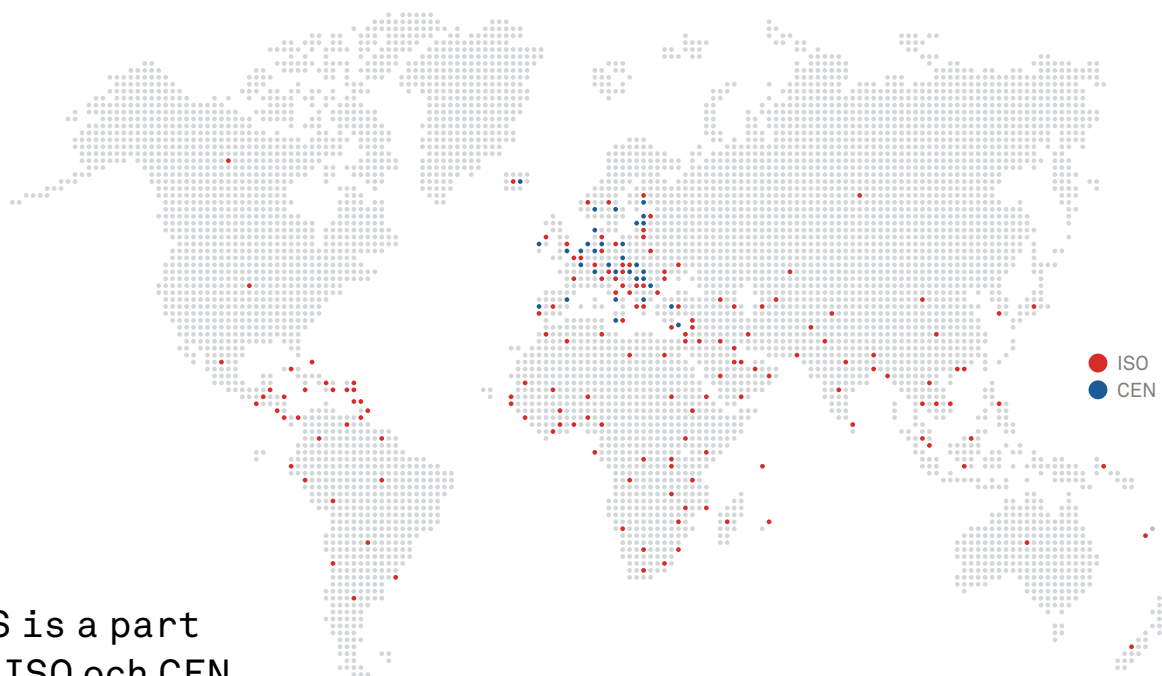
SIS is a part
of ISO och CEN

SIS is part of ISO and CEN, and our extensive worldwide network is becoming an increasingly important platform in global development. The challenges posed by climate change, digitalisation, urbanisation and rapid technological development create new needs for synergies and unconditional agreements that benefit all of society. This is reflected by the fact that almost all standardisation today is international, with only a small part being national. SIS holds a strong position and leads many secretariats within ISO, and it wants an active influence in ISO's development efforts and strategic positioning. SIS also participates in several international development projects that strengthen global standardisation activities, Sweden as a country and SIS customers. ■

Worldfavor
Facilitates documentation and analysis, and offers collaboration functionality. This tool gives you a visual overview with quick navigation to the different chapters of the standards.

QMP1090
A tool for the steel construction industry that shows the requirements you need to meet – everything from the designed quality system to the nuts and bolts on your job site.

SIS CE Check
A service if you quickly and efficiently need to CE-mark your electrical or electronic product. With SIS' CE Check service, you get complete support for taking your product through the entire CE marking process to obtaining the CE marking.

Training, conferences and corporate events
SIS has extensive experience and a wide range of qualification courses that provide practical guidance on how to use standards for business development. We also

"It is important to constantly work efficiently but still maintain quality. QMP 1090 is a simple, good tool for our designers who can easily verify that the right requirements are prescribed while getting the possibility to create specific inspection plans."

**JONAS EKLUND,
HEAD OF CONSTRUCTION AT
FORSMARK KRAFTGRUPP AB,
USES SIS' ONLINE SERVICES.**

offer tailored corporate training, events and free seminars.

SIS Conference Centre
The SIS premises at Torsplan in Stockholm house 10 modern meeting rooms in different sizes that you can book, with room for up to 200 people and including conference services.

Consulting services
SIS offers consultancy services such as interpretation of standards, internal audits, skills development for management teams and operational analyses.

Access to referrals on standardisation proposals
Proposals for standards are made available in two ways for those interested – in PDF format through SIS referrals and onscreen through the SIS service Kommentera.se
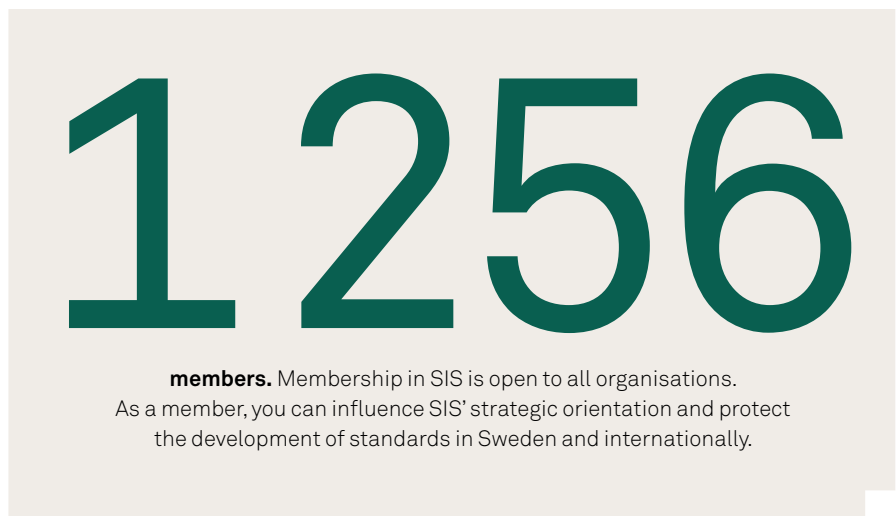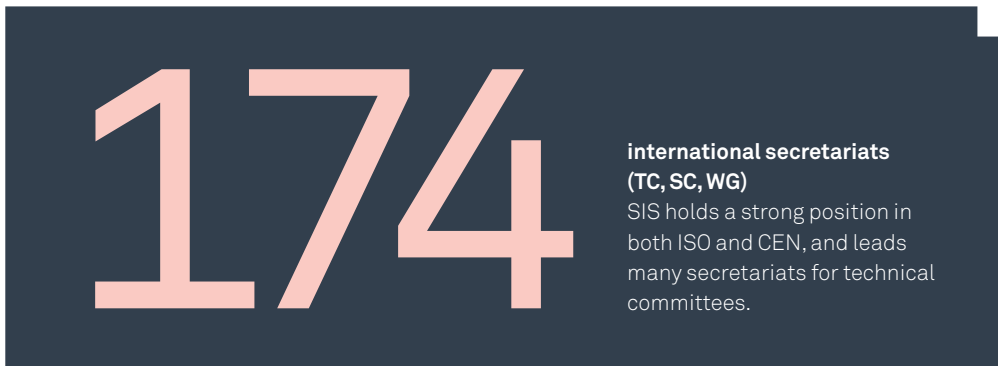
Magazines and newsletters
Magasinet S
Twice a year, we publish a magazine full of information on the latest societal issues, ideas, business development and societal benefits.

SIS Newsletter
We publish the SIS Newsletter five times a year. It provides readers with comprehensive information on the progress of our standardisation efforts, current conferences, training and more. ■
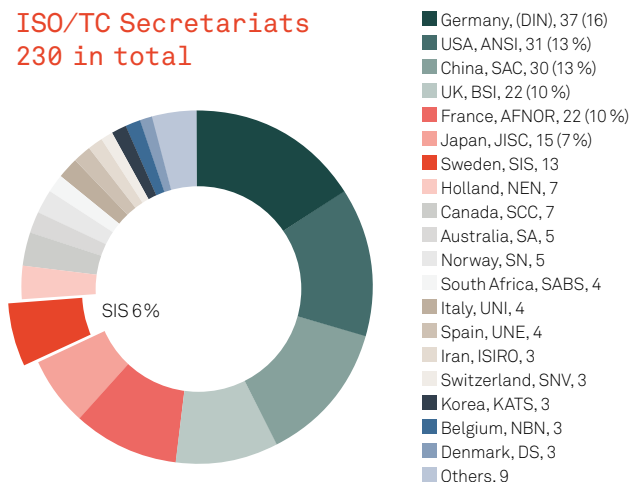
2018 IN FIGURES

More than 4,000 experts from 2,000 organisations participated in SIS standardisation efforts in 2018. More than 1,500 new and revised standards were published during the year.
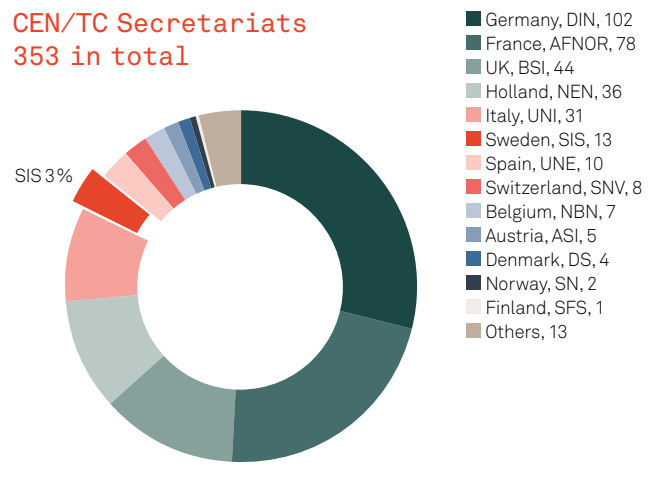
174

international secretariats (TC, SC, WG)
SIS holds a strong position in both ISO and CEN, and leads many secretariats for technical committees.

165 employees at SIS at year-end 2018/2019

9 606 customers purchased SIS products. In addition to standards, SIS offers books and digital tools that facilitate the interpretation and use of standards.

1 256

members. Membership in SIS is open to all organisations. As a member, you can influence SIS' strategic orientation and protect the development of standards in Sweden and internationally.

Swedish leadership in 26 international secretariats for technical committees

ISO/TC Secretariats 230 in total

SIS 6 %

- Germany, (DIN), 37 (16)
- USA, ANSI, 31 (13 %)
- China, SAC, 30 (13 %)
- UK, BSI, 22 (10 %)
- France, AFNOR, 22 (10 %)
- Japan, JISC, 15 (7 %)
- Sweden, SIS, 13
- Holland, NEN, 7
- Canada, SCC, 7
- Australia, SA, 5
- Norway, SN, 5
- South Africa, SABS, 4
- Italy, UNI, 4
- Spain, UNE, 4
- Iran, ISIRO, 3
- Switzerland, SNV, 3
- Korea, KATS, 3
- Belgium, NBN, 3
- Denmark, DS, 3
- Others, 9

CEN/TC Secretariats 353 in total

SIS 3 %

- Germany, DIN, 102
- France, AFNOR, 78
- UK, BSI, 44
- Holland, NEN, 36
- Italy, UNI, 31
- Sweden, SIS, 13
- Spain, UNE, 10
- Switzerland, SNV, 8
- Belgium, NBN, 7
- Austria, ASI, 5
- Denmark, DS, 4
- Norway, SN, 2
- Finland, SFS, 1
- Others, 13

1 659

new and revised standards published. We are always developing new standards that are in demand in all areas – from the simplest nail to advanced data communication.

1 921 participating companies and organisations.

286

Swedish standardisation committees
Anyone can contact SIS with suggestions for standardisation.

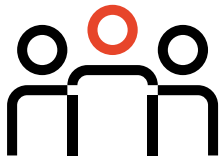**Most purchased standards of the year:**
SS-EN ISO 9001:2015
Quality management systems
Requirements
SS-EN ISO 14001:2015
Environmental management systems
Requirements and guidance
SS-ISO 45001:2018
Occupational health and safety management systems
Requirements and guidance

TRAINING ACTIVITIES:

Total number of participants:
3 349

Total completed training sessions:
269

4 233

participants. Participants in standards development on SIS technical committees receive early information about, and an opportunity to influence, future market requirements and guidelines for their industry.

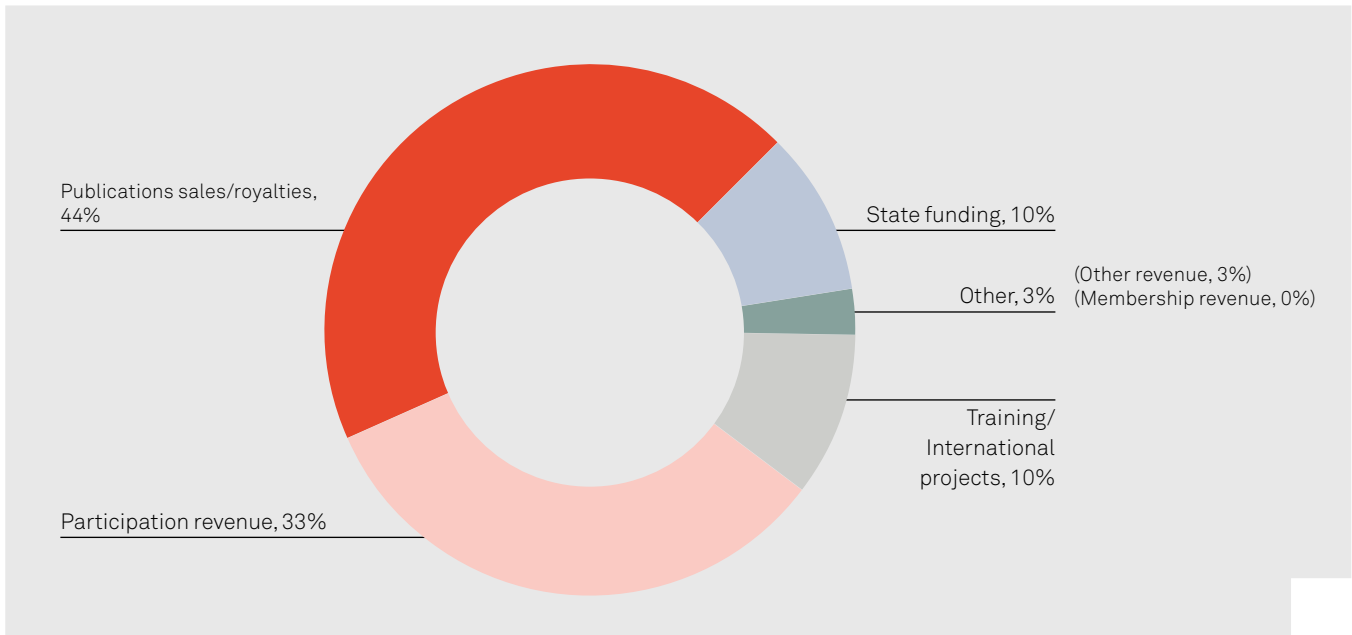Number of registered users of e-nav, the SIS subscription service for quick access to applicable standards:

31 969

SIS 2018 key ratios

SIS has several different revenue streams that grow from year to year, giving us more opportunities to invest in standardisation efforts and sales activities. Together with stable earnings, this means that SIS can guarantee its position as an independent, stable player in global standardisation. See the full financial report at sis.se/arsrapport
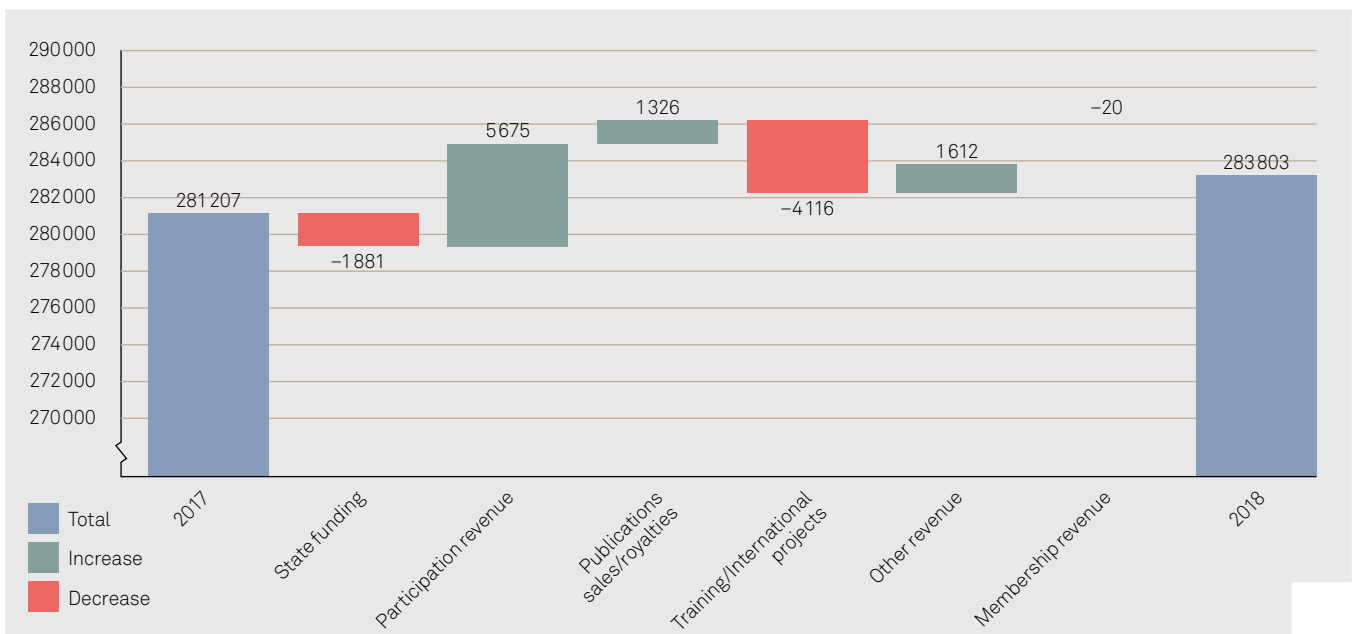
2018 revenues

SIS finances its operations through the sales of standards and training (54%), participation fees (33%), and state funding and project grants (10%).

Publications sales/royalties, 44%

State funding, 10%

Other, 3%

(Other revenue, 3%)
(Membership revenue, 0%)

Training/
International
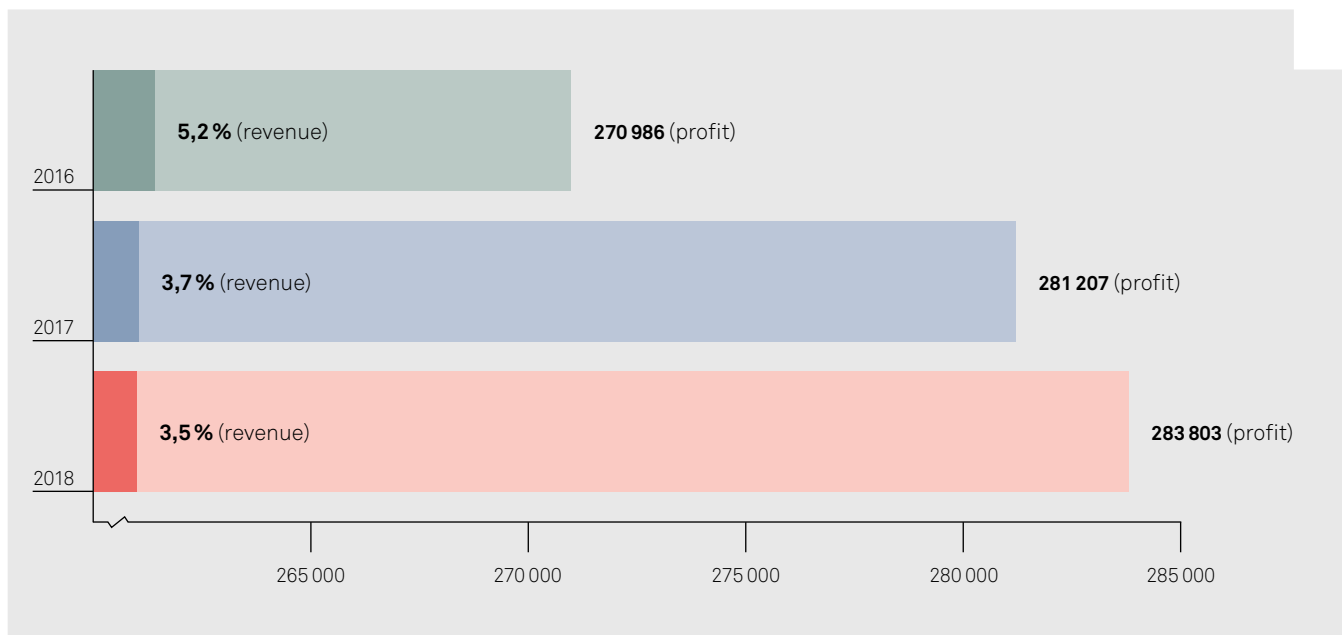projects, 10%

Participation revenue, 33%

Performance

Revenues are generally increasing but vary between different sectors. The start of a major international project has been delayed, which means that some expected revenue has not been forthcoming. Within training, a new organisation and staff shortages have adversely affected financial performance.

Total

Increase

Decrease

|	2017	State funding	Participation revenue	Publications sales/royalties	Training/International projects	Other revenue	Membership revenue	2018
	281 207	−1 881	5 675	1 326	−4 116	1 612	−20	283 803

Profit for the year in relation to revenue

SIS profits have been stable over the years. Revenues are rising, but profit for the year remains stable.
Excess profit is reinvested in standardisation and sales activities to increase the use of standards in society.

2016 — **5,2 %** (revenue)   **270 986** (profit)

2017 — **3,7 %** (revenue)   **281 207** (profit)

2018 — **3,5 %** (revenue)   **283 803** (profit)

265 000   270 000   275 000   280 000   285 000

Equity/assets ratio

SIS has a continued strong equity/assets ratio, which is important for our stability and autonomy. CEN and ISO have targets for how much equity the organisations should have in relation to annual staff expenses. SIS and CEN have a target of 12 months compared with ISO, which has 24 months.

The equity/assets ratio is a key financial ratio indicating the proportion of total assets financed by owner's equity.

40,6 %
Service companies in Sweden (SCB)

51,6 %
SIS

81,3 %
ISO
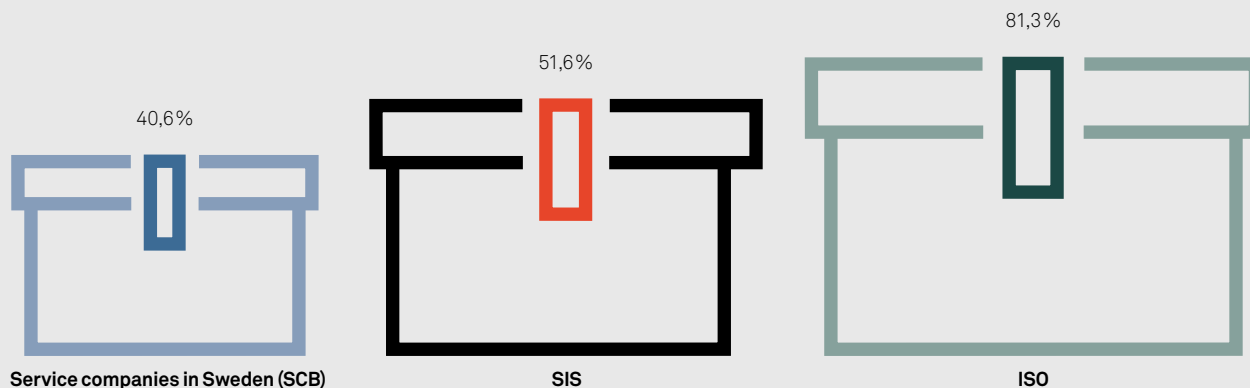
SIS MANAGEMENT TEAM

PHOTO: JOHAN KNOBE

BACK ROW:
Olivier Mercier, CFO
Erik Eklund, Head of Business and International Relations
Göran Blomqvist, , Marketing Manager
Helena Norrthon, General Counsel
Nina Burendahl, Analyst

FRONT ROW:
Annika Andreasen, Head of Standardisation
Carl-Niclas Odenbring, CIO
Elisabeth Darius, Head of Human Resources
Thomas Idermark, CEO
Niki Westerberg, Head of Communications

SIS BOARD

BACK ROW:

Anders G Lindberg, Research Manager Scania CV

Henrik Bergman, Department Head, Swedish Bankers' Association

Daniel Forslund, Deputy Regional Council of Region Stockholm

Bengt Rydstedt, SIS Project ManagerS

FRONT ROW:

Bo-Erik Pers, Chairman of the Board, CEO Jernkontoret

Eva Malmström Jonsson, Professor, KTH

Ulrika Francke, Full-Time Board Member

Carina Håkansson, CEO, Swedish Forest Industries Federation

Teresa Jonek, , Invest Stockholm Talent Attraction

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Institute for
Standards

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