

GREEK SCHOOL NETWORK

APRIL 2025

1. Introduction

Greek School Network (<https://www.sch.gr>) is the national network of the Ministry of Education, Religious Affairs and Sports, which safely interconnects Primary and Secondary education schools, including educational units abroad, lifelong learning service providers, services and supervised bodies of the Ministry of Education at central and regional level, students, teaching staff and other educators. Through this, the Ministry of Education provides the educational community with a set of advanced e-learning, communication and collaboration services, e-governance services, as well as user support and assistance services (article 32 of Law 3966/2011).

The GSN fully certifies all members of the school community (schools, administrative units, teachers, students and administrative staff). The possibility of strict certification is exploited by the Ministry of Education and its supervised bodies (e.g. IEP, CTI, etc.), for the provision of specialized e-learning and e-governance services.

Annex 1 gives the main data describing the large scale of the GSN.

Annex 2 summarizes the main services offered by the GSN.

Annex 3 presents the technological infrastructure of the GSN.

Annex 4 shows the GSN bodies and their duties.

Annex 5 shows data on accredited applications.

Appendix 6 shows the national and international citations that the GSN has received.

2. Administration

According to article 32 of Law 3966/2011, the administration and management of the GSN are exercised exclusively by CTI - Computer Technology Institute and Press "Diophantus". For this purpose, the Infrastructure and Networks Directorate of CTI "Diophantus" (<https://infra-nets.cti.gr/>) collaborates with specialized network teams from seven (7) Universities (AUTH, NKUA, University of Ioannina, University of Thessaly, University of Crete, University of West Attica, International Hellenic University) and the Research University Institute of Communications and Computer Systems of NTUA (RICCS). These entities, support the units in their region, and also, some of them develop and support dedicated web and online services of the GSN.

GSN as a public network collaborates with other two major national networks, that is GRNET (www.grnet.gr) and SYZEFXIS (<http://www.syzefxis.gov.gr>). GSN's technical teams have

contributed to the design of the Public Administration Network (SYZEFXIS I) and the Public Sector Network (SYZEFXIS II).

3. Services

GSN offers its members a wide range of electronic and web services for certification, secure access, information, communication, collaboration, multimedia, e-learning and e-gov. GSN utilizes various IT systems and internal procedures in order to efficiently monitor and supervise the aforementioned e-services, thus establishing a secure operational environment.

A brief list of the services provided, is shown below. A detailed description as also statistical indicators regarding the use of GSN's services are depicted in Annex 1 and 2.

1. GSN Network Connectivity

1.1 Broadband unit access

2. GSN User Management System

2.1 GSN Registration service

2.2 GSN Account recovery

3. User Support Service

3.1 GSN Portal

3.2 Help-Desk

4. Communication Services

4.1 Email

4.2 Emailing lists

4.3 Collaboration and communication services

5. Web-domain hosting

5.1 Web Hosting

5.2 Domain name hosting

5.3 Web analytics

6. e-Publications and Collaboration

6.1 Educational Communities and Blogs

6.2 Electronic school press

6.3 +grafis - Collaborative Documents and Calendars Service

7. E-learning services

- 7.1 e-class: Electronic classroom service
- 7.2 Teleconference service
- 7.3 Tele-education
- 7.4 Learning Activity Management Service

8. Multimedia Services

- 8.1 Video services
- 8.2 Live broadcasts
- 8.3 Multimedia Presentations services

9. Creative and Secure Internet Access

- 9.1 Secure Web Access
- 9.2 Internet safety portal
- 9.3 Computer Emergency Response Team
- 9.4 Initiatives for Safe and Creative Internet

10. ICT support services

- 10.1 Central user authorization service
- 10.2 Digital Certificates
- 10.3 School's ICT inventory service
- 10.4 Central School's registration service
- 10.5 Authorization – Authentication – Accounting (radius)
- 10.6 GSN's Integrated administration platform
- 10.7 SLA monitoring service
- 10.8 Network Traffic Monitoring Service
- 10.9 ICT Security Management System

4. Infrastructure

4.1 Network equipment

GSN is the largest public network in Greece, in terms of users it serves. Specifically, more than **16,100 schools and administrative units** as also a community of **1,100,000 pupils** and **180,000 teachers** and other staff (1,383,809 accounts) are connected to each other and have access on the Internet.

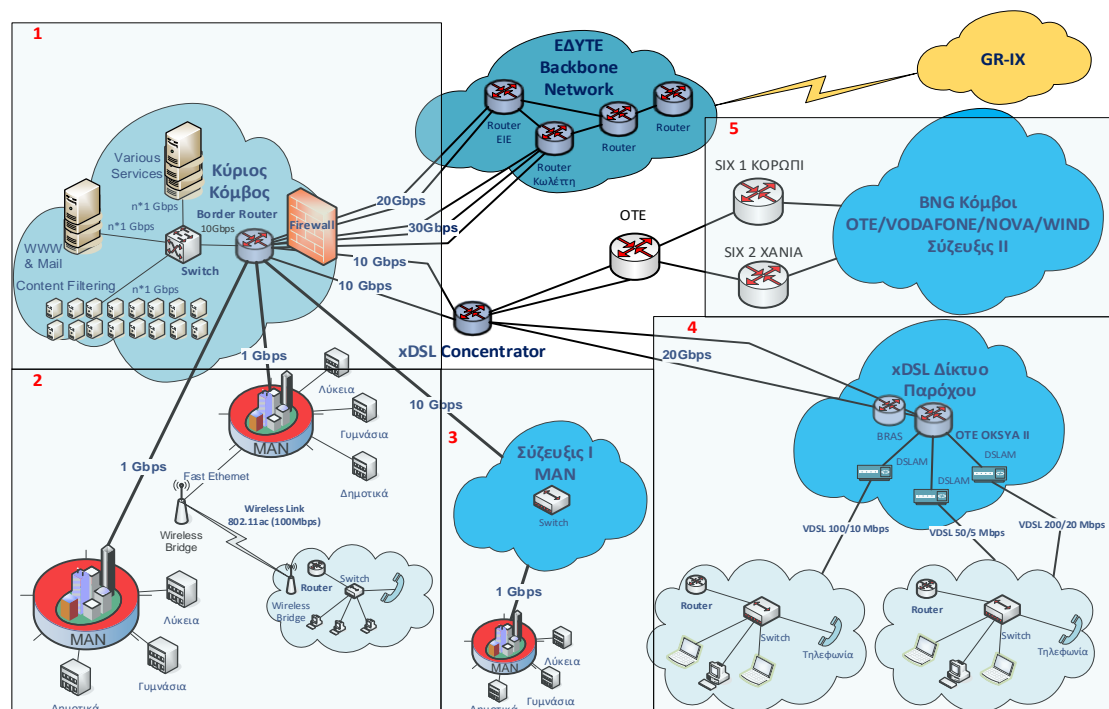
GSN utilizes state-of-the-art network technologies and is one of the top five school networks worldwide that adopted IPv6.

The GSN owns **117 nodes** in all country of which **51** are located within Hellenic Telecommunications Organisation S.A buildings in the prefecture capitals and **66** nodes are members of Metropolitan Optical Fiber Networks of the Municipalities of Greece.

The technical team of GNS is responsible for the proper operation of the backbone network and it manages more than 200 network devices.

Therefore, the average network traffic of GSN to the Internet is more than **30 Gbps** in a daily basis.

In 2013, GSN upgraded the network infrastructure of the Gravas' complex (the largest in Greece with 19 schools), using state-of-the-art optical and wireless technologies to serve more than 3,500 users.



GSN's network architecture

4.2 Main Data-Center

GSN, exploiting the available computational infrastructure, provides efficiently its services to more than **1,383,809 members** (i.e., schools, administrative units, teachers, pupils, etc.). The main data-center is located in Athens and a second one in Patras.

GSN's technical team is responsible for the operation of the data-centers mentioned above and manages efficiently more than 67 servers and network devices and 10 storage systems daily. Annex 3 provides the main IT components of GSN's infrastructure.

ANNEX 1

GSN's General Operational Data

User accounts	1.383.809
School unit accounts	<ul style="list-style-type: none"> • Primary Education School Units (Public): 9.211 • Primary Education School Units (Private): 1.017 • Secondary Education School Units (Public): 3.661 • Secondary Education School Units (Private): 261 • Post-secondary: 289 • Administrative Units (Primary Education): 58 • Administrative Units (Secondary Education): 60 • Regional Directorates: 14 • Educational Support Units: 291 • Other unit accounts (<i>i.e., school counselors etc</i>): 753
Personal accounts	<ul style="list-style-type: none"> • school unit accounts: 29.014 • Personal accounts: 1.354.795 <ul style="list-style-type: none"> ○ Personnel 4.368 ○ Teachers 141.425 ○ Deputies 37.951 ○ Teachers (Private Schools) 7.576 ○ SAEK teachers 26.095 ○ Pupils > 1.000.000 ○ Retired teachers 54.720
Broadband Indicators	<p>> 100 Mbps: 1.285 (11,50%)</p> <p>30 - 100 Mbps: 7.783 (69%)</p> <p>< 30 Mbps: 2.200 (19,50%)</p>
GSN's portal visitors (https://www.sch.gr)	> 105.000 unique visitors (typical month in 2024)
Central user authorization service (http://sso.sch.gr)	91 Accredited platforms and e-services
web-sites	28.730 active web-sites
Electronic classroom service http://eclass.sch.gr	<p>Members 46.211 teachers 311.710 pupils, 5.029 schools</p> <p>Courses 64.138</p>

e-Learning service http://e-learning.sch.gr	Members	77.236
	Content creators	1.635
	Teachers	2.475
	Courses	1.945
WebEx Teleconferences for teachers http://webex.sch.gr	users	191.238
	Teleconferences	44.200
	Minutes	>1.500.000
Educational Communities and Blogs http://blogs.sch.gr	Blogs	104.745 – 1.417.293 articles
	Members	129.383
	Groups	1.130
	Unique visitors	>500.000 (typical month of 2024)
School e-magazines http://schoolpress.sch.gr	Magazines	8.803
	Articles	81.532
	Unique visitors	>40.000 (typical month of 2024)
Collaborative documents http://grafis.sch.gr	Members	95.661
	Files	3.030.983
Video http://video.sch.gr	Uploaded Videos	12.995 (2.549 users)
	Groups	227
	Channels	259
Live broadcasts http://video.sch.gr/live	> 196	
User support service http://helpdesk.sch.gr	Year 2024	38.421 tickets
		>100.000 calls

ANNEX 2

GSN's Main Services

This section briefly presents the main services provided by the GSN to the school community.

Last update: **2025**

1. Broadband Connectivity

In all public schools and administrative units of both Primary and Secondary education, free broadband access is provided. The connections fees of public educational units with GSN and the Internet are covered by the Central Government Budget. The connectivity technologies (allowing broadband services) are mainly: ADSL, VDSL and Optical fiber. Broadband connectivity is analyzed as follows:

	Bandwidth	Number of Schools (Percentage)	Comments
GSN's Broadband Connectivity Indicators (January 2025)	> 100 Mbps	1,285 (11,50%)	Fiber Optic
	30 Mbps – 100 Mbps	7.783 (69%)	VDSL 50Mbps
	< 30 Mbps	2.200 (19,50%)	ADSL 2-24 Mbps

As the needs of schools for high Internet speeds are increasing, GSN should be constantly at the cutting edge of the technological evolution of broadband connections offered in Greece. The main goal of GSN is the overall upgrade of the low and medium speed connections, as well as the integration of internet connections with **fiber optic** networks, where available.

2. Portal

GSN portal (<http://www.sch.gr>) serves as the main information gateway for actions strongly related to Education and as a reference access point for various GSN services. The main features of the GSN portal are listed below:

- News / announcements and events related to the educational community
- GSN users' posts (after approval by the portal administrator)
- Instructions and user manuals for e-services provided by the GSN
- View educational websites or blogs created by GSN users
- GSN user's (personal) control panel
- Interfacing with other GSN services

Operational Statistics: **>300.000** unique visitors per month in 2025

3. Central user authorization service

The central user certification service (<https://sso.sch.gr>) provides access to a member of GSN from a single point (Single Sign On) in all integrated applications of GSN and in authorized services of MoE and other educational partners. Ninety-one (91) such applications are served by the service, such as mySchool, school books publication, the platform for dealing with school bullying, applications of school and administrative units, etc.

4. Email

It is the most popular GSN service (<http://webmail.sch.gr>) and efficiently handles users' emails (i.e. schools, teachers, administration units, administrators and pupils). This service establishes secure communication and provides the following functionalities:

- Single inbound and outbound mail server name (mail server), mail.sch.gr
- Receive IMAP and POP3 mail.
- Access to mail via web, webmail.sch.gr
- Access to mail from mobile devices.
- SMTP authentication
- Securely send and receive encrypted mail (TLS / SSL)
- Alternative e-mail address
- Forward mail to another address
- **Total number of members** (February 2025) **1.383.809**
- Daily average users **80.000**

1. Official school unit accounts

- Primary Education School Units (Public) **9.211**
- Primary Education School Units (Private) **1.017**
- Secondary Education School Units (Public) **3.661**
- Secondary Education School Units (Private) **261**
- Post secondary **289**
- Administrative Units (Primary Education) **58**
- Administrative Units (Secondary Education) **60**
- Regional Directorates **14**
- Educational Support Units **291**
- Other units **754**
- **Total Units** **16.179**
- **Total Unit Accounts** **29.015**

2. PERSONAL ACCOUNTS

• Teachers	141.425
• Deputies	37.954
• Teachers (Private schools)	7.576
• VET Teachers	2.887
• Personnel	4.370
• Pupils	> 1.000.000
• Retired teachers	54.720
Total personal accounts	> 1.354.817

The **mailing list service** is designed to easily send messages and documents to a large number of end-users. It is widely used by the MoE and its supervised entities for the circulation of official administration documents and announcements to schools and teachers.

5. Web hosting

The Web hosting service enables schools, administration units and teachers to create and easily maintain their website.

- Active web-sites **> 8.668** (February 2025)

6. Electronic classroom service

The electronic classroom (<http://eclass.sch.gr>) enriches the course that takes place daily in the classroom, with modern educational ICT tools. The teacher can easily create online courses and therefore interact with pupils. This service can also be used for training, collaboration etc., between teachers.

School year 2024-2025:

- Members : **46.211** teachers, **311.710** pupils, **5.029** schools
- Total courses: **64.138**

The Electronic Classroom service was the most popular asynchronous distance learning service during the suspension of schools due to the covid-19 pandemic.

7. e-Learning service

The eLearning service (<http://e-learning.sch.gr>) provides a user-friendly web-interface that promotes participative and collaborative learning. Supports specific user roles and provides secure and personalized access exploiting the integration with the GSN's directory service. It has been certified according to the SCORM LMS-RTE standard and is integrated with the open-source web-conferencing system BigBlueButton.

- Courses **1.945**

• Users	77.236
• Content creators	1.635
• Teachers	2.475
• Students	26.221

8. Educational Communities and Blogs

GSN provides the Educational Communities and Blogs service (<http://blogs.sch.gr>) exploiting the open source platforms WordPress and BuddyPress. It establishes equivalent functionality to other popular social networks (Facebook, twitter etc.), but in a completely secure environment.

• Blogs	104.832
• Articles (since August 2010)	1.417.293
• Members (schools, teacher, pupils)	129.652
• Social networking communities	1.130
• Users per month	> 500.000

Activity (last three months-source: <http://blogs.sch.gr/statistics> 9/03/2025):

- **1.873** new blogs
- **74.830** new articles
- **923** comments

Views: **>500.000** unique visitors (typical month2024)
(source: <http://blogs.sch.gr/awstats/awstats.pl>)

9. School e-magazines

The school e-magazines service (<http://schoolpress.sch.gr>), is based on the open source platform WordPress, and enriches the classical teaching process with group collaboration tools, the digital publication of a group's activity etc. Pupils are encouraged to express themselves and potential advance their skills in writing.

- Magazines: **8.807**
- Articles: **81.689**
(source: <http://schoolpress.sch.gr/stat/> 9/3/2025)
- Views: **> 40.000** unique visitors (typical month 2024)
(source: <http://schoolpress.sch.gr/awstats/awstats.pl>)

10. «+γραφίς» Collaborative documents

The key features of <http://grafis.sch.gr> are mainly oriented to the efficient management (i.e., create, save etc.) of files, images, shared calendars complemented with sharing and collaboration functionalities within a browser. The «+γραφίς» service is also efficiently integrated with user's desktop, tablet or smartphone. The basic functionalities of the «+γραφίς» service are:

- Create new documents and files
- Edit existing documents
- Edit a document in real time with other users
- Categorize, organize and store documents and files
- Importing documents and files from external sources
- Search for documents and files
- Add multimedia to documents (e.g. photos, videos, etc.)
- Organization and assignment of work using calendars
- Organizing personal contacts
- Users **95.661**
- Total files **3.030.983**

11. WebEx Video Conference Service for Teachers

The modern distance learning service <https://webex.sch.gr> using the GSN and the digital platform Webex Meetings of Cisco Hellas S.A., which has been specially designed for the MoE for the needs of providing modern distance learning, has been included in the accredited applications of the GSN. The Central User Authentication service (Single Sign On Service - SSO) of the GSN is used to authenticate and connect teachers to the Webex video conferencing platform.

- Users **191.238**

12. Teleconference service

The video conferencing service (<https://meeting.sch.gr>) gives certified GSN members (educators, schools and administrative units) the ability to create video conferences. It is based on the open source Big Blue Button software, is Hellenized, supports full audiovisual communication and allows the viewing of presentations, the sharing of material and applications between participants.

- Users (March 2025) **72.488**
- Teleconferences **18.543**
- Total duration **25.305** hours

13. Video and Live broadcasts

The Video and Live broadcasts service (<http://vod-new.sch.gr>) provides the functionalities to search, post and play video data. It allows users to enhance digital material with metadata, thus offering a personalized service to all certified members of GSN. This service is offered to schools and teachers who can also create their own radio and TV channels and their own groups in which video material is distributed only amongst its members. A critical feature of the service is the live broadcasting functionality (<http://vod.sch.gr/live>), thus allowing the efficient organization and support of online events provided by Moe's

supervised entities and schools. It has to be mentioned that more than **196** education-oriented events broadcasted live during the last three years.

- Users **4.435**
- uploaded videos **12.995** by 2.549 users
- Groups **227**
- Video channels **259**
- Visitors **338.366** unique visitors (2024)

14. Communication and Collaboration service

The Communication and Collaboration Service (<https://www.uc.sch.gr>) enables GSN users to communicate with voice, video and text messages. It also offers advanced collaboration services such as conferencing, file transfer and desktop sharing between two PCs as also fax receiving and forwarding subsystem in the user's email account, instant messaging and marking presence feature. For the operational needs of the User's Support (Help-Desk), this service is integrated with a sophisticated Call Center, interfacing with other GSN's information systems. Potential benefits of using this service are listed below:

- Communication and collaboration between GSN members is facilitated and financial resources are saved.
- Upgrades helpdesk telephone support.
- Can be exploited as a modern educational tool for collaboration between pupils and teachers (access is certified and permitted only to GSN users).

Service Users: **2.909**

15. Schools ICT Inventory Service

The ICT Inventory Service enables both Primary and Secondary Education School units to efficiently record their ICT infrastructure, thus allowing to provide on-demand various technical information about their status.

16. Users support (Help-Desk)

The user support service is provided nationwide by the GSN and efficiently address a vast number of tickets regarding requests for technical support in school's ICT infrastructures as also requests for GSN electronic services. The overall support scheme (Help-Desk) is established via telephone, email and is complemented with a management ticketing system (<http://helpdesk.sch.gr>), thus allowing the immediate resolution of any technical-oriented problem / request (i.e., encountered in network connection, electronic services and their use, etc.) that is formally announced.

- **Year 2024** – Tickets >**38.000**, calls: >**100.000**

More information: <https://www.sch.gr/services>

ANNEX 3

GSN's Infrastructure

1. Network Infrastructure

Backbone Network	
Nodes	51
Points of presence (MAN)	66
MAN connections through GRNET	29
MAN connections through SYZEFXIS (http://www.syzefxis.gov.gr)	37
Distribution Network Managed Devices	> 200
Connectivity GSN – GRNET (internet feed)	50 Gbps
Connectivity GSN – ΣΥΖΕΥΞΙΣ	10 Gbps
Average daily internet network traffic (IPv4)	> 30 Gbps
Average daily internet network traffic (IPv6)	> 500 Mbps
Access Network	
Supported access technologies	xDSL, Ethernet, Wireless, Optical Fiber
Access Network Speed	24 Mbps – 1 Gbps
Largest school campus in Greece	Grava's school (Athens)
Users @ Grava's school	> 3.500 users
Access Network Speed @ Grava's school	1 Gbps

2. IT and Storage infrastructure

2.1 GSN's Main and New Data Center (Athens)

A. Data storage facilities

- Storage capacity **390 TB**
- Backup To Disk System (64 TB)
- Tape Library 48 slots LTO6

B. Computing Infrastructure

The computing infrastructure of GSN includes 67 x86-64 servers with the following total characteristics:

- 668 computing cores
- 7.3 TB RAM

- 49 servers with 10GE (10G Ethernet) network interface
- 18 servers with GE (Gigabit Ethernet) network interface

C. Network Infrastructure

- Next Generation Firewalls
- Application Level Switches (content or layer 4-7 switch)
- Core Datacenter layer 2-3 Switches with 64X10G ports each
- Ethernet Switches (layer 2-3 switch)

D. Support Infrastructure

- 9 Racks (Main Data Center – Athens)
- Console Switches for Servers and Network Devices administration
- keyboard / display monitoring systems (KVM)

E. Servers

Servers are implemented as virtual machines (VMs) in the above infrastructure. In summary, servers implement the following subsystems:

- Mail servers
- Web servers
- ASP and ASP.net web hosting servers
- Database Servers
- Virtual Machines
- Directory Server
- DNS Server
- Administration servers
- Proxy/Content Filtering servers
- Various services and web-sites

2.2 Secondary data center in Patras

GSN operates the data center in Patras, in order to enhance data security as also its operational status. This center supports hosting of certain GSN applications, network and application management, control and monitoring, testing and development, secondary mail exchangers, and the second point for GSN's Directory and Active Directory.

Its infrastructure includes a router, Ethernet Switches (layer 2 switch) and Application Layer Switch (content or layer 4-7 switch), servers, a Storage system and a 287 Slots, 2XLTO 6 Tape Drives Tape Library.

ANNEX 4
Accredited platforms and e-services utilizing
GSN's Central User Authentication Scheme (SSO)

Platform / e-service	Number
GSN services	31
Administrative and Educational Units	29
Ministry of Education	16
CTI Actions for Education	6
Institute of Educational Policy	5
Photodentro – e-me	2
eTwinning	2
Total	91

ANNEX 5

GSN's Initiatives for Creative and Safer Internet

For GSN, the creative and safe access of students to the Internet and their protection from inappropriate content is a **fundamental principle**. GSN is the **first organization in the country** to deal with the issue of safer internet. Since its creation (1998), GSN:

- Provides schools with a continuous **web content filtering service** and implements a safe content policy, in line with international practice and legal requirements.
- Has organized, co-organized or participated in numerous events, workshops, conferences, trainings, etc., for the creative and safe internet.
- Cooperates with the competent security authorities within the framework defined by law, should (rare) cyber security incidents occur in schools

In addition, GSN has undertaken the following initiatives in order to inform and potentially raise awareness in school community about the concept of creative and safer internet. Specifically:

1. Celebration of Safer Internet Day **2025** – GSN co-organized with the Hellenic Police's Cybercrime Directorate briefings for students and teachers on the procedures for submitting and managing reports of school violence and bullying. Specifically:
 - On 07.02.2025, online updates were held in which approximately 1,280 schools participated. They were informed about the submission of a report of intra-school violence and bullying by over 40,000 students.
 - On 05.02.2025, an online briefing was held for over 900 teachers on the management of reports of intra-school violence by schools.
 - On 11.02.2025, an information event was held at the Goulandris Foundation for educators on the same subject.
2. Since **2017**, it has been offering a free online course on "Creative and Safe Internet - Evaluation and Development of Critical Thinking for Digital Content".
3. Since **2014** (Safer Internet Day), GSN participates in the Web We Want initiative (<http://webwewant.eu>), having undertaken the translation, editing and graphic formulation of the Greek version of the book formally entitled Web We Want ("The Internet We Want"). The educational material for high school pupil's primary seeks to investigate rights and obligations as also to encourage reflection on their own behavior and their peers. Also, the book "The Web We Want - Teachers on the Internet" is given to teachers as educational material with lesson plans.
4. Since **2011** and through the **eTwinning** (www.etwinning.gr) "Digital Security" section, GSN provides webinars promoting good practices and guidelines on such issues and supporting schools that potential wish to implement eTwinning collaborative projects regarding safe and efficient use of Internet
5. Since **2009**, successfully operates the **Internet Safety Portal** (<http://internet-safety.sch.gr>), thus providing updated information and educational material for teachers, pupils and parents.

Completed Actions

1. During **2017 - 2019** GSN participated as a coordinating partner in the project "eSafetyLabel +: Become the next eSafety Champion" (<http://esafetylabel.eu>) in the framework of the KAS Erasmus + Key Action 2017. This project aims to mobilize and promote exchange of knowledge and best practices between a large community of European teachers and other school stakeholders to better prepare the school ecosystem for a secure and responsible digital future by leveraging the European School Network eSafetyLabel Action (European Schoolnet, <http://www.eun.org>).
2. In **2017**, it co-organized with the European School Network the thematic conference Learning to Think in a Digital Society <https://www.etwinning.gr/tc2017/>, in which more than 250 teachers from EU countries participated.
3. During **2016 - 2018**, the GSN participated in the EduWeb project (<http://eduweb-project.eu/>), which is implemented as part of Erasmus Plus and aims to strong cooperation between schools and educational institutions to combat digital exclusion of adults with regard to the use of the Internet. The goal was for the students themselves to act as educators of the digitally illiterate adult members of their families in the safe and creative use of the Internet.
4. During the school year **2015-2016**, GSN in close collaboration with Safer Internet Initiative, implemented the action "Connect with Caution" (<http://synmesyn.sch.gr>), which includes the distance learning of 38,319 pupils from 567 schools as also face to face training of 318 teachers in the concept of appropriate and creative use of the internet.
5. During **2014-2015**, GSN in close collaboration with the MoE, implemented the Action "*Network for the Prevention and Confrontation of School Violence and Intimidation*" (<http://stop-bullying.sch.gr/>) and trained approximately 16,000 teachers to efficiently address school violence and bullying, including also cyber bullying.
6. In **2015**, GSN implemented the Pilot Action formally entitled "*Call an Expert on Safe Internet*" (<http://internet-safety.sch.gr/call-an-expert>), which enable schools to invite experts / specialists on safe internet, in order to organize related workshops for the school community.
7. In **2014**, it supported, through videoconferencing and live broadcast services, the implementation of the online workshops of the Ministry of Education and the Prosecution of Electronic Crime, in which more than 10,000 schools participated.
8. Between **2012** and **2015**, GSN trained more than 2,500 IT educators in the concept of safe and creative Internet, through the action *STIRIZO* [co-funded by National Funds and by the European Social Fund (ESF), under the Hellenic National Strategic Reference Framework (NSRF) 2007-2013] (<http://training.sch.gr>).

ANNEX 6

Citations and Rewards

GSN has received the following citations:

- During the difficult circumstances of the suspension of school operations due to the covid-19 pandemic, the GSN successfully implemented the transfer of all educational activity of all schools from physical classrooms to digital classrooms. This success was recognized by the study ***“Just How Resilient are OECD and EU Countries? Sustainable Governance in the Context of the COVID-19 Crisis”*** (10.12.2021) by the Bertelsmann Stiftung¹. According to this, Greece rose to **7th place** among OECD and European Union member countries from 22nd place before the pandemic and is considered one of the successful states in managing the pandemic in the education system.
- **Greek school network increasingly turning to open source (2014)**
<https://joinup.ec.europa.eu/news/greek-school-network-increasingly-turning-open-source>
- **Greek school network adopts IPv6 (2007)**
http://cordis.europa.eu/result/brief/rcn/3467_en.html
- **Networking pupils and teachers in Greece (2004)**
http://ec.europa.eu/employment_social/esf/docs/el2_1_en.pdf

¹ <https://bit.ly/3Vpv0MY> σελ. 71-75 and <https://www.iefimerida.gr/ellada/ereyna-ekpaideysi-7i-thesi-oosa-i-ellada>