

Lisbon, 11-13 October 2023

Expert Meeting on Dissemination and
Communication of Statistics

COOPERATING WITH OTHER INSTITUTIONS TO INCREASE TRUST IN OFFICIAL STATISTICS (AND STATISTICAL LITERACY)

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The value of partnerships

- **Partnerships as a strategic asset** for the development of statistical literacy
- Statistical literacy does not have the strength of financial education (and personal consciousness of the value and importance of the activities). Most probably financial education will be inserted in the upper secondary school programmes as part of civic education
- Financial education is simpler to develop since it has a practical and noticeable (?) impact on people's everyday life (people see the results of an improved financial literacy; they can better use their money, save, make plans for the future, make plan for retirement)
- On the other hand advantages of statistical literacy are seldom noticed as necessary, as an empowering factor

The value of partnerships

- Statistics is for decision-making (Indeed but are we actually conscious that we need to have data as a basis for better decision?)
- Statistical literacy cannot always stand alone (It can for big projects such as competitions, didactic projects for schools such as Il censimento sui banchi di scuola)
- For the above-mentioned reasons sometimes it is better to enter partnerships in which statistical literacy is a part of larger projects (involving more than one area)
- At the national level this represents for Istat a strategic issue to develop statistical literacy
- School activities help us to be visible

Development of statistical literacy

The **development of statistical literacy** is implemented through actions aimed at increasing the critical sense of the users through the correct understanding of statistical data and information. Basic elements of this process are:

- the promotion of the paradigm of statistical research (fundamental in the process of acquiring knowledge through the empirical observation of reality);
- the orientation to the use and application of data and information produced by official statistics to a plurality of cognitive, decision-making and evaluation contexts;
- the development of a method for decision-making, especially in conditions of uncertainty, through the use of official statistics;
- the knowledge of the set of criteria that guide the activity of the statistician and of the researcher;
- the promotion of metadata culture;
- the attention to quality and its “certification»

○

Types of partnerships

Two types of partnership: formal and non-formal

- FORMAL

 - General Framework (MoU with the Ministry of Education)

 - On projects (Asoc)

- INFORMAL

 - On topics (Agriculture; 2030 Agenda)

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Projects overview

FORMAL

- Memorandum of Understanding with the Ministry of Education (formal)
- At the School of OpenCohesion
- Agreement with the Association of European Economic Education
- Olimpyads (Italian Statistical Society) (formal)
- ILSP Statistical posters competition (Italian Statistical Society). (formal)

INFORMAL

- The European Researchers' Night
- Cooperation with universities (PCTO: Sapienza and LUMSA Universities)
- The Bank of Italy
- INDIRE

At the School of OpenCohesion

At the School of Open Cohesion
(<https://www.istat.it/en/information-and-services/students-and-teachers/collaboration-with-at-the-school-of-opencohesion>)

COLLABORATION WITH AT THE SCHOOL OF OPENCOHESION

ANALYSIS AND PRODUCTS

METHODS AND TOOLS

INFORMATION AND SERVICES

USERS

- Information centres
- European data support
- Library
- Historical Archive
- Catalogue and subscriptions

JOURNALISTS

- Press releases
- Embargo
- General information
- The history of Istat

RESPONDENTS

RESEARCHERS

- Laboratory for Elementary Data Analysis
- Promotion of statistical research

STUDENTS AND TEACHERS

Since the 2018/2019 school year, Istat has been collaborating with the civic monitoring project [At the School of OpenCohesion \(Asoc\)](#), aimed at upper secondary school students. The collaboration follows the [agreement](#) between Istat and the Cohesion Policy Department of the Presidency of the Council of Ministers, which as one of its objectives has “to foster the dissemination of statistical literacy, to provide an adequate in-depth study of research methodologies and the construction of synthetic indicators and to enrich students’ training during their educational path”.

ASOC is an innovative [didactic programme](#) aimed at promoting and developing in Italian schools principles of active and aware citizenship, through **research and civic monitoring activities of the European and national public fundings**. It started on an experimental basis in the 2013/2014 school year with seven schools, and in the 2019/2020 school year it came to involve 204 schools, about 500 teachers and 5,000 students. The programme is recognised as a Pathway for Transversal Skills and Orientation (“Percorso per le competenze trasversali e per l’orientamento” – PCTO) and provides training credits to teachers who follow some modules, including the Statistical Literacy+ module.

In the 2019-2020 school year, the [European experimentation](#) started in Bulgaria, Croatia, Greece, Portugal and Spain, and in the 2021/2022 school year the experimentation within Italy-Croatia, Italy-France Maritime, Italy-Austria cross-border cooperation.

Association of European Economic Education

[https://www.istat.it/en/information-and-services/students-and-teachers/agreement-with-the-association-of-european-economics-education-\(aeee-italia\)](https://www.istat.it/en/information-and-services/students-and-teachers/agreement-with-the-association-of-european-economics-education-(aeee-italia))

AGREEMENT WITH THE ASSOCIATION OF EUROPEAN ECONOMICS EDUCATION (AEEE-ITALIA)

ANALYSIS AND PRODUCTS

METHODS AND TOOLS

INFORMATION AND SERVICES

USERS

- Information centres
- European data support
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JOURNALISTS

- Press releases
- Embargo
- General information

Since July 2019, Istat has started a collaboration with the Association of European Economics Education (Associazione europea per l'educazione economica – AEEE-Italia), which carries out training activities for teachers within the Italian school system.

The agreement is consistent with the framework of Istat's institutional objectives with regard to the development of statistical literacy. It has the goal of supporting the demand for statistical information through the dissemination of the Institute's heritage of information and the use of tools and methods useful for the correct understanding of official statistics data, with training activities aimed at the school system, including in digital mode.

The joint initiatives are intended for upper secondary school teachers and students, and aim to strengthen the different areas of economic education using data and methodologies of official statistics.

Italian Statistical Society

Lot of activities, among which:

Italian statistical Olympics

<https://www.istat.it/en/archivio/276707>

NEWS

ITALIAN STATISTICS OLYMPICS 2023



For the 2022/23 school year Istat and [SIS](#) organize the thirteenth edition of the Italian Statistics Olympics.

The Olympics are aimed to encourage students to approach statistical reasoning, to arouse their interest in data analysis and probability, to enable them to better understand the meaning of the quantitative information

they receive every day.

The initiative is open to upper secondary school students (classes 1-4).

School and student registrations opened on **20 October 2022** and closed on **27 November 2022**.

The competition consists of one individual and a team assignment. Individual tests were held on:

- **17 January 2023** (schools of Piemonte, Valle d'Aosta, Lombardia, Trentino Alto-Adige, Veneto and Friuli-Venezia Giulia);
- **18 January 2023** (schools of Liguria, Emilia Romagna, Toscana, Umbria, Marche, Lazio, Abruzzo and Molise);
- **19 January 2023** (schools of Campania, Puglia, Basilicata, Calabria, Sicilia and Sardegna).

Individual tests consist of a set of multiple choice questions, administered online, on statistics topics as set forth in the Competition Rules.

The assignments of the previous editions, with solutions and comments, are available in the Competition pages of the years: [2018](#) | [2019](#) | [2020](#) | [2021](#) | [2022](#) .

DATE OF ISSUE: **27 OCTOBER 2022**

Lot of activities, among which:

ISLP poster competition

<https://www.istat.it/en/archivio/287054>

NEWS

TWO ITALIAN TEAMS ON THE PODIUM AT THE INTERNATIONAL ISLP COMPETITION 2022-23

Great result for two Italian teams at the International Statistical Poster Competition. The winners were announced during the [64th ISI World Statistics Congress](#) of the ISI (International Statistical Institute), held in Ottawa, Canada, from 16 to 20 July 2023.

DATE OF ISSUE: 26 JULY 2023

The biennial ISLP Poster Competition invites school and university students from around the world to design a poster with the aim of helping to promote statistical literacy. Lower and upper secondary schools and Bachelor's level students are eligible to participate. The winners of the national competitions from each involved country enter the final round.

Third place for the lower secondary school group was awarded to the work **Analisi delle canzoni più ascoltate su Spotify** (Top 100 most streamed songs analysis), carried out by Diletta Bazzardi, Martina Bosio and Federica Ranghetti of the IC "Rudiano" of Rudiano (Brescia), coordinated by teacher Christian Sberna.

- 3rd place poster ([Italian language version](#) | [English language version](#))

In the upper secondary school category, the poster **Stiamo coltivando il futuro dell'agricoltura in Italia?** (Are we cultivating the agriculture's future in Italy?) by Ludovica Del Principe, Vincenzo Minutillo, Andrea Giacchetta, Cristian Lampitelli, and Daria Ciaravolo, from the Istituto Merloni Miliani in Fabriano (Ancona), coordinated by teacher Monia Stoppini, qualified second.

- 2nd place poster ([Italian language version](#) | [English language version](#))

Discover the winning posters ([Concorso internazionale ISLP per poster statistici 2022-2023](#)) from the national phase of the competition.

European Researchers' Night

At territorial level Istat adheres to the activities of seven consortia to organize the Researchers' Night

EVENT

ISTAT AT THE 2023 EUROPEAN RESEARCHERS' NIGHT

Disseminate statistical culture and promote Science, technology, engineering, and mathematics (STEM) disciplines to the public at large: these are the goals of Istat's participation in the [2023 European Researchers' Night](#).

The initiative, promoted by the European Commission, involves thousands of researchers and institutions in EU countries, with the aim of bringing the world of research closer to the public, raising awareness of excellent research and innovation projects in Europe and stimulating young people's interest in scientific careers. It also aims to show, in an engaging way, the impact of researchers' work on people's daily lives.

The European Researchers' Night offers many science dissemination activities both in person and online, nationwide and with initiatives on the ground, creating opportunities to meet for researchers and citizens to spread scientific culture and knowledge about research professions.

This year it will take place in 26 countries on Friday 29 September 2023.

Also for the 2023 edition, Istat is participating in several projects promoted by consortia of scientific and territorial organizations throughout the country, with initiatives dedicated mainly to younger people (Istat's calendar of activities is available [here](#) – in Italian only).

Partnerships with Universities

- Cooperation with universities is active for several activities.
- The most recent are **training activities** devoted to students at secondary school level:

Istat cooperation is required with specific modules on official statistical data,
how they are produced,
the quality process,
how to make them circulate in stories.

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The Bank of Italy

Live talks in the period of the temporary exhibition:

The Adventure of Money

January 2024-Aprile 2024

Topic is king:

Inflation

PPP

Households consumption

'The Adventure of Money' exhibition

31 October 2023 - 28 April 2024



Share    

The Adventure of Money provides a fascinating preview of the upcoming Bank of Italy Money Museum and its displays (MUDEM). The exhibition was created by Paco Lanciano and Giovanni Carrada, and takes visitors on a journey through time to find out about the main events in the history of money and finance. Digital animation and interactive technologies create an immersive experience for visitors that tries to answer questions they might have and satisfy their curiosity, especially regarding the modern age.

A series of nine rooms are used to map out the birth and evolution of the main monetary and financial instruments and events, using the best narrative techniques for popularizing science.

The journey begins with the story of modern economic systems.

The next five rooms guide visitors along a historic route from ancient Mesopotamia to the twentieth century, from the first coins to digital transactions and modern payment systems.

INDIRE project during the pandemic period

Public research bodies federated under INDIRE – the research body of the ministry of education

NOTIZIA

L'ISTAT PER STUDENTI, INSEGNANTI E FAMIGLIE



A partire da aprile 2020 l'Istat aderisce al progetto "Scopri di più sul mondo che ti circonda – Gli enti di ricerca per studenti, insegnanti e famiglie", che rende disponibili online, in un'unica piattaforma, i migliori contributi del mondo della ricerca pubblica italiana, sotto il coordinamento dell'Indire ([comunicato stampa](#)).

Conclusions

- From the different projects discussed above it is possible to see that working with other institutions is possible at both levels: formal and informal.
- Substantially there is no difference when working.
- Formal activities are normally more difficult to start because of the formal agreement which needs to be approved at all hierarchical levels, i.e. it has to be approved by the governing bodies, “scanned” from a legal point of view and so on but, when approved and signed from both parties it acts as a general framework for activities at several levels and for longer periods without no need of further approval and run smooth.
- Informal activities most often go forward and progress with the enthusiasm and urgency of something not previously provided. Nevertheless, the results are good.
- Institutions do not refuse to collaborate when Istat asks for collaboration, even without formal agreements because they know what Istat produces. Cooperations are milestone to make statistics and statistical literacy to penetrate in society.

Thank you

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