



IX SEMINAR

"Data from and for educational systems:
tool for research and teaching"



Andrea di Bonaiuto (Andrea Da Firenze), Allegory of Sciences, 1365-68

Rome, 17 - 19 October 2024

Under the patronage of



IX SEMINAR
“DATA FROM AND FOR EDUCATIONAL SYSTEMS: TOOLS FOR RESEARCH
AND TEACHING”
PROGRAMME

17th October

- 9.30 - 10.30 a.m. **Registration and Welcome coffee**
- 10.30 - 11.00 a.m. **Room 1**
Institutional Greetings
Roberto Ricci (President INVALSI)
Renata Maria Viganò (Full Professor of Educational Research at the Catholic University of the Sacred Heart, Vice-President of INVALSI)
Michela Freddano (Head of the Area of the School Evaluation, INVALSI)
Patrizia Falzetti (Head of the Area of the Evaluation Research, INVALSI)
- 11.00 a.m. - 1.00 p.m. **Room 1**
Semi - Plenary Session
Organizer: INVALSI
Chair: Roberto Ricci (President INVALSI)
Invited Speaker:
Stefaan Hermans (Director European Commission - Education, Youth, Sport and Culture), *“Education policy development and evaluation: what role for data and evidence?”*
Maria Magdalena Isac (University of KU Leuven), *“Drawing on ICCS data to inform citizenship education research and policy”*
- 1.00 - 2.00 p.m. **Lunch**
- 2.00 - 4.00 p.m. **Parallel Sessions**
Room 2 – Research 1 Session 5
Room 3 – Research 2 Session 1
Room 4 – Research 3 Session 7
- 4.00 - 4.30 p.m. **Coffee Break**
- 4.30 - 6.30 p.m. **Room 1**
Panel Discussion - Research
Data at the Forefront: Shaping National and International Policies for the European Education Area Through Evidence-Informed Practice
Chair: Daniele Vidoni (Policy Coordinator, European Commission, DG Education, Youth, Sports and Culture)
Speakers:
Andrea Netten (Director of IEA Amsterdam)
Aline Pennisi (Next generation EU, Ministry of Economy and Finance)
Roberto Ricci (President INVALSI)
Andrea Saltelli (Professor University Pompeu Fabra Barcelona School of Management)
Carmen Tovar Sánchez (Directora del Instituto Nacional de Evaluación Educativa - MEFP, Spain)

18th October

- 9.00 - 10.30 a.m. **Parallel Sessions**
Room 2 – Research 4 Session 4
Room 3 – Research 5 Session 3
Room 4 – Research 6 Session 8
- 10.30 - 11.00 a.m. **Coffee Break**
- 11.00 a.m. - 1.00 p.m. **Room 1**
Semi - Plenary Session
Organizer: INVALSI
Chair: Daniele Vidoni (Policy Coordinator, European Commission, DG Education, Youth, Sports and Culture)
Invited Speaker:
Marco Montanari (Economic analyst - DG for Education, Youth, Sport and Culture of the European Commission), *“The twin challenge of equity and excellence in basic skills in the EU”*
Susan Dynarski (Patricia Albjerg Graham Professor of Education at Harvard University), *“Getting the Most out of the Data: How Academic Researchers Can Expand Government Research Capacity”*
- 1.00 - 2.00 p.m. **Lunch**
- 2.00 - 4.00 p.m. **Parallel Sessions**
Room 2 – Research 7 Session 5
Room 3 – Research 8 Session 3
Room 4 – Research 9 Session 9
- 4.00 - 4.30 p.m. **Coffee Break**
- 4.30 - 6.30 p.m. **Room 1**
Symposium
Gender differences in edu
Organizer: INVALSI - ESPANet Italia
Chair: Patrizia Falzetti (Head of the Area of the Evaluation Research, INVALSI)
Invited Speaker:
Dalit Contini (Professor of social statistics, University of Torino), *“Is it a matter of skills? The gender gap in STEM study choices in high school”*
Elena De Gioannis (University of Milan), *“Behind the gap: how to interpret the gender gap in standardized tests”*
Rebecca Ghio (University of Milan), *“Gender differences in career goals and choice of the field of study: a survey at the University of Milan”*
Discussant: Emmanuele Pavolini (Co-president of Board ESPANet Italia)
- 8.00 p.m. **Social Dinner**

19th October

- 9.00 - 10.30 a.m. **Parallel Sessions**
Room 2 – Research 10 Session 5
Room 3 – Research 11 Session 4
Room 4 – Research 12 Session 10
- 10.30 - 11.00 a.m. **Coffee Break**
- 11.00 a.m. - 12.00 p.m. **Room 1**
Semi - Plenary Session
Organizer: INVALSI
Chair: Patrizia Falzetti (Head of the Area of the Evaluation Research, INVALSI)
Invited Speaker:
Ernesto Belisario (Lawyer E-LEX, Law firm), *“Artificial Intelligence and education: emerging regulatory challenges and legal perspectives”*
- 12.00 - 1.00 p.m. **Panel Discussion - Research**
AI in education: between promises and limits
Chair: Daniele Vidoni (Policy Coordinator, European Commission, DG Education, Youth, Sports and Culture)
Speakers:
Patrizia Falzetti (Head of the Area of the Evaluation Research, INVALSI)
Marco Lazzari (University of Bergamo)
Roberto Ricci (President INVALSI)
Renata Maria Viganò (Full Professor of Educational Research at the Catholic University of the Sacred Heart, Vice-President of INVALSI)
- 1.00 - 2.00 p.m. **Lunch**
- 2.00 – 4.00 p.m. **Parallel Sessions**
Room 2 – Research 13 Session 5
Room 3 – Research 14 Session 9
Room 4 – Research 15 Session 6
- 4.00 - 4.30 p.m. **Coffee Break**
- 4.30 - 6.30 p.m. **Parallel Sessions**
Room 1 – Research 16 Session 10
Room 2 – Research 17 Session 9

Research Sessions will be held in English

PARALLEL SESSIONS PROGRAMME

17th October: 2.00 - 4.00 p.m.

Room 2- Research 1

Session 5. International large-scale assessments (ILSAs) methods and results

Organizer: UNIVERSITY OF KU LEUVEN - UNIVERSITY OF BATH

Coordinator: *Andres Sandoval-Hernández (University of Bath)*

Using INVALSI Data to Explore Beginner L2 English Learners' Performance while Reading to Grasp the General Meaning of a Text

Francesca La Russa (INVALSI)

Clelia Cascella (INVALSI)

Exploring Creativity Through Standardized Tests: The PISA Framework for Assessing Creative Thinking and an Initial Analysis of the Results of Italian Students

Margherita Emiletti (INVALSI)

Riccardo Pietracci (INVALSI)

Do female students underestimate their technological abilities? Gender differences in general and specialized digital self-efficacy at school

Juan Castillo (Pontificia Universidad Católica de Chile)

Daniel Miranda (Pontificia Universidad Católica de Chile)

Nicolás Tobar (Pontificia Universidad Católica de Chile)

Using Diagnostic Classification Models with TIMSS data to explore mathematics learning in Italy

Adam Coates (University of Bath)

PV or not PV. How to get random slopes in ILSA

Diego Carrasco (Centro de Medición MIDE UC)

David Torres Iribarra (Centro de Medición MIDE UC)

Room 3 - Research 2

Session 1. Different data sources and their integration: policy indicators for the education and training system

Organizer: ISTAT

Coordinator: *Barbara Baldazzi (ISTAT)*

Social Inequality and Student Mobility from Southern Italian Regions: The Interplay between Academic Achievement, Track at Upper Secondary Education and Social Origin

Andrea Priulla (University of Palermo)

Eleonora Miaci (University La Sapienza of Roma)

Nazareno Panichella (University of Milano)

Massimo Attanasio (University of Palermo)

The gender gap in school-to-university transition in Italy: Insights from the integration between INVALSI and ANS data sources

Valentina Tocchioni (University of Firenze)

Gabriele Lombardi (University of Firenze)

Samuele Milone (University of Firenze)

Machine learning Models to identify students at risk to Academic dropout

Fiammetta Noccioli (INVALSI)

Michele Marsili (INVALSI)

Linked administrative data and a multivariate approach to monitor attainment gaps for students with protected characteristics

Nadir Zanini (OFQUAL)

Room 4 - Research 3

Session 7. Enhancing financial literacy through education

Organizer: POLYTECHNIC UNIVERSITY OF MILAN - UNIVERSITY OF ZURIGO

Coordinator: *Maddalena Davoli (University of Zurigo)*

Evaluating a Financial Education National Campaign: Experimental Evidence from Italy

Alessia Sconti (RPTU, University of Milano, Bocconi)

Tim Kaiser (University of Kaiserslautern-Landau)

Annamaria Lusardi (Stanford Institute for Economic Policy Research)

Bilal Zia (World Bank)

Youth characteristics, overconfidence and take-up to voluntary financial education programs

Alessio D'Ignazio (Bank of Italy)

Stefania Merone (University of Oxford)

Understanding of pension systems Intergenerational differences and educational interventions for its promotion

Carmela Aprea (University of Mannheim)

No Train No Gain: Experimental Economics meets Financial Education

Gabriele Iannotta (Polytechnic University of Milano)

Katharina Hartinger (Johannes Gutenberg University Mainz)

Tommaso Agasisti (Polytechnic University of Milano)

Financial knowledge and career aspirations among the young: a route to entrepreneurship

Massimiliano Stacchini (Bank of Italy)

Sara Lamboglia (Bank of Italy)

Noemi Oggero (University of Torino)

Mariacristina Rossi (COVIP)

18th October: 9.00 - 10.30 a.m.

Room 2 – Research 4

Session 4. INVALSI Data for Impact Assessment: Lights, Shadows, and Potential Developments

Organizer: UNIVERSITY OF MILAN BICOCCA - CATHOLIC UNIVERSITY OF MILAN - UNIVERSITY OF BOLOGNA & FBK-IRVAPP

Coordinator: Gianluca Argentin (University of Milano Bicocca)

Teachers' Characteristics and the Reproduction of Educational Inequalities: What Influences the Formulation of Guidance Advice

Elisa Manzella (University of Milano Bicocca)

Educational disparities among native and immigrant students in Italy: analysis from pre-pandemic to post-pandemic periods

Francesca Carimando (University of Bologna)

Loris Vergolini (University of Bologna)

Eleonora Vlach (Goethe University Frankfurt am Main)

Do strict schools yield better academic results? Propensity to retain in high schools and students' academic achievement.

Benedetta Valpreda (University of Torino)

Dalit Contini (University of Torino)

Guido Salza (University of Milano Bicocca)

Reflections on teachers' practices for an effective and conscious use of standardized assessments

Maria Chiara Cibien (University of Ferrara)

Federica Ferretti (University of Ferrara)

Stefania Pozio (INVALSI)

Matteo Viale (University of Bologna)

Room 3 – Research 5

Session 3. Weakness and excellence in education: for a polysemous and multidimensional idea of equity of educational opportunities

Organizer: INVALSI

Coordinator: Paolo Barabanti (INVALSI)

Academic and socio-emotional skills of high achieving students. An analysis of both cognitive tests and student questionnaire in OECD-Pisa 2022

Paolo Barabanti (INVALSI)

Laura Palmerio (INVALSI)

Carlo Di Chiacchio (INVALSI)

Exploring the Influence of Maternal and Teacher Role Models on Gender Differences in Mathematics

Alice Bertolotti (European Commission - JRC)

Teachers' Learning to Learn conceptions in four countries: foundational support for students' L2L acquisition to close the achievement gap

Cristina Stringher (INVALSI)

Hugo Armando Brito Rivera (Universidad Autónoma Metropolitana, Iztapalapa)

Ana Castro Zubizarreta (University of Cantabria)

Salvatore Patera (INVALSI)

An efficiency analysis of Italian schools: differences between private and public schools
Giovanni Antonini (Catholic University of the Sacred Heart)
Tommaso Agasisti (Polytechnic University of Milano)

Room 4 – Research 6

Session 8. Relying on Administrative Data to Analyze Student Careers

Organizer: UNIVERSITY OF PIEMONTE ORIENTALE

Coordinator: Carmen Aina (University of Piemonte Orientale)

Net gains: an investigation of telematic universities' academic performance

Carmen Aina (University of Piemonte Orientale)

Luca Bonacini (University of Bologna)

Chiara Mussida (Catholic University of the Sacred Heart)

Giuseppe Pignataro (University of Bologna)

General Schools and University Performance

Cristina Specchi (University of Bologna)

Luca Bonacini (University of Bologna)

Giuseppe Pignataro (University of Bologna)

The effect of anticipating performance requirements in need-based grants: a natural experiment

Giuseppe Pignataro (University of Bologna)

Luca Bonacini (University of Bologna)

Cristina Specchi (University of Bologna)

Math Exposure and University Performance: Causal Evidence from Twins

Luca Bonacini (University of Bologna)

Graziella Bertocchi (University of Modena e Reggio Emilia)

Majlinda Joxhe (University of Bologna)

Giuseppe Pignataro (University of Bologna)

18th October: 2.00 – 4.00 p.m.

Room 2– Research 7

Session 5. International large-scale assessments (ILSAs) methods and results

Organizer: UNIVERSITY OF KU LEUVEN - UNIVERSITY OF BATH

Coordinator: Ellen Claes (University of KU Leuven)

Exploring international learning loss patterns: a ML investigation using PISA data before and after COVID -19

Melisa Lucia Diaz Lema (Polytechnic University of Milano)

Melvin Vooren (Vrije Universiteit Amsterdam, ACLA)

Ilja Cornelisz (Vrije Universiteit Amsterdam, ACLA)

Chris Van klaveren (Vrije Universiteit Amsterdam, ACLA)

How does ICT affect school efficiency? Evidence from OECD PISA 2022

Mara Soncin (Polytechnic University of Milano)

Tommaso Agasisti (Polytechnic University of Milano)

School Leadership Support and Socioeconomic Status (SES) Inequalities in Mathematics and Science Achievement: Evidence from TIMSS 2019

Nurullah Eryilmaz (IEA, Hamburg)

Inquiry vs General Cognitive Activation Strategies: Shaping Teacher Profiles and Student Science Learning in Italy

Zhijun Chen (University of Bath)

Andres Sandoval Hernandez (University of Bath)

Room 3 – Research 8

Session 3. Weakness and excellence in education: for a polysemous and multidimensional idea of equity of educational opportunities

Organizer: INVALSI

Coordinator: Paolo Barabanti (INVALSI)

Observing and enhancing talent: the first results from the SOP1 tool

Sara Mori (INDIRE)

Jessica Niewint (INDIRE)

Alessia Rosa (INDIRE)

Michela Zambelli (Catholic University of the Sacred Heart)

Beyond Barriers: Gender, Migration Background and Socio- Economic Inequalities in School Performance in Italy

Enrico Deleo (University G. d'Annunzio of Chieti)

Paola D'Elia (University G. d'Annunzio of Chieti)

Sergio Di Sano (University G. d'Annunzio of Chieti)

Challenges and opportunities for an inclusive school: the potential of Evidence-Based Education (EBE)

Giusi Antonia Toto (University of Foggia)

Giorgio Mori (University of Foggia)

Inequality of educational opportunity in Italy: A machine learning approach

Moris Triventi (University of Milano)

Paolo Brunori (University of Firenze, London School of Economics)

Emanuele Fedeli (University of Trento)

Giovanna Scarchilli (University of Milano)

A Teacher Professional Development Research to Contrast Educational Poverty

Giorgio Asquini (University La Sapienza of Roma)

Gabriella Agrusti (LUMSA University)

Ira Vannini (Alma Mater Studiorum University of Bologna)

Room 4 – Research 9

Session 9. Inequality and Educational Outcomes

Session 8. Relying on Administrative Data to Analyze Student Careers

Organizer: HARVARD AND BOCCONI UNIVERSITY - UNIVERSITY OF PIEMONTE ORIENTALE

Coordinator: Daniele Vidoni (Policy Coordinator, European Commission, DG Education, Youth, Sports and Culture)

Longitudinal effect of early digital experiences on standardized learning outcomes during school career

Marco Gui (University of Milano Bicocca)

Giovanni Maria Abbiati (University of Brescia)

Chiara Respi (University of Milano Bicocca)

Sofia Ercolanoni (University of Milano Bicocca)

Indicators for assessing secondary school effectiveness and peers' impacts on facilitating tertiary education access and completion

Isabella Sulis (University of Cagliari)

Mariano Porcu (University of Cagliari)

Silvia Culumbu (University of Cagliari)

Cristian Usala (University of Cagliari)

The resilience in test scores and the mitigating effect of summer schools one year after the COVID-19 school closures

Letizia Gambi (KU Leuven)

Kristof De Witte (KU Leuven)

Do Financial Incentives Enhance University Participation and Achievement? Evidence from the Great Recession

Loris Vergolini (University of Bologna)

Nadir Zanini (OFQUAL)

Uni.Co: a diachronic model for analyzing the transition paths to employment of graduated students

Pietro Lucisano (University La Sapienza of Roma)

Andrea Marco De Luca (University La Sapienza of Roma)

Giulio Lucentini (University of Macerata)

19th October: 9.00 - 10.30 a.m.

Room 2 – Research 10

Session 5. International large-scale assessments (ILSAs) methods and results

Organizer: UNIVERSITY OF KU LEUVEN - UNIVERSITY OF BATH

Coordinator: Jan-Philipp Wagner (University of Bath)

Italian students' opinions on political and social issues in the IEA ICCS 2022 survey

Ornella Papa (INVALSI)

Michele Cardone (INVALSI)

Rita Marzoli (INVALSI)

Comparative Analysis of Civic Education Perceptions: Insights from Mexican and Chilean Teachers

Citlalli Sanchez-Alvarez (Universidad Autonoma de Baja California)

Students' future education pathways and their occupational aspirations

Beti Lameva (National Examinations Centre, North Macedonia)
Zaneta Chonteva (National Examinations Centre, North Macedonia)

Results of INVALSI standardized assessment as a tool for professional development of mathematics teachers
Camilla Spagnolo (University of Ferrara)
Maria Chiara Cibien (University of Ferrara)
Marta Saccoletto (Free University of Bolzano)
Carlotta Soldano (University of Torino)

Room 3 – Research 11

Session 4. INVALSI Data for Impact Assessment: Lights, Shadows, and Potential Developments
Organizer: UNIVERSITY OF MILAN BICOCCA - CATHOLIC UNIVERSITY OF MILAN - UNIVERSITY OF BOLOGNA & FBK-IRVAPP
Coordinator: *Loris Vergolini (University of Bologna)*

Informing secondary school students about financial aid: does it affect undergraduate enrollment rates?
Federica Laudisa (IRES Piemonte)
Samuele Poy (University of Piemonte Orientale)

Case Study of Policy Linking National Assessments to Measure SDG 4
Daniel Shephard (Indiana University Bloomington)
David Rutkowski (Indiana University Bloomington)

Learning losses during pandemic times: what role for school closures choices?
Silvia Duranti (IRPET)
Giada Garbini (Collegio Carlo Alberto)
Leonardo Grilli (Collegio Carlo Alberto)

The calculation of added value as a measure of social performance
Vincenzo Nunzio Scalcione (University of Basilicata)

Room 4 – Research 12

Session 10. Mathematical experiences to contrast learning loss and school drop-out in disadvantaged contexts
Organizer: UNIVERSITY OF SALERNO - POLYTECHNIC UNIVERSITY OF MILANO
Coordinator: *Giovannina Albano (University of Salerno)*

Learning loss in mathematics: the case of evolution in the period 2020-2024 in two comprehensive schools
Monica Alberti (MIM - PRIMARY SCHOOL)
Lucia Cirina (MIM - PRIMARY SCHOOL)
Maria Polo (University of Cagliari)

Inclusive education, learning loss and implicit dropout: how to interpret a relationship
Elisabetta Robotti (University of Genova)
Alessandra Boscolo (University of Genova)

Contrasting the development of learning loss in mathematics: a longitudinal challenge
Federica Ferretti (University of Ferrara)

19th October: 2.00 - 4.00 p.m.

Room 2 – Research 13

Session 5. International large-scale assessments (ILSAs) methods and results
Organizer: UNIVERSITY OF KU LEUVEN - UNIVERSITY OF BATH
Coordinator: *Maria-Magdalena Isac (University of KU Leuven)*

Civics Education During a Lockdown: COVID-19 Containment Policies and Grade 8 Student Civic Outcomes
Alec Kennedy (IEA - Hamburg)
Ana María Mejía-Rodríguez (IEA - Hamburg)
Rolf Strietholt (IEA - Hamburg)

Can Civic Education compensate social inequalities in civic outcomes? A literature review focused on Large-Scale Assessment Studies
Daniel Miranda (Pontificia Universidad Católica de Chile)

An Intersectional Approach to Students' Endorsement of Gender Equality using Multilevel Analysis of Individual Heterogeneity and Discriminatory Accuracy -MAIHDA
Natalia Lopez-Hornickel (University of Bath)
Diego Carrasco (Centro de Medición MIDE UC)

Andres Sandoval-Hernández (University of Bath)

Scoring the Education for Sustainable Development (ESD) Subscale on ICCS 2022: Methodological and Conceptual Challenges of Subscales

David Torres Iribarra (Pontificia Universidad Católica de Chile)

Diego Carrasco (Centro de Medición MIDE UC)

Pro-Environmental Dispositions Among Secondary School Students

Ernesto Trevino (Pontificia Universidad Católica de Chile)

Diego Carrasco (Centro de Medición MIDE UC)

Room 3 – Research 14

Session 9. Inequality and Educational Outcomes

Organizer: HARVARD AND BOCCONI UNIVERSITY

Coordinator: Michela Carlana (Harvard and Bocconi University)

Teacher effectiveness: insights from Italy

Giulia Assirelli (Catholic University of the Sacred Heart)

Giovanni Maria Abbiati (University of Brescia)

Inclusive Teaching and Classroom Relational Climate: Spotting Social Isolation in the Classroom

Marinella Leone (University of Pavia)

Sule Alan (European University Institute, Florence and Bilkent University)

Michela Carlana (Harvard University)

School Closures and Education Inequality: Is Online Teaching a Great Equalizer?

Massimo Anelli (University of Milano, Bocconi)

Vincenzo Galasso (University of Milano, Bocconi)

Silvia Griselda (University of Milano, Bocconi)

Herman G. Van De Werfhorst (European University Institute and Wissenschaftszentrum, Berlin)

Apart but Connected: Online Tutoring, Cognitive Outcomes, and Soft Skills

Michela Carlana (Harvard University)

Eliana La Ferrara (Harvard University)

HERO Teachers: Harbours Empathy to Raise Opportunities

Noemi Facchetti (University of Milano, Bocconi)

Selene Ghisolfi (Catholic University of the Sacred Heart)

Giovanna Marcolongo (University of Milano, Bocconi)

Marco Le Moglie (Catholic University of the Sacred Heart)

Room 4 – Research 15

Session 6. The accumulation of human capital: a common goal of school, vocational training, and the labour market

Organizer: INVALSI – IRPET - FBK-IRVAPP

Coordinator: Davide Azzolini (FBK-IRVAPP)

School to Work Transitions. A longitudinal study on three cohorts of students in the province of Trento

Davide Azzolini (FBK-IRVAPP)

Sonia Marzadro (FBK-IRVAPP)

Mattia Oliviero (University of Trento)

Participation and Dropout in Piedmont: How Integrating Data Sources Enhances Understanding of the Education and Training System

Luisa Donato (IRES Piemonte)

Carla Nanni (IRES Piemonte)

The origins of the gender wage gap: the role of school-to-work transition

Giulia Bovini (Bank of Italy)

Marta De Philippis (Bank of Italy)

Lucia Rizzica (Bank of Italy)

The (many) pillars of human capital accumulation

Lorenzo Maraviglia (INVALSI)

Regional vocational education and training pathways: A bridge to the completion of secondary education or a shortcut to the labour market?

Silvia Duranti (IRPET)

Valentina Patacchini (IRPET)

Francesco Bogazzi (University of Milano Bicocca)

19th October: 4.30 - 6.30 p.m.

Room 1 – Research 16

Session 10. Mathematical experiences to contrast learning loss and school drop-out in disadvantaged contexts

Organizer: UNIVERSITY OF SALERNO - POLYTECHNIC UNIVERSITY OF MILANO

Coordinator: *Domenico Brunetto (Polytechnic University of Milano)*

Problem solving laboratory: thinking in action in disadvantaged contexts

Pier Luigi Ferrari (University of Piemonte Orientale)

Annarita Monaco (IC "Francesca Morvillo", Roma)

From classroom teaching practice to significant linguistic experiences. How to support mathematics learning in heterogeneous primary school classes

Emanuela Atz (Bassa Atesina Linguistic Center)

Pier Luigi Ferrari (University of Piemonte Orientale)

Giovanna Mora (IC "Bassa Atesina", Bolzano)

Co-disciplinarity to reduce early leaving school: math education in a innovative and integrative dialogue with other disciplines

Antonella Montone (University of Bari)

Michele Giuliano Fiorentino (University of Bari)

Room 2 – Research 17

Session 9. Inequality and Educational Outcomes (Gender gap)

Organizer: HARVARD AND BOCCONI UNIVERSITY

Coordinator: *Agostino Portera (University of Verona)*

The gender gap among Italian students: PISA 2022 mathematics results

Angela Martini (Independent researcher)

Maria Teresa Siniscalco (ADI)

Unmasking gender gaps in reading and mathematics competences: the role of time and space

Emanuele Fedeli (University of Trento)

Andrea Pietrolucci (University of Milano, Statale)

The progress of women in science: a longitudinal population study on gender differences into university career in stem

Patrizia Giannantoni (INVALSI)

Patrizia Falzetti (INVALSI)