Curriculum vitae di *Salvatore Grimaldi*

Sottosettori ERC primari:
PE10_17 Hydrology, hydrogeology, engineering and environmental geology, water and soil pollution
PE8_3 Civil engineering, architecture, maritime/hydraulic engineering, geotechnics, waste treatment

PERSONAL DETAILS

Family name, First name: **Grimaldi, Salvatore**

Researcher unique identifier(s): **orcid.org/0000-0001-5715-106X**

URL for web site: **https://www.researchgate.net/profile/Salvatore-Grimaldi-2**

EDUCATION AND KEY QUALIFICATIONS

2001 PHD IN HYDROLOGY FOR ENGINEERING,
Faculty of Engineering, Department of Civil and Environmental Engineering, Sapienza University of Rome, Rome, Italy.
Name of PhD Supervisor: Prof. Lucio Ubertini

1997 LAUREA IN HYDRAULIC CIVIL ENGINEERING
Faculty of Engineering, Department of Civil and Environmental Engineering, Sapienza University of Rome, Rome, Italy

CURRENT POSITION

2016 -2026 FULL PROFESSOR:
Department for innovation in biological, agro-food and forest systems, Università degli Studi della Tuscia, Viterbo, Italy

2010-2026 AFFILIATED FACULTY, Department of Mechanical and Aerospace Engineering, New York University, USA

PREVIOUS POSITION(S)

2005- 2016 ASSOCIATE PROFESSOR:
Department for innovation in biological, agro-food and forest systems, Università degli Studi della Tuscia, Viterbo, Italy

2001 – 2005 RESEARCHER:
Research institute for geo-hydrological protection (IRPI), National Research Council, Italy

2001 POSTDOCTORAL RESEARCH ASSOCIATE
Department of Civil and Environmental Engineering, Massachusetts Institute of Technology, MIT, Cambridge, USA

SCIENTIFIC PROFILE:

RESEARCH ACHIEVEMENTS AND PEER RECOGNITION

RESEARCH ACHIEVEMENTS

BIBLIOGRAPHY

SALVATORE GRIMALDI IS THE AUTHOR OF 106 PUBLICATIONS IN PEER REVIEWED SCIENTIFIC JOURNAL.

STANFORD/ELSEVIER'S TOP 2% SCIENTIST

NUMBER OF CITATIONS RECORDED BY SCOPUS
SCOPUS TOTAL CITATIONS: 7027 (AS FOR MARCH 2026)
H-INDEX: 43

NUMBER OF CITATIONS RECORDED BY GOOGLE SCHOLAR
TOTAL CITATIONS: 9804 (AS FOR MARCH 2026)
H-INDEX: 50

SELECTED PUBLICATIONS (NUM=20)

1. Cappelli F., Volpi E., Langousis A., Deidda R., Perdios A., Furcolo P., **Grimaldi S.** Sub-daily rainfall simulation using multifractal canonical disaggregation: a parsimonious calibration strategy based on intensity-duration-frequency curves (2025) Stochastic Environmental Research and Risk Assessment, 39 (1), pp. 1 - 19,

   Significance. Introduces a parsimonious and operational strategy for sub-daily rainfall simulation using multifractal disaggregation calibrated solely on IDF curves. The study bridges advanced stochastic theory and engineering design practice, enabling technology-ready tools for infrastructure resilience under data-scarce conditions.
   Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

2. Cappelli F., Volpi E., Langousis A., Deidda R., Perdios A., **Grimaldi S.** Rainfall simulation based on parsimonious calibration of a multifractal canonical disaggregation scheme in the Arno river basin, Italy (2025) Journal of Hydrology: Regional Studies, 59, art. no. 102447,

   Significance. Demonstrates the large-scale applicability of multifractal disaggregation in a real river basin, validating a low-parameter calibration framework. The work advances scalable hydrological modeling approaches that directly support regional climate-risk adaptation strategies.
   Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

3. **Grimaldi S**., Petroselli A., Cappelli F., Piscopia R., Bianchini S., Centola A., Scarola M., de Gennaro V., Giove R.M. An Interactive Platform for Design Hydrograph Estimation in Small and Ungauged Basins: Pilot Implementation in the Lazio Region, Italy (2025) Water (Switzerland), 17 (21), art. no. 3122.

   Significance. Develops an interactive digital platform for design hydrograph estimation in small and ungauged basins. By translating advanced hydrologic modeling into an accessible decision-support tool, the study exemplifies the transfer of research innovation into operational technology for public authorities.
   Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

4. **Grimaldi S.,** Cappelli F., Papalexiou S.M., Petroselli A., Nardi F., Annis A., Piscopia R., Tauro F., Apollonio C. Optimizing sensor location for the parsimonious design of flood early warning systems (2024) Journal of Hydrology X, 24, art. no. 100182,

   Significance. Proposes an optimization framework for sensor placement in flood early warning systems based on parsimony principles. The research enhances the cost-effectiveness and technological robustness of real-time monitoring networks for disaster risk reduction.
   Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

5. Cappelli F., Papalexiou S.M., Markonis Y., **Grimaldi S.** PyCoSMoS: An advanced toolbox for simulating real-world hydroclimatic data (2024) Environmental Modelling and Software, 178, art. no. 106076,

Significance. Introduces PyCoSMoS, an advanced open-source toolbox for hydroclimatic data simulation. By embedding cutting-edge stochastic methods into a reproducible software environment, the study accelerates innovation in climate impact modeling and digital hydrology.
Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

6. Cappelli F., **Grimaldi S.** Feature importance measures for hydrological applications: insights from a virtual experiment (2023) Stochastic Environmental Research and Risk Assessment, 37 (12), pp. 4921 - 4939,

   Significance. Provides a systematic investigation of feature importance measures in hydrology through controlled virtual experiments. The work strengthens the scientific reliability of machine-learning-driven environmental models, fostering transparent and trustworthy AI applications.
   Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

7. Tauro F., Petroselli A., **Grimaldi S.** Thinking inside the box: Investigating peak storm response in a simplified outdoor slope setup (2023) Journal of Hydrology, 625, art. no. 130064,

   Significance. Explores peak storm responses through controlled outdoor experiments on simplified slopes. The study links experimental hydrology and physical process understanding, contributing to improved design criteria for erosion control and slope stabilization technologies.
   Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

8. Noto S., Tauro F., Petroselli A., Apollonio C., Botter G., **Grimaldi S.** Low-cost stage-camera system for continuous water-level monitoring in ephemeral streams (2022) Hydrological Sciences Journal, 67 (9), pp. 1439 - 1448,

   Significance. Develops and validates a low-cost stage-camera system for continuous water-level monitoring in ephemeral streams. The innovation democratizes hydrological monitoring by integrating imaging technology with environmental sensing in data-sparse regions.
   Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

9. **Grimaldi S.,** Volpi E., Langousis A., Michael Papalexiou S., De Luca D.L., Piscopia R., Nerantzaki S.D., Papacharalampous G., Petroselli A. Continuous hydrologic modelling for small and ungauged basins: A comparison of eight rainfall models for sub-daily runoff simulations (2022) Journal of Hydrology, 610, art. no. 127866,

   Significance. Provides a comprehensive comparison of rainfall models for continuous sub-daily runoff simulation in ungauged basins. The research informs robust model selection for digital hydrologic platforms supporting infrastructure planning and flood mitigation.
   Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

10. **Grimaldi S.,** Nardi F., Piscopia R., Petroselli A., Apollonio C. Continuous hydrologic modelling for design simulation in small and ungauged basins: A step forward and some tests for its practical use (2021) Journal of Hydrology, 595, art. no. 125664,

    Significance. Advances fully continuous hydrologic modeling for design simulation in ungauged basins. The study marks a shift from event-based to process-based design methodologies, strengthening technological tools for resilient hydraulic infrastructure.
    Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

11. Perks M.T., Fortunato Dal Sasso S., Hauet A., Jamieson E., Le Coz J., Pearce S., Peña-Haro S., Pizarro A., Strelnikova D., Tauro F., Bomhof J., **Grimaldi S.,** Goulet A., Hortobágyi B., Jodeau M., Käfer S., Ljubičić R., Maddock I., Mayr P., Paulus G., Pénard L., Sinclair L., Manfreda S. Towards harmonisation of image velocimetry techniques for river surface velocity observations (2020) Earth System Science Data, 12 (3), pp. 1545 – 1559.

Significance. Establishes harmonized protocols for image velocimetry techniques in river surface velocity monitoring. This international effort standardizes emerging optical measurement technologies, facilitating their integration into next-generation monitoring systems.
Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

12. Nardi F., Annis A., Baldassarre G.D., Vivoni E.R., **Grimaldi S.** GFPLAIN250m, a global high-resolution dataset of earth's floodplains (2019) Scientific Data, 6, art. no. 309,

Significance. Introduces GFPLAIN250m, a high-resolution global dataset of floodplains. By providing an open geospatial resource for flood hazard assessment, the work supports data-driven innovation in global risk mapping and climate resilience planning.
Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

13. **Grimaldi S.,** Petroselli A., Baldini L., Gorgucci E. Description and preliminary results of a 100 square meter rain gauge (2018) Journal of Hydrology, 556, pp. 827 - 834,

Significance. Presents the design and preliminary testing of a 100 m² rain gauge for high-accuracy precipitation measurement. The study pioneers instrumentation innovation aimed at reducing uncertainty in extreme rainfall quantification.
Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

14. Tauro F., Piscopia R., **Grimaldi S.** Streamflow Observations From Cameras: Large-Scale Particle Image Velocimetry or Particle Tracking Velocimetry? (2017) Water Resources Research, 53 (12), pp. 10374 - 10394,

Significance. Compares large-scale PIV and PTV techniques for camera-based streamflow observation. The research advances non-contact hydrometric technologies, expanding the potential of computer vision in environmental monitoring.
Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

15. Tauro F., Porfiri M., **Grimaldi S.** Surface flow measurements from drones (2016) Journal of Hydrology, 540, pp. 240 - 245,

Significance. Demonstrates the use of drones for surface flow measurements in natural streams. The study anticipates the integration of UAV platforms into hydrological observation systems, promoting flexible and scalable monitoring technologies.
Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

16. Volpi E., Fiori A., **Grimaldi S.,** Lombardo F., Koutsoyiannis D. One hundred years of return period: Strengths and limitations (2015) Water Resources Research, 51 (10), pp. 8570 - 8585,

Significance. Critically reassesses the concept of return period after a century of application in hydrology. The work reshapes probabilistic design thinking, influencing risk-based engineering standards and climate adaptation strategies.
Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

17. Tauro F., Porfiri M., **Grimaldi S.** Orienting the camera and firing lasers to enhance large scale particle image velocimetry for streamflow monitoring (2014) Water Resources Research, 50 (9), pp. 7470 - 7483,

Significance. Enhances large-scale particle image velocimetry through optimized camera orientation and laser illumination. The study improves the technical performance of optical flow measurements, contributing to more accurate and automated hydrometric systems.
Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

18. Gŕaler B., Van Den Berg M.J., Vandenberghe S., Petroselli A., **Grimaldi S.,** De Baets B., Verhoest N.E.C. Multivariate return periods in hydrology: A critical and practical review focusing on synthetic design hydrograph estimation (2013) Hydrology and Earth System Sciences, 17 (4), pp. 1281 - 1296,

Significance. Provides a critical and practical review of multivariate return periods for synthetic design hydrograph estimation. The research advances multivariate risk modeling, supporting more realistic engineering design under compound hazard conditions.
Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

19. **Grimaldi S.,** Petroselli A., Arcangeletti E., Nardi F. Flood mapping in ungauged basins using fully continuous hydrologic-hydraulic modelling (2013) Journal of Hydrology, 487, pp. 39 - 47,

Significance. Introduces a fully continuous hydrologic-hydraulic modeling framework for flood mapping in ungauged basins. The study integrates process-based simulation and hydraulic routing, strengthening predictive technologies for flood hazard assessment.
Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

20. Tauro F., **Grimaldi S.,** Petroselli A., Porfiri M. Fluorescent particle tracers for surface flow measurements: A proof of concept in a natural stream (2012) Water Resources Research, 48 (6), art. no. W06528,

Significance. Demonstrates the feasibility of fluorescent particle tracers for surface flow measurements in natural streams. The proof-of-concept establishes the foundation for innovative optical tracing techniques in environmental hydraulics.
Role of the candidate S. Grimaldi led the scientific conceptualization and supervision of the study, contributing to methodology development, formal analysis, interpretation of results, and manuscript preparation and revision.

PEER RECOGNITION, HONORS

ELECTED ACADEMY MEMBERSHIPS

2025-2029 PRESIDENT OF INTERNATIONAL ASSOCIATION OF HYDROLOGICAL SCIENCES (IAHS – www.iahs.org. One-hundred years old association involving more than 10000 members. This is the first time in IAHS history that an Italian scientist has served as President).

2023-2025 PRESIDENT OF COST ASSOCIATION (WWW.COST.EU). The European Cooperation in Science and Technology (COST) is a funding organisation for the creation of research networks, called COST Actions. It is an EU-funded, intergovernmental framework with 41 country members.

PRIZES, AWARDS, RECOGNITIONS

2020-2021-2022-2023; 2024-2025; 2% WORLD TOP CITED SCIENTISTS. RANKING DEVELOPED BY STANFORD UNIVERSITY AND ELSEVIER

INVITED LECTURES TO MAJOR CONFERENCES, INSTITUTIONAL EVENTS, FORUM

AS PRESIDENT OF IAHS AND COST ASSOCIATION, THE CANDIDATE HAS DELIVERED NUMEROUS INVITED KEYNOTE AND GENERAL LECTURES AT LEADING INTERNATIONAL CONFERENCES, UNIVERSITIES, AND RESEARCH INSTITUTIONS. A SELECTION OF REPRESENTATIVE EXAMPLES IS PROVIDED BELOW.

2025 INTERNATIONAL WORKSHOP ON EARTH WATER FUTURES DATE, NORTH CHINA UNIVERSITY OF WATER RESOURCES AND ELECTRIC POWER ZHENGZHOU, CHINA.
2025 XXVI SIMPÓSIO BRASILEIRO DE RECURSOS HÍDRICOS, VITÓRIA – ES, BRASIL.
2023 INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS - IUGG GENERAL ASSEMBLY, BERLIN, GERMANY.
2016 CONFERENCE "MEASUREMENT AND OBSERVATIONS IN THE 21ST CENTURY", ESA-ESRIN, FRASCATI, ITALY.
2016 WORKSHOP "LE PIOGGE INTENSE SU ROMA: UN FENOMENO ANTICO O UN CAMBIAMENTO RECENTE?" SALA DELLA PROTOMOTECA, PALAZZO DEL CAMPIDOGLIO,ROMA, ITALY
2014 WORKSHOP "LE ALLUVIONI E LA DIFESA DEL SUOLO IN ITALIA", BIBLIOTECA CAMERA DEI DEPUTATI, ROMA, ITALY.

COORDINATION/PI/PARTICIPATION OF EUROPEAN AND INTERNATIONAL PROJECTS (SINCE 2020)

2026-2029 NATIONAL COORDINATOR, "WHERE DO FLOODS BEGIN?" – **FIS – FONDO ITALIANO PER LA SCIENZA** – MUR, (€1,5M)
2024-2025 NATIONAL COORDINATOR, "SIMPRO-RAIN" , PNRR MUR– M4C2 – INVESTIMENTO 1.3., (€150K).
2023-2025 LOCAL COORDINATOR, "DEHYSI - DESIGN HYDROLOGIC SIMULATION", PRIN2022 OF MUR – N. 2022NBXJSL, (€390K).
2019-2021 NATIONAL COORDINATOR, "SIMPRO - SIMULAZIONE IDROLOGICO-IDRAULICO-ECONOMICA DI PROGETTO PER LA MITIGAZIONE DEL RISCHIO IDRAULICO", ENVIRONMENTAL MINISTRY (MATTM), (€249K),

PEER REVIEWER ACTIVITY OF NATIONAL AND INTERNATIONAL GRANTS

2025 – PANEL CHAIR, SHOTA RUSTAVELI NATIONAL SCIENCE FOUNDATION (SRNSFG), EUROPEAN SCIENCE FOUNDATION

2015 - 2019, COST ACTION REVIEW PANEL MEMBER. COST ASSOCIATION.

OTHER CONTRIBUTIONS TO THE RESEARCH COMMUNITY

EDITORIAL SERVICE:

2022 - TO DATE, ASSOCIATE EDITOR OF STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT.

2009 - TO DATE, ASSOCIATE EDITOR OF ADVANCES IN WATER RESOURCES.

2022 - TO DATE, ASSOCIATE EDITOR OF JOURNAL OF AGRICULTURAL ENGINEERING.

2019 - 2023, EDITOR IN CHIEF OF GEOSCIENTIFIC INSTRUMENTATION, METHODS AND DATA SYSTEMS JOURNAL.

2013 - 2019, ASSOCIATE EDITOR OF HYDROLOGY.

2009 - 2015, ASSOCIATE EDITOR OF HYDROLOGICAL SCIENCE JOURNAL.

REVIEWER AND PANELIST:

2001 - 2024, SERVED AS REVIEWER OF MORE THAN 140 JOURNALS AND INSTITUTIONS.

ADVISING AND MENTORING ACTIVITY

2005 - 2024, 30 MASTER STUDENTS, 3 PHD STUDENTS, 1 POST-DOC, DIBAF DEPARTMENT, UNIVERSITÀ DEGLI STUDI DELLA TUSCIA (UNITUS), ITALY

SPECIFICALLY:

1 PHD: WAS DUAL PHD WITH DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING, NEW YORK UNIVERSITY. CURRENTLY, ASSOCIATE PROFESSOR AT UNITUS, ITALY.

1 PHD: CURRENTLY, ASSOCIATE PROFESSOR AT UNIVERSITÀ DEGLI STUDI DI ROMA TOR VERGATA, ITALY.

1 PHD: CURRENTLY, WILLIS RESEARCH FELLOW AT NEWCASTLE UNIVERSITY, UK

1 POST-DOC: CURRENLTY, ASSISTANT PROFESSOR AT UNITUS, ITALY.

ACADEMIC AND PROFESSIONAL SOCIETIES ENGAGEMENT

ROLES IN THE SCIENTIFIC SYSTEM, AT THE NATIONAL AND INTERNATIONAL LEVELS (SCIENTIFIC SOCIETIES, COMMISSIONS, WORKING GROUPS, EVALUATION PANELS**)**

2004- TO DATE, EXECUTIVE COMMITTEE SECRETARY, CENTRO INTERUNIVERSITARIO DI FORMAZIONE INTERNAZIONALE, SAPIENZA UNIVERSITÀ DI ROMA (COORDINATOR OF "COLLEGE ITALIA" PROJECT IN CHARGE OF NEGOTIATION, PURCHASE, AND FUNCTIONING OF FIFTEEN APARTMENTS IN NEW YORK CITY, USA FOR SUPPORTING ITALIAN STUDENTS INVOLVED IN EXCHANGE PROGRAMS: HTTP://WWW.H2CU.ORG/DRUPALUNI/DIPARTIMENTO/COLLEGE-ITALIA); COORDINATOR OF BILATERAL ACADEMIC AND RESEARCH AGREEMENTS WITH COLUMBIA UNIVERSITY, NEW YORK UNIVERSITY, PACE UNIVERSITY, AND MIT).

2025-TO DATE MEMBER OF THE ADMINISTRATION COUNCIL OF UNIVERSITÀ DEGLI STUDI DELLA TUSCIA.

2021-2025, MEMBER OF THE ACADEMIC SENATE OF THE UNIVERSITÀ DEGLI STUDI DELLA TUSCIA.

2016-2021, PRESIDENT OF THE UNIVERSITY QUALITY BOARD, UNIVERSITÀ DEGLI STUDI DELLA TUSCIA.

2009-2011, DEPARTMENT HEAD, UNIVERSITÀ DEGLI STUDI DELLA TUSCIA

ORGANIZATION OF INTERNATIONAL CONFERENCE, CONGRESS, WORKSHOP

2025, IAHS XII SCIENTIFIC ASSEMBLY, INDIA (600 PARTICIPANTS)

2008 - 2023, ELEVEN EDITIONS OF THE INTERNATIONAL WORKSHOP ON STATISTICAL HYDROLOGY (USA, ITALY, CHINA, POLAND, CANADA, ETHIOPIA, UAE, GREECE, TUNISIA) (IN AVERAGE, 100 PARTICIPANTS)

2019, MOXXI, CANDHY, WMO HYDROHUB, & CUAHSI JOINT CONFERENCE, NEW YORK CITY, USA (100 PARTICIPANTS)

2007, GENERAL ASSEMBLY OF INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS, IUGG 2007, ITALY. (4200 PARTICIPANTS)

2002 - 2024, CONVENER OR CO-CONVENERS IN MORE THAN 20 SESSIONS IN GENERAL ASSEMBLIES (IAHS, IUGG, AGU, EGU, ICWRER).

THIRD MISSION: OUTREACH AND DISSEMINATION OF RESEARCH FINDINGS TO GENERAL PUBLIC

S. GRIMALDI ORGANIZES PROFESSIONAL TRAINING SEMINARS WITH THE ORDER OF ENGINEERS OF THE PROVINCE OF ROME AND DIRECTS MECHYDROLAB (MECHANICAL ENGINEERING FOR HYDROLOGY AND WATER SCIENCE), AN EXPERIMENTAL AND NUMERICAL RESEARCH LABORATORY WHOSE OUTPUTS ARE OPENLY ACCESSIBLE ONLINE.

THE LABORATORY'S ACTIVITIES WERE FEATURED ON NATIONAL TELEVISION WITH AN AUDIENCE EXCEEDING TWO MILLION VIEWERS: RAI 1 – "LINEA VERDE LIFE" – JANUARY 21, 2021, HTTPS://WWW.RAIPLAY.IT/VIDEO/2021/01/LINEA-VERDE-LIFE-VITERBO-0DE46865-3DBC-4B1C-A099-7615B0C5EDC9.HTML .