



SCIENCE AND TECHNOLOGY ORGANIZATION  
CENTRE FOR MARITIME RESEARCH AND EXPERIMENTATION



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**NATO's Maritime Research Centre Celebrates the International Day of Women and Girls in Science**

LA SPEZIA, ITALY— On 11 February the NATO Science and Technology Organization Centre for Maritime Research and Experimentation (CMRE) will host a special virtual press conference with Director Dr Catherine Warner to celebrate the International Day of Women and Girls in Science. Founded by the United Nations (UN) in 2015, this event aims to close the gender gap in STEM fields and bring full and equal access to and participation in science for women and girls. During the press conference, Dr Warner will address her personal experiences as a scientist as well as how NATO encourages students, particularly young women, to participate in research fields such as environmental studies, maritime security, and autonomy and underwater robotics.

**What:** CMRE Media Day to Celebrate the International Day of Women and Girls in Science

**Who:** Dr Catherine Warner, CMRE Director

**When:** 14:30 CET, 11 February 2021

**Where:** WebEx meeting platform, hosted by CMRE

To register, please email [pao@cmre.nato.int](mailto:pao@cmre.nato.int) by 17:00 CET on 09 February.

For more information about CMRE, please watch:

[60 Years of Excellence in Maritime Science featuring CMRE Director, Dr Catherine Warner](#)

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**About Dr Catherine Warner**

*Dr. Catherine Warner is the Director of NATO's Centre for Maritime Research and Experimentation in La Spezia, Italy. She was selected in 2017 following 25 years of experience in defence science and technology, studies, analyses, management, and operational test and evaluation.*

*Dr Warner was the primary technical advisor to the Director, Operational Test and Evaluation within the US Office of the Secretary of Defense; her mission was to ensure the office fulfilled its statutory responsibility on the oversight and reporting of test and evaluation results for major weapons systems to Congress and senior Defence Department leadership. She was an active participant with academia and government researchers developing modern statistical methods for defense test and evaluation. She was responsible for*

*developing executive training for military and civilian test and acquisition professionals in the fields of requirements development, design of experiments, reliability management and human factors. For two years, she was the technical director for the international procurement of high power ground based radars as part of major upgrades to the US open-air test and training ranges.*

*In 2013 at the request of the Defense Information Systems Agency (DISA), Dr Warner deployed to Kabul, Afghanistan for 16 months in support of NATO's International Security Assistance Force (ISAF) and the US Operation Enduring Freedom (OEF). She led a team of Information Technology specialists in advising Afghanistan's Ministry of Communications and Information Technology on enhancing national communication capabilities for the security and economic growth of the country. The primary focus of this team included supporting the completion of Afghanistan's National Fiber Optic Ring, Spectrum Management, and Cyber Security.*

*From 1991 to 2010, Dr Warner was a research staff member at the Institute for Defense Analyses in Alexandria, Virginia where she performed analysis of operational tests for Army, Navy, and Air Force systems. She was an Assistant Director and the lead for Air Warfare. Her analysis portfolio included major aircraft systems such as the F-22, F/A-18E/F, V-22, and H-1. Earlier, she was the lead analyst for Unmanned Aerial Vehicle (UAV) systems including Predator, Shadow, Hunter, and Global Hawk.*

*Previously Dr Warner worked at the Lawrence Livermore National Laboratory. She grew up in Albuquerque, New Mexico, attended the University of New Mexico and San Jose State University as an undergraduate and earned both M.A. and Ph.D. degrees in Chemistry from Princeton University.*

## **About CMRE**

*Founded in 1959, first as the SACLANT ASW Research Centre and later the NATO Underwater Research Centre, the Centre for Maritime Research and Experimentation (CMRE) is an executive body of the NATO Science and Technology Organization (STO). CMRE's mission is to organize and conduct scientific research and technology development and deliver innovative and field-tested S&T solutions to address the defence and security needs of the Alliance, centred on the maritime domain.*

*CMRE operates two research vessels, the Global-Class (and ice strengthened) NATO Research Vessel ALLIANCE and the Coastal Research Vessel LEONARDO, each with extensive laboratory facilities and fitted with a wide-range of advanced sensing and equipment handling systems capable of precise manoeuvring for scientific research tasks. The Centre has a diverse fleet of autonomous underwater and surface vehicles and a world-class inventory of seagoing sensors. The research vessels and autonomous vehicles can be made available for use by customers through charter arrangements.*

*CMRE scientists create fundamental knowledge through multidisciplinary theoretical, numerical and experimental research. CMRE offers scientific research services in the fields of: signal processing; oceanographic remote and in-situ sensing and ocean-atmosphere modelling; control theory; acoustic modelling; modelling and simulation; operations research and analysis; data analytics; data fusion; autonomy; and algorithm development.*

*CMRE has a world-class ocean engineering capability, which enables the rapid development of concepts and prototypes for scientific experiments and military exercises. Many prototypes of sonar arrays and unmanned systems in the fields of anti-submarine warfare, mine countermeasures, port security and environmental monitoring have been developed and tested successfully at sea. CMRE's expertise covers mechanical, electrical, software and ocean engineering. CMRE has developed test and calibration facilities, which ensure the acquisition of curated calibrated data during experimentation at sea. For more information, please visit [cmre.nato.int](http://cmre.nato.int).*