Panel 2

Love for the oceans: Experience from Women's Eyes

Italian Navy perspective about Underwater Robotics

Co-funded by the European Union

THE NUMBERS OF THE UNDERWATER DIMENSION

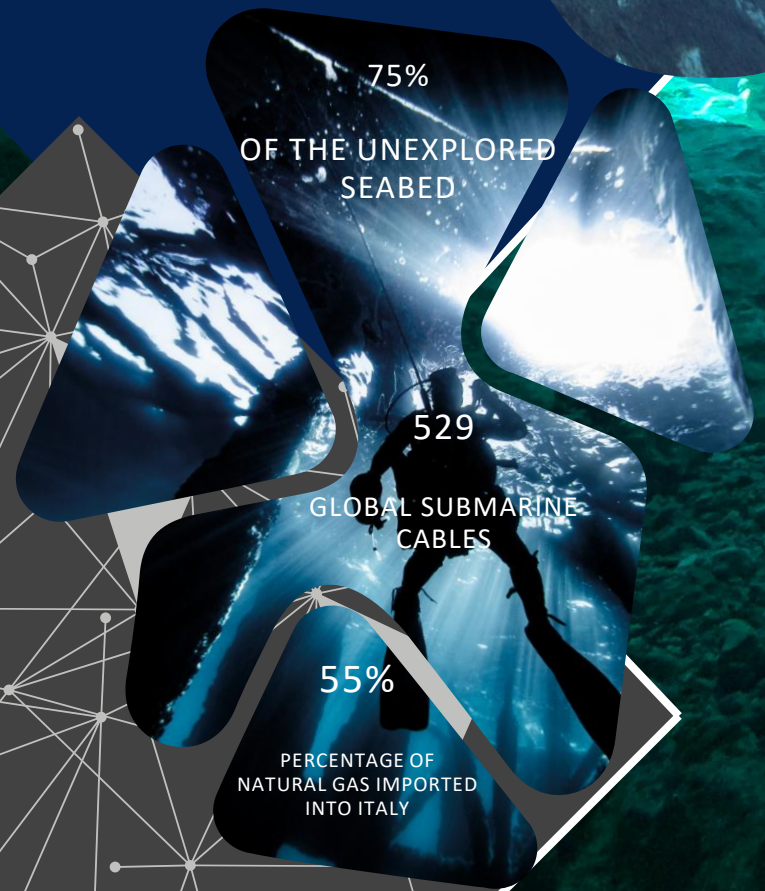
70%

OF THE EARTH'S SURFACE IS COVERED BY THE SEA.

99%

DIGITAL TELECOMMUNICATIONS

TRAVEL THROUGH THE UNDERWATER RIDGES



75%

OF THE UNEXPLORED SEABED

529

GLOBAL SUBMARINE CABLES

55%

PERCENTAGE OF NATURAL GAS IMPORTED INTO ITALY

90%

NATIONAL OIL DEMAND

IMPORTED INTO ITALY

THE VALUE OF THE UNDERWATER

400 MILIARDI

THE COMPONENTS OF UNDERWATER

OFFSHORE WIND WITH A TARGET OF 300 MW

70%

THE SEA COVERS THE EARTH'S SURFACE.

200

500

1000

2000

3000

3800

FISHING

80% OF THE UNEXPLORED SEABED

PROTECTION OF MARINE BIODIVERSITY

UNDERWATER ARCHAEOLOGICAL SITES

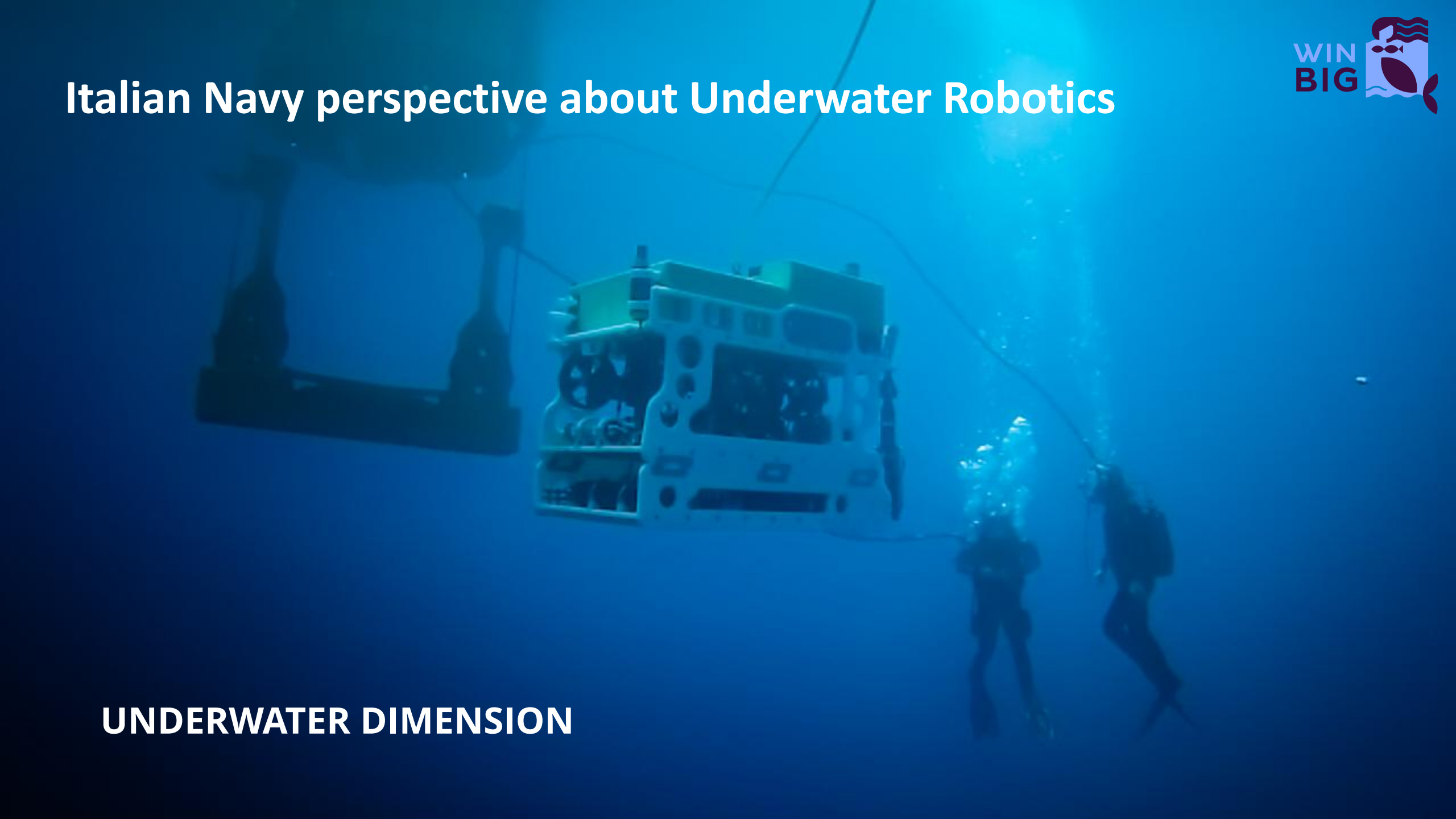
DEEP-SEA MINING

EXTRACTION

RARE EARTHS

SUBMARINE CABLES

Italian Navy perspective about Underwater Robotics



UNDERWATER DIMENSION

COOPERATION/COORDINATION

NATIONAL ALLIED COMMANDS

UE AGENCIES

MARCOM OPERATIONS CENTER

NATO OTAN

NATO'S MARITIME CENTRE FOR THE SECURITY OF CRITICAL UNDERSEA INFRASTRUCTURE

MARINA MILITARE

COMM

Operational Center Marina

CUIS C

CRITICAL UNDERSEA INFRASTRUCTURE SURVEILLANCE CENTRE

MARINE NATIONALE

UNITED STATES SIXTH FLEET

5+5 Defense

ADRION

Ministero per la Cooperazione e gli Affari Esteri

Ministero dell'Ambiente e della Sicurezza Energetica

Government Administrations

Eni

enel

snam

TAP

Terna Driving Energy

SPARKLE

TELECOM ITALIA

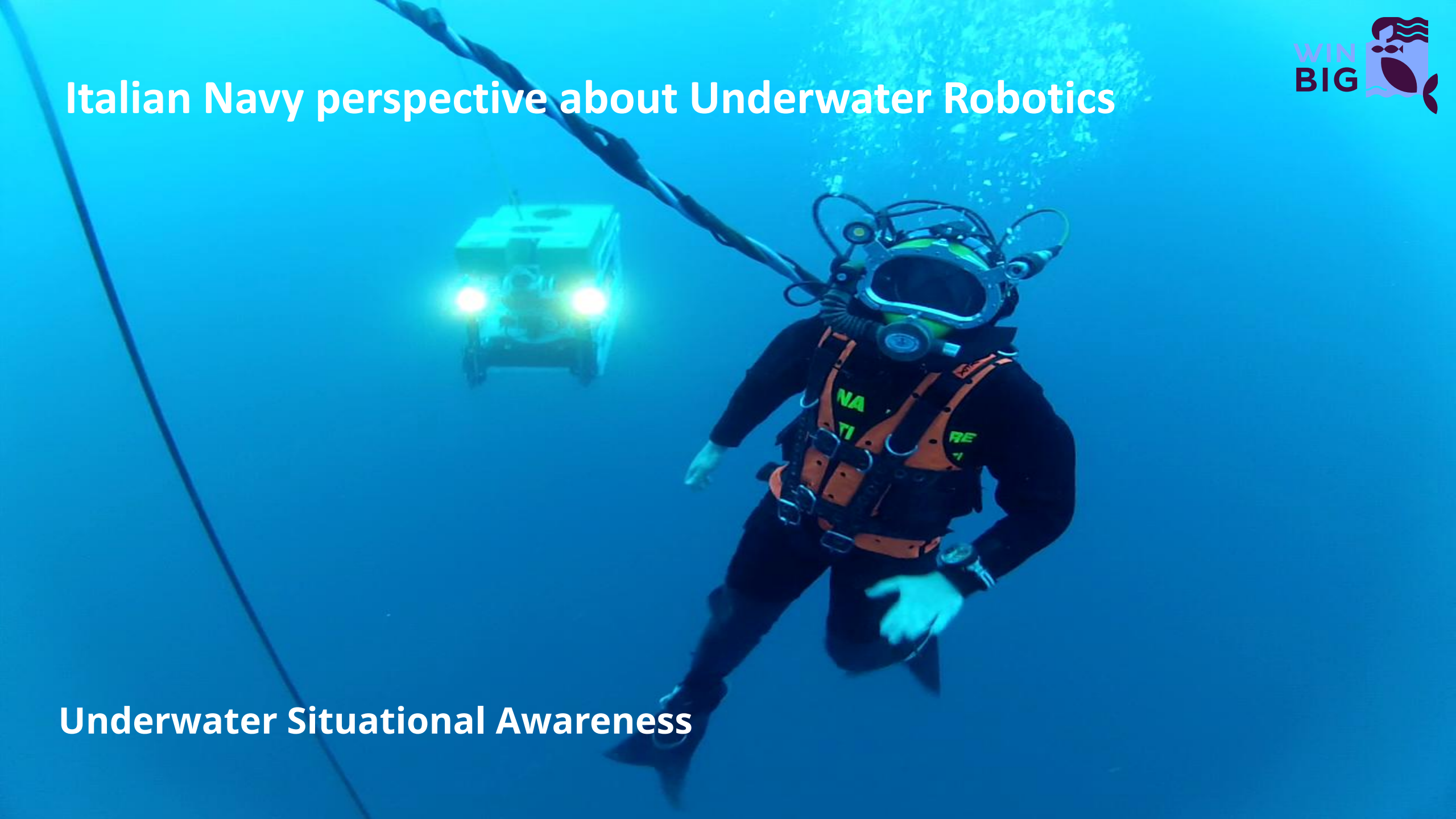
SAIPEM

RETELIT

PRYSMIAN CABLES & SYSTEMS

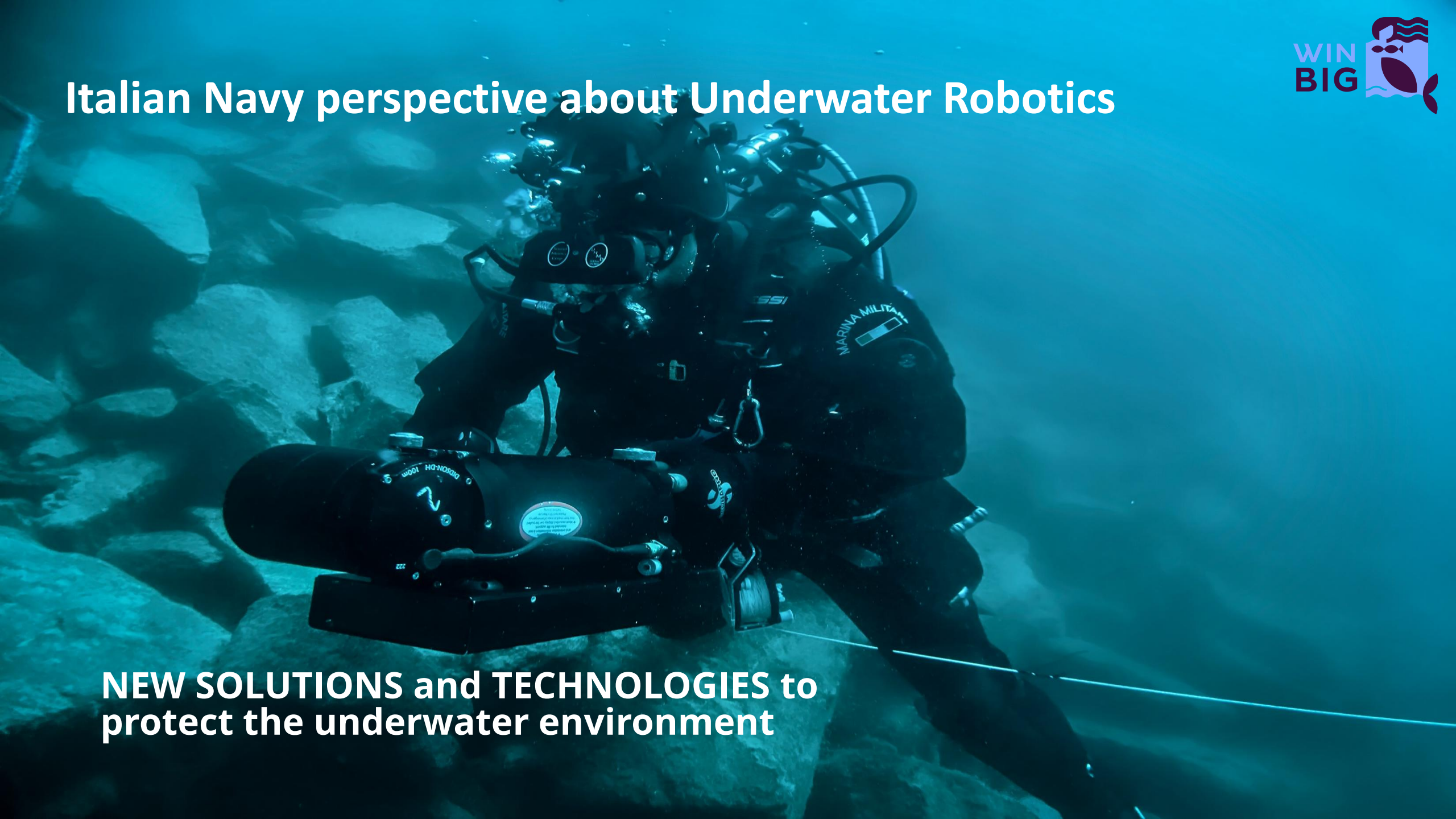
National Companies

Italian Navy perspective about Underwater Robotics



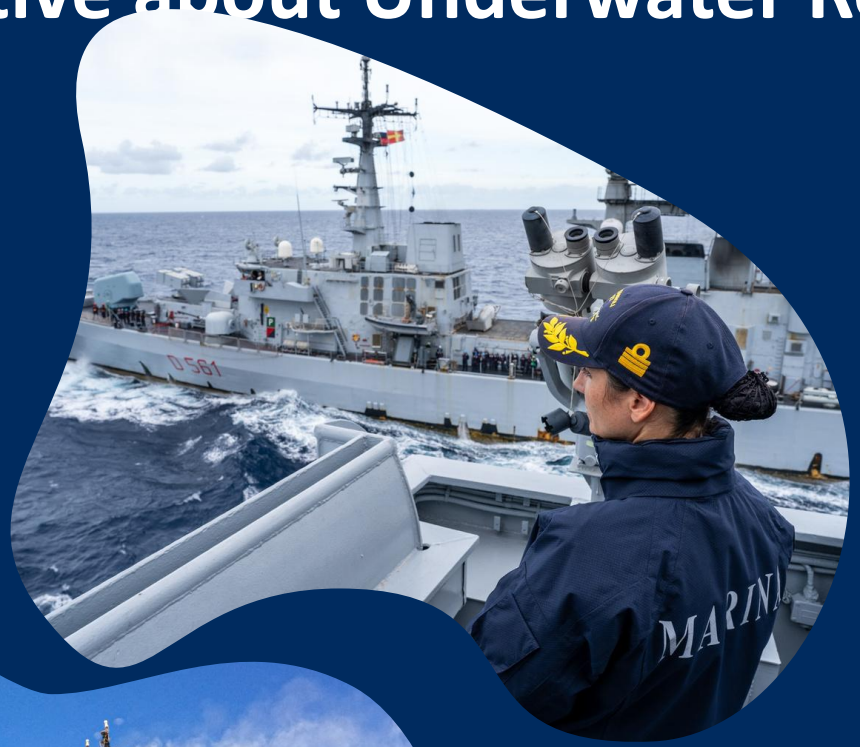
Underwater Situational Awareness

Italian Navy perspective about Underwater Robotics



NEW SOLUTIONS and TECHNOLOGIES to protect the underwater environment

Italian Navy perspective about Underwater Robotics



WIN BIG

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