



## **TUESDAY OCTOBER 18**

**10:30-11:00 a.m.**

**The use of robotic autonomous systems: a game-changer for navies | WORKSHOP AREA**

Speakers: ECA GROUP – IXBLUE

**10.45 - 11.00 a.m.**

**RTSYS : SEMA - Recoverable and two-man-portable ASW-operator's training target | PITCH AREA**

**11.00 - 11.15 a.m.**

**POLE MER BRETAGNE ATLANTIQUE: Presentation of the competitiveness cluster POLE MER BRETAGNE ATLANTIQUE | PITCH AREA**

**11:15 – 11:30 a.m.**

**ABEKING & RASMUSSEN: Mine Warfare USV Designed by a MCMV specialized Shipyard | PITCH AREA**

**11:30 – 11:45 a.m.**

**AIRBUS HELICOPTERS: VSR700, Airbus Helicopters Unmanned Aerial System, dedicated to maritime operations from ships | PITCH AREA**

**11:30 - noon**

**EU project SEANICE: protection against the underwater threats of tomorrow | WORKSHOP AREA**

Speakers: SCALIAN – THALES

**Noon – 12:45 p.m.**

**What are the challenges and prospects for the French Navy ? | WORKSHOP AREA**

Speakers: FRENCH NAVY

**02:00pm – 03:00 p.m.**

**ROUND TABLE EUROPEAN COOPERATION IN THE NAVAL DOMAIN | WORKSHOP AREA**

Speakers: GICAN - EDA - French Staff of armed forces - DG DEFIS - SEA NAVAL

**02:00pm – 02:15 p.m.**

**MARL INTERNATIONAL : LED Lighting for 21st Century | PITCH AREA**

**02:15 – 02:30 p.m.**

**IXBLUE : Presentation of AUV A18D and USV Drix products | PITCH AREA**

**02:30 – 02:45 p.m.**

**BAE SYSTEMS : Adaptable strike frigate – selling a ‘system of system’ vision | PITCH AREA**

**02:45 – 03:00 p.m.**

**ECA GROUP : Accelerated mine clearance using AUV multiview classification | PITCH AREA**

**03:00 – 03:30 p.m.**

**An example of European shipyard cooperation | WORKSHOP AREA**

Speaker: SEA DEFENCE

**03:15 – 03:30 p.m.**

**MC2 technologies : Place of the drones in the conflicts and proposed solutions | PITCH AREA**

**03:30 – 04:00 p.m.**

**Maritime Domain Awareness | WORKSHOP AREA**

SPEAKER: IXBLUE

**03:30 – 03:45 p.m.**

**THALES : Underwater acoustic relays: ACOM-NET | PITCH AREA**

**04:00 – 05:00 p.m.**

**Deep sea exploration & control: autonomous ships & systems | WORKSHOP AREA**

SPEAKERS: POLE MER BRETAGNE ATLANTIQUE et POLE MER MEDITERRANEE

## **WEDNESDAY OCTOBER 19**

**09:30-10:00 a.m.**

**Cyber resilience of ships and regulations | WORKSHOP AREA**

Speaker: BUREAU VERITAS

**10:00-10:30 a.m.**

**European Defence Fund | WORKSHOP AREA**

Speaker: DEFIS

**10:30 – 11:00 a.m.**

**Involvement in European project for Smart ships | WORKSHOP AREA**

Speakers: NAVANTIA - SINTEF

**10:30 – 10:45 a.m.**

**AIRBUS HELICOPTERS : H160M The helicopter for Naval Operations | PITCH AREA**

**10:45 – 11:00 a.m.**

**ENVIRONICS : New X-System for Naval CBRN monitoring | PITCH AREA**

**11:00 - 11:30 a.m.**

**Cyber in the Naval Warfare - Challenges & solutions | WORKSHOP AREA**

SPEAKER: NAVAL GROUP

**11:00 – 11:15 a.m.**

**GENERAL ATOMICS: AMALS 1 AAG : Enabling Next Generation Carrier Aviation | PITCH AREA**

**11:15 – 11:30 a.m.**

**WABTEC : Why your vessels need a cold ironing/Onshore Power Supply Device ? | PITCH AREA**

**11:30 a.m. – noon**

**Round table action of the State at sea IUU fishing | WORKSHOP AREA**

SPEAKERS : SG MER - NAVAL GROUP - THE FRENCH NAVY

**11:45 – noon**

**SERCEL : Versatile underwater acoustic modem MATS3G by Sercel | PITCH AREA**

**Noon - 12:30 p.m.**

**EURONAVAL AWARDS for INNOVATION**

**02:15 – 02:30 p.m.**

**VESTDAVIT : Mission Bay Handling Systems for Modular and Multi-Role Vessels | PITCH AREA**

**02:30 - 03:00 p.m.**

**How is the Navy dealing with the rising concerns with cybersecurity? | WORKSHOP AREA**

**SPEAKER: FRENCH NAVY**

**02:45 – 03:00 p.m.**

**CNIM AIR SPACE : Airborne maritime surveillance aerostat/balloon systems : the flying semaphore concept | PITCH AREA**

**03:00 – 03:15 p.m.**

**ALCATEL – LUCENT ENTREPRISE : Sovereign Collaboration in a Governing Environment: Hybrid Cloud Solutions | PITCH AREA**

**03:00-03:30 p.m.**

**Laser Communication, a new way to increase your throughput and information superiority at sea | WORKSHOP AREA**

**SPEAKER: AIRBUS DEFENCE & SPACE**

**03:30-04:00 p.m.**

**Naval Multi-Layered Defense – Adaptation to modern threats | WORKSHOP AREA**

**SPEAKER : RAFAEL**

**03:45 – 04:00 p.m.**

**RTSYS - SEMA : RECOVERABLE TARGET FOR ASW TRAINING | PITCH AREA**

**04:00 - 04:30 p.m.**

**Unmanned Mine Counter Measures: how to create symbiosis between the mothership and the toolbox** | WORKSHOP AREA

SPEAKERS: NAVAL GROUP – ECA

**04:30-05:00 p.m.**

Hard-Kill capability from a light-weight torpedo launched by surface ship | WORKSHOP AREA

SPEAKER: EUROTORP

## **THURSDAY OCTOBER 20**

**9:30- 10:30 a.m**

**Deep sea operations and interventions DATA COLLECTION, exploration and SEABED WARFARE** | WORKSHOP AREA

SPEAKERS : THALES – GICAN

**10:00 – 10:15 a.m.**

**SAAB: SAAB and the naval industry** | PITCH AREA

**10:30 – 10:45 a.m.**

**RAFAEL: Active Decoys -Luxury or necessity?** | PITCH AREA

**10:30-11:00 a.m.**

**Maritime UAS : Navies' missions enhancers** | WORKSHOP AREA

SPEAKERS: AIRBUS D & S

**11:00 – 11:15 a.m.**

**RTSYS: Underwater network RACAM° - Repositioning and Communication Acoustic Module** | PITCH AREA

**11:15 – 11:30 a.m.**

**ELWAVE: Subsea detection and classification by CEDAR™ Technology (Controlled Electric Detection and Ranging)** | PITCH AREA

**11:30 – noon**

**The Defence Innovation Agency and the Pôle Mer Méditerranée : a strategic collaboration**

| WORKSHOP AREA

SPEAKERS: AID - POLE MER MEDITERRANEE

**11:45 – noon**

**KONGSBERG DEFENCE & AEROSPACE: Vanguard – System of systems** | PITCH AREA

**Noon - 12:30 p.m**

**French approach of maritime policy and State at sea action** | WORKSHOP AREA

SPEAKER: DGAMPA

**02:00-02:30 p.m.**

**Professional training in the French shipbuilding industry** | WORKSHOP AREA

SPEAKER: CINAVAL

**02:00 – 02:15 p.m.**

**DA GROUP: Modern sea mine technology is safe and precise** | PITCH AREA

**02:15 – 02:30 p.m.**

**SH DEFENCE : The Cube™ System – Mission modules and handling system** | PITCH AREA

**03:00 - 03:30 p.m.**

**How does the French Navy rely on and take into account the space segment in its air-sea manoeuvre, what are the perspectives ?** | WORKSHOP AREA

SPEAKERS : THE FRENCH NAVY - DGRIS/DSPC

**03:00 – 03:15 p.m.**

**OPTONAVAL : Helicopter approach with night vision goggles** | PITCH AREA

**03:15 – 03:30 p.m.**

**Drones: from virtual environment training to operation for complex missions** | PITCH AREA

SPEAKER: SCALIAN

**03:30 – 04:00 p.m.**

**Alternative fuels – Options for naval operations? | WORKSHOP AREA**  
SPEAKER: MAN

**03:45 – 04:00 p.m.**

**INO ROPE: How synthetic innovations provide a complementary or/and alternative solution to the existing offer ? | PITCH AREA**

**04:00 – 04:30 p.m.**

**Cybersecurity of drones | WORKSHOP AREA**  
SPEAKERS: SG MER - FRANCE CYBER MARITIME - DGAMPA - SEAOWL

**04:30 - 05:00 p.m.**

**Engineering 4.0 : Simulation for Cyber-Physical Systems | WORKSHOP AREA**  
SPEAKER: NAVAL GROUP

## **FRIDAY OCTOBER 21**

**09:30-10:00 a.m.**

**Environmental challenges, climate change, sustainable solutions | WORKSHOP AREA**  
SPEAKER: WÄRTSILA FRANCE

**10:00 - 10:30 a.m.**

**Operational requirements and environmental stakes: Naval Group's approach for a first class warship | WORKSHOP AREA**  
SPEAKER: NAVAL GROUP

**10:30 - 11:30 a.m.**

**What new modes of propulsion in the maritime world, in the context of the new rules of the International Maritime Organisation? | WORKSHOP AREA**  
SPEAKERS: 3AED-IHEDN - NAVAL GROUP – BEYOND THE SEA – EMM

**10:30 - 11:30 a.m.**

**The shipbuilding industry: work experience and internship | PITCH AREA**  
SPEAKER : CINAV

**Noon - 12:30 p.m.**

**Tomorrow's hydrofoil-equipped defence vessels: strong international interest |**

WORKSHOP AREA

SPEAKER: **SEAir**