

# «CBRN TRAINING PROGRAMS IN RIETI»

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**Milan, June 24<sup>th</sup> 2025**

B. General Giorgio Guariglia  
ITA JCBRN Defence School Commanding Officer



# SCOPE AND AIM

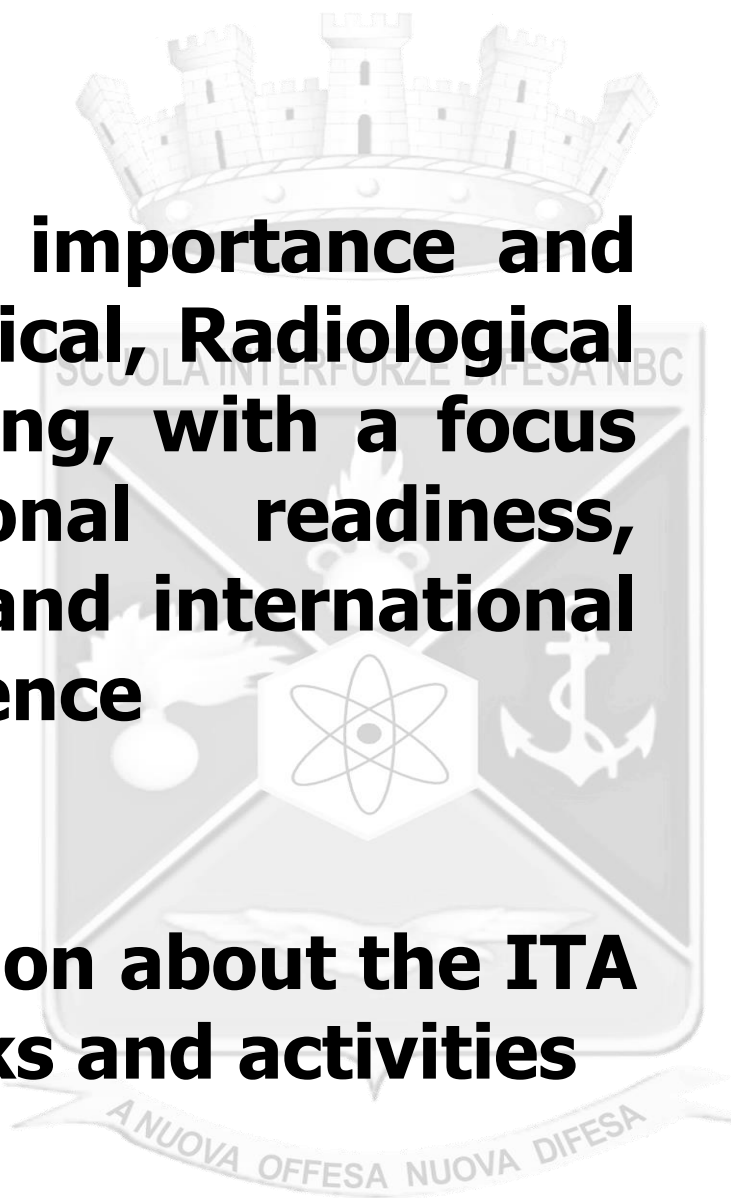


## SCOPE

**To highlight the strategic importance and impact of Chemical, Biological, Radiological and Nuclear (CBRN) training, with a focus on enhancing operational readiness, interagency coordination and international collaboration on CBRN defence**

## AIM

**To give you some information about the ITA JCBRND School and its tasks and activities**





**WHAT IS A CBRN EVENT?**



**NATO CBRN DEFENCE ORGANIZATION**



**ITA CBRN DEFENCE ORGANIZATION**



**ITA JOINT CBRN DEFENCE SCHOOL**





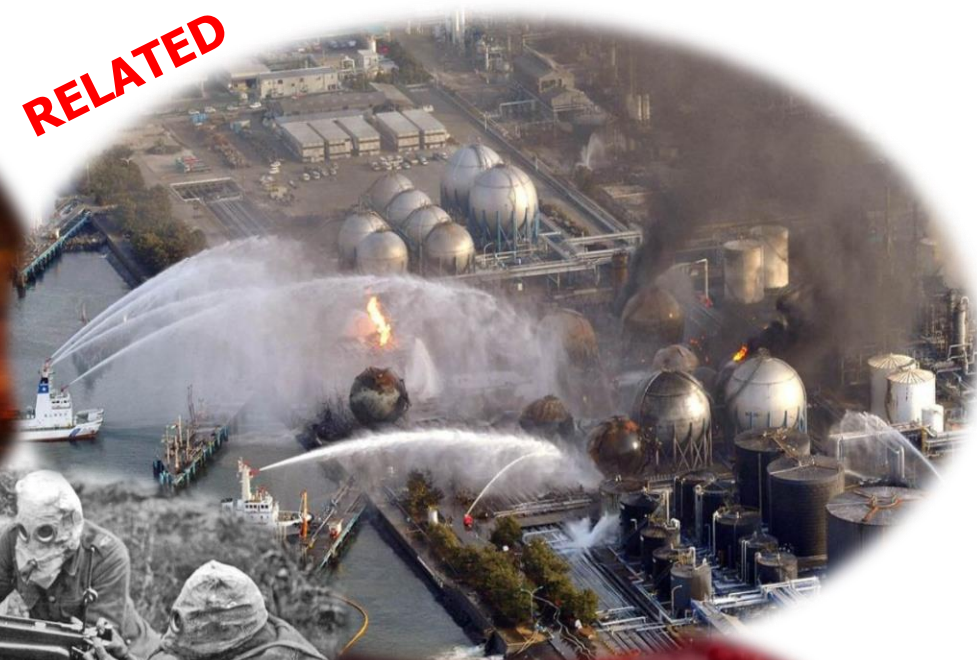
# WHAT IS A CBRN EVENT?



**ATTACK**



**RELATED**



**TIM**



**COVID-19**  
Coronavirus Disease 2019



**WW I**

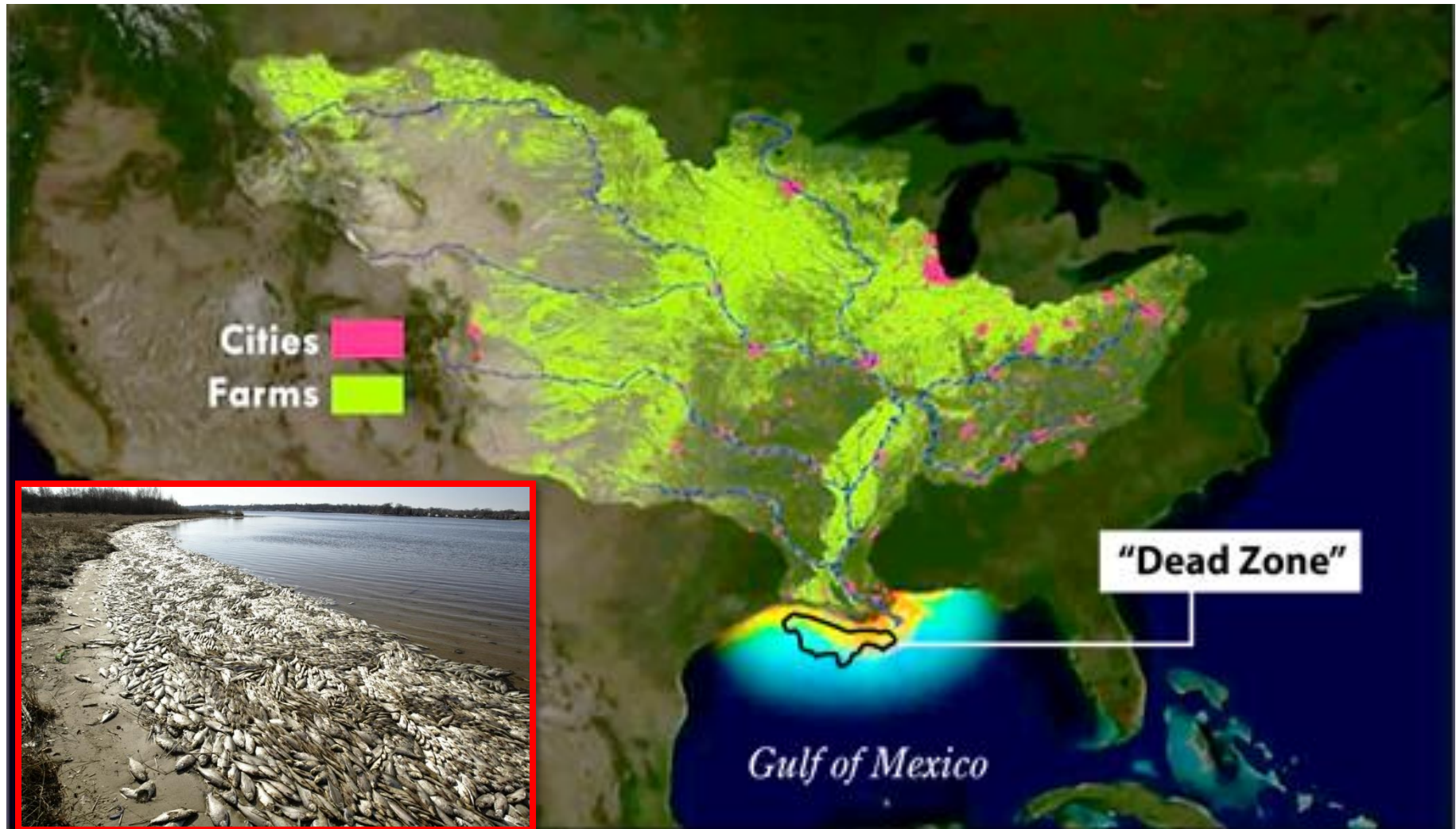
**WWII**

**COLD WAR**

**CURRENT TIME**



# WHAT IS A CBRN EVENT?



The dead zone in the Gulf of Mexico could reach record dimensions this year, between 19,000 and 22.000 km<sup>2</sup> (Puglia – Tuscany distance), surpassing the 2002 record of 21.950 km<sup>2</sup>.

# WHAT IS A CBRN EVENT?



AND EVEN TODAY...

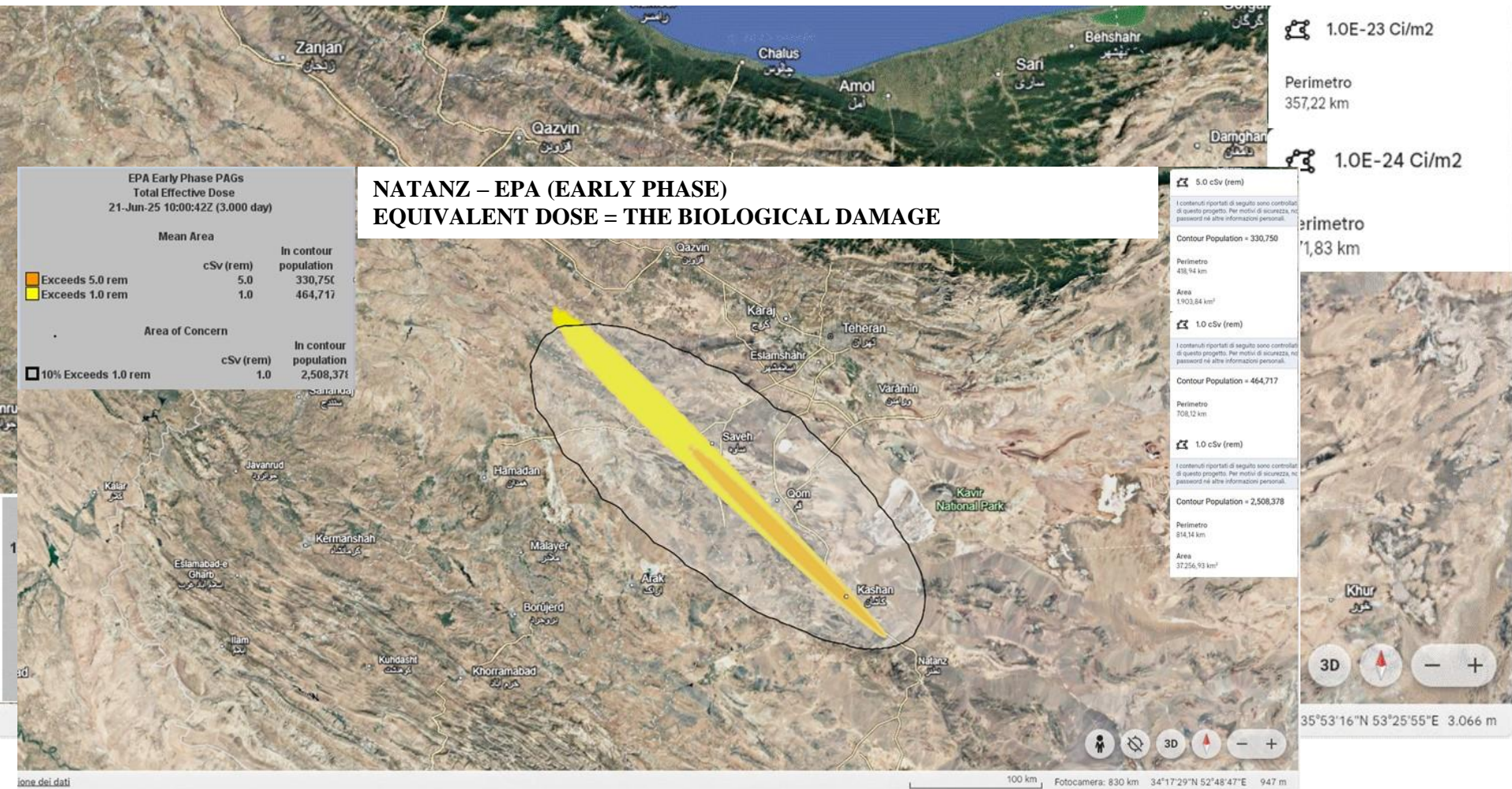
**RISK OF RADIOLOGICAL  
CONTAMINATION**



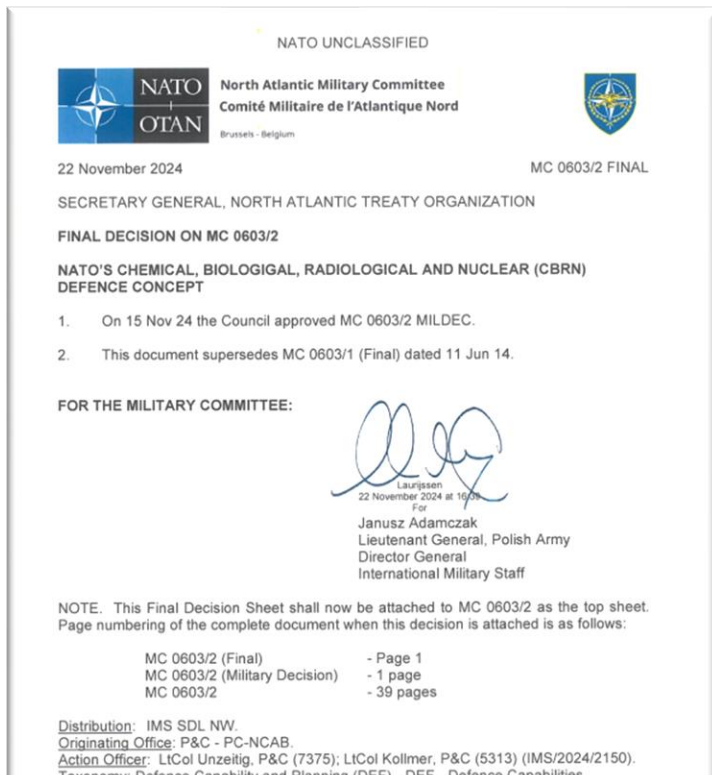
# WHAT IS A CBRN EVENT?

## IRANIAN NUCLEAR SITE

NATANZ – Ground Deposition 24hr –  $U_{235}$



## NATO's Principles and Commitments for CBRN Defence

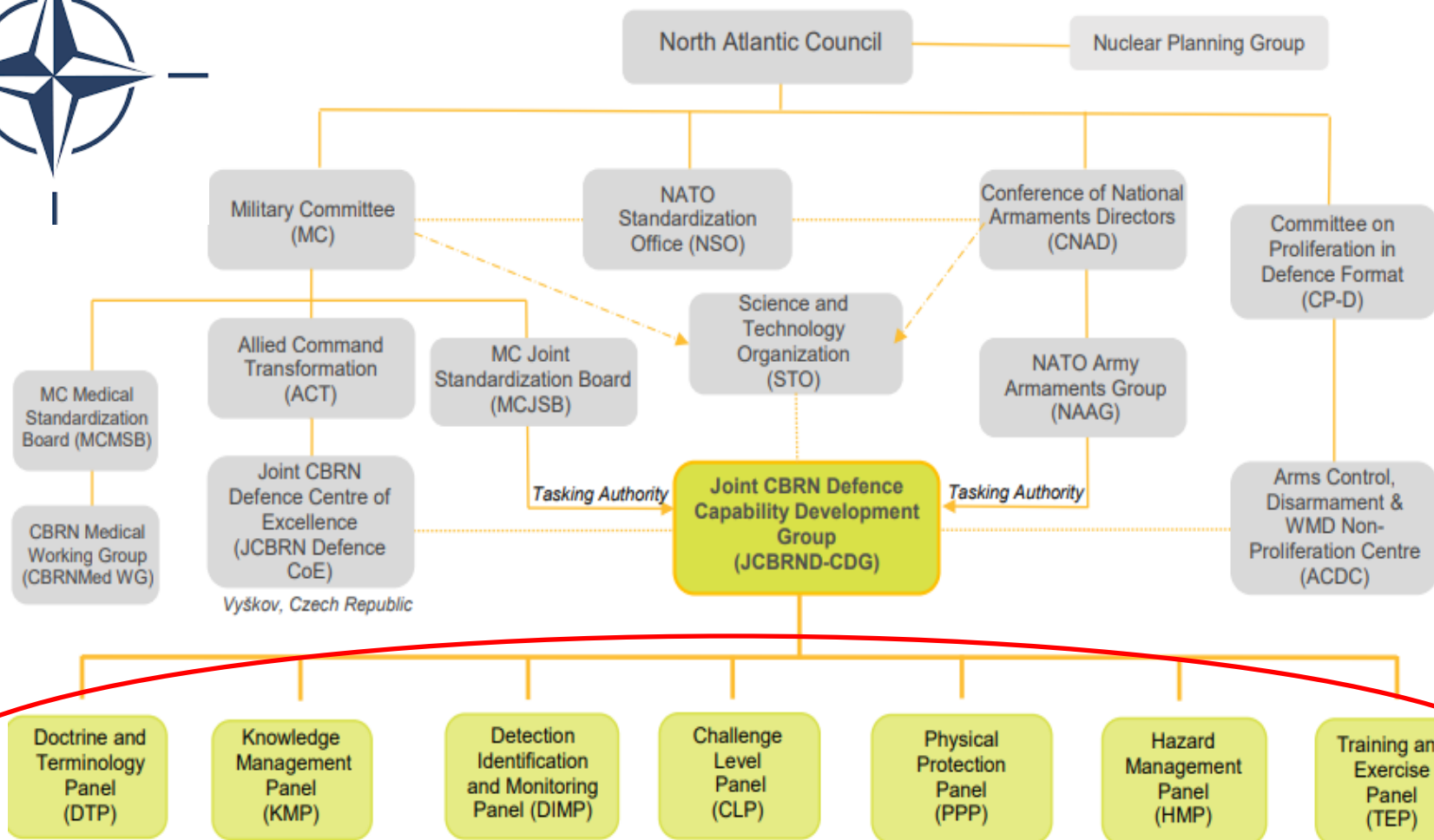


**CBRN Defence:** The plans, procedures and activities intended to contribute to the prevention of **chemical, biological, radiological and nuclear incidents (CBRN incidents)**, to protect forces, territories and populations against, and to assist in recovering from, such incidents and their effects.

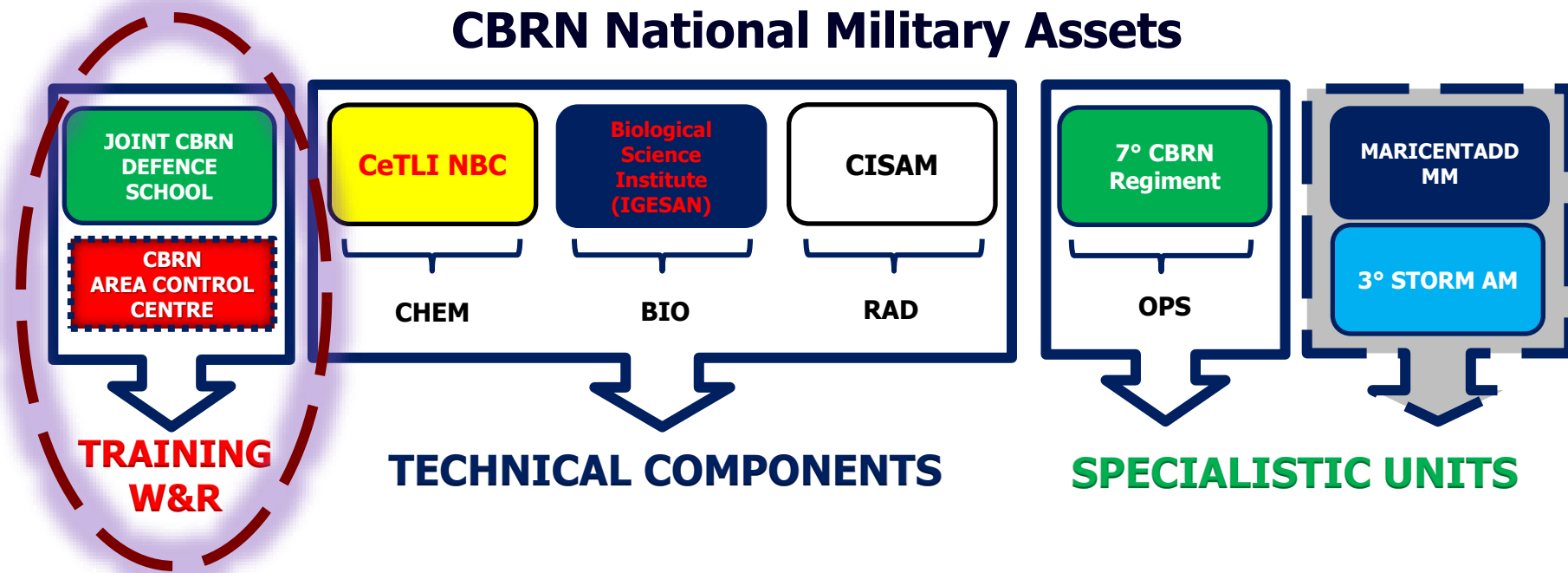




# NATO CBRN DEFENCE ORGANIZATION



## CBRN National Military Assets

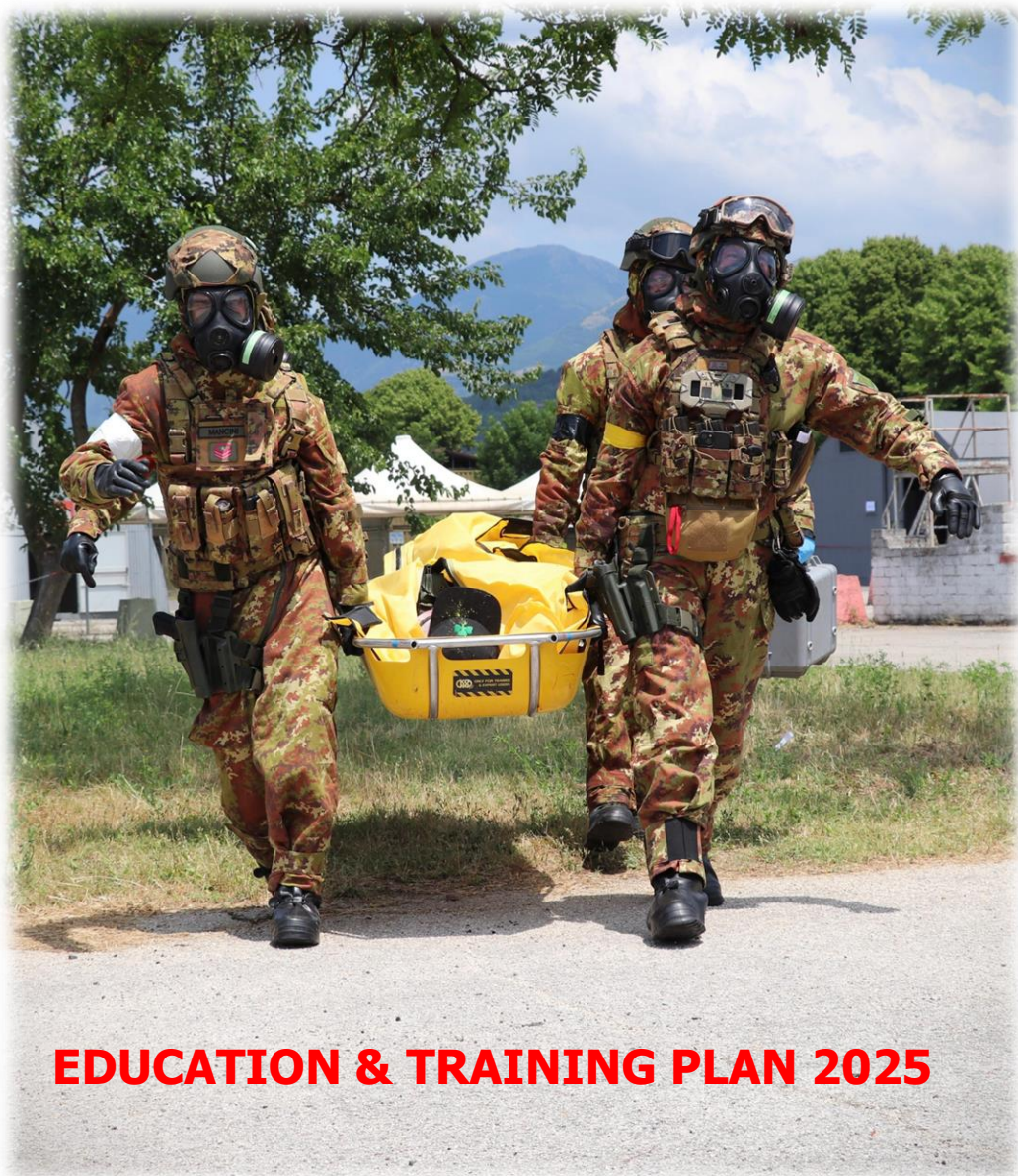


### JOINT CBRN DEFENCE SCHOOL MISSION

- Ensure CBRN education and training to all military-non military Defence Personnel and to all personnel of other ministries and Civil Agencies involved in CBRN events (basic and advanced courses).
- Develop, update and disseminate National, NATO/EU CBRN publications.

**All Armed Forces personnel must be able to survive in a CBRN environment.  
(NATO AJP 3.8)**





## EDUCATION & TRAINING PLAN 2025

SCUOLA INTERFORZE  
PER LA DIFESA  
NUCLEARE BIOLOGICA E CHIMICA



PIANO DEGLI STUDI  
ANNO 2025

### 2024

- 25 courses
- 533 students
- 35 foreigners

### 2025 (1<sup>st</sup> Semester)

- 14 courses
- 474 students
- 8 foreigners

Our training courses aim to develop and strengthen the CBRN defence ops capabilities...

... in terms of «**knowledge**»...



...and **practical know-how**»





# ITA JCBRND SCHOOL – E&T COURSES



OPERATIONAL QUALIFICATION  
COURSES

OPERATIONAL  
SPECIALIZATION COURSES



INFORMATIVE/ ENABLING  
COURSES

UPDATE COURSES





# ITA CBRN DEF. SCHOOL - EXEs



## MULTINATIONAL JOINT EXERCISE

***EXE PRECISE RESPONSE, Suffield (Canada)2024***





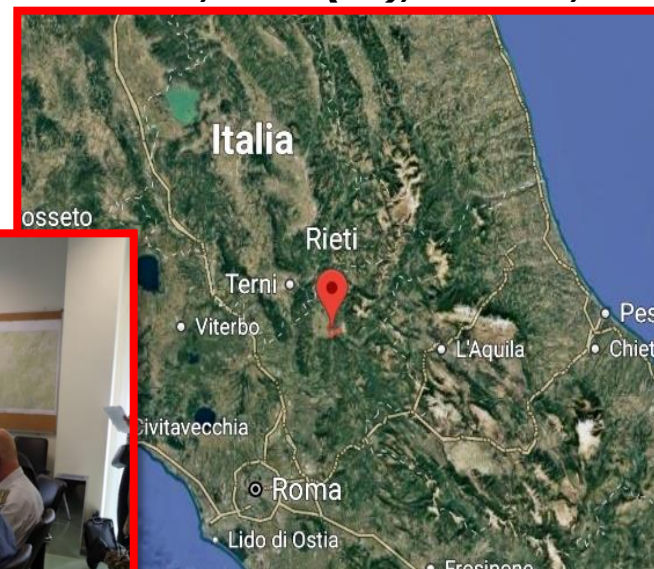


# ITA JCBRN DEF. SCHOOL - EXEs



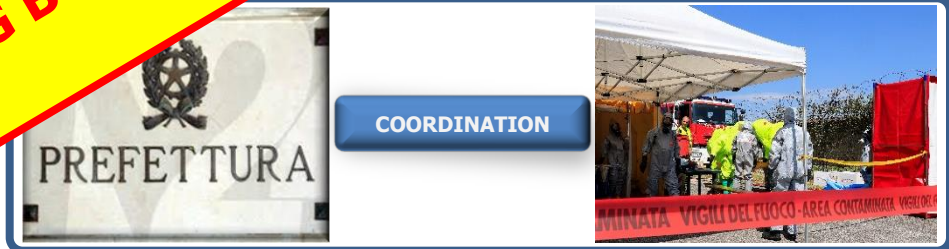
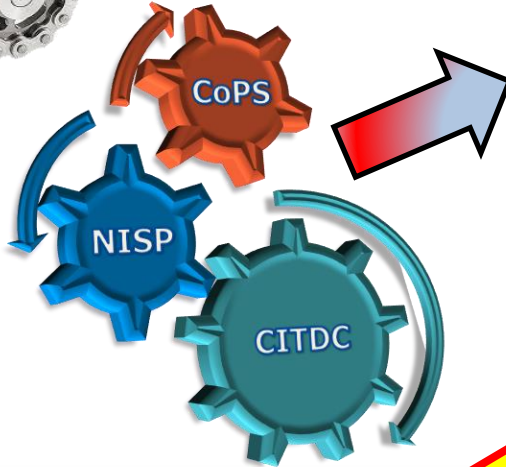
## CBRN NATIONAL COMBINED TRAINING EXERCISE

*EXE SABINA 2025, Rieti (RI), June 18, 2025*



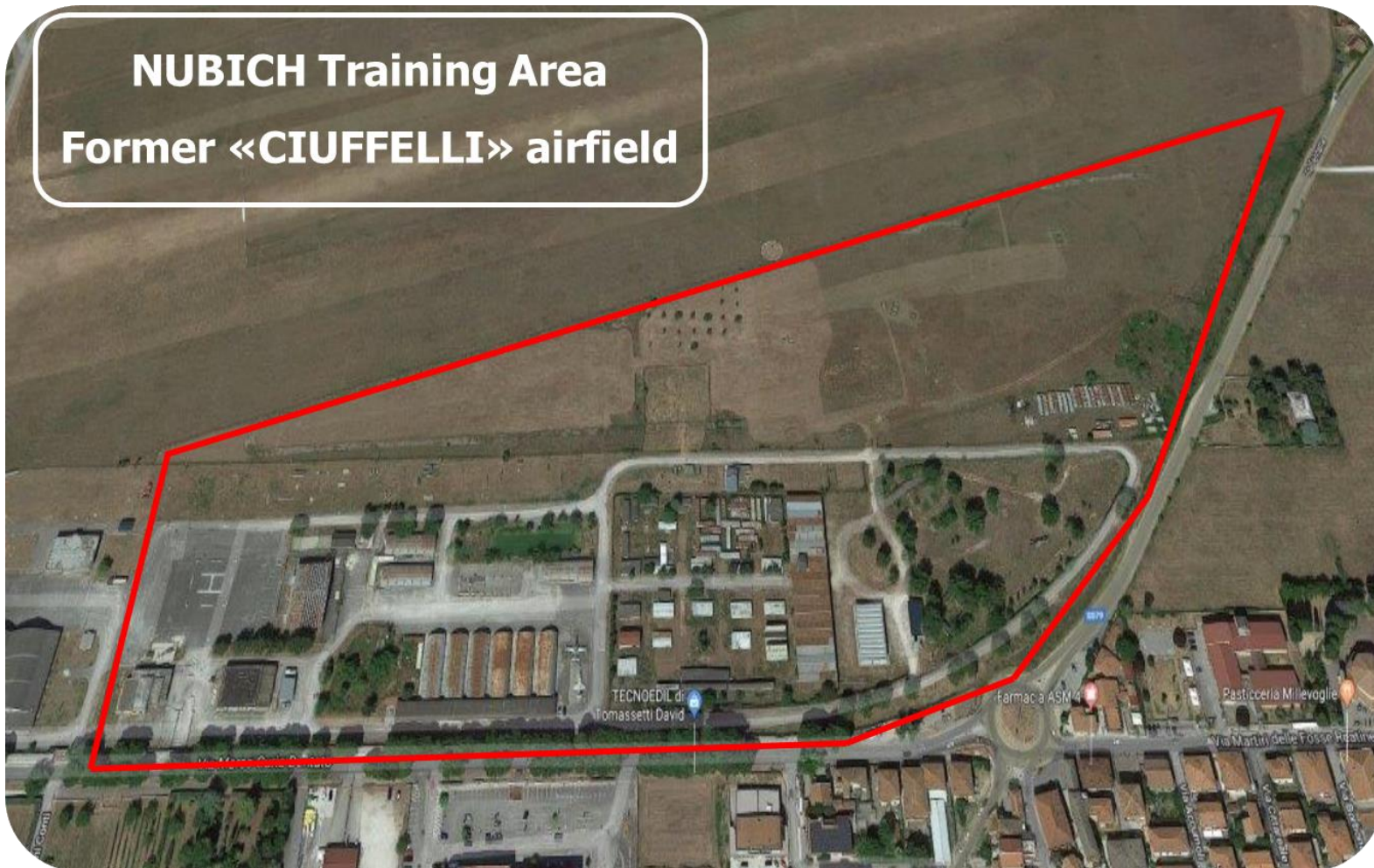


C2



**EDUCATION AND TRAINING BY ITA-JCBRN-DEFENCE-SCHOOL**

**NUBICH Training Area**  
**Former «CIUFFELLI» airfield**



- **CBRN Detection, Identification and Monitoring (DIM)**
- **CBRN sampling activities**
- **First Responders and Decision Makers training on CBRN incident management**
- **CBRN decontamination procedures**





# ITA JCBRN DEF. SCHOOL – TRAINING AREA



## NUBICH SCENARIOS



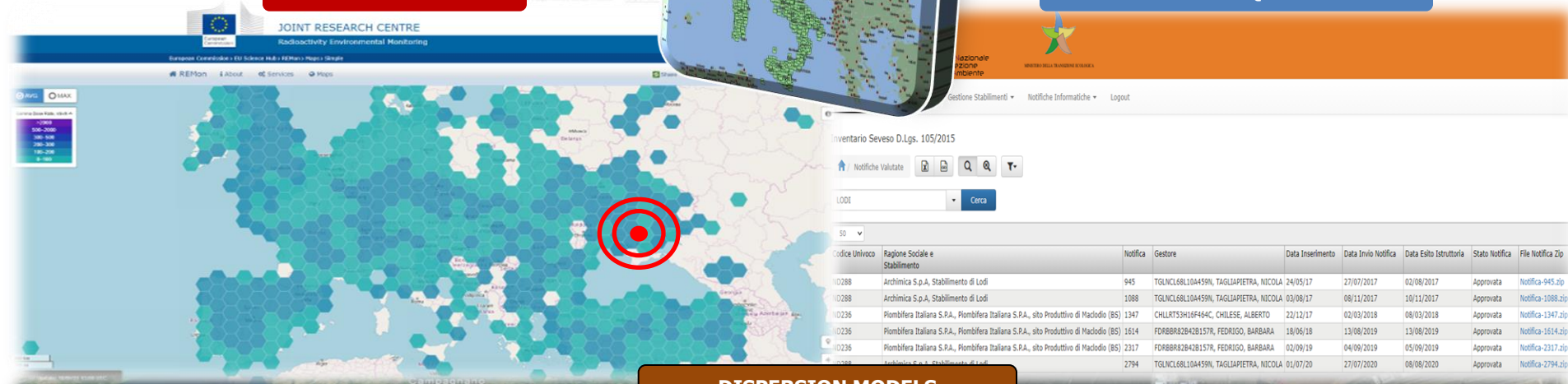


**W&R military net**  
**56 Centers**

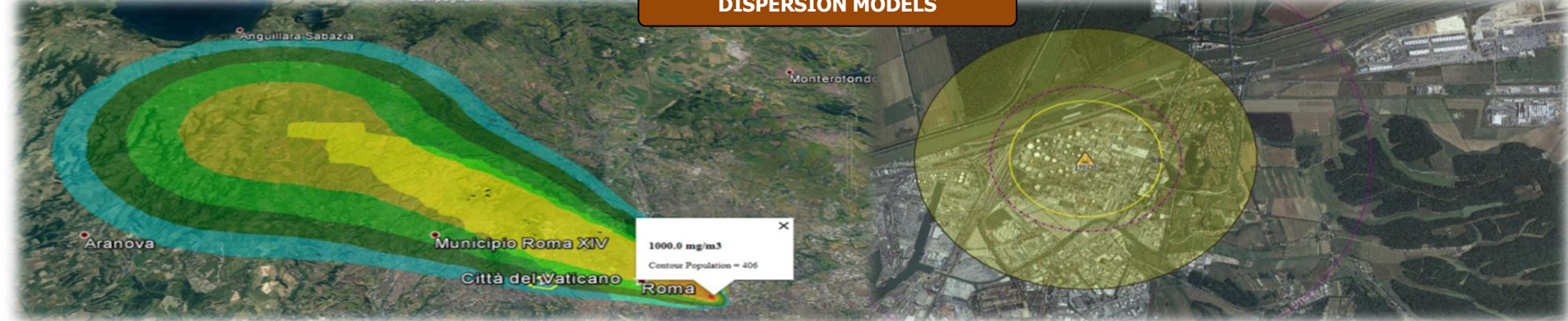
**CIVIL VVF net**  
**1550 Automatic**  
**Detectors**

**RAD MONITORING**

**ACCESS TO SEVESO QUERY DATABASE**



**DISPERSION MODELS**



# ITA JCBRN DEF. SCHOOL – INTERNATIONAL ACTIVITIES



ORGANISATION FOR THE  
PROHIBITION OF CHEMICAL WEAPONS



*Ministero degli Affari Esteri  
e della Cooperazione Internazionale*

**OPCW INSPECTORS TRAINING ON ASSISTANCE AND PROTECTION**



**INTERPOL**



Organizzazione  
Mondiale della  
Sanità



United Nations Office for  
Disarmament Affairs

**REFERENCED CENTRE FOR SPECIFIC NEEDS**

## RESEARCH AND DEVELOPMENT WITH UNIVERSITIES AND RESEARCH INSTITUTIONS



**CBRN  
INTEGRATED  
RESPONSE**



Scuola Superiore  
Sant'Anna  
in Studi Universitari e di Perfezionamento



**VIGILI DEL FUOCO**  
Corpo Nazionale



**MASTER CBRNe**

Chemical, Biological, Radiological, Nuclear and explosive  
Department of Industrial Engineering and School of Medicine and Surgery







**Virtual  
Reality**



**Enhanced  
Reality**

**Research  
Projects**





# QUESTIONS?



**«Education is the movement from darkness to light»**

*Allan Bloom*