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Preparing & Responding to Cyber Incident Crisis in Healthcare: Design and Development of technical training capabilities implementing theoretical & practical methods

Nasir-Baba Ahmed, Gilles Dusserre

► To cite this version:

Nasir-Baba Ahmed, Gilles Dusserre. Preparing & Responding to Cyber Incident Crisis in Healthcare: Design and Development of technical training capabilities implementing theoretical & practical methods. Colloque IMT 2023: “ Sécurité et Résilience ”, Apr 2023, Palaiseau, France. 2023, 10.5281/zenodo.7937270 . hal-04097891

HAL Id: hal-04097891

<https://imt-mines-ales.hal.science/hal-04097891>

Submitted on 15 May 2023

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Design and Development of technical training capabilities implementing theoretical & practical methods

Authors

Nasir Baba AHMED
Gilles DUSSERRE

Partners



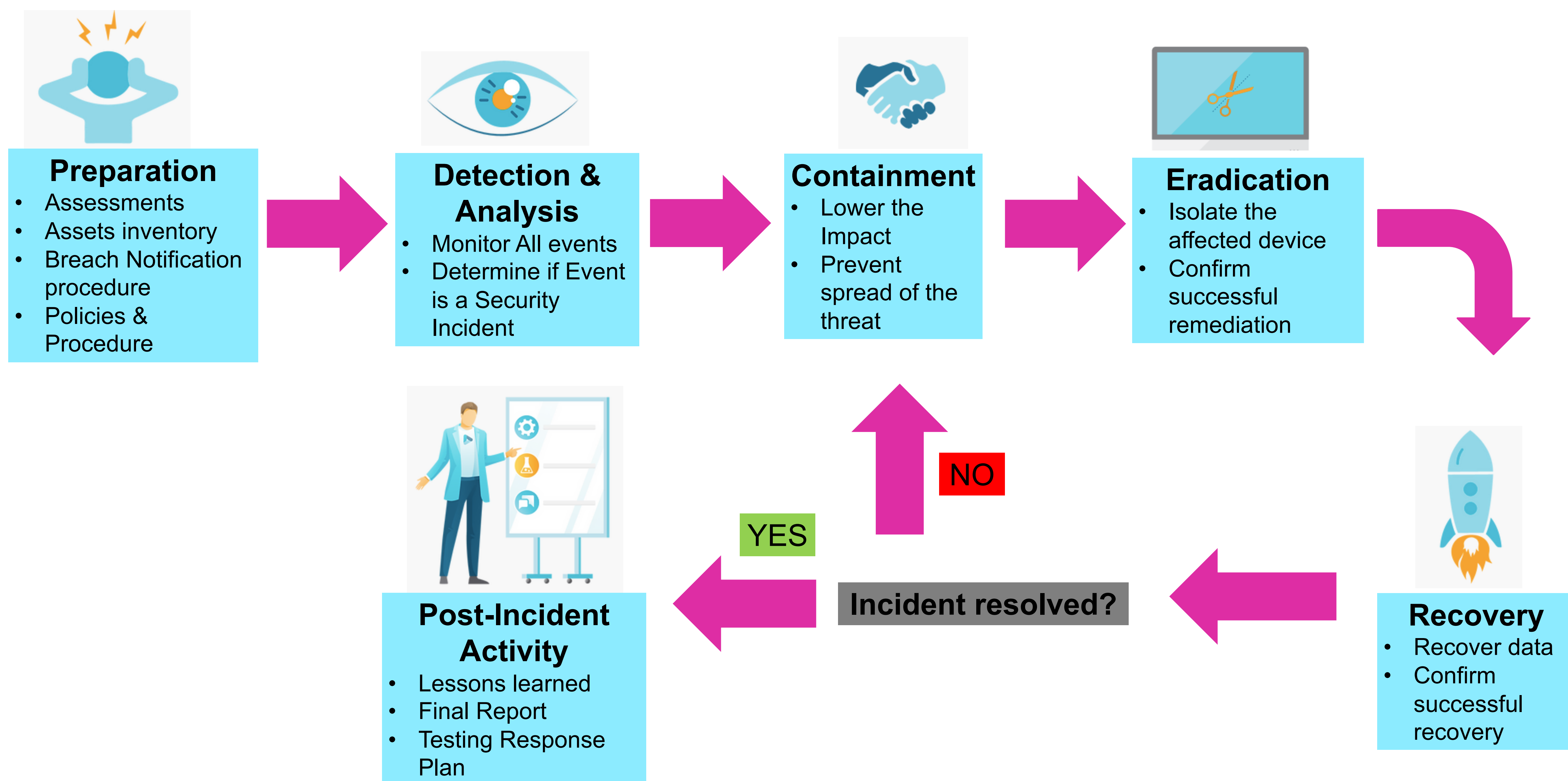
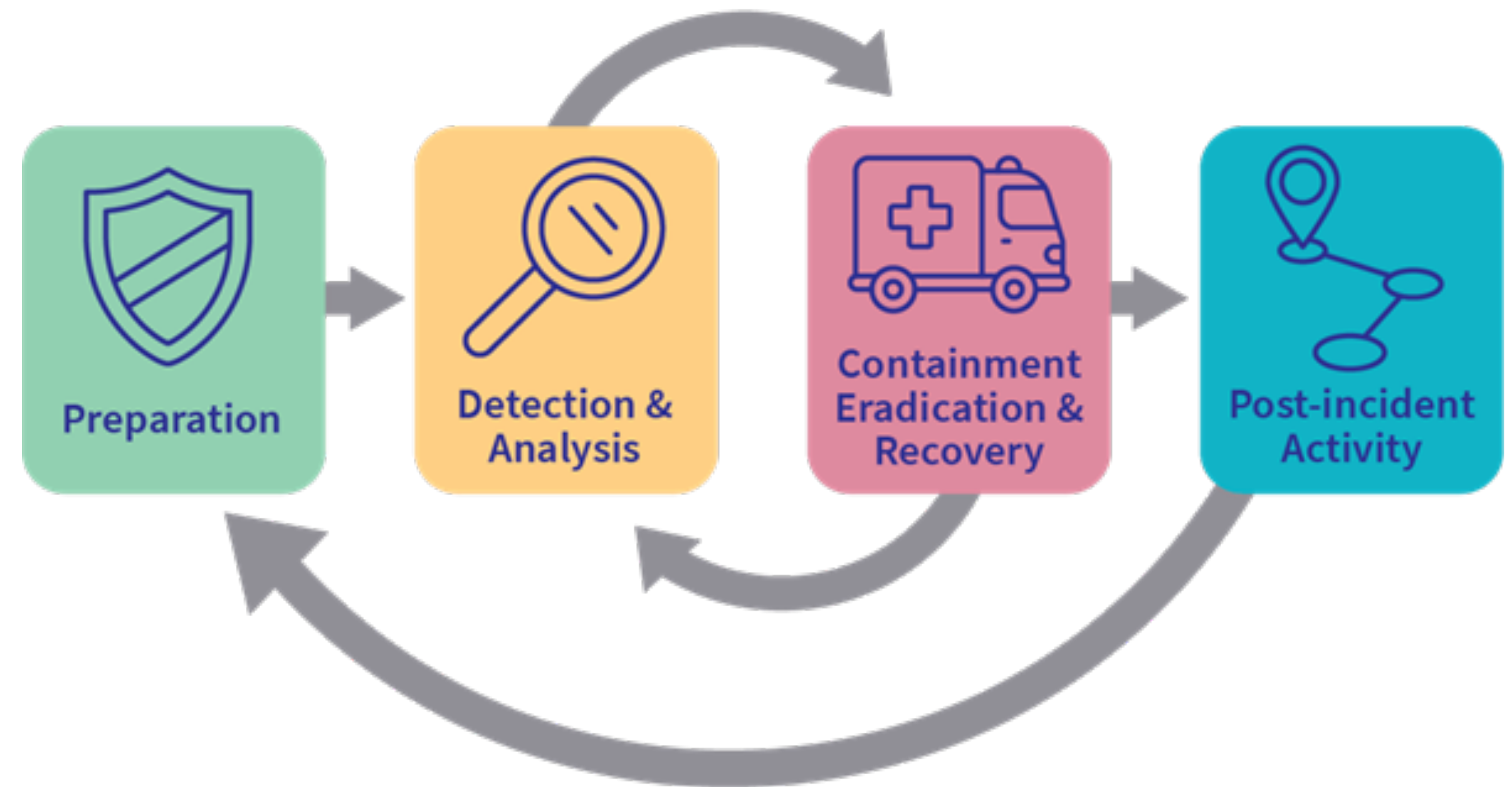
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CONTEXT & GAP:

- ▶ **Rise in Cyber Incidents:** Cyberattacks targeting hospitals in France particularly have been rising with 380 cases reported last year, 66% of healthcare organizations surveyed were attacked in 2021, up from 34% in 2020. This is a 94% increase over the course of a year (*Sophos, 2022*)
- ▶ **Shortage in Cybersecurity Experts:** The global cybersecurity workforce show a need for more than 3.4 million cyber security professionals, an increase of over 26% from 2021's numbers (*ISC2, 2021*)



RESEARCH OBJECTIVES:

- ▶ **Evaluation** of the **Cyber Incident Response** in healthcare cyber infrastructure, and its organizational operations.
- ▶ **Deliver and improve the Cyber Incident Response methods** (standardised) to assist healthcare and other organisational responding effectively to any cyber crisis situation.

RESEARCH OUTCOMES:

- ▶ Prepare Quality, and world class level Incident response materials
- ▶ **Training** for the next generation of cyber experts in incident response
- ▶ **Structured Approach** to usage of Theoretical use cases & Practical - (including: Setup & usage of technical tools/techniques)
- ▶ Recommendations for **Annual review and improvement of Process**
- ▶ Recommendations for **Extra Guidelines/materials for extra research**
- ▶ **Delivery** in a highly interactive method to encourage engagements

