



CYBER GOVERNANCE & CYBER THREAT INTELLIGENCE

Strumenti imprescindibili di prevenzione e contrasto

BORIS GIANNETTO



CERTBI - Banca d'Italia

SECURITY SUMMIT – Roma – 5 giugno 2019



CYBER GOVERNANCE

Layer tecnico, economico e giuridico



CYBER & GOVERNANCE



NASA



Wikipedia



CYBER GOVERNANCE: LAYER TECNICO

W3C®



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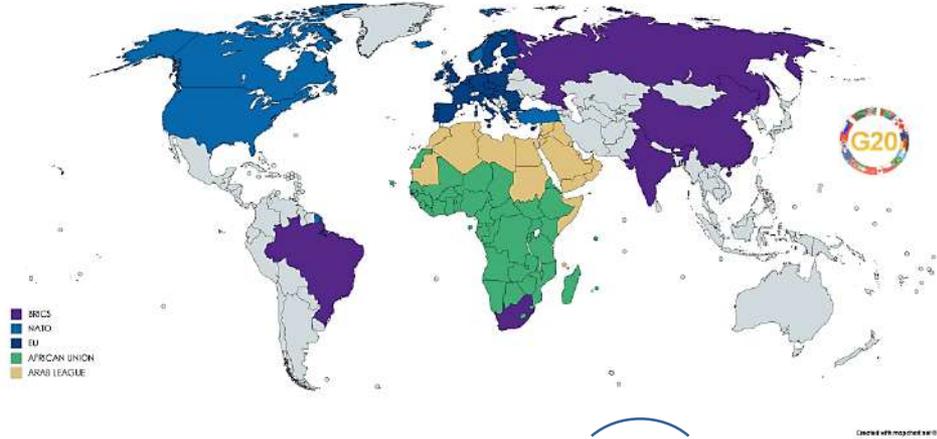
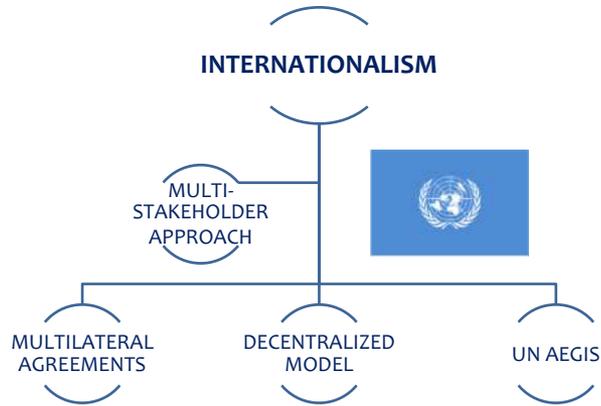
NIST



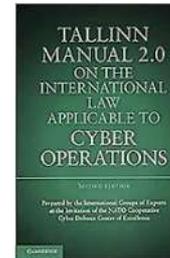
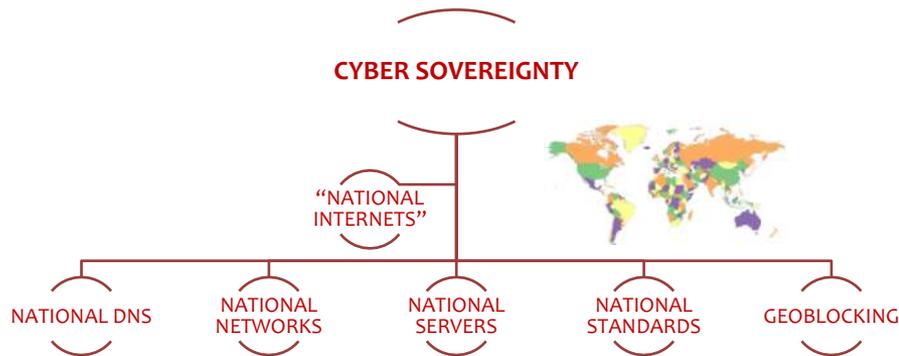
CYBER GOVERNANCE: LAYER ECONOMICO



CYBER GOVERNANCE: LAYER GIURIDICO



REGIONALISM



CAMBRIDGE UNIVERSITY PRESS

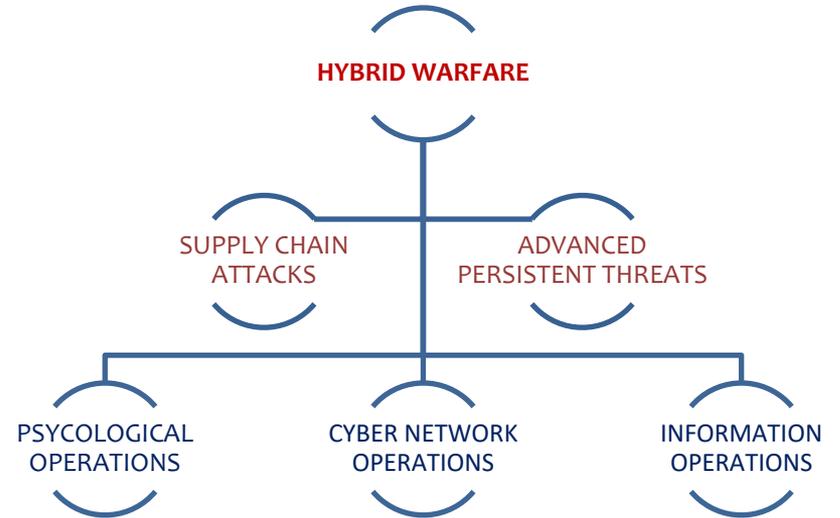
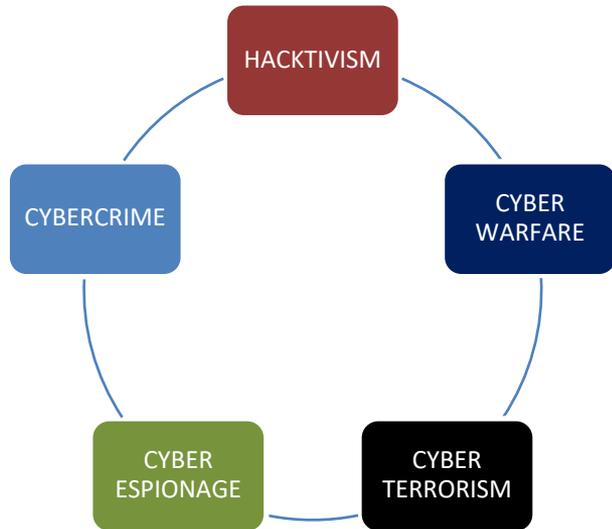


SETTORE FINANZIARIO

Contesto e principali minacce cyber



MINACCE CYBER



TARGETED & META-POLYMORPHIC ATTACKS

NEXT: QUANTUM CYBER-ATTACKS



SISTEMA FINANZIARIO E MINACCIA IBRIDA

14  RA 2018

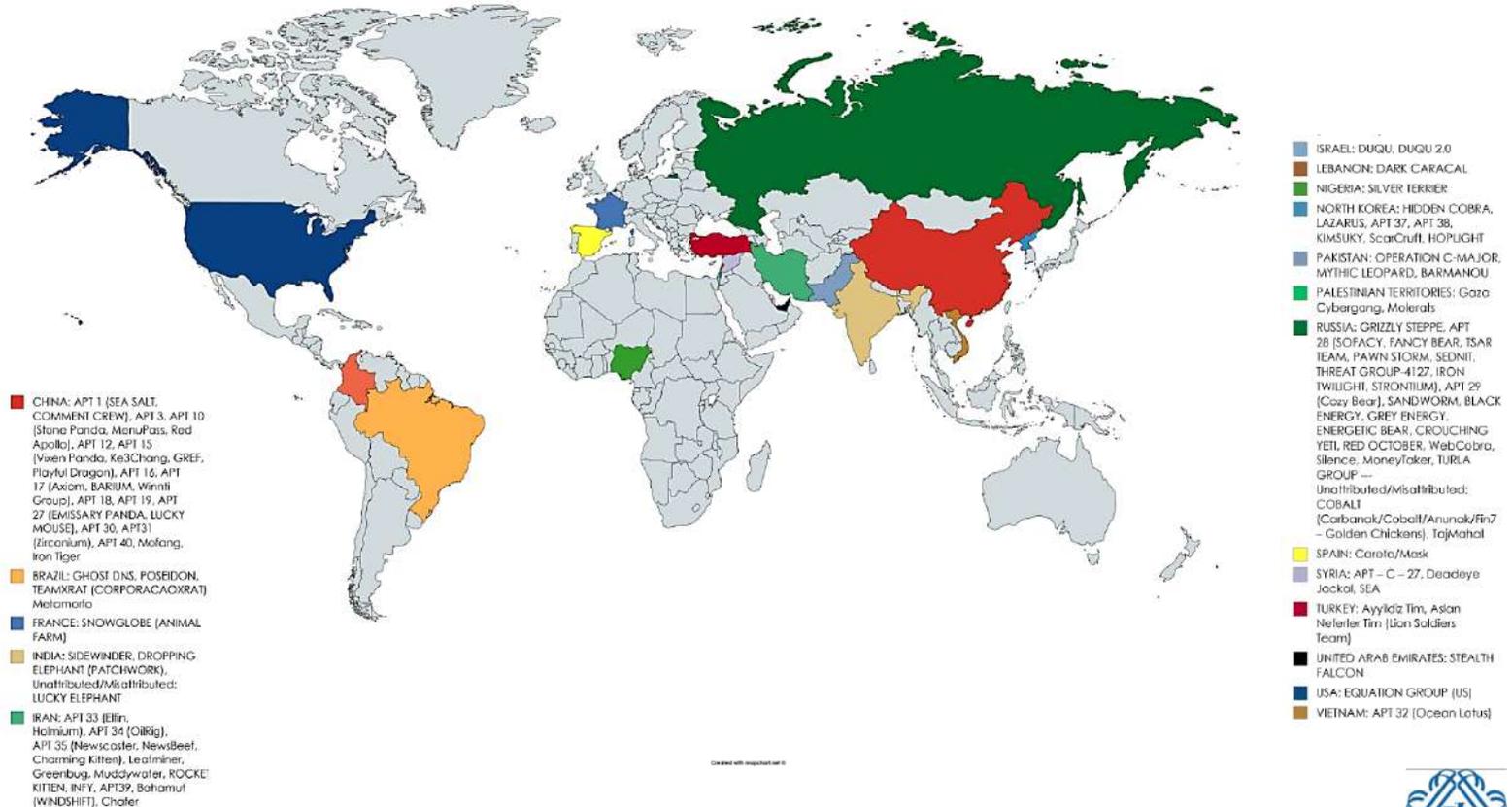
RELAZIONE SULLA POLITICA
DELL'INFORMAZIONE PER LA
SICUREZZA 2018 – PRESIDENZA DEL
CONSIGLIO DEI MINISTRI – SISTEMA
DI INFORMAZIONE PER LA SICUREZZA
DELLA REPUBBLICA

"Quello **economico-finanziario** è del resto uno dei «fianchi» fisiologicamente esposti ad eventuali azioni volte a intaccare il peso strategico del nostro Paese, in un contesto dove sono nettamente cresciute le preoccupazioni per la **minaccia ibrida**, vale a dire l'uso, sinergico e combinato, di strumenti convenzionali e non – comprese le manovre di ingerenza ed influenza – volto a condizionare processi decisionali, corretta informazione delle pubbliche opinioni dei Paesi target e, in ultima istanza, a comprimere la sovranità dell'avversario".

REGOLAMENTAZIONE CYBER



APT TRENDS



«Sviluppo di un sistema di cyber threat intelligence» - Rapporto Clusit 2019



CENTRAL BANK OF BANGLADESH CYBER HEIST

FINANCIAL TIMES

+ Add to myFT

Bangladesh

How cyber criminals targeted almost \$1bn in Bangladesh Bank heist

Theft sends tremors around the world among banks and large corporations that keep big

Forbes



PATRIMONIO, COMPITI, REPUTAZIONE





CYBER THREAT INTELLIGENCE

Tassonomia, maturity model & sistema di CTI

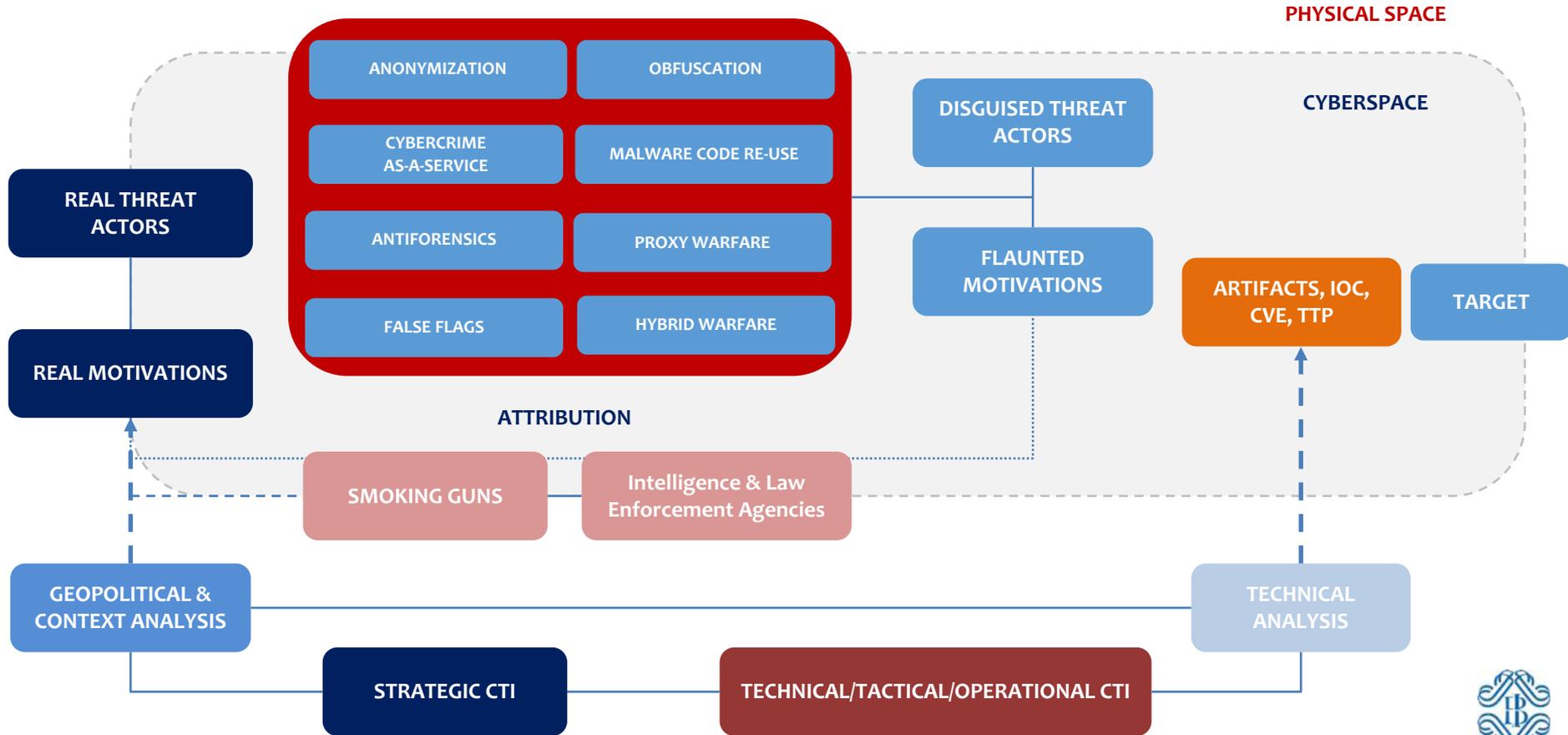


CTI TAXONOMY MATRIX

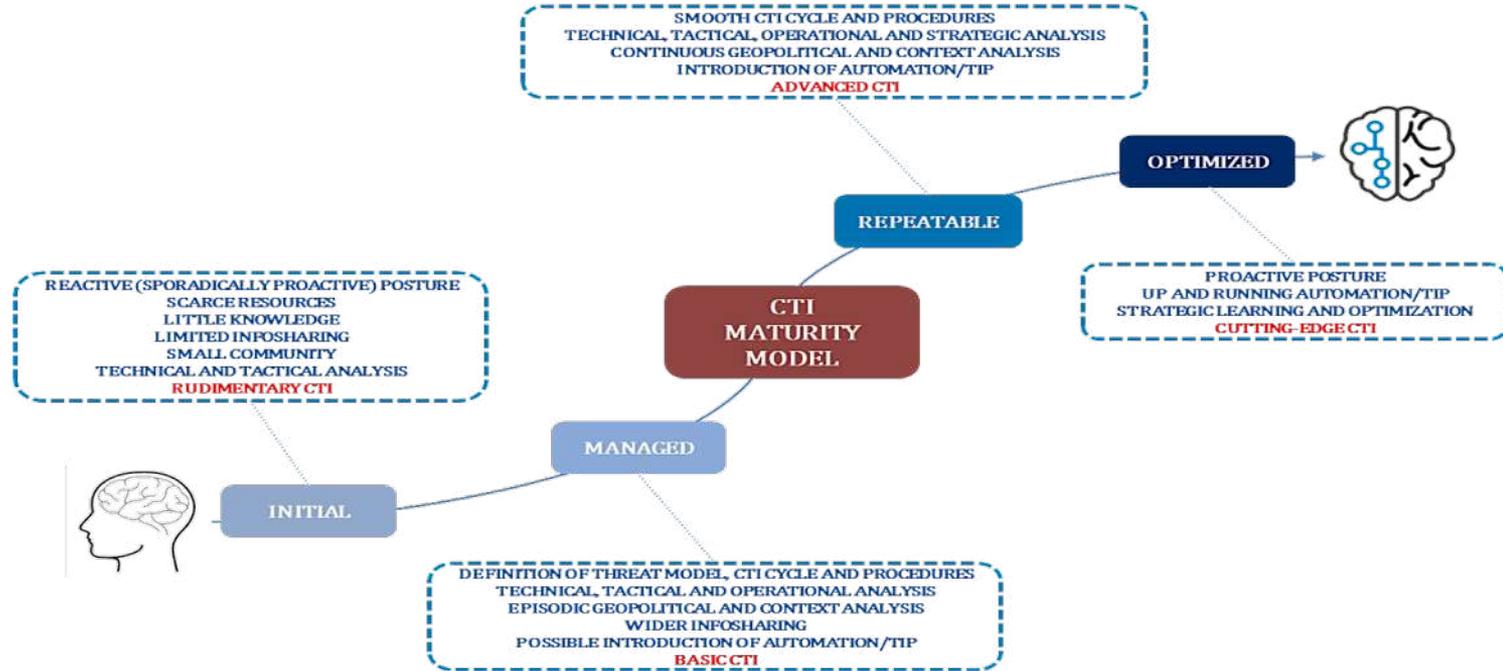
LEVEL	TYPE OF ANALYSIS	WHAT	CTI USERS	TIME SPAN
STRATEGIC	GEOPOLITICAL & CONTEXT ANALYSIS	ATTRIBUTIONS, MOTIVATIONS, POSTURE	TOP MANAGEMENT	MONTHS/YEARS
OPERATIONAL	TECHNICAL & CONTEXT ANALYSIS	TTPs	MIDDLE MANAGEMENT	WEEKS/MONTHS
TECHNICAL/TACTICAL	TECHNICAL ANALYSIS	ARTIFACTS, IOCs, CVEs	SOC AND TECHNICAL UNITS	MINUTES/HOURS



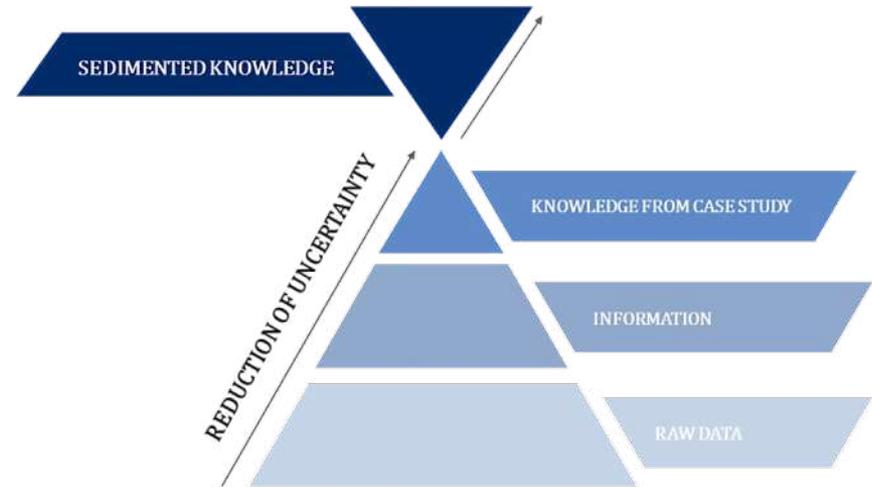
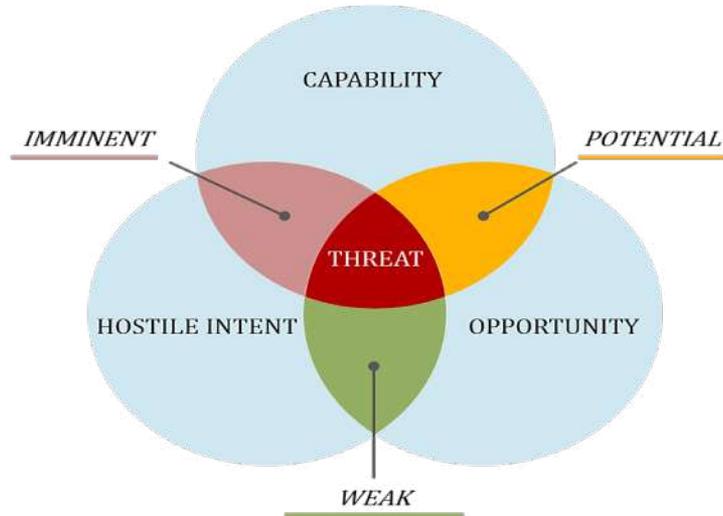
AMBITI DI AZIONE



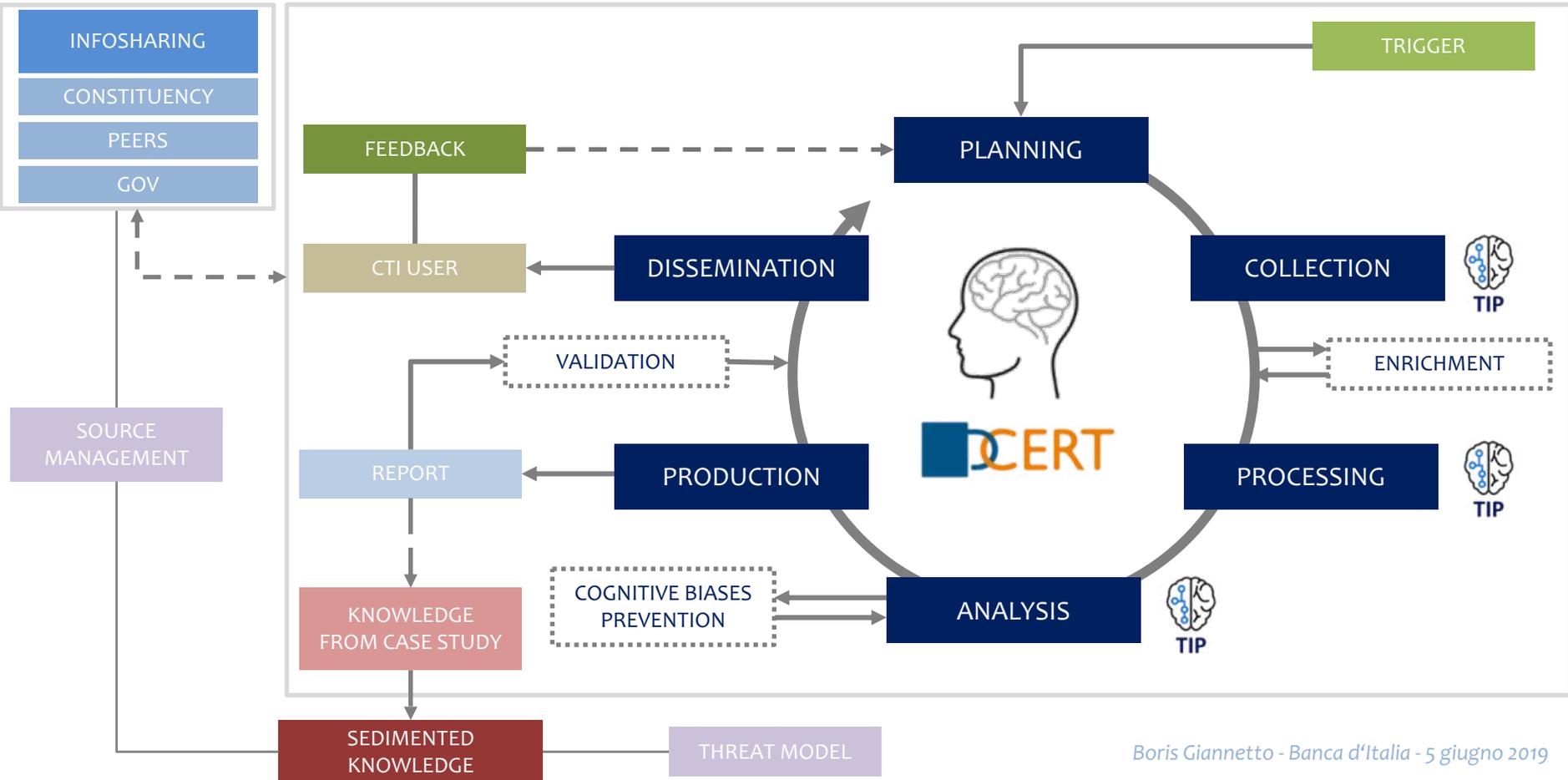
CTI MATURITY MODEL



SISTEMA DI CTI: PRELIMINARI



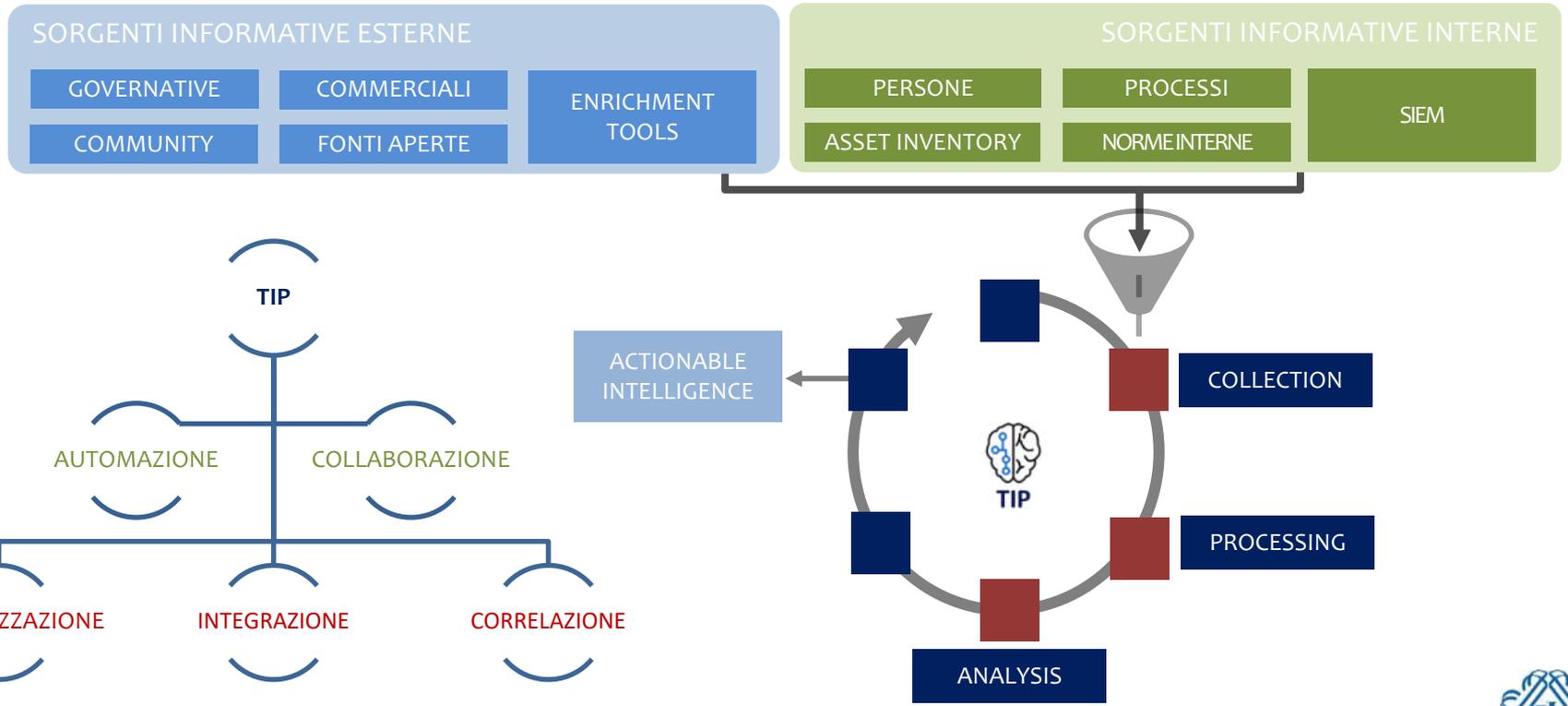
SISTEMA DI CTI



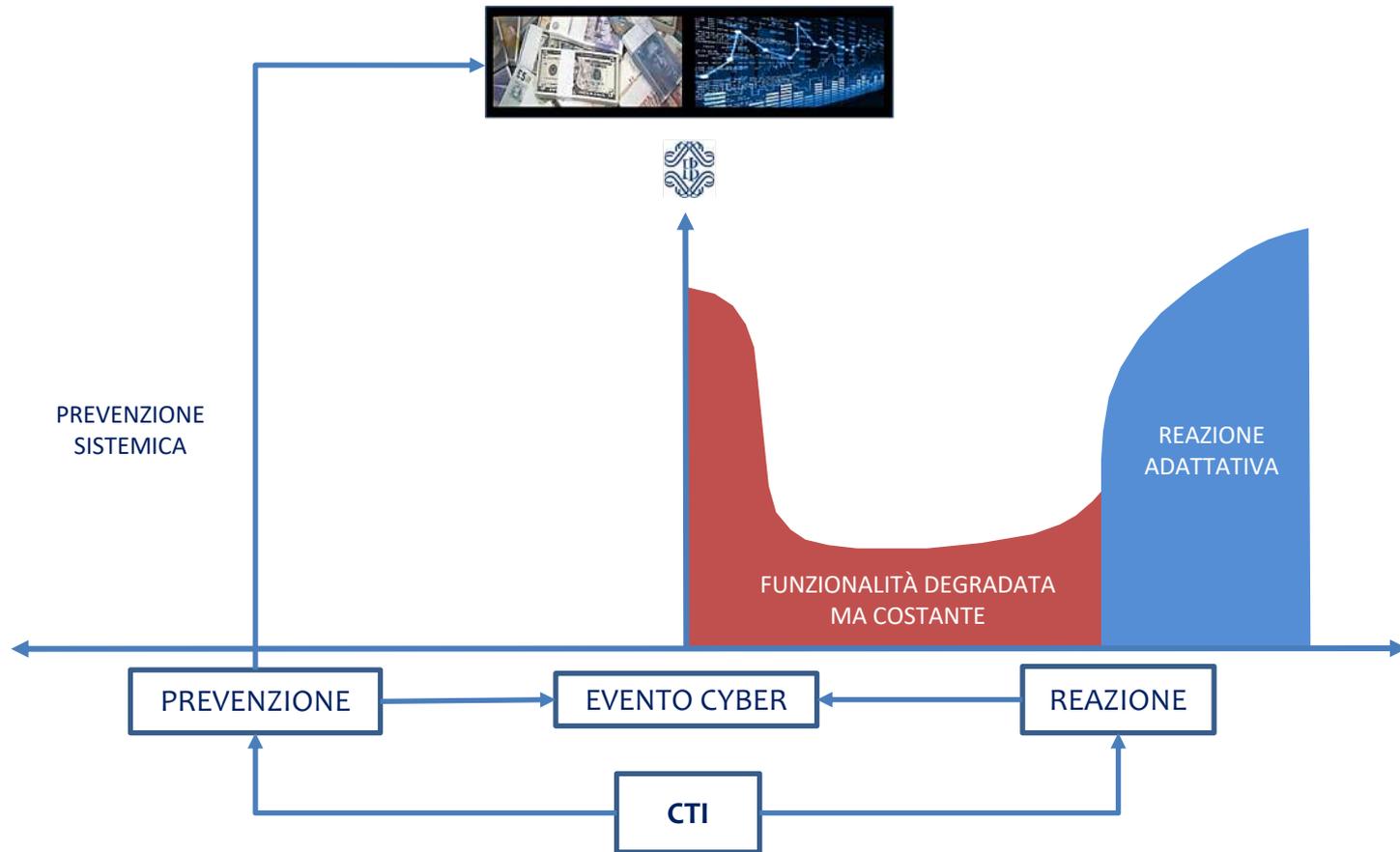
CTI INFOSHARING



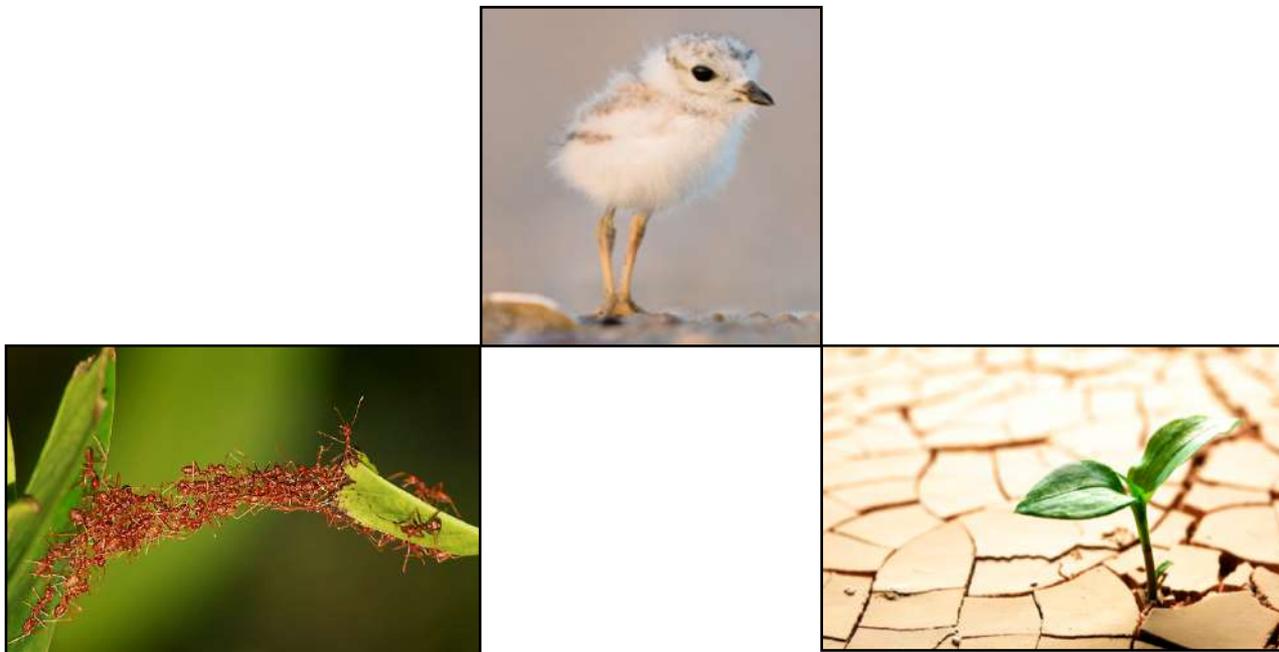
THREAT INTELLIGENCE PLATFORM



PREVENZIONE SISTEMICA & REAZIONE RESILIENTE



PREVENZIONE SISTEMICA & REAZIONE RESILIENTE





GRAZIE



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