



**RÉPUBLIQUE
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LEAD A SECURITY SUPERVISION PROJECT

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Preamble

- Who am I?
- What is security supervision?
 - It helps to know if IS (information systems) is under attack
 - At first, let's consider security supervision $\approx$ detection $\approx$ SOC (security operation center)
 - This definition will be clarified during the presentation
- What is NOT security supervision?
 - $\neq$ IT monitoring, that helps to know if IS works, and if it delivers expected services
 - $\neq$ IT operation monitoring, IT services monitoring, relating to IT monitoring

Summary

PREAMBLE

SECURITY SUPERVISION LANDSCAPE

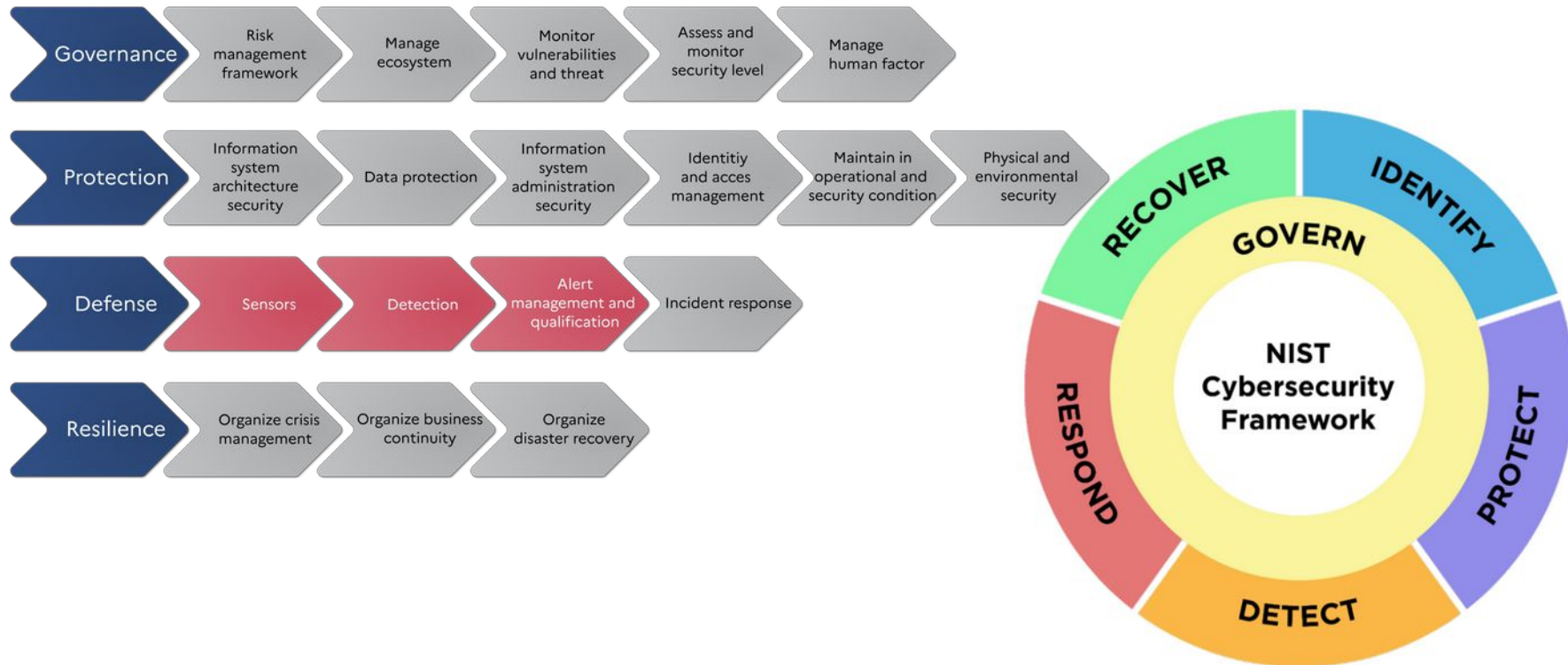
WORK ORIENTATIONS

GUIDE OVERVIEW

FOLLOW-UP



An essential function of cybersecurity...



...about which so much has been written

- Cybersecurity frameworks distinguish between:
 - Log management and analysis (NIST 800-92, CIS control 8, LPM rules 5 and 6, NIS rule 19)
 - Network detection (NIST 800-94, CIS control 13, LPM rule 7, NIS rule 18)
- Or deal with the whole incident lifecycle:
 - SIM3 (Security Incident Management Maturity Model): in terms of maturity
 - NIST 800-61r3 (Incidents Response Recommendations and...): in terms of risk management
- PDIS (prestataires de détection d'incidents de sécurité) requirements reference framework
 - cover logs, detection and analysis, but in terms of requirements
- Many articles cover technical aspects
- A strong commercial concern:
 - a wide range of offers, of concepts, and possible combinations
 - It sometimes creates gaps between needs and procurements

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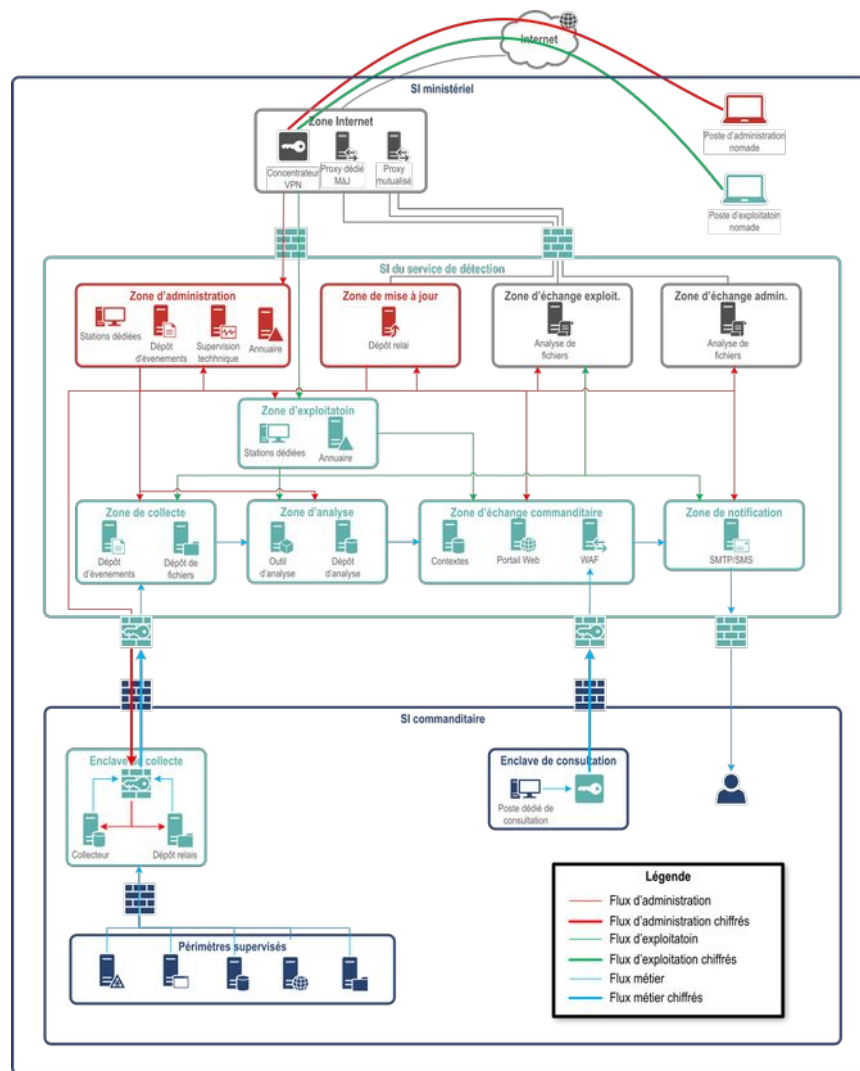
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FOLLOW-UP



High expectations from the French ecosystem

- Service providers, editors, end users request changes
 - On the one hand, the PDIS framework improves cyber maturity
 - On the other hand, it is no longer suited to its environment
- First reaction: what about simplifying the PDIS framework?



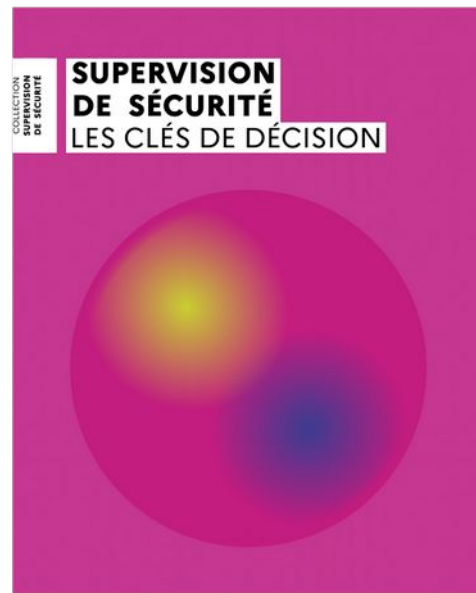
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 - On the other hand, it is no longer suited to its environment
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- A better choice: describe what security supervision should be
 - The raw material comes from 2.5 years of discussions
 - Internally: detection service, detection research laboratory, qualification advisors, architects, reviewers
 - Externally: qualified service providers, editors, end users, reviewers



High expectations from French ecosystem

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- Bonus: provide arguments to help obtain budgets



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Project management-oriented content

- Table of contents:
 - Definitions
 - Sub-objectives
 - Challenges/risks
 - Recommendations
- Possible uses:
 - Ease project leader's work in a capacity building context
 - Establish a statement of requirements for service providers
 - Assess an existing service

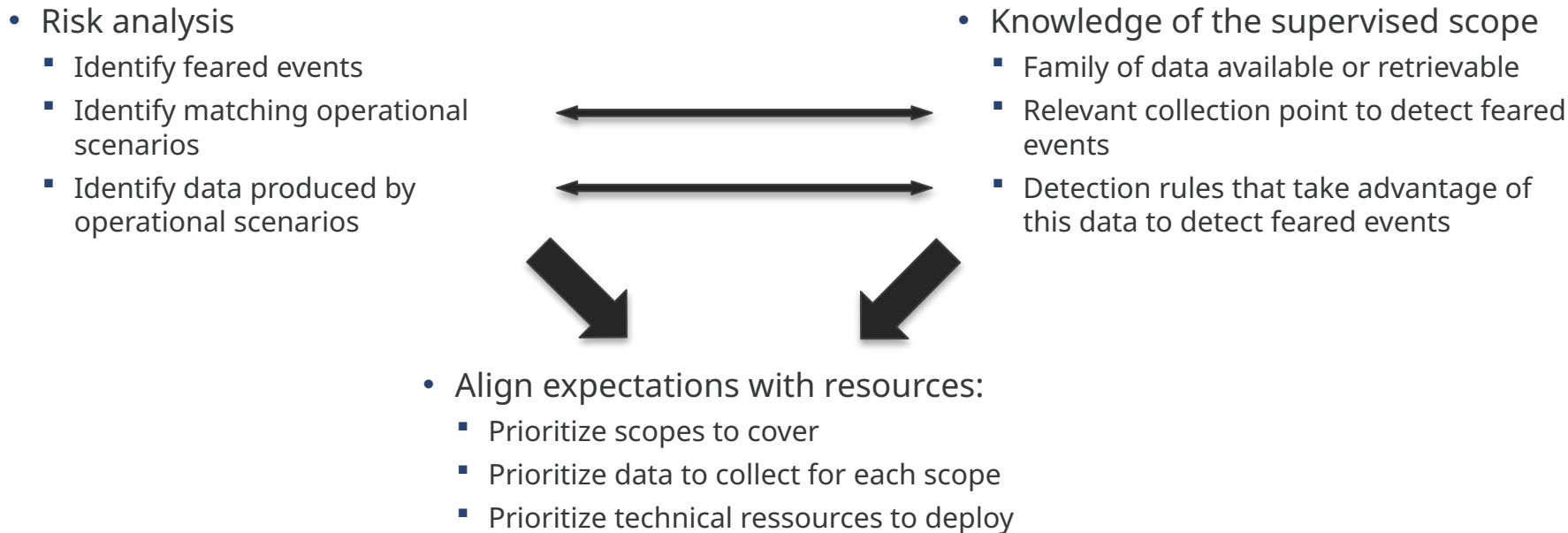


Security supervision definition

- All ressources and activities committed for,
- *as soon as possible*,
- **detect** and **qualify** a security incident on a supervised perimeter,
- and **choose the appropriate response** when the incident is confirmed.
- It involves human, organisational, technical and financial resources.

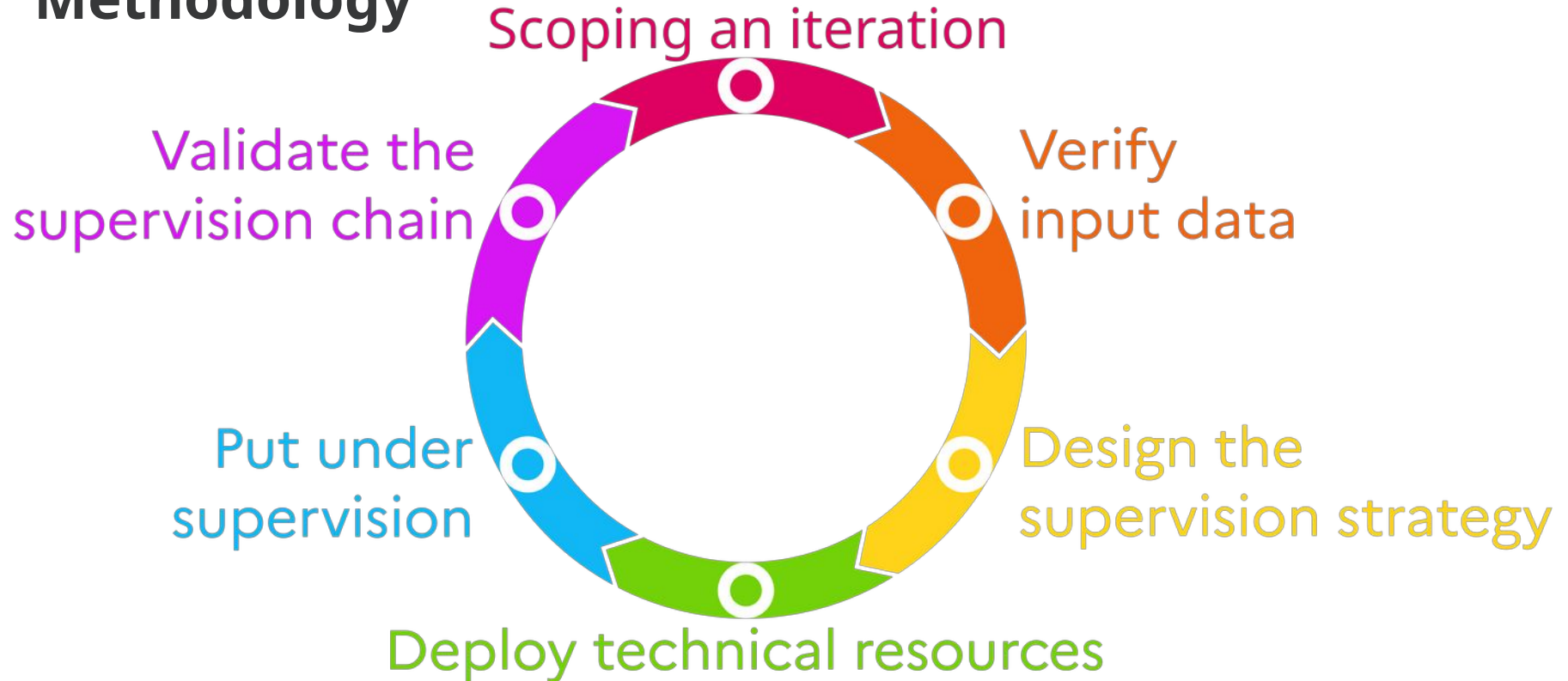


Security supervision strategy



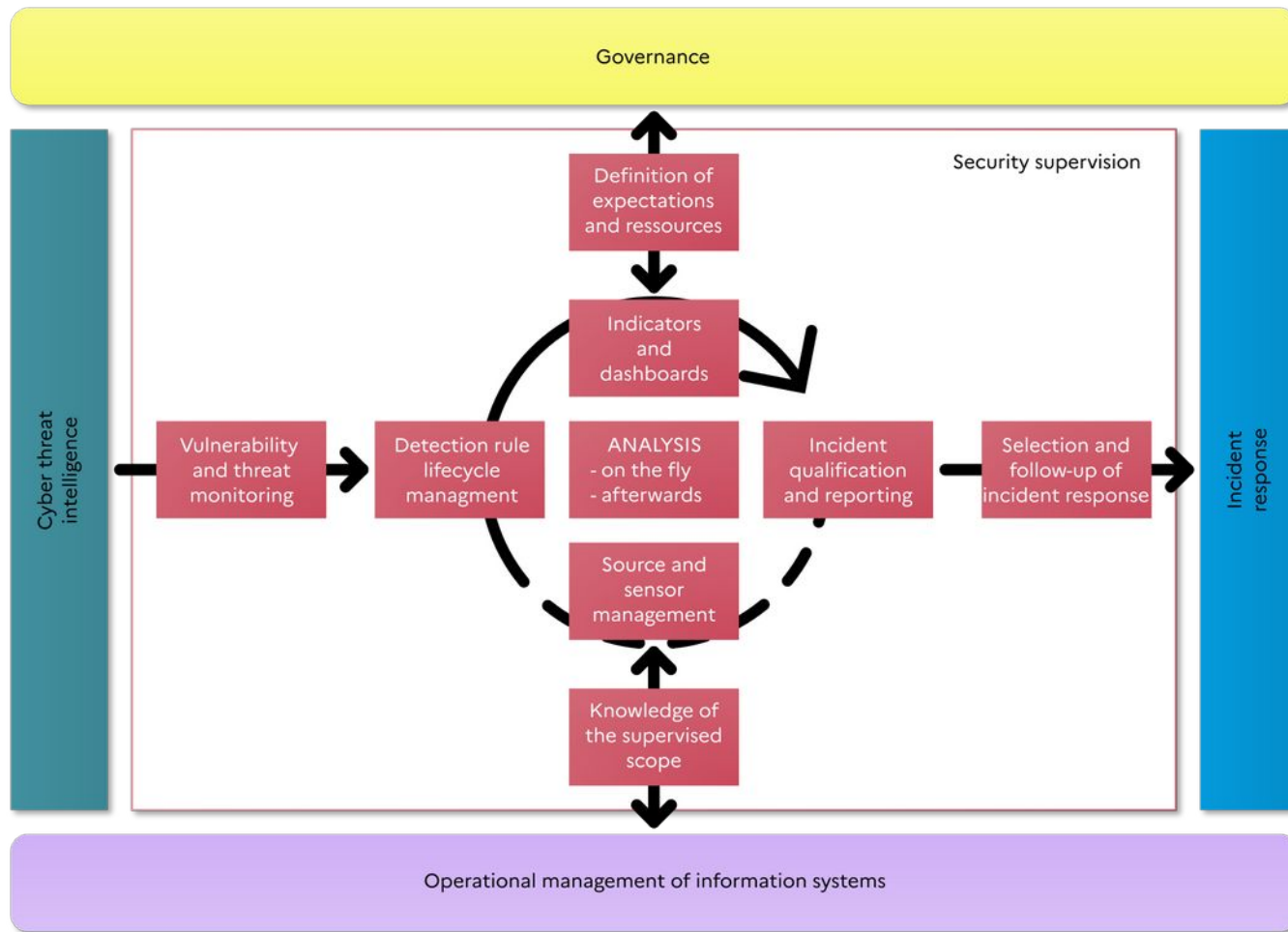


Methodology





Process





In summary

- Make security supervision and limit complex IT or governance tasks
 - As soon as possible
 - Even if it's not perfect
- Allow analysts to gain experience
 - Understanding supervised scope
 - Starting process
- After that, improve supervision
 - Iteratively
 - In a process of continuous improvement

Summary

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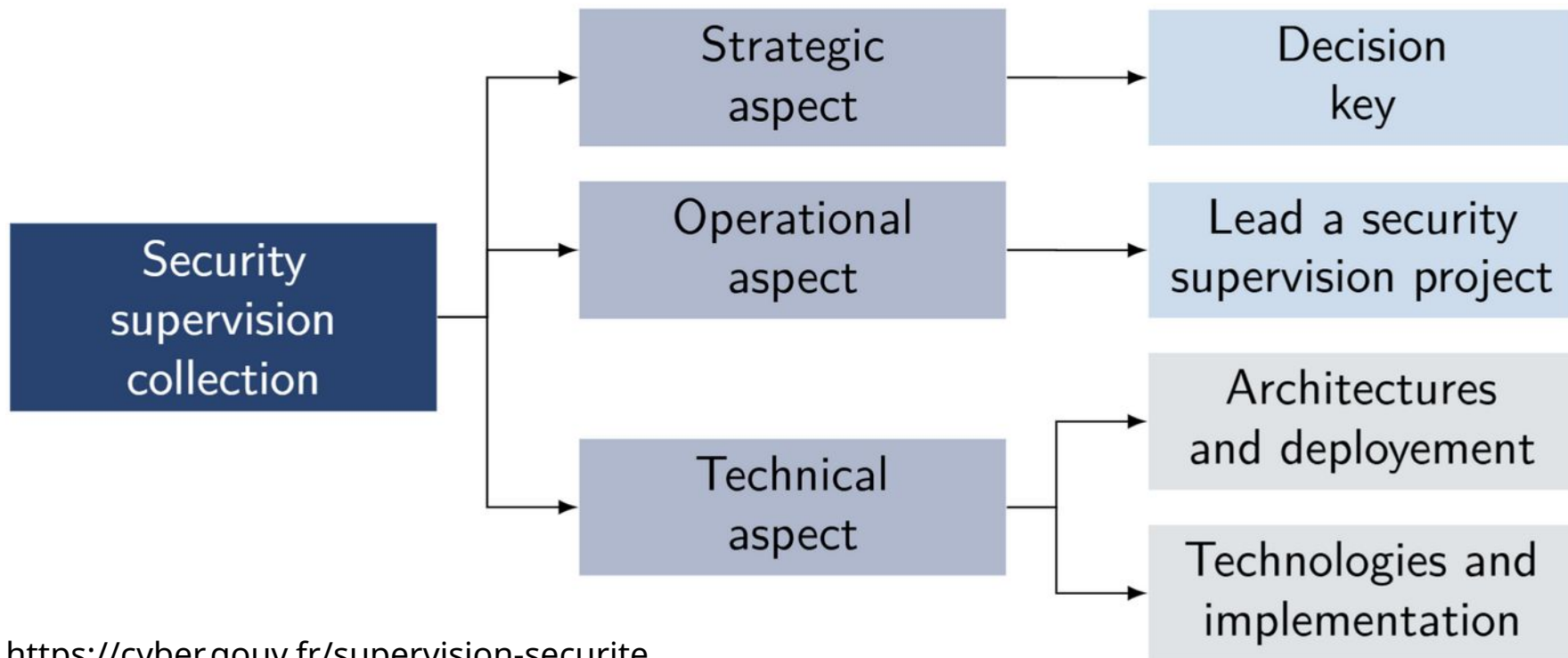
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Productions to come



<https://cyber.gouv.fr/supervision-securite>



Thank you for listening!

ANY QUESTIONS?