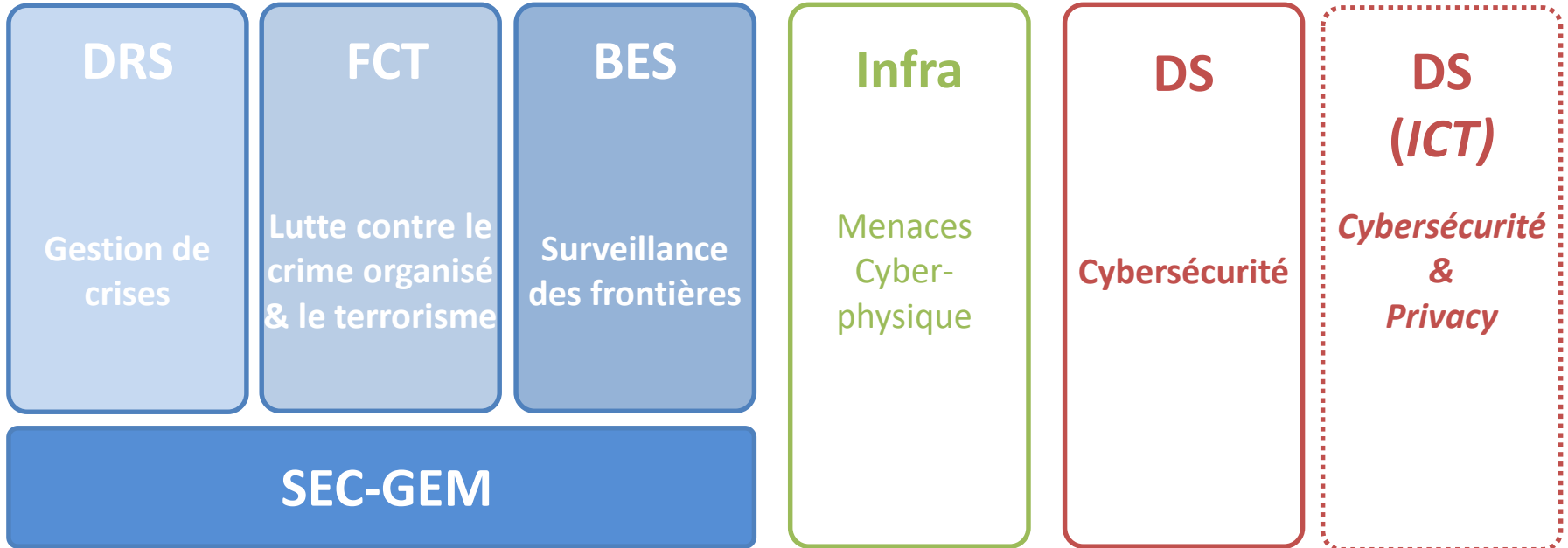


# Structure du programme de travail 2018 - 2019/20

WP Sécurité



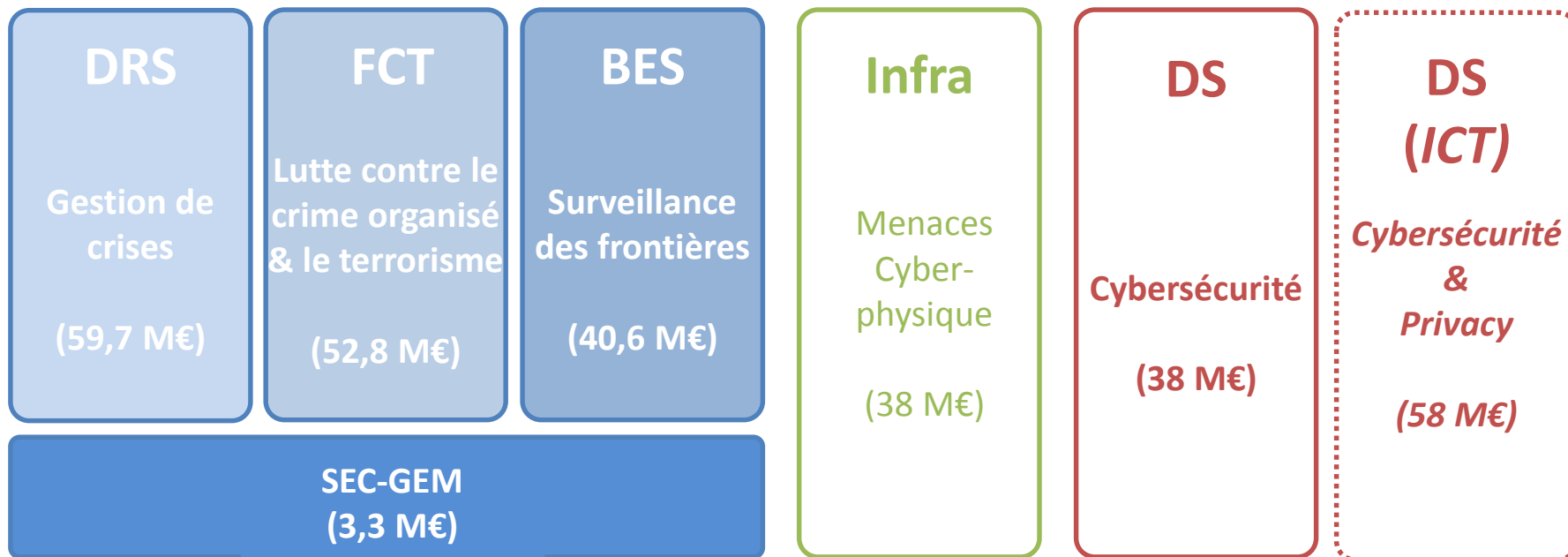
*Inputs: EM + CE*  
Gestion: CE/DG Home  
(Incl. Cybercrime)

*Inputs: cPPP Cyber*  
Gestion: CE/DG CNECT

# Budget 2019



**Attention:**  
**Modifications**  
**post MaJ**



# Les sujets cyber en 2019 (en bref)

## (1/2)



- ❑ SU-INFRA01-2018-2019-2020: *Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure in Europe*
  - ❑ SU-INFRA02-2019: *Security for smart and safe cities, including for public spaces*
- 
- ❑ SU-FCT01-2018-2019-2020: *Human factors for FCT*
    - *Sub-topic 2: [2019] Understanding the drivers of cybercriminality, and new methods to prevent, investigate and mitigate cybercriminal behaviour*
    - *Open*
  - ❑ SU-FCT02-2018-2019-2020: *Technologies to FCT*
    - *Open*

# Les sujets cyber en 2019 (en bref)

## (2/2)



- SU-DS03-2019-2020: *Digital Security and privacy for citizens and Small and Medium Enterprises and Micro Enterprises*
- SU-DS05-2018-2019: *Critical sectors: Privacy & accountability*
- SU-ICT-02-2020: *Building blocks for resilience in evolving ICT systems*
  
- ICT-08-2019: *Security and resilience for collaborative manufacturing environments*

- ❑ Titre: *Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure in Europe*
- ❑ Challenge:
  - *Forecast, assess physical and cyber risks, prevent, detect, response, mitigate consequences, and achieve fast recovery (including novel installation designs)*
  - *Proposals should: physical threats and incidents; cyber threats and incidents; the cascading risks*
- ❑ Mots clés: *sécurité et résilience des installations existantes et futures; neighbouring populations and the environment, cost-effective and automated*
- ❑ 8 Secteurs: *water systems; energy infrastructure (power plants and distribution, oil rigs); transport infrastructure (airports, ports, railways, urban multimodal nodes); communication infrastructures and ground segments of space systems; health services; financial services; e-commerce and the postal infrastructure; sensitive industrial sites and plants*

Type	Output TRL	Durée Projet	Budget/proj. (M€)	Budget total (2019)	Conditions d'éligibilité
IA	7	< 24 mois	7-8	24 M€	Min. 2 opérateurs part. PME

# SU-INFRA02-2019-2020: Safe cities/Soft targets



- ❑ Titre: *Security for smart and safe cities, including for public spaces*
  
- ❑ Challenges:
  - Multiplication des menaces (e.g. terrorisme “low-cost”)
  - Mieux utiliser le potentiel des smart cities
  - Sécuriser la smart-cities vs. menaces cyber
  
- ❑ Mots clés: intégration et démonstrations!

Type	Output TRL	Durée Projet	Budget/proj. (M€)	Budget total (2019)	Conditions d'éligibilité
IA	7	< 24 mois	8	16 M€	Min. 2 villes & IND

- ❑ Titre: *Digital Security and privacy for citizens and Small and Medium Enterprises and Micro Enterprises*
  
- ❑ 2 sous-sujets:
  - *Protecting citizens' security, privacy and personal data*
  - *Small and Medium-sized Enterprises and Micro Enterprises (SMEs&MEs): defenders of security, privacy and personal data protection*

Type	Output TRL	Durée Projet	Budget/proj. (M€)	Budget total (2019)	Conditions d'éligibilité
IA	7	N/A	4-5 (pers.) 3-4 (SME)	10 M€	PME encouragées

# SU-DS05-2018-2019

- ❑ Titre: *Digital security, privacy, data protection and accountability in critical sectors*
- ❑ 2 sujets en 2019:
  - *Digital security, privacy and personal data protection in multimodal transport*
  - *Digital security, privacy and personal data protection in healthcare ecosystem*
- ❑ Scope: *[...] proposals should treat generic aspects for at least two of them, by identifying common threats and attacks, and by developing proof of concepts for managing cybersecurity and privacy risks. In addition, proposals should treat specific aspects for one of the three critical sectors/domains mentioned as sub-topics, i.e. transport, healthcare and finance [...]*

Type	Output TRL	Durée Projet	Budget/proj. (M€)	Budget total (2019)	Conditions d'éligibilité
IA	7	N/A	5 (transport) 3-4 (santé)	10 M€	PME encouragées



- ❑ Titre: *Security and resilience for collaborative manufacturing environments*
- ❑ Challenge:
  - Protection de la chaîne de valeur de production dont sécurité des données échangées dans et hors de l'usine (FoF cPPP)
- ❑ Scope:
  - *to develop tools and services guaranteeing an adequate level of data security for digital collaboration between manufacturing environments and value chains*
  - *Solutions need to be practically usable in real manufacturing facilities, taking into account the operational requirements needed for factory usage in real-world conditions, including reliability and resilience.*
  - *Issues of threat detection and implementation of countermeasures should be addressed, as well as evolution and real-time response when needed. Semi-autonomous or fully autonomous solutions, requiring little or no local supervision are encouraged.*

**Attention deadline: mars 2019!**

Type	Output TRL	Durée Projet	Budget/proj. (M€)	Budget total (2019)	Conditions d'éligibilité
RIA	5-7	N/A	4-6	11 M€	N/A

# SU-ICT-02-2020

- ❑ Titre: *Building blocks for resilience in evolving ICT systems*
- ❑ Challenge:
  - Mesure du niveau de sécurité, privacy, protection des données et *accountability* des algorithmes et des systèmes soft et hard
- ❑ Scope:

Au moins 1 parmi:

  - *Cybersecurity/privacy audit, certification and standardisation*
  - *Trusted supply chains of ICT systems*
  - *Designing and developing privacy-friendly and secure software and hardware*

Attention deadline: novembre 2019!

Type	Output TRL	Durée Projet	Budget/proj. (M€)	Budget total (2020)	Conditions d'éligibilité
RIA	5	N/A	4-5	47 M€	N/A