

The logo for POLESCS, featuring the word "POLESCS" in a stylized font. The "POLE" part is light blue and the "SCS" part is dark blue with a red swoosh under the "S".

SOLUTIONS COMMUNICANTES SÉCURISÉES

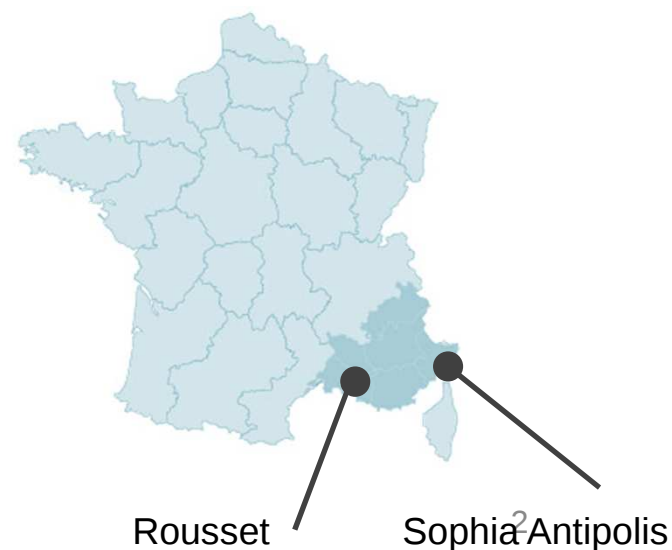
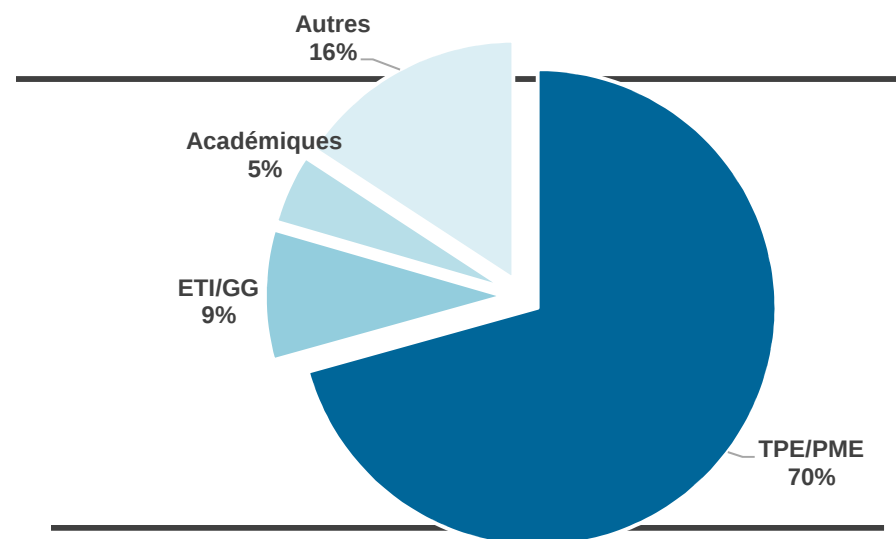
Ecosystème numérique européen

Journée industrie du Futur Aero

Marignane, 9 juillet 2019

Fabienne De Toma www.pole-scs.org

Ecosystème européen leader dans 4 domaines technologiques clés



SCS Cluster



Microélectronique



Sécurité Numérique



IoT



Big Data / IA



Industrie 4.0



Smart Cities



E-santé &
Bien-être



Véhicule
connecté



Logistique &
Transport

[Boosting Innovation]

250 projets R&D financés
1Milliard € d'investissement R&D
306 Startups & PME partenaires

100 Groupes de
Travail &
Networking



1 Plateformes R&D
Microélectronique

Formation &
Emplois
60 000 emplois
en PACA



250 M€
Levées de
fonds Startups
& PME

Veille
économique &
technologique
10 Livres
Blancs ou
Etudes



5 000 Relations
Business & **50**
salons
internationaux



Croissance &
Développement
49% de
croissance
PME
[Boosting Startups]

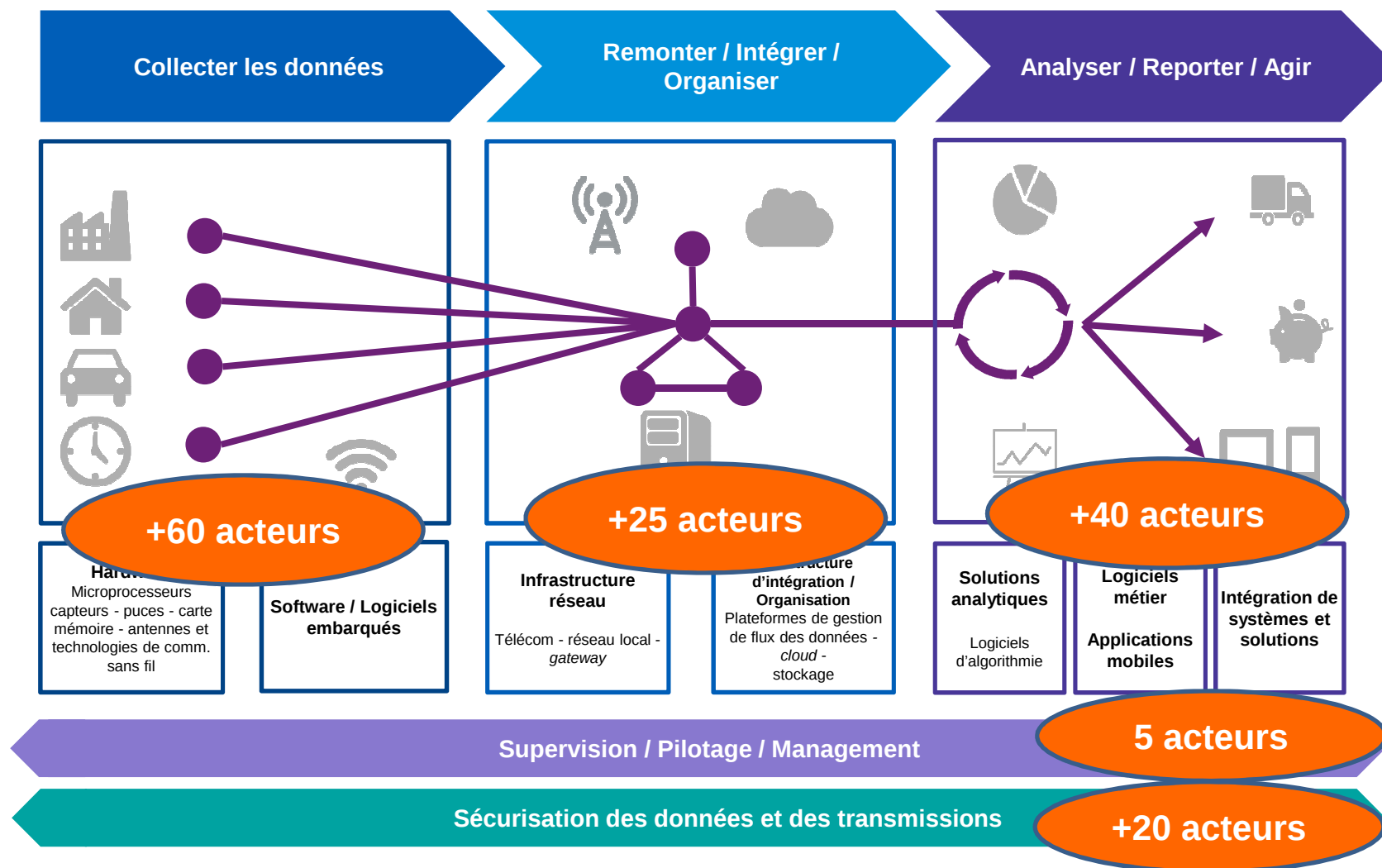
TELECHARGEZ
NOS 4 FEUILLES
DE ROUTE

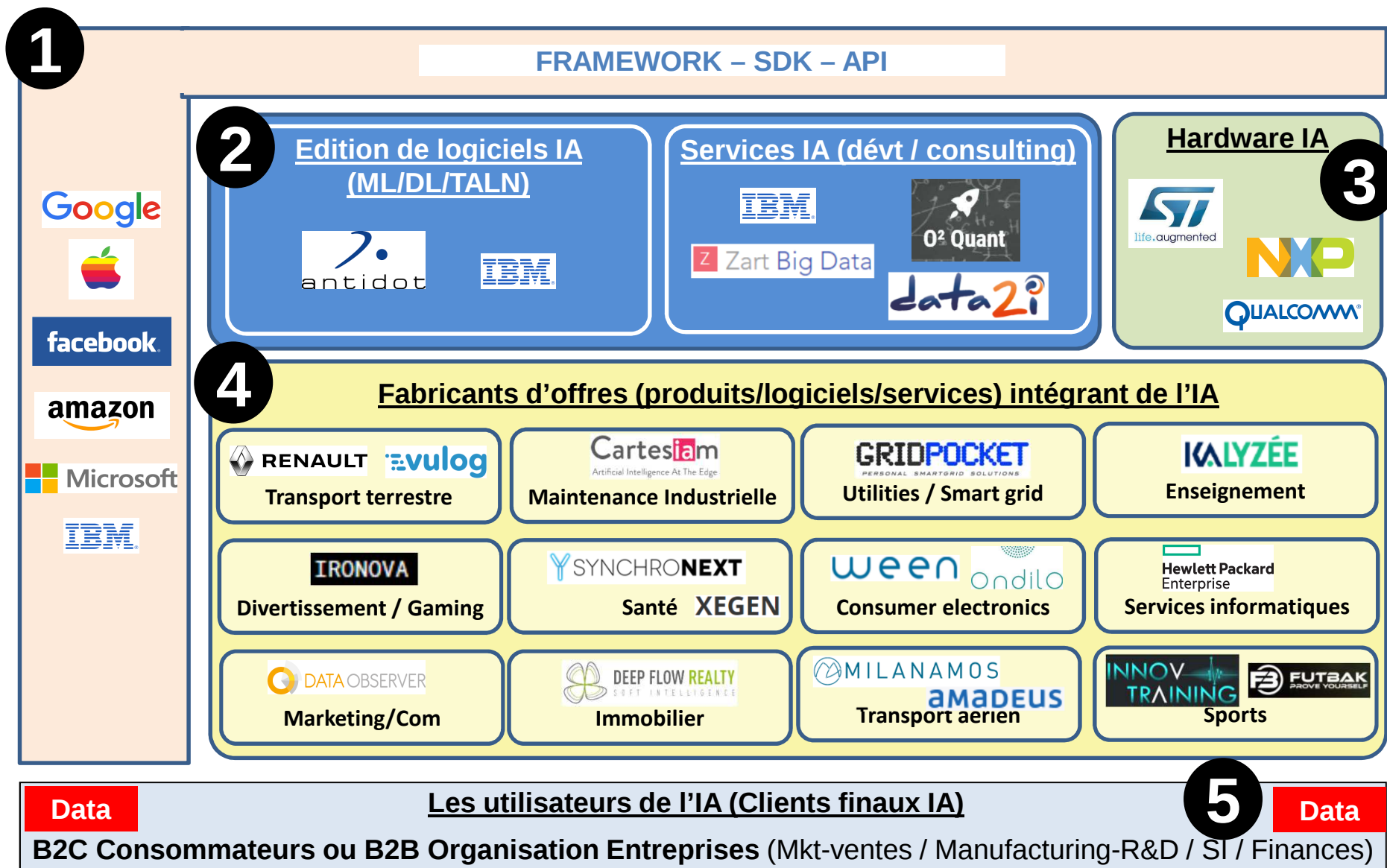


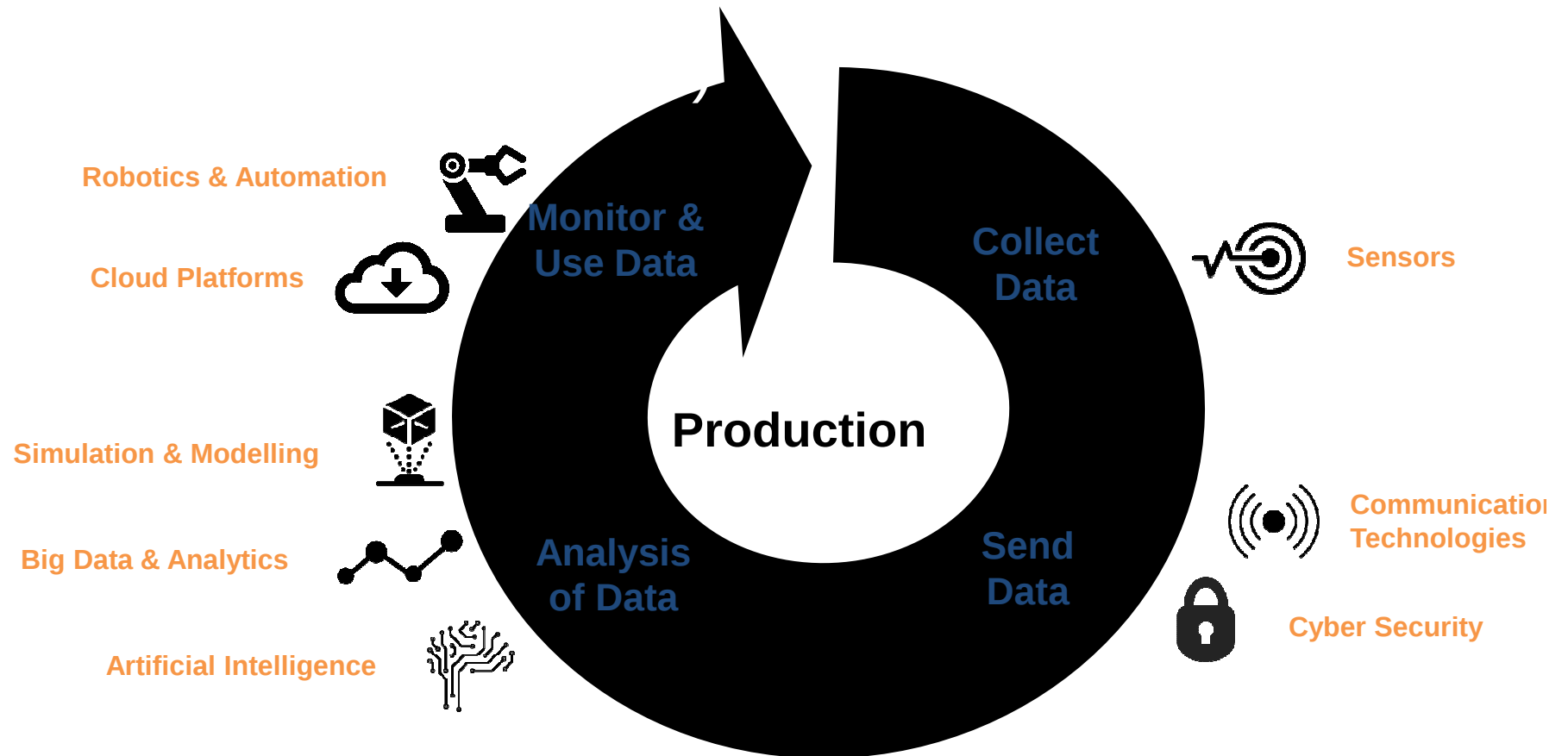
- Iot Security
- Ehealth
- Retail
- Big Data
- IoT Study
- Technological offers for Digital Industry











- Predictive Maintenance
- Logistics & Supply Chain
- Track and Trace
- Monitoring Applications
- Process analysis
- Data analysis and management
- Assets management
- Re-configuration
- Quality control
- Safety & Security
- Energy saving and Sustainability smart advice
- Decision support
- Smart elaboration
- Process/product improvement
- Ergonomics
- Product Life Cycle Management
- Smart packaging
- Additive manufacturing

Interviews with European IoT solution providers highlighted the top 4 expected applications of IIoT technologies:

Predictive Maintenance

Ex: vibration sensors on machines

Logistics & supply chain

Ex: Automated Guided Vehicles,
connected warehouses

Track and trace

Ex: products and assets localisation

Monitoring applications

Ex: smart vision for quality control



Cascade funding H2020

SCS chef de file, 7

partenaires

IoT, Big Data, IA &
Cybersécurité

partenaires dans:



POLITECNICO
DI TORINO

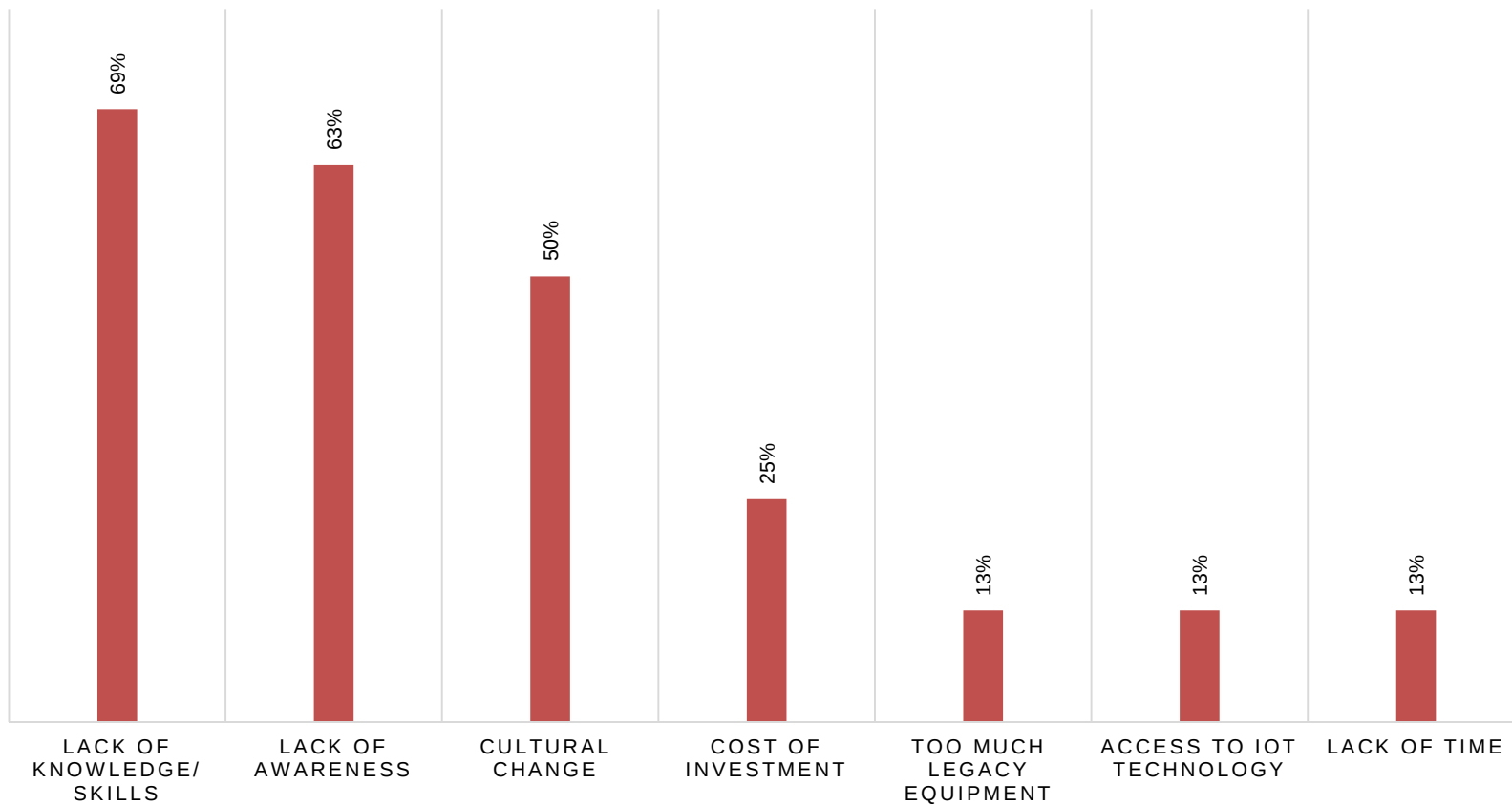


Mercedes-Benz



LUND UNIVERSITY

SME BARRIERS TO ADOPTION OF IOT TECHNOLOGY



LeanTrax

- Lean IoT Manufacturing Tracking Pilot
- EDITAG & VALEO
- LEANTRAX will demonstrate how a human based factory can digitalise its material flow tracking in a fully automated way, really fast, with minimum impact of existing processes.
- 100% automated tracking
- RFID, IoT, RTLS, low consumption RF comm, Long Range RF IoT Gatewayx



Track & Trace
Edge

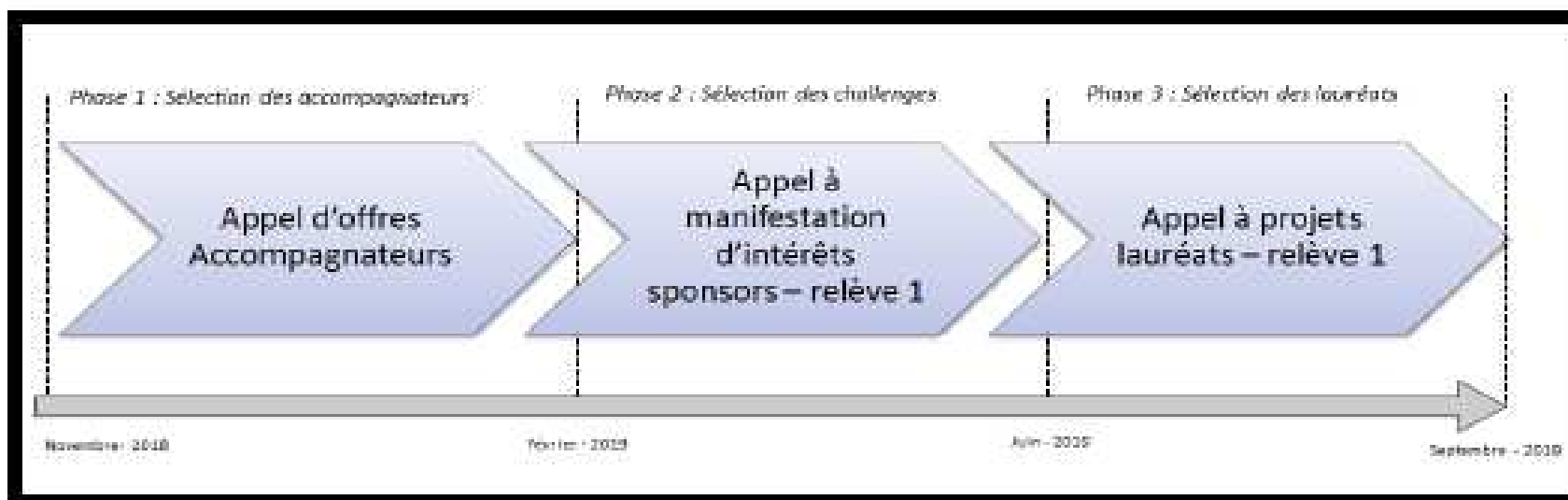


Predictive
Maintenance

EasyDIAG

- Easy & low-cost Machine diagnostic
- Schneider E, La Poste, PME
- Top prototype an easy system to indicate that the energy consumption and temperature variations are abnormal or are not as usual and that the maintenance manager has to take a closer look to the machine

- Actions issues du plan Villani et du programme de soutien à l'IA
- Réalisation de POCs/démonstrateurs IA entre grands groupes et startups
- 4 thématiques
 - **Défense/Sécurité** - Environnement – Santé – Transports
- Sélection de problématiques issues de grands groupes/collectivités
- AAPs sur ces problématiques pour résolution par des PME/Startups de l'IA
- 100K€ par startups/PMEs pour aider à la réalisation du démonstrateur



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TELECHARGEZ
NOS 4 FEUILLES
DE ROUTE



SCOPE OF THE CALL

Application of IoT Technologies in the Manufacturing Environment

Integration and Use of IoT technologies (including Big Data, Artificial Intelligence and Digital Security) into machines, robots, manufacturing tools, industrial processes and factories environments.

At least one of these entities being an SME

- **International dimension**
- **Innovative**
- **Industrial application in a vertical sector** (end-user

