

Semiconductors 'the Start-up way'

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May 2022



WSL: Boosting HighTech startups in Wallonia and Brussels



INTERNATIONAL:



- Semiconductors as part of a complete **application value-chain:**

1. **Building a Data-centric value-chain**

2. **Served by ‘Application-specific Electronics’**

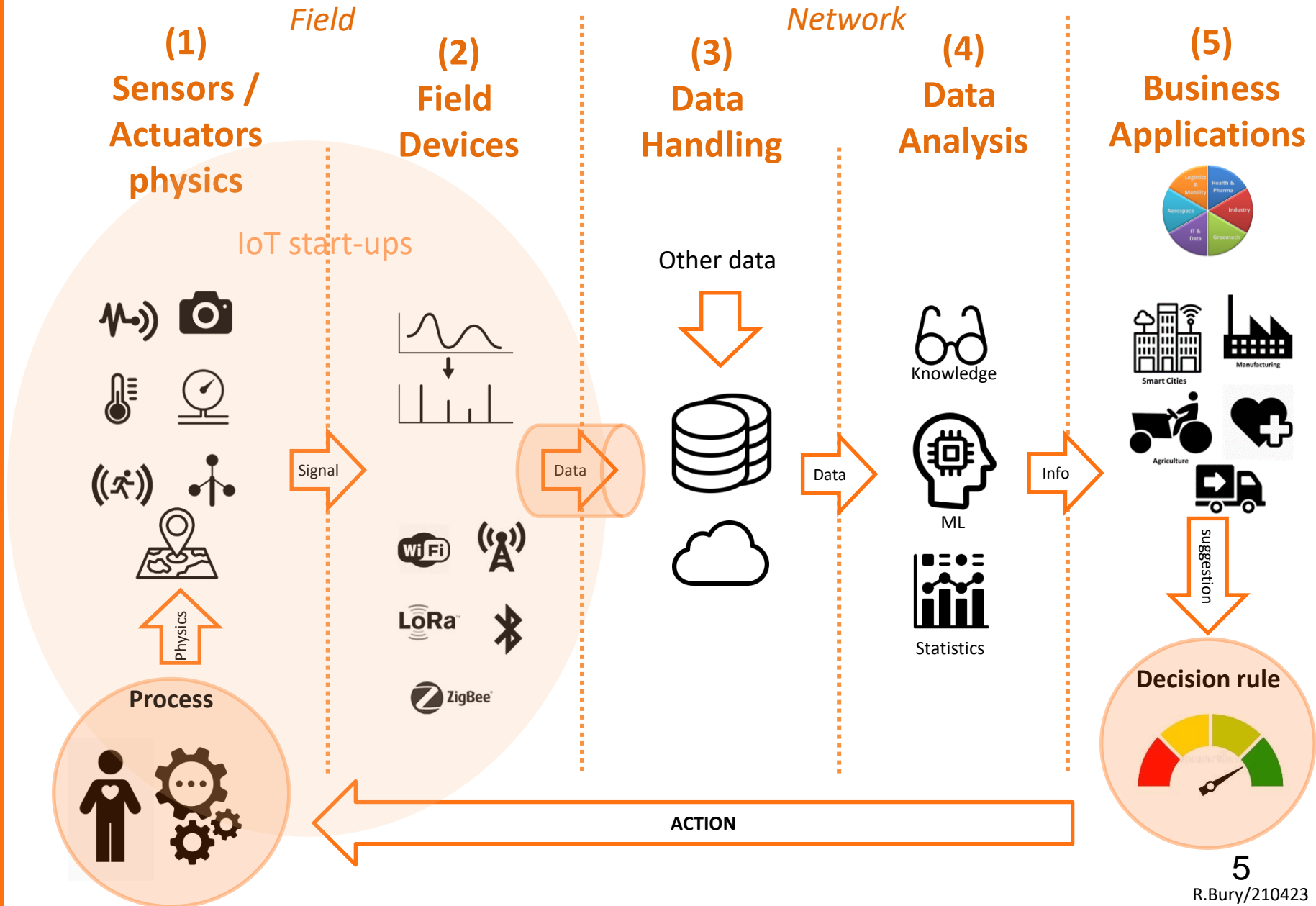


- >150 WSL startups
- SMEs and corporates

SMART INDUSTRY / HEALTHCARE PROCESSES

(SIP / SHP)



A data-centric value chain



(examples)

(1) Sensors & Actuators

-Fiber-sensors



-High frequency

- Silicon sensors



-High Temperature



- High Power



-Quantum noise



- Analog & Mixed signal
- Applied physics

(2) Field Devices

- Super-low power



- High integration



nSilitation
Smaller, Smarter, Stronger



- SOC designs
- HW / SW co-design
- Multi-dies

- Multi-channel connectivity



- Extreme ruggedness





Startups and semiconductors partnerships

- Partnerships with other links of the application value-chain
 - Proximity with the silicon partners
 - Easy access to silicon prototyping
 - Flexible ‘explorative’ designs
 - to support the learning process
 - to cope with supply chains issues
 - Paths for scaling-up
- ***Startups offer a fast path to real-world application markets***



THANK YOU !

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