

**CEA – LIST**  
**LADIS: AI lab**

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## Targeted topics

<a href="#"><u>ICT-08-2019</u></a>	Security and resilience for collaborative manufacturing environments	IA
<a href="#"><u>SU-INFRA01-2018-2019-2020</u></a>	Prevention, detection, response and mitigation of physical and cyber threats to critical infrastructure	IA
<a href="#"><u>SU-INFRA02-2019</u></a>	Security for smart and safe cities, including for public spaces	IA
<a href="#"><u>SU-ICT-02-2020</u></a>	Building blocks for resilience in evolving systems	RIA

- ***LADIS competencies:*** artificial intelligence and data science  
⇒ research focused on AI methods with operational constraints
- ***Experience in EU projects:***
  - **EURITRACK & C-BORD**
  - **SU-DRS02-2018: Technologies for first responders**
  - **SAFEWATER**
- ***Skills we can bring :***
  - **Integration of knowledge and business expertise in models**
  - **Modeling and reasoning on complex and heterogeneous structured data**
  - **Constraints integration (memory, online processing) into ML algos**
  - **Development of operational solutions based on distributed intelligence for complex decentralized architectures of indep. agents**

# Project idea

- ***ICT-08-2019: tools for data privacy (eg: differential confidentiality for manufacturing processes, ...)***
- ***SU-INFRA01-2018-2019-2020 : detection/recommendation (with ML or Rule-based Engines approaches)***
- ***SU-INFRA02-2019: sensors based signals monitoring & anomalies detection***
- ***SU-ICT-02-2020: data privacy, security level audit (with ML or Rule-based Engines approaches)***