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Targeted topics

<u>LC-SC3-SCC-1-2018-2019-2020</u>	<i>Smart Cities and Communities</i>	IA
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<u>SU-INFRA02-2019</u>	<i>Security for smart and safe cities, including for public spaces</i>	IA
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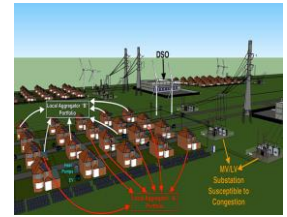
- *Organisation competencies :*



Critical infrastructures monitoring and predictive maintenance

Expert system for crisis management  *ExpressIF*

Monitoring and optimal management of local communities energy consumption/production



- *CEAtech-List skills:*

Distributed intelligence: Multi-Agent System for complex problems flexible optimisation

Explainable AI: expert knowledge modeling and automated reasoning on data






Stream data: processing and analysis of monitoring signals at various time scales

BigData: feature selection, predictive models and complex data management & integration





NR instrumentation: development of homemade systems adapted to the detection and identification of the NR threat. Strong skills in developing innovative CBRN sensors and system with a purpose of industrialization



- Projects related to Smart Cities and Communities

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TABEDE & Mas²tering & DRiVe: innovative information and communication technology platform for the monitoring and optimal management of local communities of prosumers
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PENTAGON: unlocking European grid local flexibility through augmented energy conversion capabilities at district-level
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THERMOSS: integration of advanced technologies for heating and cooling at building and district level
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SW4EU: innovative Smart Water Network for sustainable water supply, reliable QC, energy optimization and improved customers' interaction

- Projects related to "Security" topics:

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EURITRACK & C-BORD: comprehensive solution for the generalized non-intrusive inspection of container and large-volume freight in order to protect EU borders
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SU-DRS02-2018, Technologies for first responders: proposal submitted in august 2018
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SAFEWATER: securing a drinking water network regarding a CBRN threat
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BOOSTER, IMSK and TERRIFFIC: development of gamma-imaging tools for rapid intervention after a terrorist attack involving a NR threat
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SECUR-ED and SCINTILLA: development of non-destructive passive systems for securing critical infrastructures and associated benchmark