





Introduction

 The latest trends on Artificial Intelligence, Big Data and IoT challenge the traditional ways of management and distribution. Understanding these trends underpins innovations in city management and the development of smart sustainable cities.

- The proposal:
 - To develop 3 key deliverables for city stakeholders
 - Deliverable 1 " The impact of Artificial Intelligence and Cognitive Computing in Cities"
 - Deliverable 2 "The impact of Data Processing and Computation in Cities"
 - Deliverable 3 "The impact of Sensing technologies and loT in Cities"
- Each deliverable will cover different aspects of the related technology as well as their impacts on city management.
- Each deliverable will also highlight the importance of education and talent management in leveraging these new technologies.











D1 – A.I. and Cognitive Computing

- **Leader: Sang Ziqin**
- <u>Scope</u>: Artificial Intelligence has emerged as the key enabler to a wide-range of other technologies for innovations. This deliverable will look at the transformative potential of A.I. and its application in city development.
- Aspects of A.I. covered in this deliverable will include:
 - Machine learning
 - Deep learning
 - Cognitive computing
 - Health and Life Science
 - Bots and Language Understanding
- Their area of Impacts in city management:
 - Traffic management
 - Infrastructure design and exploitation
 - Quality of life
 - Public services 4.0
- Deadline: Mid-August, 2018











D2 – Data Processing and Computation

- **Leader: Tomas Llorente**
- <u>Scope:</u> Data analytics serve as the foundation for smart cities improvements. This deliverable will examine how data processing is catalytic in improving city's efficiency in different areas.
- Aspects of data processing covered in this deliverable will include:
 - Big data
 - Open data
 - Edge computing
 - Quantum computing
 - Digital transformation
 - Trend analysis
 - Virtual and augmented reality
 - Blockchain
- Their area of Impacts in city management:
 - Public Administration efficiency
 - Resilience
 - Public participation
 - Social cohesion
- Deadline: Mid-August, 2018











D3 – Sensing Technologies and IoT

- **Leader: Sang Ziqin**
- <u>Scope:</u> IoT will enable a coordinated management of city sensors. This deliverable
 will look at how IoT applications and smart sensors can transform different aspects of
 city management.
- Aspects of IoT covered in this deliverable will include:
 - Robotic Drones
 - City IoT
 - Wearables
 - Indoor positioning
 - Mobility positioning
 - Integrated sensing
 - Industry 4.0
- Their area of Impacts in city management:
 - Security
 - Emergency response
 - Mobility
 - City services' management
 - City sustainability
- Deadline: Mid-August, 2018





TIMELINE DIAGRAM – 2018 & 2019



APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC
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Malaga Meeting	INITIAL FRAMEWORK DISCUSSIONS	TECHNOLOG EXPERTS	Y					
			ERABLE I - ARTI GENCE AND CO COMPUTING					
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			COMPUTATION					
			ERABLE III – SEN INOLOGIES AND					
					EDITING OF THE FLIPBOOK		TION OF PBOOK	
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