

***National Institute of Applied Science and
Technology***

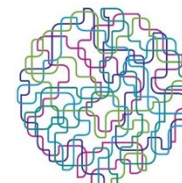
Abderrazak JEMAI

Abderrazak.Jemai@insat.rnu.tn

This presentation is for

- Workshop 4** internet of Things

Description of the Organization



ICTURKEY
ISTANBUL 2016

- **Organization:** National Institute of Applied Science and Technology is an ICT institute attached to University of Carthage Tunis, Tunisia.
- From 2014 to 2015, as General Director (CEO) of CNI, I have actively participated to promote H2020 in Tunisia (By organizing Workshops and Events) and developing a unified policy and vision between 10 Mediterranean countries to maximize their chance to be selected for the H2020 ICT calls. For two years, I was been the leader in Tunisia for both MedDialogue (H2020) and Mosaic (H2020) projects.
- **Projet MedDialogue, ID-611433, 2014-2015.** (<http://www.med-dialogue.eu/>)
 - Title : Promoting ICT Dialogue and Cooperation with the MPC Towards HORIZON 2020.
 - The MedDialogue project is co-funded by the European Community's ICT Programme under FP7
-
- **Projet Mosaic, ID-612076, 2014-2015.** (<http://www.mosaic-med.eu/>)
 - **Title** : Cooperation with Mediterranean Partners To build Opportunities around ITC and Societal And Industrial Challenges for Horizon 2020.
 - The MOSAIC project is co-funded by the European Community's ICT Programme under FP7
- INSAT : (http://www.insat.rnu.tn/Fr/accueil_46_34)
- UCAR : (<http://www.ucar.rnu.tn/En/>),

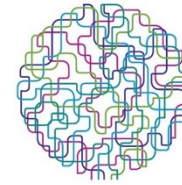
Description of the your research interest



- My research team (LIP2/FST) is a leader in Tunisia working on Embedded Systems and Internet of Things (IoT). Our activities target three challenges :
 - IoT design : Thanks to our mastering of embedded systems codesign flow, we propose new solutions taking into account the features of IoT in term or mobility, security and energy aware.
 - IoT & Cloud : Interoperability between IoT components and new virtualized infrastructure called Cloud Computing leads researcher in ICT to look for new solutions to tackle new challenges related to Interoperability protocols and frameworks.
 - IoT & Security : IoT bring new security concerns due to their reduced footprint making them unable to support a huge protection solutions and be conform with the security policy. Our research tackle this challenge and propose suitable solutions based on virtualization capabilities.

H2020 target Call : IoT-03-2017

Project Idea title: Open Cloud for Things

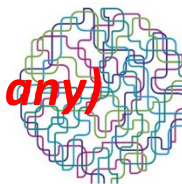


ICTURKEY
ISTANBUL 2016

- Objectives:
 - My project idea will enhance the research on new architecture for cloud and IoT that let them :
 - Efficiency and more secure
 - Easy to assemble
 - Enhance the reuse of opensource

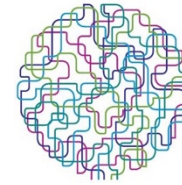
- Expected results
 - This proposition will give for future clouds
 - Fast generation of testing IoT and Smart City platforms
 - Ensure communications over smart components under high security services.

Consortium - profile of known partners *(if any)*



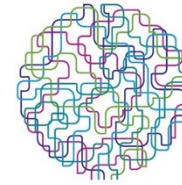
No	Partner Name	Type	Country	Role in the Project
01	CNI	RTD	Tunisia	IT Gouvernance and RISK Management Manage Budget and service agreements
02	Marwael	SME	France	Manage Solutions identification and Build IoT-Cloud building and implementation
03	STMicroelectronics	IND	France	Manage Standards and conformance
04	INSAT	RTD	Tunisia	IT Management framework and Innovation
05				
06				
07				

Consortium - required partners



No	Expertise	Type	Country	Role in the project
01	Academic dealing with new cloud design supporting IoT components and smart embedded systems	RTD		Manage Innovation and Quality
02	Expertise needed on cloud and embedded systems	SME		Manage IT building
03	Company working on cloud, IoT and embedded systems	IND		Manage IT Implementation and configuration
04	Monitoring and Performance	SME		Evaluate and Control
05				

07



ICTURKEY
ISTANBUL 2016

Abderrazak JEMAI

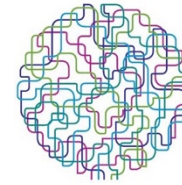
National Institute of Applied Science and Technology
Department of Computer Engineering
Tunisia

Tel : +216 98698375

E-mail : Abderrazak.Jemai@insat.rnu.tn

Web : <http://www.insat.rnu.tn/>

Recommendations



- The presentation **has to** last up to **4 minutes (maximum)**
- Do not overload your slides
- Provide weblinks to additional material
- Slides should be in English
- Do not use videos etc. – they might be not supported by the Infoday IT system
- Send your presentation in PDF or PPTX format to: ICT@turkeyinH2020.eu
before November 21, 2016.