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ISTANBUL 2016

MCS Data Labs GmbH

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This presentation is for

X **Workshop 1** Big Data
☐ **Workshop 3** Photonics and Micro-and-Nanoelectronics
☐ **Workshop 2** Robotics
☐ **Workshop 4** internet of Things

Description of MCS Data Labs

MCS Datalabs was incorporated as a limited company in 2012 under German law.

Research and innovation driven: VoIP, emergency communications, IoT (sensors and apps), (Big Data Analytics)

Nine staff members

Located in Berlin (Germany)

Consortium member of H2020 EMYNOS project
(nExt generation eMergencY commuNicatiOnS

MCS research interests

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Research Interests

Big Data, eHealth/ environment, next generation 112, internet in remote areas, IoT (smart wearables)

Research Team

Emilio CUBA	Web & backend development
Simon Hohberg	Next generation 112, Big Data, Deep Learning
Prof. Dr. Karl JONAS	Information Technology/ Multimedia Communications Hochschule Bonn-Rhein-Sieg, St. Augustin (Germany)
Kai KRUSCHEL	Embedded software development Smart wearable devices
Prof. Dr. rer. nat. Adrian PASCHKE	Mathematics Freie Universität Berlin (Germany)
Prof. Dr. Raúl ROJAS	Computer Sciences (Artificial Intelligence) Freie Universität Berlin (Germany)
Prof. Dr. rer. nat. habil. Bernd-Holger SCHLINGLOFF	Information Technology Humboldt-Universität Berlin (Germany)

ICT-14-2016-2017 (IA) Big Data PPP
Data sharing in eHealth and related sectors

- Background
  - eHealth and other sectors will spur demand for sharing of patient and health data among researchers and medical experts (and experts in other sectors)
- Objectives:
  - To further develop existing MCS technology thus allowing for increased data sharing, benefitting the medical community and patients alike within the legislative framework and at high security/ data privacy
- Expected results
  - Suggestion of standards that allow for data sharing in eHealth and other sensitive sectors (environment, security, etc.)
  - Platform that allows optimized data sharing
- Aside from this, MCS will be glad to assist in other projects that allow MCS to contribute and develop its competence

Consortium - required partners

No	Expertise	Type	Country	Role in the project
01	Big Data Analytics	RTD		Performing Data Analytics
02	Legal advisors, consulting firms	SME		Legislative environment/ data security
03	Health care providers	IND		Needs' assessment
04	Medical experts/ experts of other sectors			Needs' assessment; content provision; testing
05	Patient and Professionals' research			Test market readiness
06	Hardware developers			Sensor data technology
07				
08				

ICT-15-2016-2017 (IA) Big Data PPP
Data sharing in eHealth and related sectors

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06	Hardware developers			Sensor data technology
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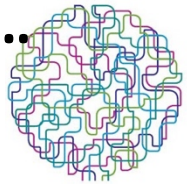
08				

ICT-20-2016-2017 (RIA) Tools for Smart Digital … Smart recognition of digital visual content



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- Background
  - A lot of visual data (video, images) are produced that do not qualify for reuse. For example, the majority of images and videos is searchable only by assigned key words.
- Objectives:
  - Identify tools and ways that eventually can help individuals and organizations to identify visual content to a larger degree than today and make it ready for reuse/ modification.
- Expected results
  - Directions for software development that will be broadly available for optimized/ granulated video and image data recognition.

Consortium - required partners

No	Expertise	Type	Country	Role in the project
01	Big Data Analytics	RTD		Performing Data Analytics; develop algorithms for semantic and visual recognition
02	Legal advisors, consulting firms	SME		Legislative environment/ data security
03	Creative industry	IND		Needs' assessment; testing; co-development
04	User and Professionals' research			Needs'
05	Creative experts			Analysis and market monitoring on new hardware and software for
06	Software developers			Defining detailed requirements and providing temporary suggestions for software development
07				
08				

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