



Preparing  
**Emergency  
Calling**  
for  
Next Generation

May 18, 2016  
Version 7.1



**MCS Datalabs**  
GmbH

# Content

**Introduction to MCS Datalabs GmbH, substituting for Fraunhofer FOKUS.**

**Introduction into EMYNOS project**

**Demo**

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# MCS Datalabs GmbH: Introduction

**MCS Datalabs was incorporated in 2012.**

**SME**

**Location: Berlin (Germany)**



# MCS Core Competencies

**IP-based  
Communication**



**Internet of  
Things**



**Big Data**



# Introducing EMYNOS



**EMYNOS**  
= (nExt generation  
eMergencY  
commuNicatiOnS)

- European Union project under the umbrella theme of protecting freedom and security of Europe and its citizens ([www.emynos.eu](http://www.emynos.eu)). Budget: EUR 4.1 million
- Partners: Fraunhofer Fokus, Red Cross Austria, Voztelecom Spain, Special Telecommunication Service Romania, Turksat, NavCert, Harpo, Hellenic Open University, TEIC (Crete), PSCE



# Next Generation 112

## ISSUES

Ending support for non IP-based phone lines  
→ PSAPs have to support VoIP

## OPPORTUNITIES

- New types of media (video, real-time text)
- Additional data (location information, sensor data, images)
- Improved support for disabled people
- New communication channels (e<sup>2</sup>Call; call from browser)



# EMYNOS Objectives

**To design and develop a common Next Generation emergency management platform that...**

**...addresses limitations of today's emergency systems;**

**...applies to international standards;**

**...embraces new technologies;**

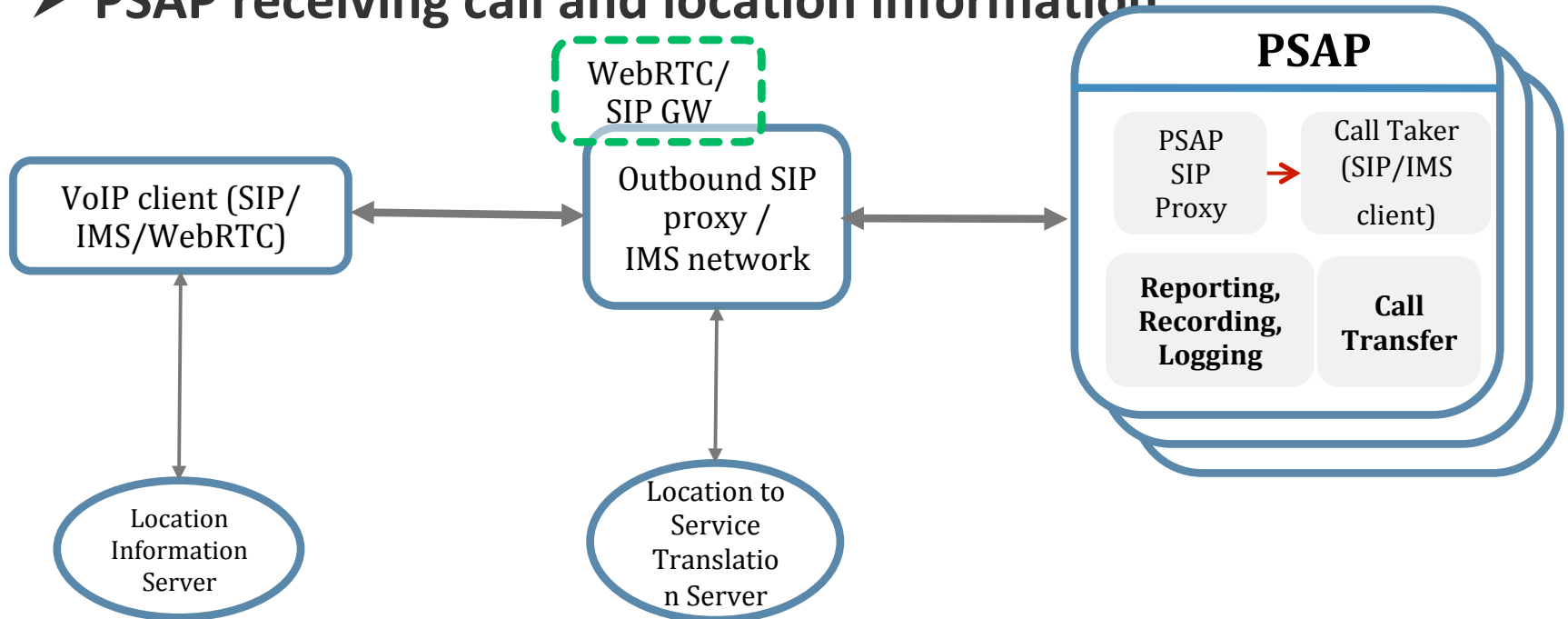
**...provides user/ device position;**

**...addresses needs of disabled individuals.**



# Demo

- Emergency call from browser, sending location information.
- Routing according to location provided by caller.
- PSAP receiving call and location information





# Demo



**Emergency Calling from the Browser**

# Possible Applications outside Emynos

## 1. Emergency Call Centers

Ambulances, fire brigades, safety/ security services, disaster management, etc.

## 2. Other Call Centers & organizations

Highly flexible call center solution based on web standards; platform-independent, expandable



**Any questions?**



# Contact us

## **MCS Datalabs GmbH**

Bismarckstrasse 10-12  
10625 Berlin, Germany

Phone: +49 (30) 5900 832 80

Fax: +49 (30) 5900 832 08

[info@mcs-datalabs.com](mailto:info@mcs-datalabs.com)

[www.mcs-datalabs.com](http://www.mcs-datalabs.com)

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Datalabs GmbH, Bismarckstr. 10-12, 10625 Berlin (Germany)  
[info@mcs-datalabs.com](mailto:info@mcs-datalabs.com)



# MCS DataLabs GmbH

Make Complexity Simple

