

« 8 MBDS TWITO-PROJECTs (2012-2016) »

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MBDS UNIVERSITY CONTEXT (France) for these projects

University contribution beyond innovative USE CASE prototyping on ubiquitous information systems (NFC, smartphone captor integration)

- **“INNOVATION” (bottom up)** : MBDS at University of Nice (with its Spin Off TOKIDEV)
 - *MBDS IN France, Morocco, Madagascar, Haïti, Russia and Cambodia could be associated*
- **Multidisciplinary RESEARCH (top down)** :
 - Economics and Business models (GREDEG lab. at University of Nice)
 - Marketing at IAE lab. (University of Nice)
 - Computer Science on BIG DATA at LSIS (Univ of Marseille, Pr Omar Boucelma) with MBDS

MBDS TWITOPROJECTS on *digital smart ubiquitous territories* :

- SMART CITIES
 - m-commerce (*Imajans; City wallet*)
 - m-tourism (*Reve*)
 - education/serious games (*TALK lines*)
- HOME (*Maslow*)
- CAR (*Vamp*)
- MOBIQUITOUS MONEY (*First project* in India and Haiti; *virtuous money* for teenagers)
- ELDERLY PEOPLE and Alzheimer tracking (*Emoi*)

- Anti-seismic prevention & management (*sismapp*)

1) m-commerce :“CITY WALLET “ (smart cities for m-shopping)

- TWEET : dematerialized city cards (on NFC smartphones) for tourists and citizens around one-tap shopping and marketing with virtual malls, click and mortar shops, coupons and information aggregation controls by public authorities (to avoid SHOWROOMING)
- Industry partner: Gemalto ?, DOCAPOSTE (?), MONEXT? < Teenager VIRTUOUS MONEY> + **MASTER CARD Europe**
- Start-ups : Tokidev, Innovation Tic (France) , Tag Tag city (Brussels, Belgium), Nexperts (Vienna, Austria), AVIDIUM (Vitoria, Spain), Adelya, Airtag
- USE CASE in NICE and Grasse(France), Brussels, Vitoria (Spain)
- BIG DATA Research with Univ Marseille (LIS)**

2) Mobiquitous cultural tourism: “REVE” project

- TWEET : Mobiquitous tourism of the future with personalized couponing (creation and follow up *invisible paths* on territories (guide in the pocket)
- Partner: Tokidev
- USE CASES in Grasse, NICE, Cannes (?), Cambodia (Phnom Penh and Angkor) and Haiti /SANTO Domingo/Cuba (Virtual TAINO Museum), Tunis (BARDO Museum)
- Applications with Marina Latta (MarinAPP) in Grasse in Nov 2013 and with Dominique de Seguin in Nice (Januaru 2014)
- BIG DATA Research with Univ Marseille (LIS)**
- Note : We have an Open Source platform to manage invisible tagged paths (MBDS2.0) since 2006*

3) Mobiquitous Education: “City Serious Game” TALK LINES (in Nice, Grasse, Cannes and Sophia Antipolis)

- TWEET : Invisible paths on a given territory with social pedagogical contributions from schools: history, geography, literature (TWITARETURE), arts
 - invisible tags with NFC, QR Code and OCR/invisible Ones (SNAPnSEE from Tokidev)
 - Toward a “**Wikipedia of territories**” with teachers acting as wikipedians
 - Territories as WALL- LESS SCHOOLS (**Face school project**) ; *from local history to global history*
 - Towards “CHEVALRY of DIGITAL TERRITORIES” (after n years in school)
- Potential Industry partners: NVIDIA (Sophia, France) ?, GFI (Sophia Zen) ? THALES (Augmented Reality)?
- Start ups : Tokidev, Avousdejouer, Innovation TIC
- Academic partner (Andre Marcant, and Josyane Rouch IPR Rectorat of Nice)

- e. 2014 USE CASES on invisible pedagogical paths
 - i. Marinapp (Treasure hunting in Grasse around Rothschild's smoking pipes)
 - ii. DOMAPP (tracking Seguin's sculptures in NICE city) in January 2014
 - iii. SOPHIA ANTIPOLIS thru Mr Laffitte and Picasso's) with GFI ? <SOPHIA ZEN>
 - iv. CANNES ? (on Golden Palm tracking < under study>

4) Mobiquitous sustainable home : "MASLOW Home »

- a. TWEET : Low cost sustainable home with a portfolio of mobiquitous services (on NFC smartphones): security, access control, customized infotainment, renewable energy control, appliance monitoring thru invisible tags
- b. Industry /research partner : CSTB (Sophia Antipolis, France) ?, ISMB (Torino Italy), **FINLAND cf SISU2.0 project in 2010**, DOCAPOSTE BPO, Steel Systems (Italy), Bellelectric (Germany), Greentic laboratoty (Morocco), Solutions (Haiti), Green Planet architects (Santo Domingo), ASK (France)
- c. Start ups : Tokidev, Nheolis ID SUD (France), Saltos Systems (Spain)
- d. Potential USE CASES in France, Morocco (Green City with OCP), Santo Domingo and Haiti

5) Mobiquitous electric car : « VAMP »

- a. TWEET : Electric cars in shared mode (Nice) using the driver smartphone as a car infotainment controller
- b. Partners : PSA, RENAULT and VISTEON Research center (Sophia Antipolis)
- c. Start up : Tokidev
- d. USE CASE : Grasse and Nice

6) Multi Sense Memory suitcase for Alzheimer detection/support : "EMOI" project

- a. TWEET : Memory spaces for retired people to build emotional recollection life suitcases with multimedia and smell based tags (NFC and Invisible)
- b. Partners: Tokidev, Art et parfum (Grasse), Systels Network (NFC Pens, Spain), IPERNITY, GSF Alzheimer foundation in Sophia Antipolis
- c. USE CASE in Hospital of Grasse + Pr Marcel CHATEL

7) Mobiquitous money : "FIRST" Project in India, Haiti and Morocco (and FRANCE for unemployed or teenagers)

- a. TWEET : Mobile payment (social help; international targeted remittances, crowdfunded bank of animals; virtuous money for teenagers) using NFC cards and smartphones with full transaction tracking < mobiquitous MONEY; multi-SE platforms>>; LETS Local Exchange Trading Systems; BARTING 2.0

- b. Partners: Gemalto, TATA CS (India) and IIS (Bangalore) for FIRST project funded by Cefipra from 2012 to 2016 (www.cefipra.org)
- c. Other partners : Solutions (Haiti), *Omnidata (Morocco)*, *Docaposte BPO (France)*, *Master Card ?*
- d. Start ups: Tokidev

8) Anti- Sismic prevention and management :

« SISMAP »

- a. TWEET : Earthquake detection using correlation among smartphones captors and real time cartography of destruction after the big one (risks in Istanbul, Italy, Greece,)
- b. Partners
 - i. CEA (EMSC Secretary General, Remy Bossu) and Geoscience Azur (UNS)
 - ii. Tokidev, Quakeup
 - iii. Stanford University and Berkeley (Captors)
- c. Use Case in GREECE

9) Other potential projects on BIG DATA ++ ROBODOMO, MOOC, HANDICAP