8 MBDS TWITOPROJECTs (2012-2016)

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MBDS UNIVERSITY CONTEXT (France) for these projects

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

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

MBDS TWITOPROJECTS on digital smart mobiquitous territories:

- SMART CITIES
  o m-commerce (*Imajeans; City wallet*)
  o m-tourism (*Reve*)
  o 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*)
1) m-commerce : “CITY WALLET “ (smart cities for m-shopping)
   a. 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)
   b. Industry partner: Gemalto ?, DOCAPOSTE (?), MONEXT? < Teenager VIRTUOUS MONEY> + MASTER CARD Europe
   c. Start-ups : Tokidev, Innovation Tic (France), Tag Tag city (Brussels, Belgium), Nxexperts (Vienna, Austria), AVIDIUM (Vitoria, Spain), Adelya, Airtag
   d. USE CASE in NICE and Grasse (France), Brussels, Vitoria (Spain)
   e. BIG DATA Research with Univ Marseille (LIS)

2) Mobiquitous cultural tourism: “REVE” project
   a. TWEET : Mobiquitous tourism of the future with personalized couponing (creation and follow up invisible paths on territories (guide in the pocket)
   b. Partner: Tokidev
   c. USE CASES in Grasse, NICE, Cannes (?), Cambodia (Phnom Penh and Angkor) and Haiti /SANTO Domingo/Cuba (Virtual TAINO Museum), Tunis (BARDO Museum)
   d. Applications with Marina Latta (MarinAPP) in Grasse in Nov 2013 and with Dominique de Seguin in Nice (Januatu 2014)
   e. BIG DATA Research with Univ Marseille (LIS)
   f. 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)
   a. TWEET : Invisible paths on a given territory with social pedagogical contributions from schools: history, geography, literature (TWITARETURE), arts
      i. invisible tags with NFC, QR Code and OCR/inivisible Ones (SNAPnSEE from Tokidev)
      ii. Toward a “Wikipedia of territories” with teachers acting as wikipedians
      iii. Territories as WALL- LESS SCHOOLS (Face school project) ; from local history to global history
      iv. Towards “CHEVALRY of DIGITAL TERRITORIES” (after n years in school)
   b. Potential Industry partners: NVIDIA (Sophia, France) ?, GFI (Sophia Zen) ? THALES (Augmented Reality)?
   c. Start ups : Tokidev, Avousdejouer, Innovation TIC
   d. 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 Rotschild’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:
   « SISMAPP »
   
   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