

ideark



Community of Interest

Stephane Rey

MOBIO Review Meeting, Sep.16-17, 2009

EyePmedia – 1020 Renens

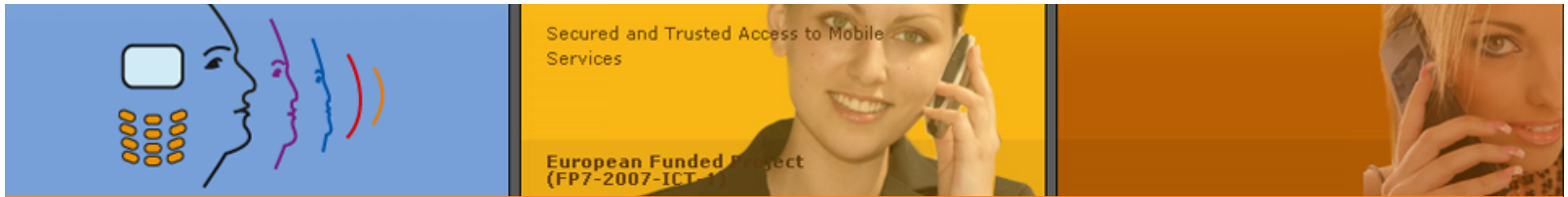


MOBIO - Mobile Biometry

Secured and Trusted Access to Mobile Services

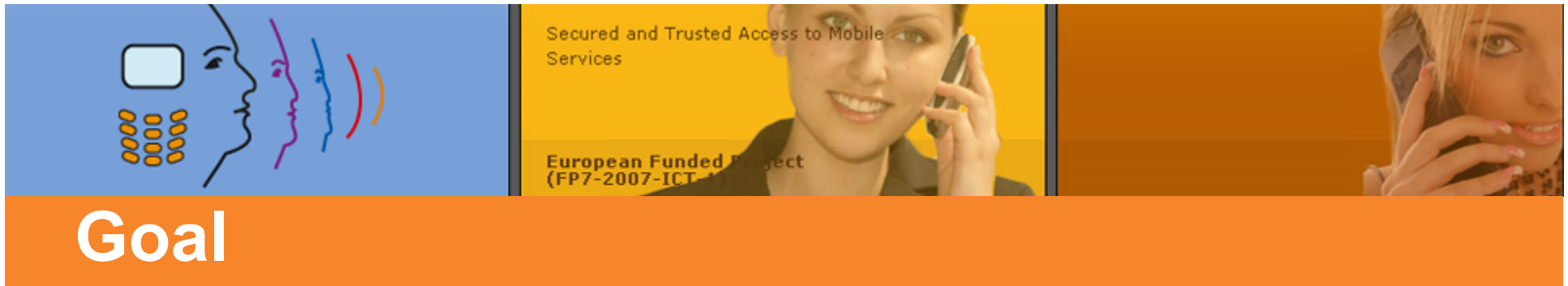
European Funded Project
(FP7-2007-ICT-1)

Be on the vibes



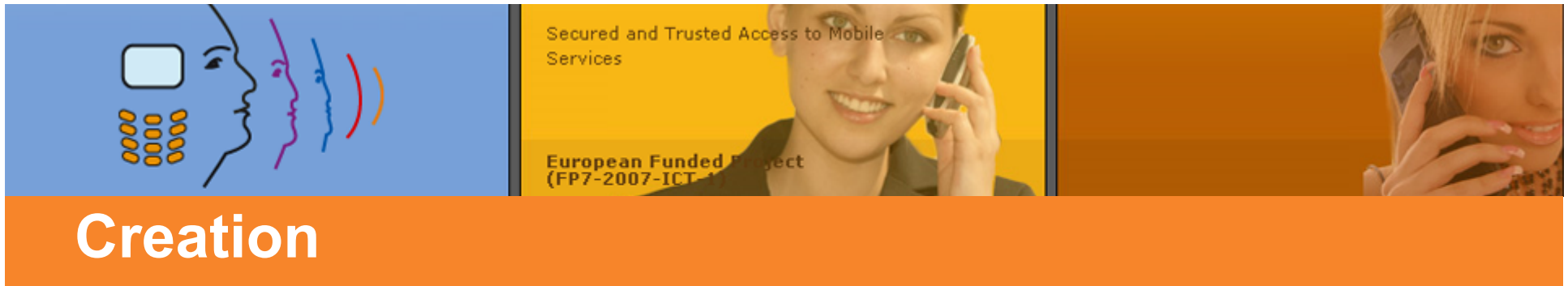
Community of Interest (Col)

- Goal
- Creation
 - Sources
 - Learnings
 - Increase
- Stimulation
 - News
 - Teasers
- Overview of current members
- First results

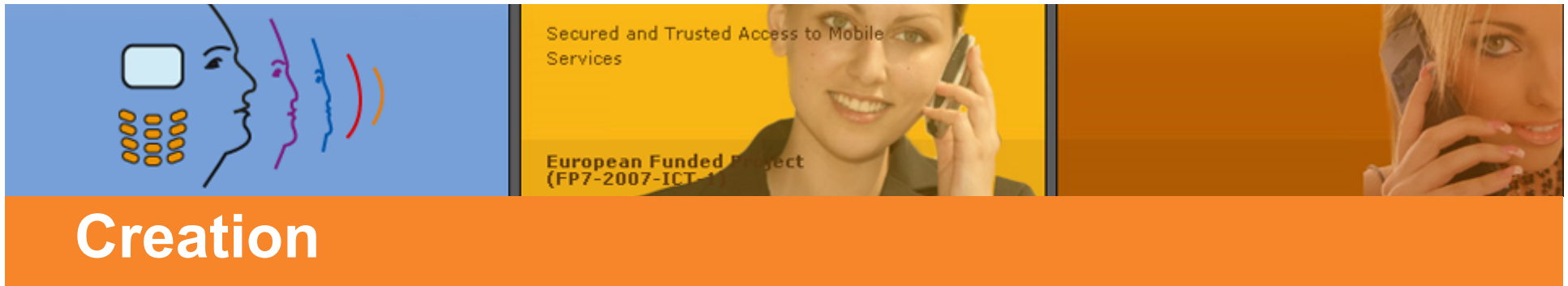


Goal

A Col is a group of people connected to each other by a **shared need** to solve common problems, develop skills and share best practices. In the case of MOBIO, it is composed of people representing their corporate employers or clients who are frequently at the interface between basic and applied research, and development. The overall goal of the Col in MOBIO is to ensure as much as possible an **effective exploitation** and a take up of the technology developments by validating the potential use of these developments.

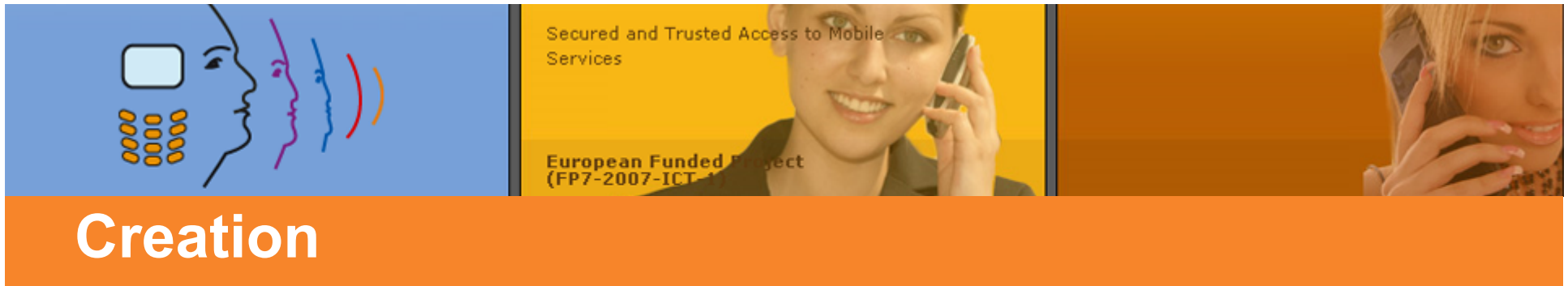


- Sources
 - Individual networks
 - Rerouting
 - From academic request
 - From technology request
 - Leads from events (ICT Lyon, MobileMonday,...)
 - Cross-over from other projects (EU, national,...)
 - More than 100 contacts



- **Learnings**

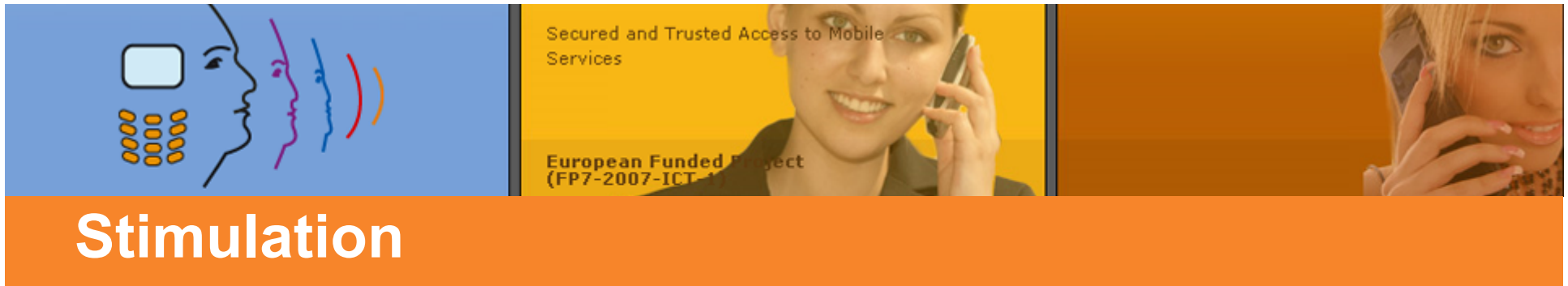
- Very difficult to reach the right person in a large company (Orange, Nokia,...)
- Large companies often count on SMEs to bring new solutions (mobile operators, Logitech,...)
- Fear of extra work
- Some see no value to enter that early (Logitech, less technical SMEs)
- Demo will help to convince




Creation

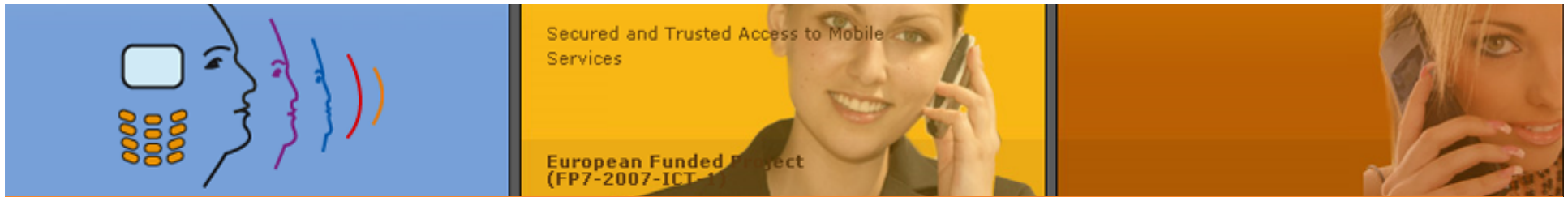
- Increase
 - No deadline, open community
 - Convince open leads (the crowd attracts people, demo)
 - Use Col members as promoters
 - Participation to more events
 - ITU Telecom World '09
 - Smartevent '09 (building trusted mobile applications)
 - Use demo to motivate hesitating partners
 - Proactively use of linking platform





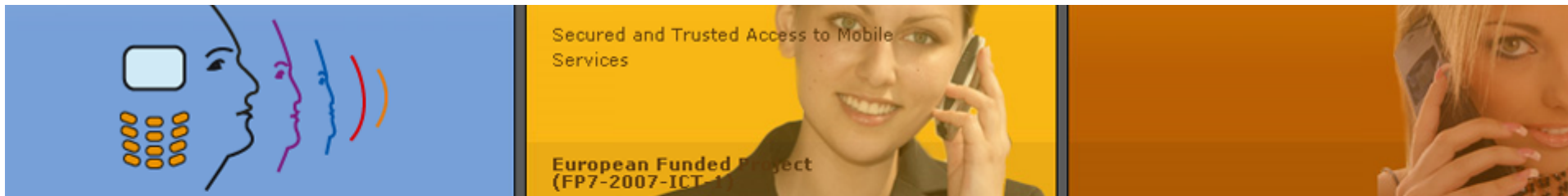
Stimulation

- Newsletters (every 2 months, more if needed)
 - Not technical
 - Disclose use cases
- Teasers (not more than weekly)
 - For example, augmented reality using face recognition
http://www.youtube.com/watch?v=tb0pMeg1UN0&feature=player_embedded 
- Business collaboration platform (blog, LinkedIn)
 - Encouraging synergies between members
 - Need to create the market

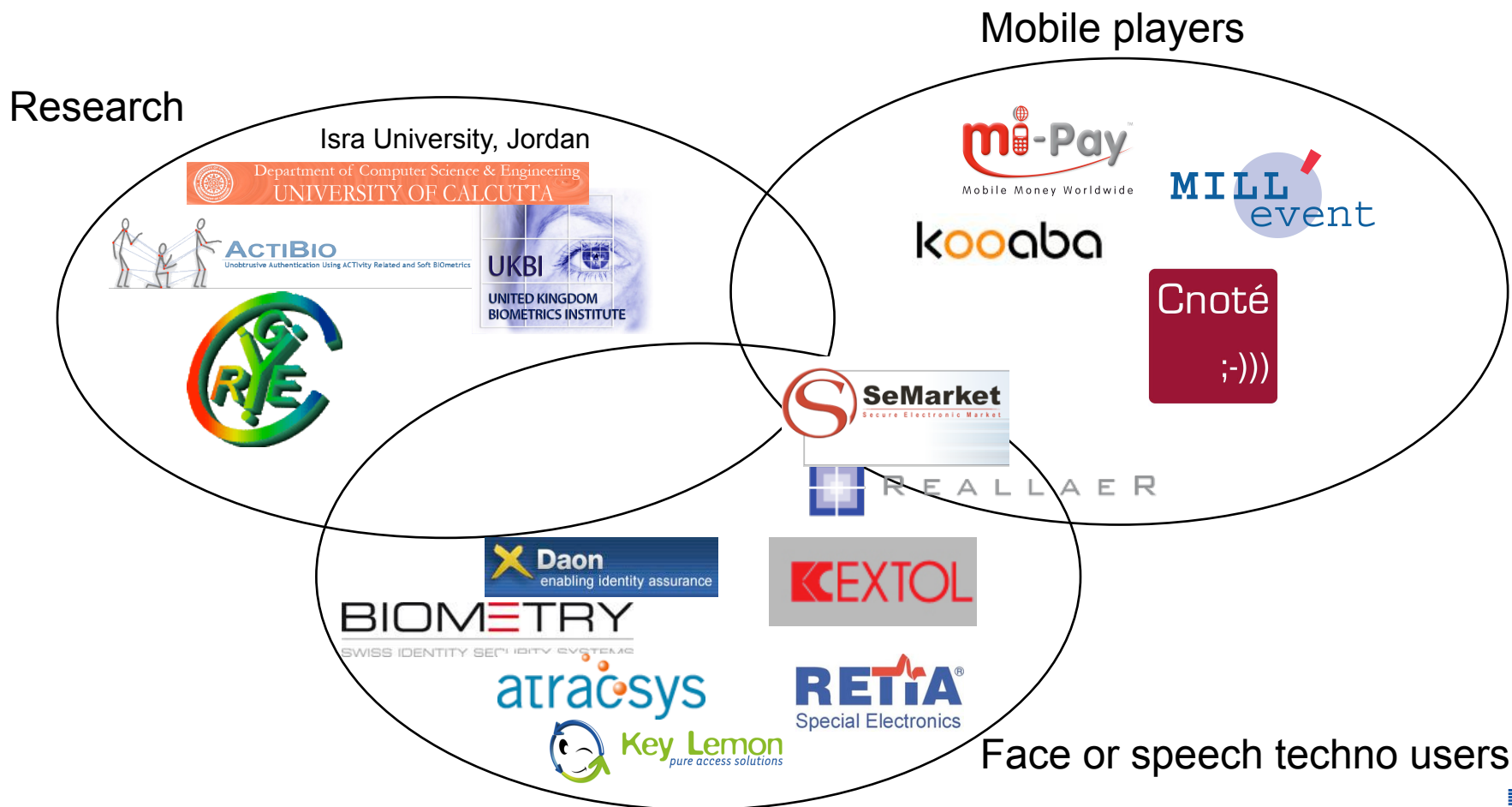


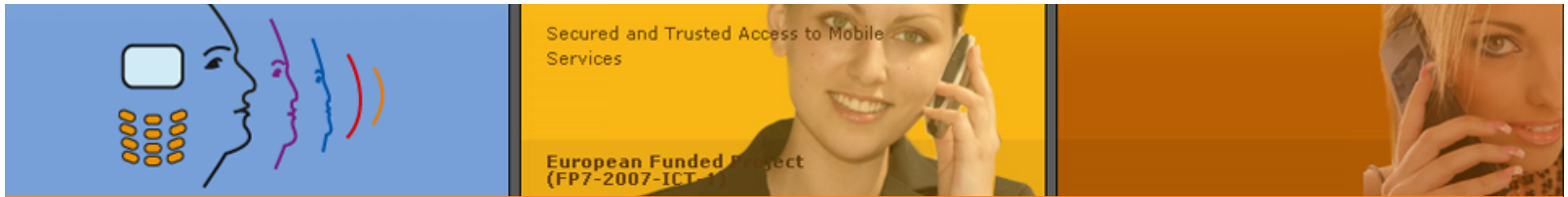
Stimulation

- **MOBIO workshop**
 - 2010
 - Joint workshop with Actibio (agreed) and BEST NoE, and Turbine?
 - Capitalise on large exhibit (tbd based on timing)
 - Technical sessions, courses?
 - Col members invited
 - Demonstrations, buzz
- **Development of joint use cases with Actibio**



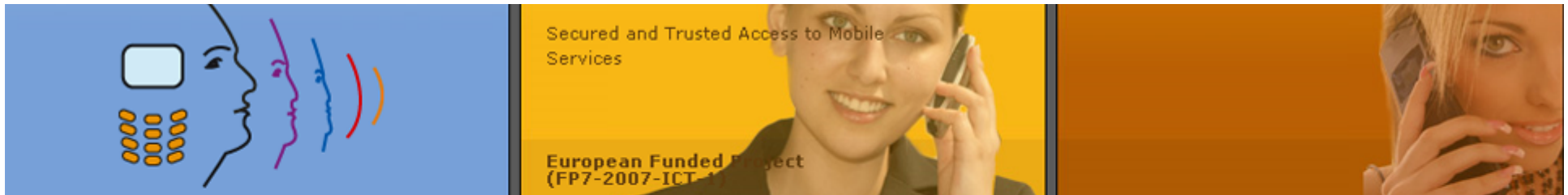
Overview of current members





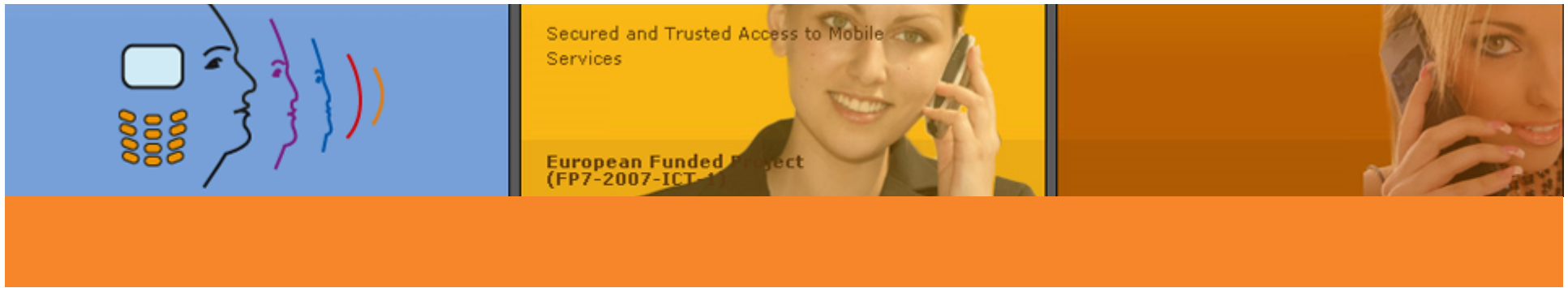
Key targets

- Nokia
- Sagem
- Orange
- Thales
- Swisscom
- Symbion Medical (advanced contact, evaluation)
- Think Trust (RISEPTIS use case), pending approval of all partners

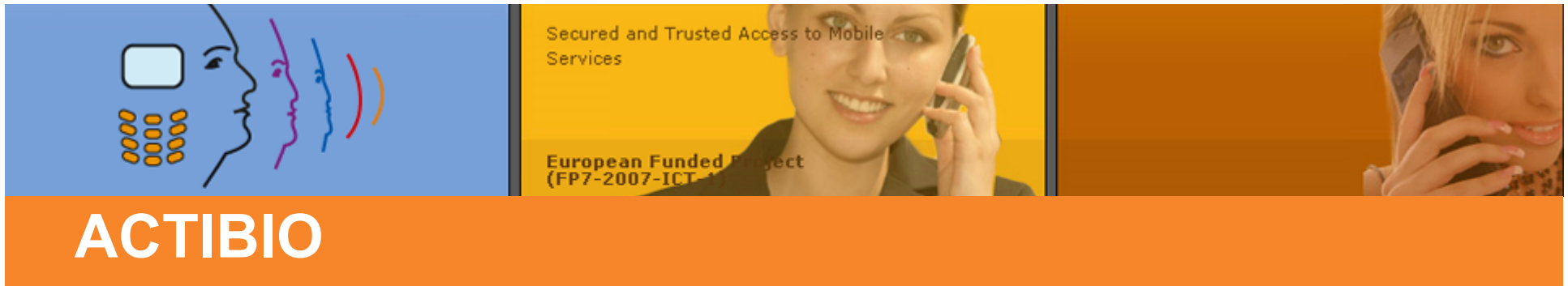


First results

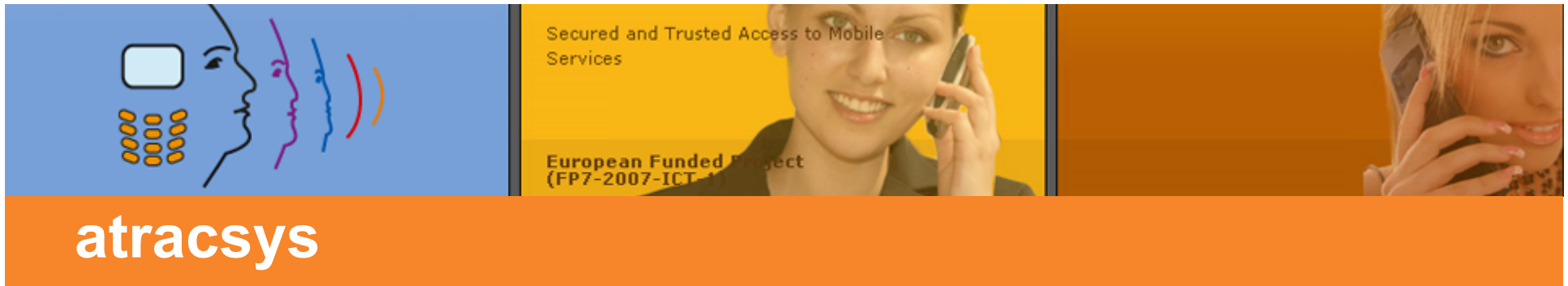
- **Licencing**
 - Biometry AG
 - Contacted Idiap when discovering MOBIO
 - Evaluation licence signed
 - KeyLemon SA
 - Commercial licence signed with Idiap
 - Phonexia
 - Licence agreement with BUT
- **Visidon**
 - Was part of the Col
 - Privileged choice for new MOBIO partner
- ...to be continued



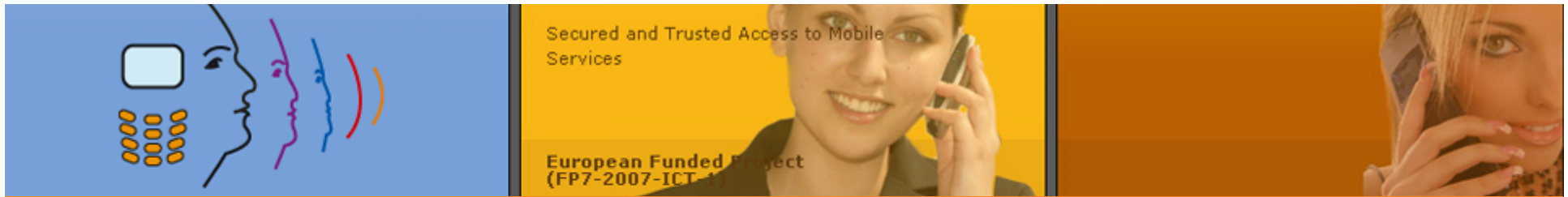
Thank you for your attention



- **FP7 European project**
 - ACTIBIO aims to research and develop a completely new concept in biometric authentication, i.e., the extraction of biometric signatures based on the response of the user to specific stimuli while performing specific work-related activities. The novelty of the approach lies in the fact that the measurements that will be used for authentication will correspond to the response of the person to specific events being however, fully unobtrusive and also fully integrated in an Ambient Intelligence infrastructure.
- **Contacted Sébastien for collaboration**

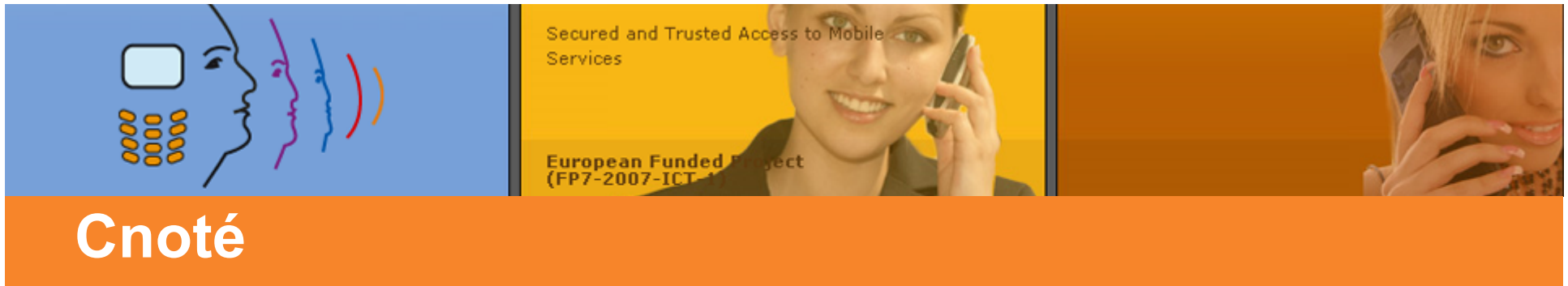


- Active optical tracking mainly in medical field
 - Founded in 2003 to exploit over ten years of research in minimally invasive surgery and optical tracking at the Swiss Federal Institute of Technology (EPFL) in Lausanne, Switzerland
 - Consulting business as well
- Contacted Idiap for a face detection sw
- Interest in face-related algorithms

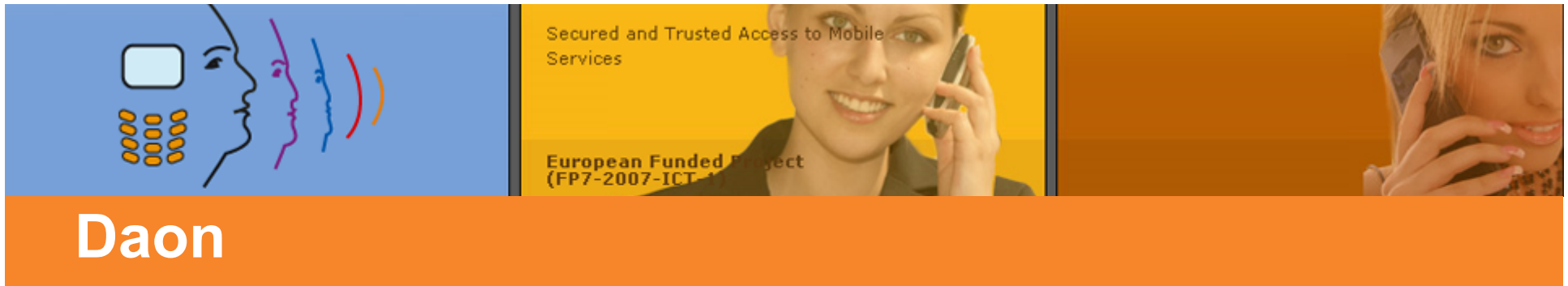


Biometry AG

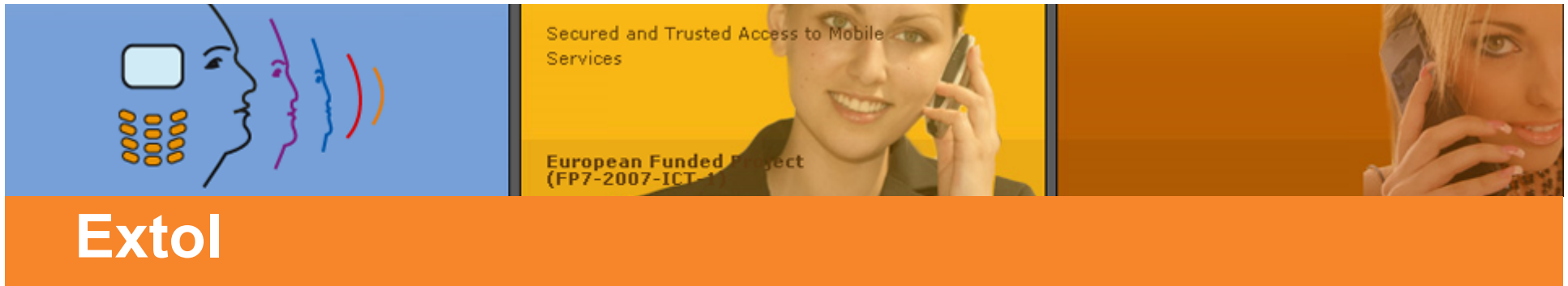
- Biometry products under development
- Contacted Idiap via MOBIO for authentication sw
- Interest in creating the biometry market



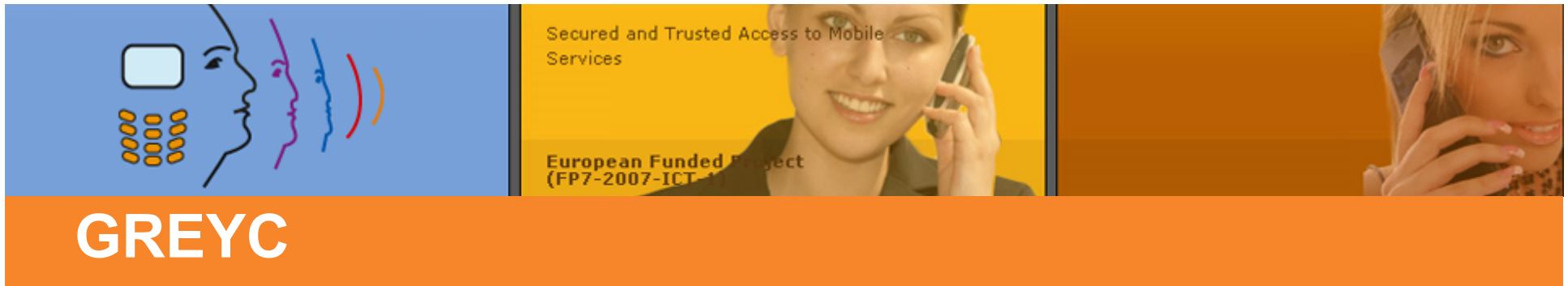
- Mobile marketing services
 - Incubated at IdeArk
 - Active and responsive
- Contact through IdeArk
- Interest in new potential mobile services



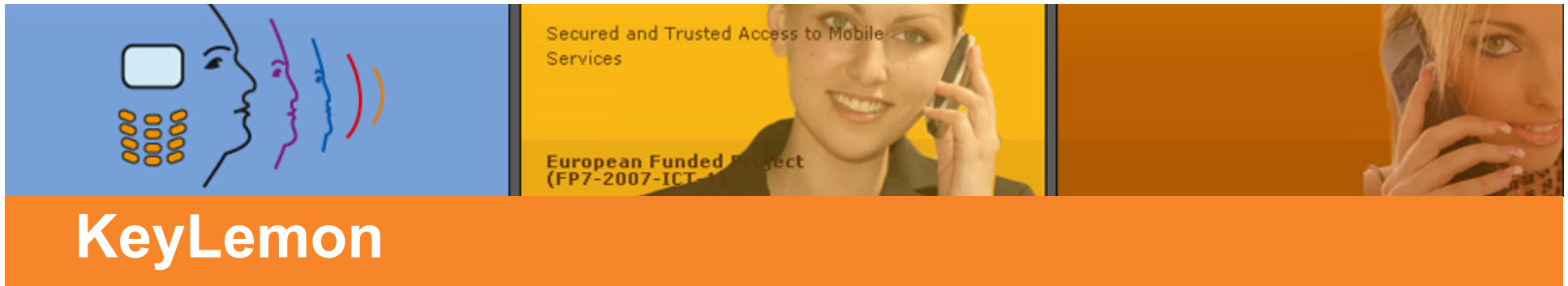
- Biometric identity assurance
 - Provides software and services to governments and organizations to assist them in managing the identities of their citizens, customers or employees
- Contacted Sebastien on MOBIO
- Interest to extend their business on the mobile market



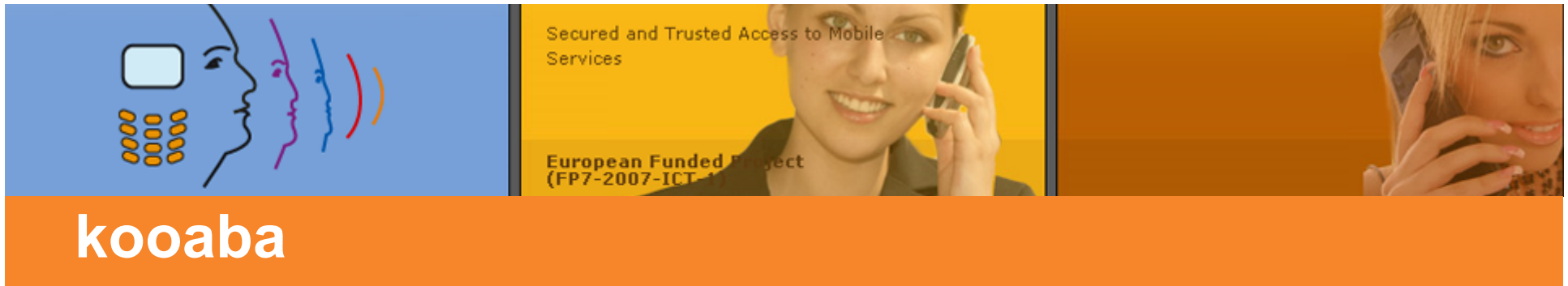
- End-to-end solutions that cover all aspects of ICT security
 - Contact in the Research group
- Contacted through Norman (UMAN)
- Interest for best practices in the domain



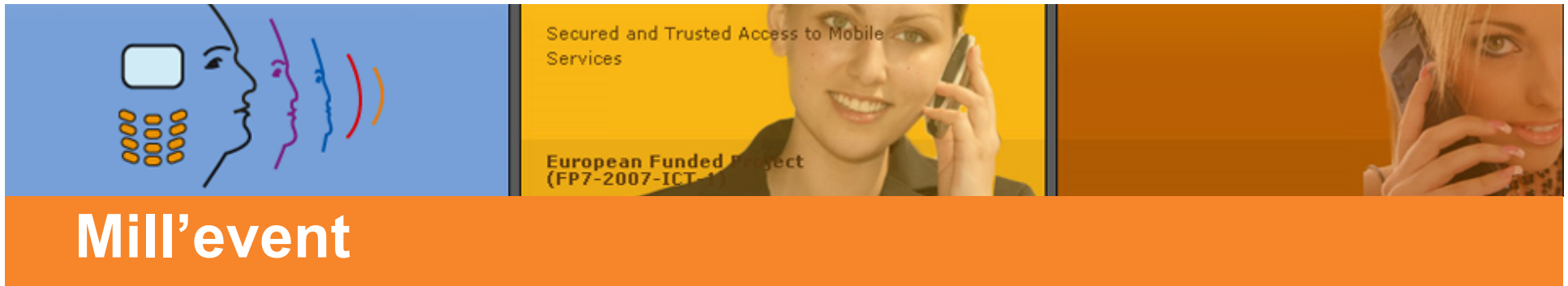
- IT security research
 - Orange Labs – Caen stopped all biometry research and transferred its knowledge to GREYC
 - Competences in banking transaction
 - Partner of SMARTTOUCH (EU project on NFC)
- Contact of FT/OrangeLabs (which was a contact of Idiap in the Biometry, but withdrew from the domain)
- Interest in biometry and security issues



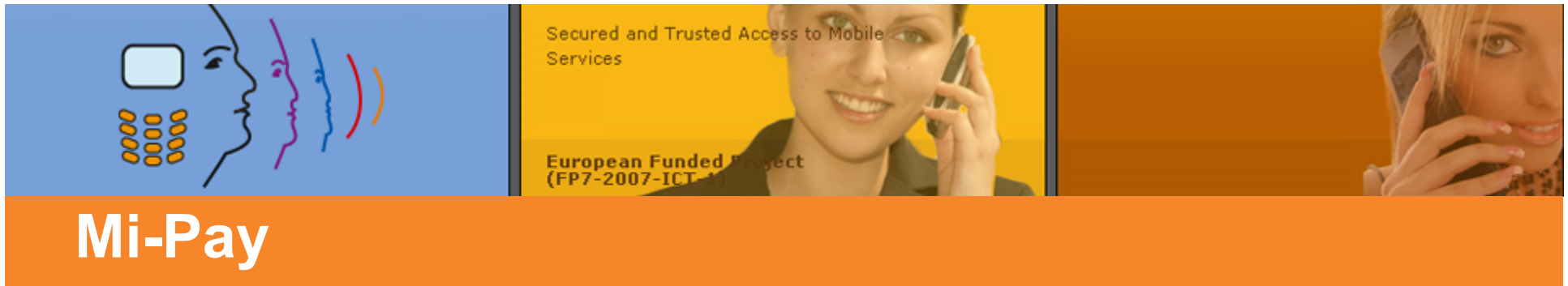
- Convenient computer access solutions
 - Incubated at IdeArk
 - Current products based on face recognition
- Contact through Sébastien and IdeArk
- Interest in state of the art biometry algorithms



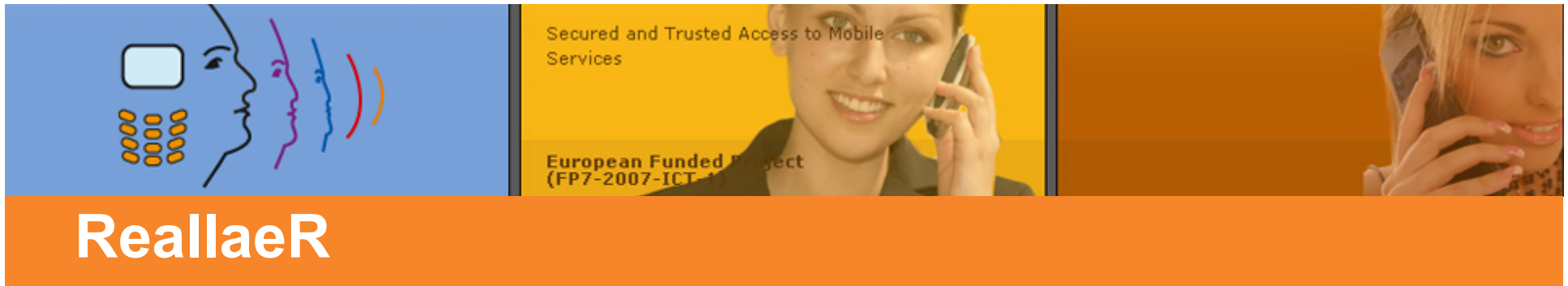
- Augmented reality -- products to link the real and the digital world through sophisticated image recognition technology
- Startup issued from a NCCR project where Idiap is coordinator
(NCCR: Swiss National Centres of Competence in Research)
- Interest in face sw



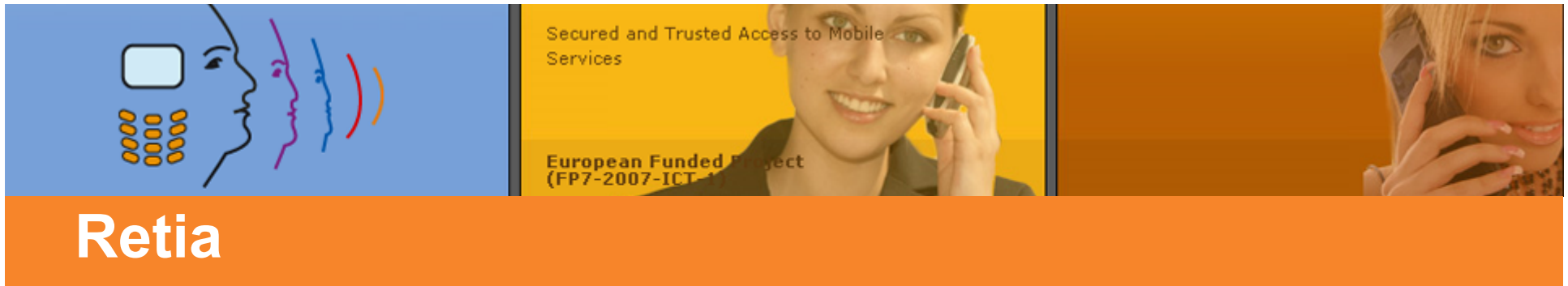
- Production and distribution of mobile content and applications
- Contacted through link platform
- Interest in new opportunities for mobiles



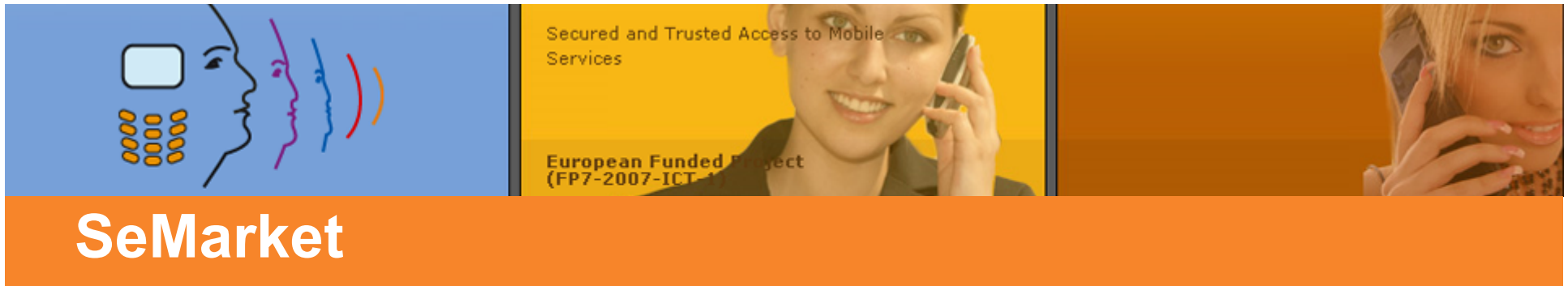
- Topup and m-payment solutions for mobiles
 - Has moved into mobile phone based banking, micro-finance and authentication.
 - Successful in the Middle East and Africa.
 - Good understanding of all mobile phone technologies including USSD, SMS and particularly mobile java development.
 - Located near the UNIS campus!
- Contacted after a MobileMonday event on m-payment
- Interest in voice recognition as a mean of identifying individuals and preventing fraud



- Creating virtual worlds (reflecting reality)
 - Expertise in technologies that add value to video imaging including augmented reality
- Contact of Sébastien
- Interest in real-time, automated facial expression recognition and software development for secure handhelds



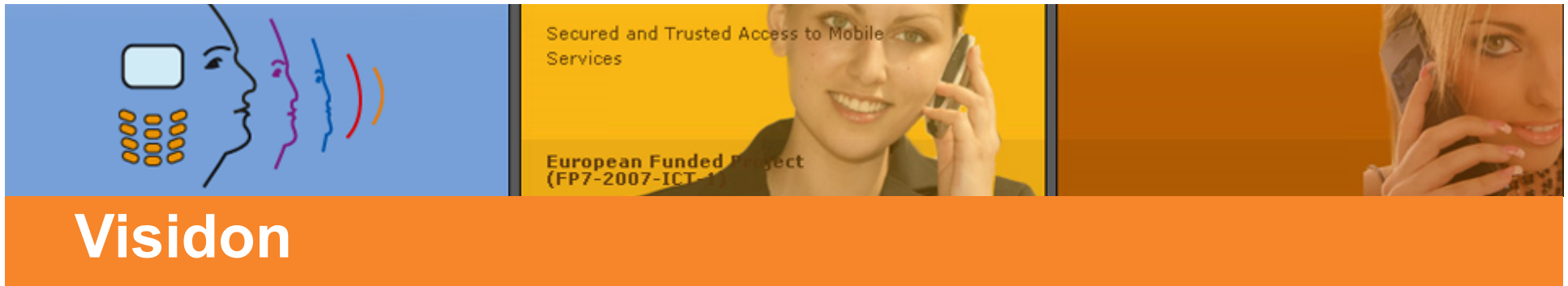
- Processing of voice communication, recording solutions
 - Product in radiolocation technology, image processing, systems for flight navigation, simulators, recording of sound and telemetric data, digitalisation of sound, real-time SW and HW applications
- Contacted through Honza (BUT)
- Interest in speaker authentication in calling records



- Identity Management : Biometrics & e-Signature
- Contact through Sebastian
- Interest in voice and face sw



- Biometrics institute
 - Established in order to improve the performance of the UK biometrics sector by facilitating the transfer of knowledge between stakeholders and by offering independent but informed advice about biometrics to industry, government and consumers
- They contacted us through MOBIO
- Interest in provide a link between the project and those with an interest in this research in the UK



- Advanced video processing solutions
 - Experience in several image and video analysis applications
 - General interest in mobile imaging solutions, face image processing, UI techniques
 - Specialised in face detection, face recognition, mobile software.
- Contacted via OULU
- Interest in state of the art information about mobile face image analysis

