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The BioP@ss project

The BioP@ss project targets the development of advanced (microelectronics and embedded SW) **secure and interoperable** smart card platforms for all needed e-administrative applications requested at European level (e-identity, but also e-health, Residence Permit,...). It will leverage on the results of the former Onom@Topic+ MEDEA+ project and especially reuse the open middleware architecture proposed by the Consortium partners and currently under approval by some standardization committees.

The prime applications targeted by the project are e-identity cards based on the European Citizenship Card (ECC) family of standards currently under finalization at the CEN, and the next generation of Electronic Passports / Residence Permit, in view of complying with the EU requirements that should come in force by end 2009. The BioP@ss consortium supports the approach of the European Citizen Card (ECC) which combines the benefits of standardization with the required flexibility to adopt to national requirements by introducing individual ECC-profiles. A specific goal of the project will be to make all efforts that solution components that will be generated in BioP@ss will comply to the ECC profiles that represent the French and the German implementation of the eID-card. It is nevertheless expected that the project application fields could cover other areas such as electronic health, electronic voting or electronic Residence Permit...

The project will capitalize of the former Onom@Topic+ HW and embedded results, and more especially on all the proofs of concept achieved so far in the area of advanced contactless interfaces ([VHDR], NFC,..), embedded biometric components, advanced modeling techniques, embedded [IAS] SW platforms. It will however introduce several key new technology elements, such as:

- **Contactless Power and Hard bricks optimization**

PMB contact: Jean Pierre TUAL jean-pierre.tual@gemalto.com
PTB Contact : Patrice PLESSIS patrice.plessis@gemalto.com
Web Master : Attila Kaposvari attila.kaposvari@compuworx.hu

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