



eEpoch

ROMA PILOT SITE



Presented by Massimo Diana



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ROMA PILOT SITE

- **INPS** - Istituto Nazionale della Previdenza Sociale
 - The Social Security Organisation
- **POSTECOM**
 - The Registration and Certification Authority
- **FINSIEL**
 - The IT partner



Institutional Tasks

INPS is the largest Italian public Institution in the social insurance field.

Institutional tasks to the most part of categories of Italian workers:

- management of personal insurance contributions and positions;
- settlement, payment and management of pension and other social benefit (unemployment benefits, salary integration, family financial support, disease and maternity allowances, ...).

INPS collects contributes (about 2 millions of registered enterprises) and provides pensions and other benefits to employed and self-employed workers (manual work, trade, agriculture), as well as to domestic workers and other categories (about 20 millions of benefits paid each month by telematics means).



1st Conference



EI Escorial, 13 february 2003



in Italy



INPS offices are located all over the national territory.

The geographic network provides connection to:

- about 600 LAN as many as the INPS offices located on the national territory;
- ministries, municipalities and Institutions;
- about 1200 mobile users by means of a VPN (Virtual Private Network) service;
- all the Italian banks for the payment of pensions and benefits;
- about 300 self-service desks also located outside the INPS offices (Post-Offices, Municipalities, ...)

The INPS front-office extends to 240 Italian consulates in the world.



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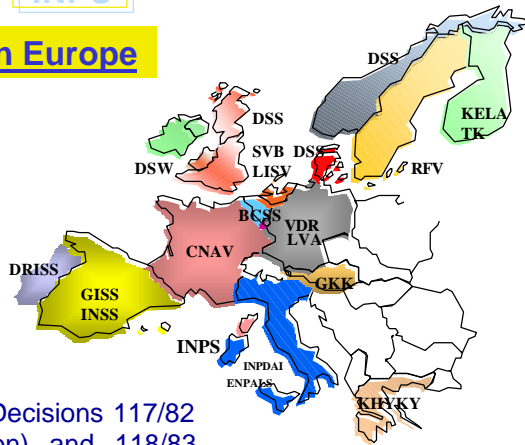


in Europe

INPS is heavily involved in the **TESS Project** (Telematic in the Social Security – funded by IDA 2 Programme) for European exchanges of E-forms.

INPS acts as:

- Designated Body in applying Decisions 117/82 (migrant workers registration) and 118/83 (international career collecting);
- Forwarding Point in applying Decision 158/96 (pensions claims).



in Europe



Advanced Cooperation with German Institutions VDR and LVA Schwaben

- Intranet connection in place through **TESTA II** European network;
- e-mail (Lotus Notes) between clerks;
- “Hermes” messages (Lotus Notes) between Offices;
- Reciprocal query on database (online access to career and pensions).



POSTECOM

Postecom is a fully owned company of Poste Italiane Group, the national post operator. Postecom develops and manages postal and financial e-services over the Internet.

The main products and services that Postecom is providing to its customers are based on a PKI, which is the core of the Certification Authority services for the generation and management of digital certificates. Postecom, as Certification Authority, has been enclosed in the "Public List of CAs" by AIPA (IT National Authority).

Postecom has been assigned by tender of building up and managing a PKI for the RUPA (Public Administrations Network) and related supporting services.

Postecom is also involved in IST TRUE-VOTE Project.

Postecom is constantly updated and participates to working groups in order to guarantee in Europe interoperability among CAs and certificates.



FINSIEL

FINSIEL, among the largest IT companies in Italy, has supported INPS and other governmental institutions designing and implementing on line services based on internet technology:

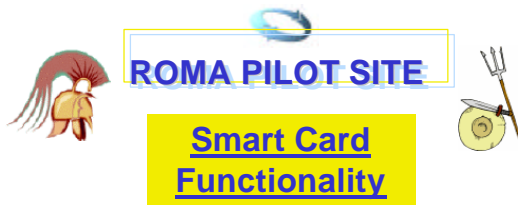
- has been involved in defining and implementing the national ID card, based on smart cards;
- has taken part at GINET (extranet lan among Minister Cabinets, with users authentication based on smart cards);
- has been a relevant role in the Netlink Project aiming at the usage of interoperable Health Card;
- is also involved in Italian Municipalities Projects, about distribution of services using smart cards (Siena, Venice).



The Roma Pilot Site aims to define a Smart Card:

- compliant with CNS - National Smart Card of Services
- compatible with the level of interoperability agreed in the e-Epoch Project

Due to the fact that the digital signature certificate compliant with Italian CNS specifications will be supported for authentication, the result of Roma pilot site is expected to be fully interoperable with Bologna pilot site.

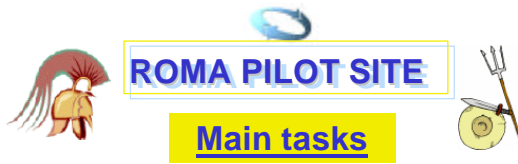


The smart card functionality that will be set up in the pilot, is the authentication; it will be used to access at INPS on-line services, actually available by userid and password

The PKI Infrastructure of Postecom is designed to produce smart cards centrally or locally managed

The reader equipment is installable on the most of the OS (W95, ME, 2000, NT, XP)

Smart card is accessible both through the PKCS#11 layer (standard for the cryptographic applications) and also through the layer CSP, to the crypto API of Windows for the applications like Explorer or Outlook



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Main tasks

The steps that are currently performed within the pilot time-frame are:

- to focus the on-line services to be delivered in the Pilot, European citizens oriented
- to define the right interoperability between smart cards functionalities
- to identify the organisation issues for the pilot, including the selection of the group of card holders and the provisioning procedure
- to set up the necessary technical infrastructure



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Users

A target group of 500 users will be involved in the pilot, already using consolidated services by userid and password.

Smart cards and card readers will be issued and distributed according to the class of selected user. This distribution, all over the national territory and abroad, will be possible using three different way: Post offices, INPS local offices and Italian Consulates.

The target group (selected on a voluntary basis) would reflect the population of INPS associates: insured workers, pensioners, freelance or cooperating Institutions clerks who are resident in the defined pilot area, in Italy and abroad.



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Services



The on-line services actually delivered by INPS over internet include:

- statement of personal contributory record;
- provisional pension calculation;
- pension claim status;
- filling in and submission of e-forms.

Additional services to be likely delivered in the medium term are:


- online multilingual services to foreign operators and citizens;
- payment of contributions by credit card.



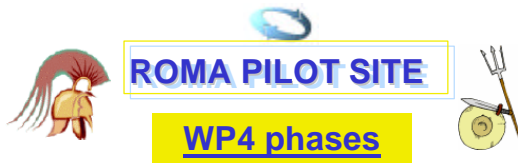
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Access via Smart Card



Actually, INPS is committed to distribute via Internet  **net.inps.it** a large number of on-line services to both citizens and cooperating Institutions in Italy and abroad (i.e. Social Security Institutions in other MS or Italian Consulates in the world).

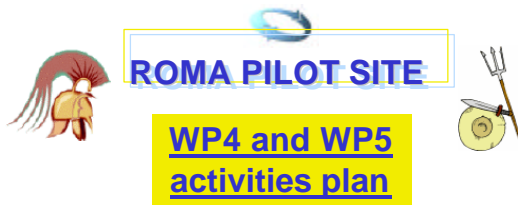
The access via Smart Card will be controlled by the same INPS large system that actually operates https to welcome the request of connection through internet, to identify the operator connected via userid and password, to verify in the specific profile the authorization for operating and finally to start a VPN on-demand session with the client to establish a secure channel of communication.



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WP4 phases

- Set up pilot site:
- Technical and functional analysis;
 - Users and services definition
 - Integration between Services and Smart Card;
 - Users Registration;
 - Distribution of Cards and readers (PKI component).
- Demonstration:
- Technical Assistance;
 - Monitoring.



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WP4 and WP5 activities plan

ID	Activity	From	To	2003												2004												2005
				01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	01
1	WP4	lun 03/02/03	ven 30/07/04	[Gantt bar]																								
2	T4.8 Rome Demonstration	lun 03/02/03	ven 30/07/04	[Gantt bar]																								
3	T4.8.1 Set up Pilot Site	lun 03/02/03	ven 27/02/04	[Gantt bar]																								
4	Technical and Functional Analysis	lun 03/02/03	ven 29/08/03	[Gantt bar]																								
5	Users and Services Definition	lun 01/09/03	ven 31/10/03	[Gantt bar]																								
6	Integration Services and Smart Cards	mer 01/11/03	ven 27/02/04	[Gantt bar]																								
7	Users Registration	lun 03/11/03	ven 27/02/04	[Gantt bar]																								
8	Distribution of Cards and Readers	lun 03/11/03	ven 27/02/04	[Gantt bar]																								
9	T4.8.2 Demonstration	lun 01/12/03	ven 30/07/04	[Gantt bar]																								
10	Technical assistance	lun 01/12/03	ven 30/07/04	[Gantt bar]																								
11	Monitoring	lun 01/12/03	ven 30/07/04	[Gantt bar]																								
12	WP5	gio 01/07/04	mar 31/08/04	[Gantt bar]																								
13	T5.6 Rome Pilot Assessment	gio 01/07/04	mar 31/08/04	[Gantt bar]																								



Interoperability issues a point of view

- **CAs** (Cross Certification, CRL Lists, etc);
- **Certificates**;
- **Smart Cards hw/sw**;
- **Services**:
 - citizen oriented - informations available for citizens in Europe (i.e.: statement of personal contributory report, foreseen pension calculation, etc);
 - clerk oriented - services issued to clerks of cooperating Institutions (i.e.: registration of workers, contributory report, etc).

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INPS

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