CNRS CA

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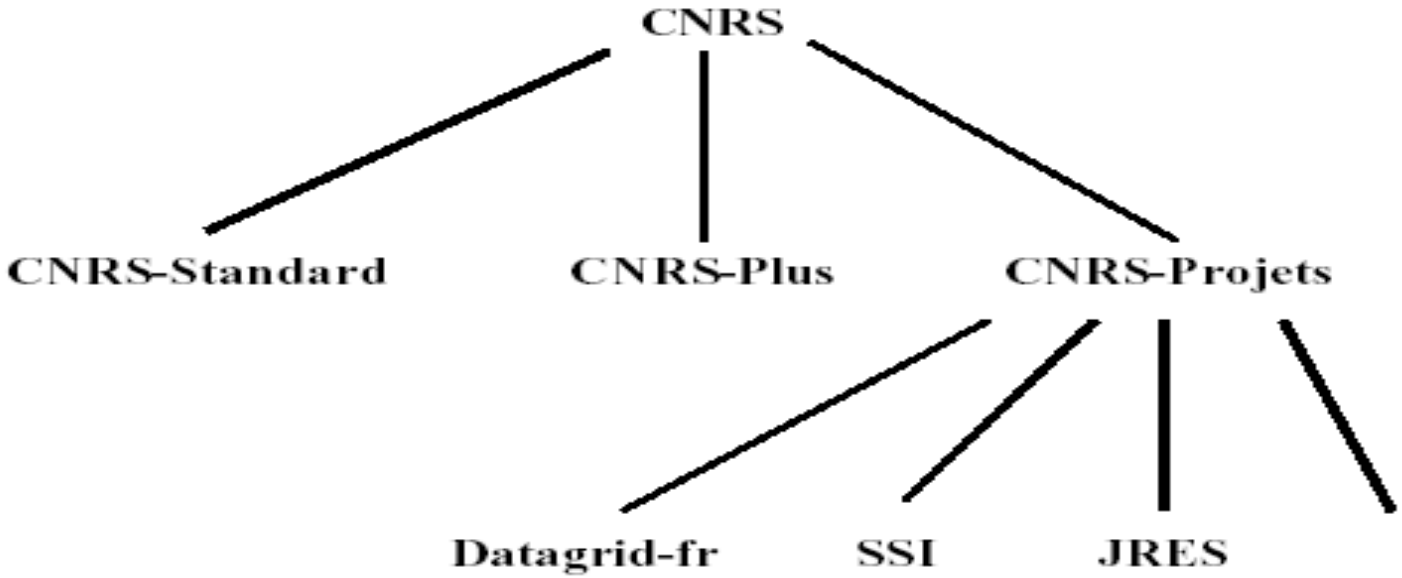
Overview of the CNRS CA

- Every week around 30 certificates are issued by CNRS CAs
- Future : Each CNRS people will have a certificate (around 24000)



- Subject of certs:

/C=country/O=institute/OU=unit/CN= First name Last name/Email=email-address

/C=CH/O=SIB/OU=LAUSANNE/CN=John Smith/Email=J.Smith@sib.ch

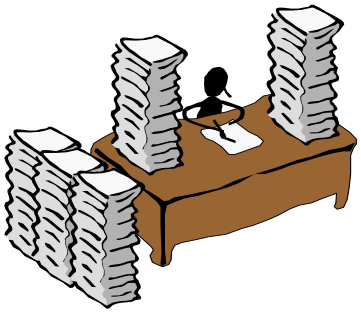
Status of the sub-CA Datagrid-fr

- Issued certificates for 49 units
  - 22 units of the CNRS
  - 21 others institutes from
    - France
    - Roumania
    - Korean
    - Taiwan
    - Japan
    - Croatia
    - Switzerland
    - Italy
    - Slovakia
    - Israel
    - India
  - Soon China
  - 4 EDG Tutarials

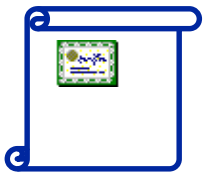
Process to renew certificates

1. User receive an email **two months before** the expiration of his certificate
   - He reply to this email "**agree** to renew my certificate"
   - Or "**refuse** to renew my certificate"

2. Registration Authority receive an email to verify the request
   - The RA **accept** the request → the certificate is renewed
   - The RA **refuse** the request → the certificate expired



3. The user receive his new certificate with the same DN
4. The key pair is re-genered by user browser



CA software

- CNRS CA distributes his PKI software
  - Contact me to get it