Single Point of Access (SPA): A Service Hub for a Remote Access Network

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Introduction

• The European “Data without Boundaries” project aims to improve the access to confidential microdata.

• A European Remote Access Network (EuRAN) should ease data access.

• The main component of this network is a Single Point of Access (SPA).
A European Remote Access Network (EuRAN)
EuRAN and the Single Point of Access (SPA)

• EuRAN connects researchers from all over Europe with European research data by offering a secure data access environment.

• The main advantage, in comparison to usual remote access solutions, is the Single Point of Access (SPA) that joins individual data access connections.

• Having such a SPA in place enables the establishment of a variety of services to support researchers, research teams and data providers.
The SPA – technical setup

Access point - Interfaces – Storage point

Applications / Databases

User Authentication

Digital rights management

Information platform

Tools (e.g. editor, wiki, statistic software)

Data Access (remote desktop, job submission)
The SPA – researcher view

- Single Point of Access
  - User Management
    - Virtual Research Environment
      - Information Platform
      - Tools
      - Data Access
      - And more...
Requirements for SPA implementation

- Harmonized secured connection interfaces (e.g. Citrix)
- Customized applications (for IT environment and for researcher needs)
- A highly detailed Role System to cover different data security needs
- Running infrastructure/Trusted host/IT Maintenance
- Contracts and common understanding
Achievements for Future Research

- Nearby access points for different data sources
- Harmonized application processes
- Improved team research across different institution and countries
- Improved user management for access facility staff
- Extendable infrastructure
Thank you for your attention!

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