

4th Workshop on Data Access (WDA)

26 MARCH 2012

LUXEMBOURG

**Decentralised and Remote Access to
Confidential Data in the ESS
DARA**

Overview and State of the Art

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Outline



1. Introduction

2. ESSnet DARA - Implementation of a pilot

3. Current State of Play / Future Work

4. Questions for WDA

5. Outlook

1. Introduction

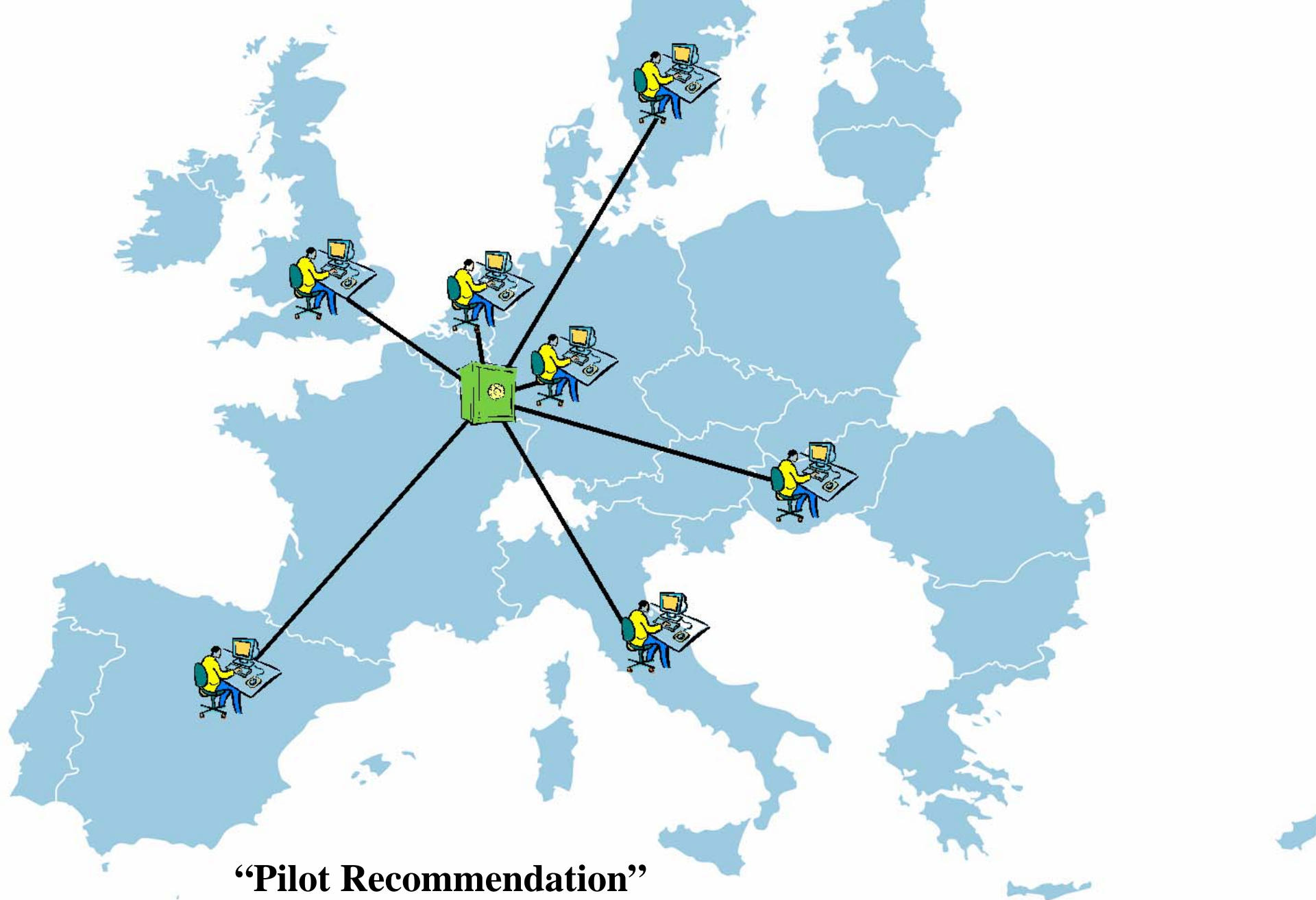


- **by now: increasing demand for microdata**
 - **access to national datasets in MS**
 - **access to 12 community statistics via Eurostat**
 - **ECHP (European Community Household Panel)**
 - **LFS (Labour Force Survey)**
 - **CIS (Community Innovation Surveys), ...**
- **request for original microdata (without direct identifiers)**
 - **for community statistics: access only via safe-centre in Luxembourg**
 - **barrier due to local constraint**
 - **idea: network of national safe-centres**

1. Feasibility study „Decentralised Access to EU microdata sets“



- **Feasibility study of setting up a network of safe-centres for decentralised access to community statistics**
- **ways of access to microdata throughout EU-countries**
 - is an implementation possible?
 - framework requirements
- **international Partners**
 - Office for National Statistics, UK
 - Centraal Bureau voor de Statistiek, Netherlands
 - Istituto Nazionale di Statistica, Italy
 - Hungarian Central Statistical Office, Hungary
 - Statistical State Office, German Federal State NRW
 - Federal Statistical Office, Germany
- **start: 1st February 2009; end: 31st January 2010**



“Pilot Recommendation”

2. Implementation of a pilot: ESSNET “DARA”



ESSNET on “Decentralised And Remote Access to confidential data in the ESS” (DARA)

- **Goal: Implementation of a remote access pilot from NSI Safe Centres to the community statistics at Eurostat**
- **Project has started in October 2011, Duration: 24 months**
- **Partners**
 - **National Institute of Statistics and Economic Studies, France**
 - **Hungarian Central Statistical Office, Hungary**
 - **Office for National Statistics, United Kingdom**
 - **Instituto Nacional de Estatística, Portugal**
 - **State Statistical Institute Berlin-Brandenburg, Germany**
 - **Federal Statistical Office, Destatis, Germany (co-ordinator)**


2. Planned action



- **Project is divided into two parts:**
 - 1) Administrative, organisational and preparing phase**
 - 2) Implementation phase where the connection of NSI's safe centres via remote access to the remote access system at Eurostat (VIP-SICON) shall be executed and tested**

2. Overview WPs



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- A vertical blue line with a downward-pointing arrow at the bottom. Along this line are six square icons, each containing a network diagram of blue nodes and connecting lines. These icons are positioned to the left of each work package description.
- WP 1** Documentation and workflow
 - WP 2** Concept of technical implementation and safety requirements
 - WP 3** Cost benefit analysis
 - WP 4** Implementation of remote access - case study
 - WP 5** Communication and dissemination to the ESS
 - WP 6** Project management

2. Tasks



- **WP 1) Documentation and Workflow**
 - Define rules and standards for data access
 - Draft of a request form for data access
 - Compile a manual for NSI regarding workflow when data access is requested
 - Documentation and communication

- **WP 2) Concept of technical implementation and safety requirements for remote access**
 - Define client requirements, authentication process and accreditation
 - Clarify role of NSI (workflow and process)
 - Define input/output checking process (who, where ...)
 - Possible operability of different systems and interfaces
 - Integration of existing systems
 - Test procedure: check-list of security verification (from client to host)
 - First testing phase for the connection from NSI to SICON

2. Tasks



- **WP 3) Cost benefit analysis**
 - Based on the cost template of the former project
 - staff planning (rates each qualification/grade)
 - breakdown on strategy and operational costs
 - breakdown on fixed and variable costs
 - number of projects, IT costs
- **WP 4) Implementation of remote access - case study**
 - Define all the necessary elements needed to implement a pilot (hardware, software, organisation, use-cases)
 - Implementing a pilot in one country and evaluate it
 - Extend the pilot to 2 or 3 other countries for evaluation purpose (double-output checking, workflows...)
 - Organise a security audit of each process
- **WP 5) Communication and dissemination to ESS**
 - Upgrading and update of project website
 - Presentation of results on project website and conferences
- **WP 6) Project management**

3. Current State of Play / Future work



- 1st and 2nd project meeting in Wiesbaden and Paris
- List of user requirements for remote access system drafted by the DARA project team
- Discussion of details for connection to SICON System
- **Right now:** Testing the connection via sTESTA in NSIs
- **Right now:** → Preparation of first testing phase
- **Right now: First successful connection from NSI to CITRIX system in EC**

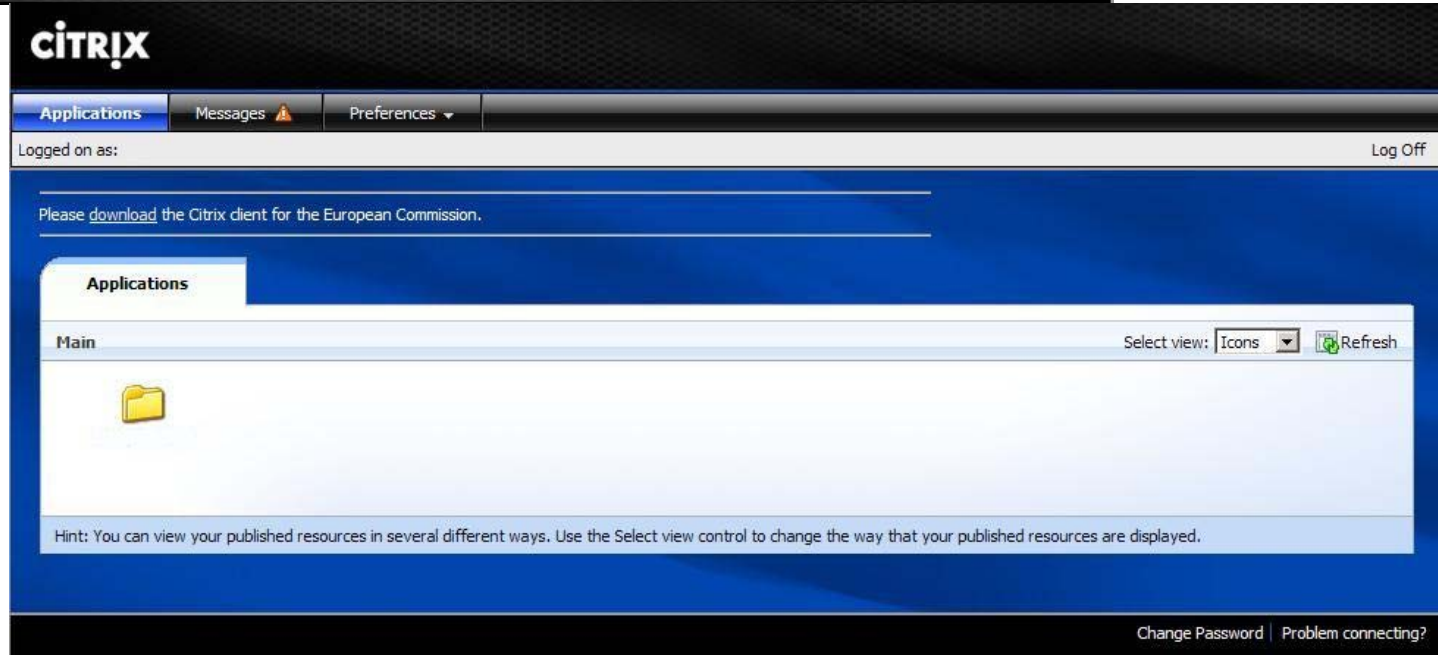
3. Current State of Play / Future work



Step 1
Login



Step 2
Choose your
application



3. Current State of Play / **Future work**



- **Finalizing the list of user requirements during the first testing phase**
- **Development of a testing plan to evaluate the usability of SICON System**
- **Presentation of the DARA project at the 1st European Data Access Forum in Luxembourg by the end of march**
- **Harmonizing goals and developments with DwB**
 - **Both projects do not aim at developing single, competitive or non compatible solutions for RA in Europe**

4. Questions for WDA



- **Recommendation for a Remote Access Working Platform**
- **Do you have special requirements for a secure connection?**
- **Do you allow access from „everywhere“ or only from certified access facilities?**
- **Are there any legal restrictions in your country which prevent the possibility of RA?**
- **Ways of dealing with output checking**
- **Change of user demands in direction of RA → capacity**

5. Outlook



- **Implementation of „pilot“ needs to be linked with other ESSnets and Projects**

- 🖱 [VIP-SICON project](#)
- 🖱 [§ Revision of EC Regulation 831/2002 §](#)
- 🖱 [Data without Boundaries \(DwB\)](#)
- 🖱 [EuroGroups Register \(EGR\)](#)
- 🖱 [ESSnet on SDMX](#)
- 🖱 [OECD Working Group „Microdata Access“](#)
- 🖱 [Workshop on Data Access \(WDA\)](#)

5. Outlook



- **There are still issues that need to be solved, like:**
- **Metadata**
 - **Ongoing discussion on standardisation**
- **Share of costs**
 - **Eurostat supports?**
 - **Self-financed?**
 - **User covers costs partly?**

Thank you for your attention

Decentralised and Remote access to Confidential Data in the ESS:

<http://www.safe-centre.eu>

Eurostat ESSnet Projects:

<http://www.essnet-portal.eu>

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