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„Decentralised and Remote Access to Confidential Data in the ESS“

ESSnet DARA

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Outline

1. Introduction

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3. First results

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1. Introduction

- Increasing demand for statistical microdata
  - Access to national datasets in Member States
  - Access to 6 EU statistics via Eurostat

- Request for detailed confidential microdata
  - For European statistics: access via Safe Centre in Luxembourg
  - Very high barrier due to local constraints

- Feasibility study: “ESSnet on Decentralised Access to EU microdata sets” (2009-2010)
  - Idea: set up a secure network of national Safe Centres
2. Content of ESSnet DARA

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

- 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 Estatistica, Portugal
  - State Statistical Institute Berlin-Brandenburg, Germany
  - Federal Statistical Office, Destatis, Germany (co-ordinator)

- Funded by the European Commission (70%)

- Task: Implementation of a pilot of a Remote Access connection from NSI Safe Centres to the EU statistics at Eurostat
Model for the Pilot
2. Challenges of secure Remote Access

- Major goal is to offer a highly secure Remote Access platform that data producers can trust:
  - strong user authentication based on certificate
  - Prevent any data leak: no one can extract data from the system

- Ease access and usage for researchers despite high security
  - Provide a complete environment with scientific and editing software and with powerful processing power
  - The solution should be easy to deploy
3. First results

- Draft manual for Safe Centres / MS / Eurostat
- Draft manual for scientific community / users of microdata
- List of user and safety requirements for an European Remote Access System
- First established connections between MS and Eurostat

**Right now:** → Preparation of first testing phase

- Testing the secure connection via “Secure Trans European Services for Telematics between Administrations” (sTESTA) and “European Commission authentication service” (ECAS) in NSIs
- Different solutions for an ESSnet DARA Remote Access infrastructure
4. ESSnet DARA Remote Access infrastructure for the pilot Eurostat Options:

- A CITRIX Virtual Desktop Infrastructure implementation in EUROSTAT within SICON with a WEBGATE access
- Use of a reconfigured CITRIX Virtual Desktop Infrastructure presently implemented in DG DIGIT with a sTESTA access
- An EUROSTAT specific CITRIX Virtual Desktop Infrastructure implementation in DG DIGIT with a sTESTA access
- A WINDOWS operating system related solution based on Windows Terminal Server coupled with other software
- A LINUX operating system related solution
- The decision and implementation will need some more time
4. Short term Remote Access solution

- As long as the VIP-SICON system is not ready to use, we implement a short term alternative pilot for testing purposes only
- A network only between MS with one MS as central node
- This pilot will be done for a practical test of the workflow and to gain experience to establish IT-infrastructure between MS
4. IT infrastructure for Remote Access
Description of the ESSnet DARA pilote until the Eurostat final implementation
5. Outlook

- Pilot test of ESSnet DARA alternative solution until the Eurostat final implementation
- Test of Eurostat implementation
- Open-ended evaluation of the results
- Recommendation of future implementation of Remote Access based on the project outcome
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.cros-portal.eu

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