

The ESSnet Big Data II

Kick-off Implementation

Peter Struijs – Vienna – 3 December 2018



Statistics
Netherlands

Overview

- ESSnet Big Data I
- ESSnet Big Data II
- Implementation Track
- Objectives of the kick-off meeting

Partner Countries of the ESSnet BD I



Pilots of the ESSnet BD I

List of pilot projects

- Web scraping (2 work packages)
 - job vacancies; enterprise characteristics
- Smart meters
 - electricity consumption; temporary vacant dwellings
- Automatic Identification System (AIS)
 - vessel identification data
- Mobile phone data
 - preparing for access to data
- Early estimates
 - various domains
- Multiple domains
 - population, tourism / border crossing, agriculture



Results ESSnet BD I

https://webgate.ec.europa.eu/fpfis/mwikis/essnetbigdata/index.php/Main_Page1



From the ESSnet BD I to the ESSnet BD II

Timeline:

- End of ESSnet BD I: May 2018
- Call for proposal: May 2018
- Proposal submitted: September 2018
- Evaluation of proposal: November 2018
- Start of ESSnet BD II: November 2018
- End of ESSnet BD II: December 2020

Partner Countries of the ESSnet BD II



ESSnet BD II: 28 Partners

In red: new partners

- 20 NSIs with reimbursement
 - AT, BE, BG, DE, DK, EE, EL, ES, FI, FR, IT, **LT**, NL, NO, PL, PT, RO, SE, SI, **SK**
- 3 NSIs without reimbursement
 - CH, IE, UK
- 5 other partners
 - DE:
 - **BBB: Office for Statistics Berlin-Brandenburg**
 - **HSL: Hesse Statistical Office**
 - FI:
 - **LUKE: Natural Resources Institute Finland**
 - FR:
 - DARES: from Ministry of Labour, Employment, Vocational Training and Social Dialogue
 - **SSP: from Ministry of Agriculture, Agrifood Industry and Forestry**

ESSnet BD II: Track 1 of 3

Track 1: Implementation

- Online Job Vacancies (11 partners)
- Enterprise Characteristics (8)
- Smart Energy (4)
- Tracking Ships (3)
- Process and Architecture (8)



ESSnet BD II: Track 2 of 3

Track 2: New pilot projects

- Financial Transactions Data (6)
- Earth Observation (9)
- Mobile Networks Data (9)
- Innovative Tourism Statistics (8)
- Methodology and Quality (6)



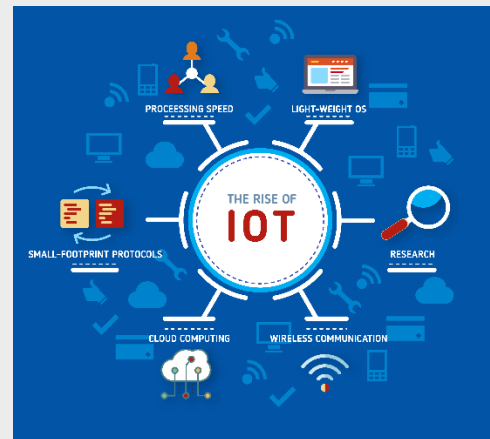
10

ESSnet BD II: Track 3 of 3

Track 3: Preparing Smart Statistics

- Smart Farming, Smart Cities, Smart Devices, Smart Traffic (12)

Duration: 12 months



Overview of Work Packages

WP	WP name	WP leader	Country
WPA	Coordination and Communication	Peter Struijs	NL
		Marc Debusschere (deputy)	BE
WPB	Online Job Vacancies	Tomaž Speh	SI
WPC	Enterprise Characteristics	Galya Stateva	BG
WPD	Smart Energy	Arko Keskülä	EE
WPE	Tracking Ships	Anke Consten	NL
WPF	Process and Architecture	Monica Scannapieco	IT
WPG	Financial Transactions Data	Johan Fosen	NO
WPH	Earth Observation	Marek Morze	PL
WPI	Mobile Networks Data	David Salgado	ES
WPJ	Innovative Tourism Statistics	Marek Cierpiäl-Wolan	PL
WPK	Methodology and Quality	Alexander Kowarik	AT
WPL	Preparing Smart Statistics	Natalie Rosenski	DE



Organization of the ESSnet BD II

- Workpackages
- Coordination Group
 - Meetings of all WP leaders
 - Meetings of implementation WP leaders
 - Meetings of pilot WP leaders
- Review Board: Lilli Japiec, Faiz Alsu hail, Anders Holmberg
- Communication: Marc Debusschere
- Administrative organization
 - Financial administration
 - Reporting arrangements
 - Project secretary: Martin van Sebille

Track 1: Implementation

- Aim: Functional production prototypes related to statistics on:
 - Online job vacancies
 - webscraping
 - multiple sources
 - collaboration with Cedefop
 - Enterprise characteristics
 - webscraping
 - multiple sources
 - enrich business registers
 - Smart energy
 - using smart meter data for statistics production
 - e.g. energy consumption patterns
 - Tracking ships
 - maritime and inland waterways statistics
 - environmental statistics
- Building on results of ESSnet BD I

Track 1: Horizontal Issues

Process and Architecture (WPF)

- Reference architecture(s)
- Production process issues
- IT infrastructure and tools

Methodology and quality (WPK)

Objectives of the Kick-off Meeting

- Exchange on the implementation projects:
 - What are the concrete plans?
 - What are the approaches?
- Establishing common ground between implementation projects
- Interaction with WPF:
 - Providing input to WPF
 - Benefiting from horizontal approaches
- Getting to know one another



Questions?

Thank you for your attention!



p.struijs@cbs.nl