New Methods of Data collection

High level Seminar on Modernization of Statistical Production and Services

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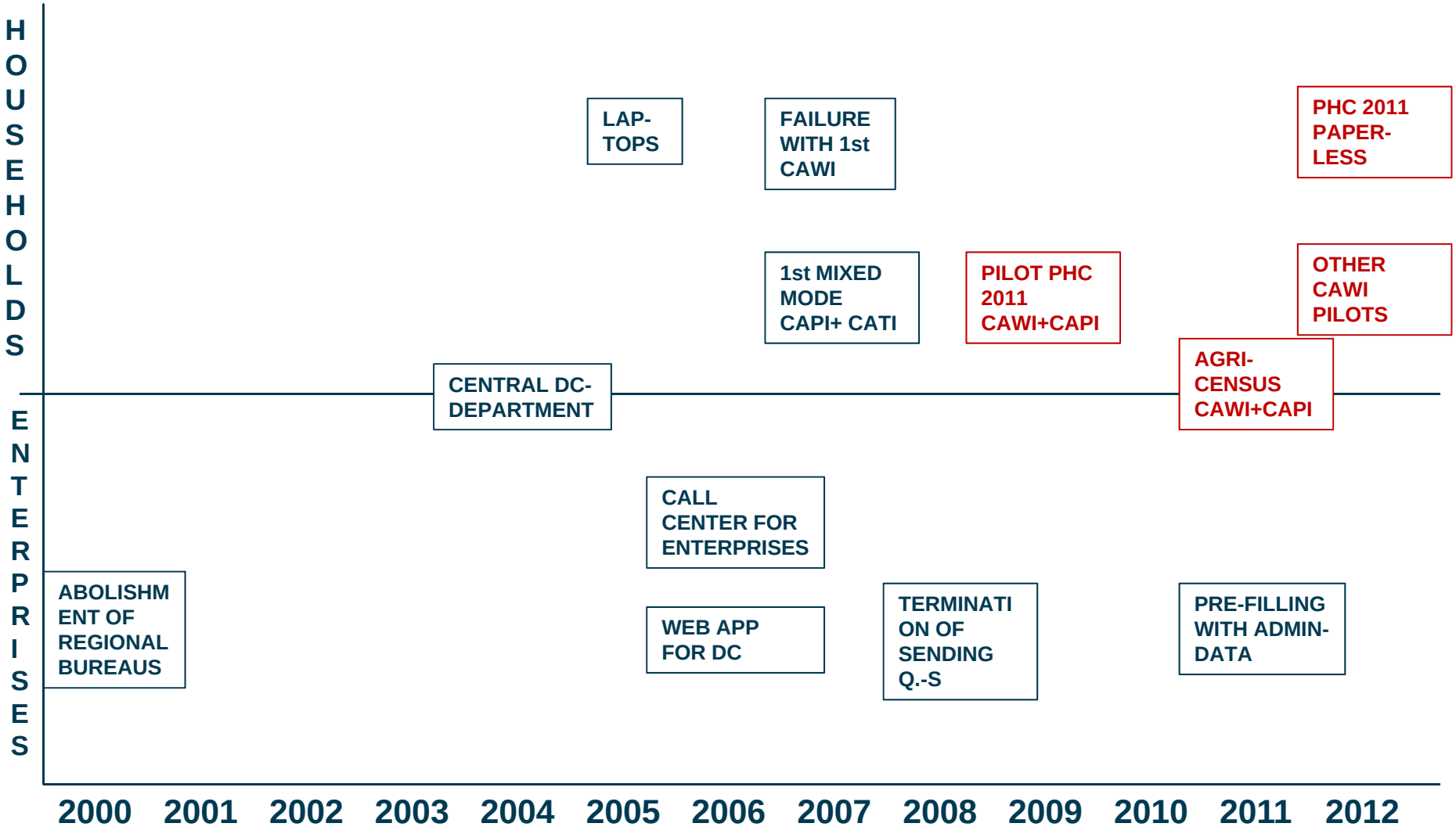
Content

- Strategic drivers of data collection in NSI’s
- Big change 2000 – 2012. New methods, use of new technologies, new organizational setup
- Main results, learning's
- Census 2011 as encouraging experience
- Next steps in data collection

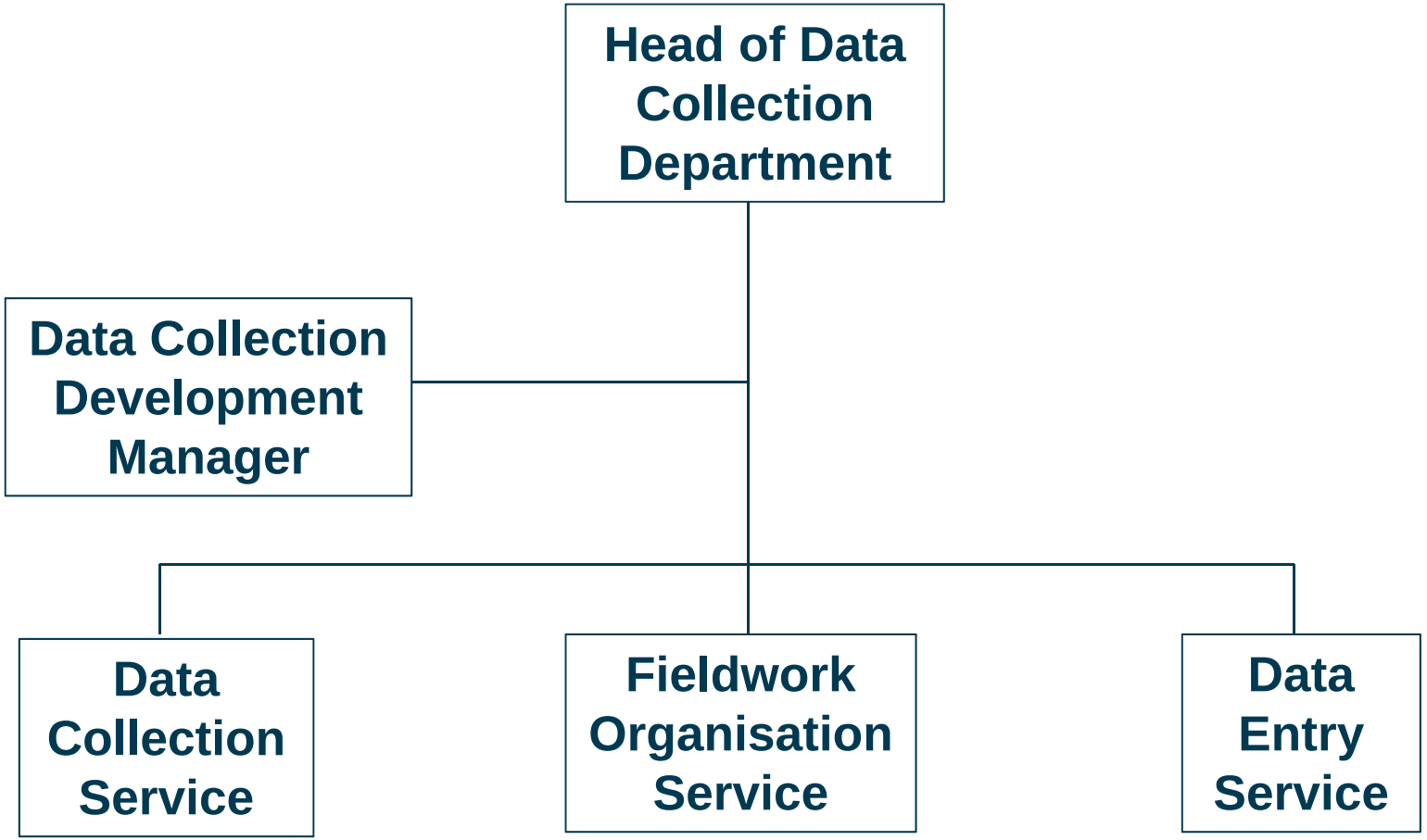
Strategic drivers. Conclusions of 2011 UNECE CES on Data Collection

- Multi source & Mixed mode strategy
- GSBPM
- Rapid growth of web-based data collection
  - Efficiency gains for NSO
  - Improved timeliness level of detail
  - Modern service expected from suppliers
- Databases are in different formats, need to establish central repositories, need for standardized global exchange of (micro-, meso- and macro) data.
  - SDMX initiative

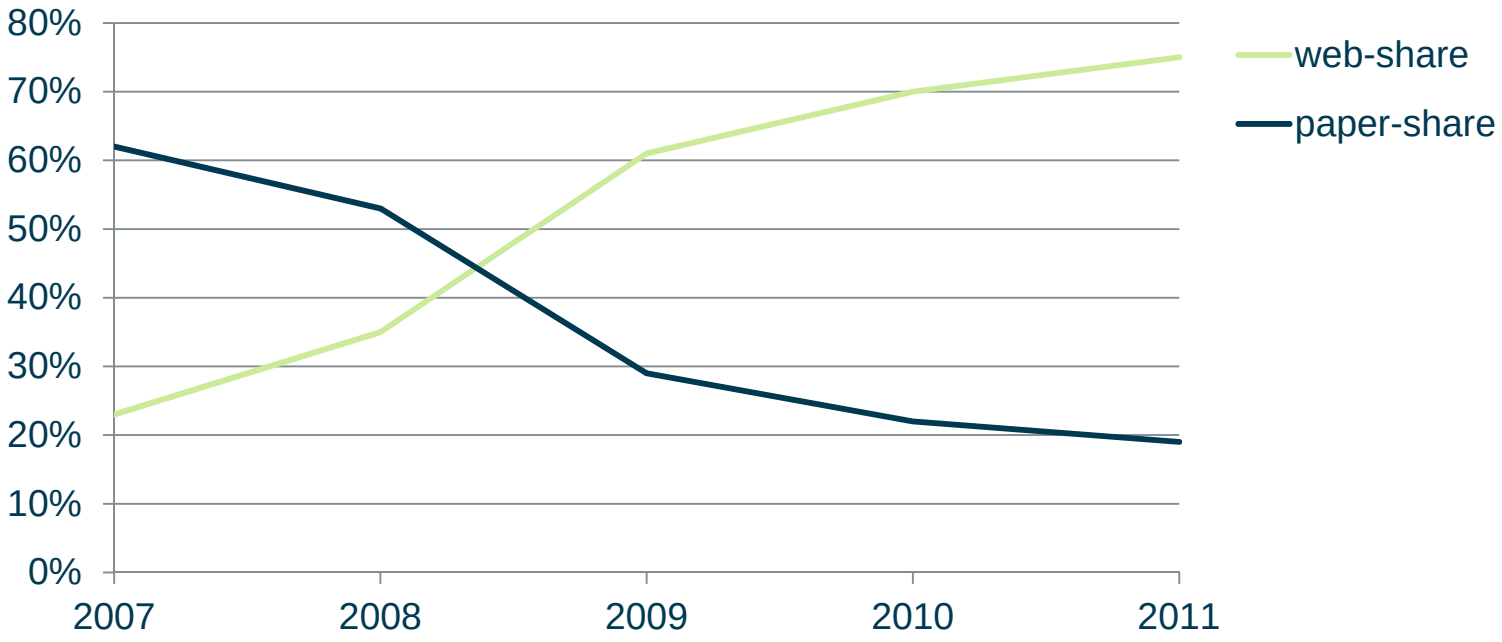
Main milestones 2000-2012 in Data Collections Statistics Estonia



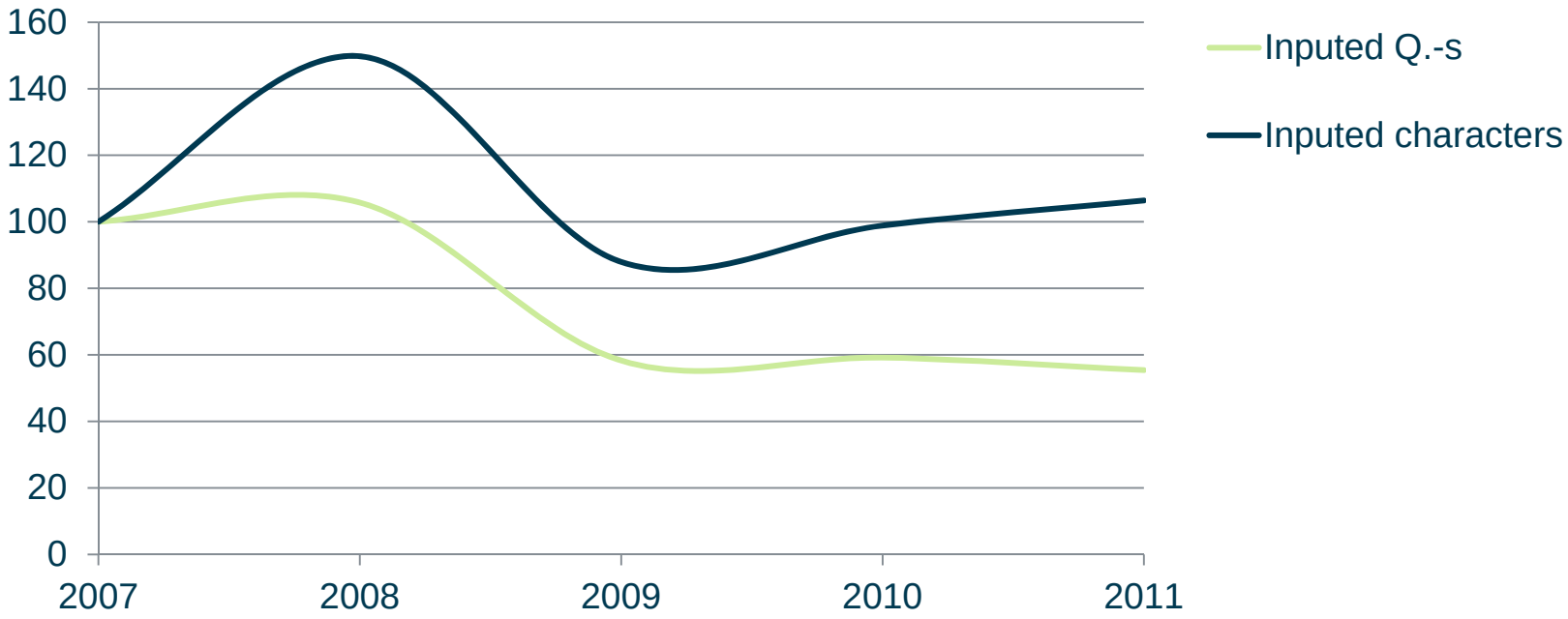
Centralized structure, DC-process and skill



Share of web and paper based reporting in SE



Efficiency gain: Change of annual workload per entry clerk 2007=100



Learning cases from centralization

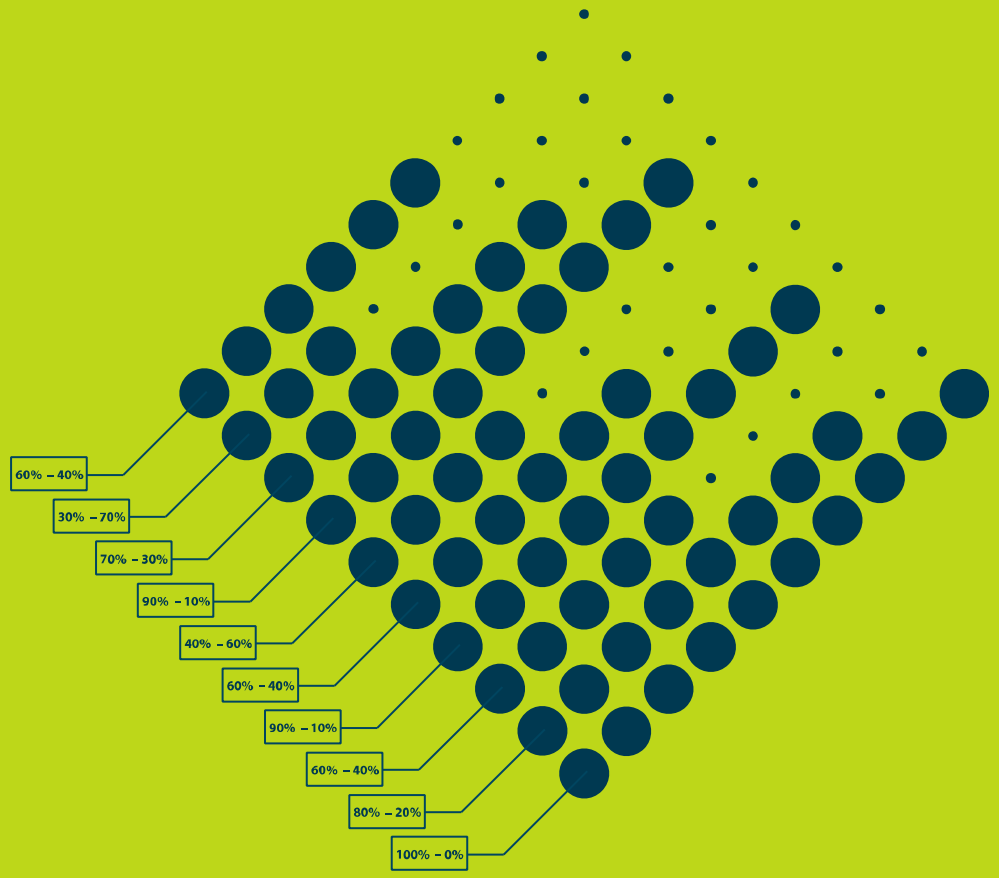
- Focusing on synergies instead of differences, between SMU's, some middle term tensions
- Strategy of DC is only one part of the big picture
  - Data mining and use of admin. data
  - Metadata systems and quality control
  - DWH, reuse of admin. data
  - Statistical registers
- Preparation of questionnaires – centralized
- Creation of a list of input variables, requires significant effort

PHC 2011: 1st and biggest CAWI+CAPI for households

- 66 % CAWI – response rate. CAWI = main driver of positive attitude of respondents
- Data quality (preliminary assessment) even higher in Web
- Extensive over coverage to be eliminated (unique ID-number)
- Switching from CAWI to CAPI not easy
- Testing, incl. load testing, is vital, but real life still cannot be foreseen
- PR, social media extremely important

Further development (next practical steps)

- Introduction of CAWI as the main data collection method for surveys on individuals (2013)
- Introduction of CATI for data collection from both types of respondents: economic entities and individuals (step by step, starting from 2012)
- Training of data suppliers (economic entities, individuals, registers, etc.), incl. about their personal and public gains
- Simplification of statistical reports (harmonisation of concepts, deadlines, practices, etc.)
- Development of infrastructure for selling data collection services



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