Generations & Gender Panel Study: Implementation of GGP in Belgium

Presentation prepared for the 5th meeting of the GGP International Working Group, Ljubljana, Slovenia, 18-20 January 2007

Karel Neels (VUB), Martine Corijn (SVR), Patrick Deboosere (VUB), Hannelore Van Der Beken (SB)
**Resources**

**Funding for Data Collection**
- Federal Government
- Flemish Region (SVR)
- Walloon Region (IWEPS)
- In principle, resources for 3 Waves of data collection secured

**Funding for Scientific Support**
- Federal Science Policy (AGORA-programme)
- 3 FTE from December 2005 until June 2010 (preparation of 2\textsuperscript{nd} wave)
- additional 2 FTE during Wave 1 data collection
- call for research proposals based on GGS in future?
Partners in GGP: Statistics Belgium (SB)

Role in GGPS

- Survey Organisation in charge of implementation
e.g. Labour Force Survey (LFS), Survey on Income and Living Conditions (SILC)
- ICT-support for programming of CAPI-questionnaire
- Pool of trained interviewers (LFS, SILC,...) & tablets

GGPS-team

- Head: Lydia Merckx
- Data collection: Hannelore Van Der Beken
- Analysis: Patrick Lusuyne
- ICT: Daniel Rochtus, Jean-Paul Dionys, Jacqueline Ravez
Partners in GGP: Scientific Support

- **Vrije Universiteit Brussel** (coördination):
  Patrick Deboosere, Karel Neels

- **Universiteit Antwerpen**: Dimitri Mortelmans, Inge Pasteels

- **Université Catholique de Louvain-La-Neuve**
  Thierry Eggerickx, Godelieve Masuy-Stroobant,
  Jean-Paul Sanderson, Christophe Vandeschrick

- **Studiedienst Vlaamse Regering**: Martine Corijn, Edith Lodewijckx

- **Institut Wallon de l’Evaluation, de la Prospective et de la Statistique**
  Marc Debuisson, Françoise Vanderkeelen

- **Universiteit Gent**: Hilary Page, Ronan Van Rossem

- **Association pour le Développement de la Recherche Appliquée en Sciences Sociales**:
  André Lambert, Louis Lohlé-Tart
Calendar

- December 2005: Preliminary start of GGPS
- June 2006: GGP-team fully operational
- September 2006: AGORA Funding secured
- February-March 2007: Wave 1 Pilot Study in CAPI
- March-June 2007: Evaluation Pilot Study
  Fine-tuning of Wave 1 Questionnaire
  Wave 1 Sampling Design
- July-August 2007: Interviewer Training
- August-December 2007: Wave 1 Field Work
- In the course of 2009: Wave 1 Data available
- 2010: Data Collection for Wave 2
- 2013: Data Collection for Wave 3
Current State of the project:

Accomplished:

- International workshop on GGPS, ERFI, NKPS in January 2006
- Adaptation of the International Questionnaire to the Belgian context
- Transfer of data model for ERFI in BLAISE from INSEE/INED to Statistics Belgium
- Wave 1 Questionnaire translated in French (CAPI-transcription)
- Wave 1 Questionnaire translated in Dutch (CAPI-transcription)
- CAPI-version of Wave 1 Questionnaire
- Manuals for interviewers
- Sampling Design for Wave 1 Pilot Study

Work in progress:

- Questionnaire translation in English, German, Turkish (keywords),…
- Construction of Harmonized Data File
- development of Wave 1 Sampling Design
- PAPI Questionnaire (documentation)
- Contextual Data
Core Questionnaire & Optional Submodules

• **Core Questionnaire**
  - fully implemented
  - extension of routings
  - some additions

• **Nationality & Ethnicity**
  - partially implemented (questions on citizenship included)

• **Previous Partners**
  - fully implemented

• **Intentions of Breaking Up**
  - fully implemented

• **Housing**
  - very limited implementation
  - absence of variation for large number of variables (e.g. toilet,…)
  - detailed (contextual) information available from 2001 Census, Microcensus,…
Core Questionnaire & Optional Submodules

• **Situation in real-life**
  - no imputation from administrative records (e.g. for composition of HH)

• **Extensions of routings & filters**
  - small modifications
  - fertility: fertility of partner in case of same sex couples
  - partnership history:
    all relationships lasting at least 3 months
    not restricted to cohabiting partners (i.e. inclusion of LAT-relationships)
  16 spells in partnership history rather than 8
Core Questionnaire & Optional Submodules

- Extensions of routings & filters
  - age at transition if date of event is unknown
  - way citizenship was acquired
  - limitations for all HH-members
  - residence outside household (see INED)
  - problems with accommodation (see 2001 Census)
  - reasons for moving in next 3 years
  - date educational career ended
  - registered cohabitation as well as marriage
  - reasons for breaking up (partnership history)
  - fertility problems and treatments
  - temporary leave from professional activities
  - intentions of working part-time/full-time
  - SES (professional category, type of contract, sector,…)
  - pension savings (life insurance, funds,…)
  …
Target Longitudinal Population & Follow-up

- **Longitudinal Population**
  Residential, non-institutionalized population aged 18-79 at Wave 1

- **Follow-up of Longitudinal Population**
  - the population aged 79 and older will be followed up in Waves 2 & 3
  - even in the case of institutionalization (e.g. retirement homes, …)

- **Restoring cross-sectional representativeness in 2010 and 2013**
  - Longitudinal population is aged 21-82 in 2010 and aged 24-85 in 2013
  - Age-group 12-14 drawn in 2007
  - Age-group 15-17 drawn in 2007
  - Prior estimate of attrition using National Register
Sampling Frame

• **Sampling Frame:** National Register

• **Variables in National Register**
  - name
  - date of birth
  - sex
  - household characteristics (collective household, size, members, relation to RP,…)
  - address (statistical sector,…)
  - history of marital status
  - history of internal migrations
  - history of changes in nationality

• **List Frame:** Sample of Named Individuals

• **Target Wave 1 Sample Size:** N = 10,000
Stratification & Oversampling

- **Stratification**
  - by region: $N_{FLA}=4.800$, $N_{BXL}=2.000$, $N_{WAL}=3.200$
  - by sex and age (age-groups 12-14, 15-17, 18-44 and 45-79) within regions
  - results in 12 strata
  - no additional stratification by marital status
  - no additional stratification by household size

- **Oversampling**
  - Brussels is oversampled
  - no oversampling for members of the German-speaking community
  - no oversampling for members of ethnic minorities
Follow-up & Monitoring Panel Attrition

- **Tracing longitudinal population:**
  - list of Wave 1 respondents is kept at SB throughout observation period
  - history of internal migrations in National Register

- **National Register: monitoring selectivity:**
  - cross-sectional: characteristics of non-response at Wave 1
  - histories in National Register allow to monitor selectivity of attrition
  - information on non-respondents available in anonymous or aggregate form:
    compare occurrence of events between respondents & non-respondents
Sampling Design

• Different Options
  - Single Random Sampling (SRS)
  - Two-stage sampling procedure with communities acting as PSU’s.

• SRS: pro’s and con’s
  - cluster samples less efficient and more tedious in analysis of data:
    in practice sampling design is often ignored during analysis…
  - Diminishing advantages:
    main advantages of two-stage sampling procedure with communities acting as PSU (i.e. practical organisation of field work, reduction of travel costs) is bound to diminish by Wave 2 & 3 as a result of internal migrations…
  - Selected individuals scattered over territory in case of SRS:
    implications for response rate?
Fielding GGPS

- **Constraints for Wave 1 field work:**
  - app. 15 weeks (i.e. August 27th – December 7th)
  - 200 interviewers
  - target: $10000 \leq N_{\text{RESPONDENTS}} \leq 10500$

- **Characteristics:**
  - CAPI questionnaire
  - Comprehensive set of manuals for interviewers
  - Contact form of Round 3 of the ESS (Named Individuals)
  - Field editing under CAPI: consistency checks, soft errors,…
  - Interview only accessible if contact form is adequately filled out
  - Selected individuals gradually released under CAPI:
    - automated gradual release of addresses under CAPI using data from contact forms
GGPS Pilot Study

- **Objectives**
  - test Wave 1 Questionnaire
  - feasibility of response monitoring and incremental diffusion of addresses
  - target effective sample size N=100

- **Interviewers**: N_{INTERVIEWERS} = 6

- **Fieldwork**
  - ca. 5 weeks
  - 1\textsuperscript{st} Contact Wave (3 weeks) + 2\textsuperscript{nd} Contact Wave (2 weeks)
  - sample size: N = 2 x 150
Demographic challenges for the 21st century

A state of the art in Demography

Date
February 15 - 16, 2007

Location
Vrije Universiteit Brussel
Auditorium Van Geen / Auditorium QD
Pleinlaan 2, 1050 Brussels, Belgium

Registration fee
€ 60 (lunch and conference book included)
€ 15 (students, lunch included)

Conference book
Included for participants
Scheduled July 2007
Can be ordered separately via mail (€ 20)
www.vub.ac.be/soco/dem/intro.htm

Registration Information
Vrije Universiteit Brussel
Interface Demography
Pleinlaan 2, 1050 Brussels, Belgium
tel + 32 - (0)2 - 629 20 40
tax + 32 - (0)2 - 629 24 20
e-mail demography@vub.ac.be

Colloquium organised as a tribute to the continuing endeavours of Prof. Dr. Em. Ron Lesthaeghe in the field of demography

Brussels, February 15 – 16, 2007