









The team

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Missione 4 • Istruzione e Ricerca







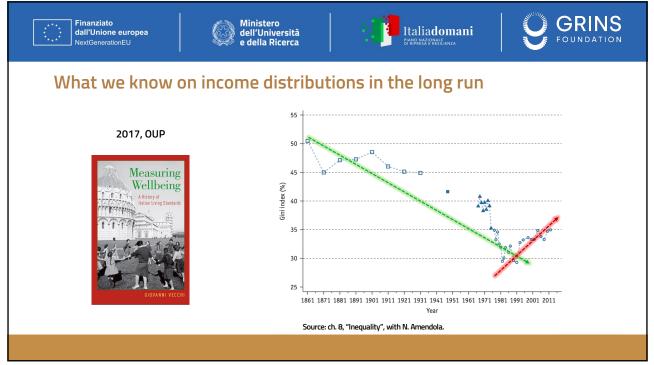


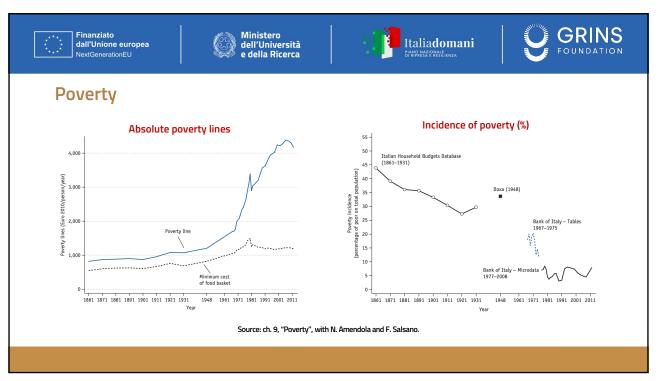
The aim of the project

- The project aims to produce yearly estimates of the distribution of income in Italy from 1861 to the present day
- Time permitting, regional distributions for benchmark years.
- We use historical household budgets (A'Hearn, Amendola and Vecchi, 2016).

Missione 4 - Istruzione e Ricerca

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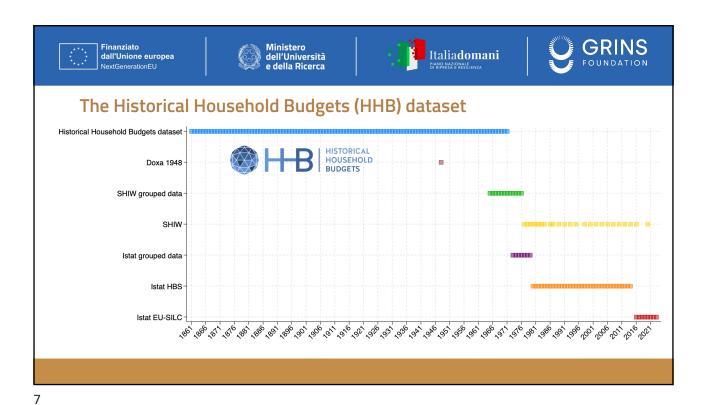






Second generation estimates

- Many "big questions" require high-frequency data.
- For example, how to assess the effects of fascism when you have data from 1921, before the March on Rome, and then from 1931, during the height of fascism but also in the midst of an economic depression?
- How does income distribution change in the short term in response to shocks? Did the shocks have lasting/permanent effects, or was the distribution more an expression of a stable equilibrium that was quickly restored after the shock?
- Economic vulnerability, poverty profiling, growth-inequality-poverty link, ...
 ... high-frequency household-level data are needed.



Finanziato
dall'Unione europea
NextGenerationEU







Sources

- So far, 302 different sources
- Source = any document reporting five pieces of information:
 - 1) year
 - 2) location
 - 3) occupation of the household head
 - 4) household size
 - 5) total household income or expenditure









Sources

- Inchieste parlamentari, locali, tematiche
- Monografie
- Giornali di settore e.g., *Il contadino, Il muratore, L'impiegato,* etc.
- Dati amministrativi
 - Fascicoli del personale
 - Tasse locali
 - **.**...

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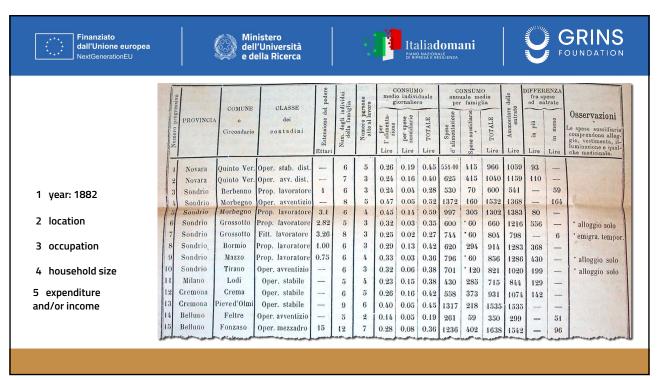


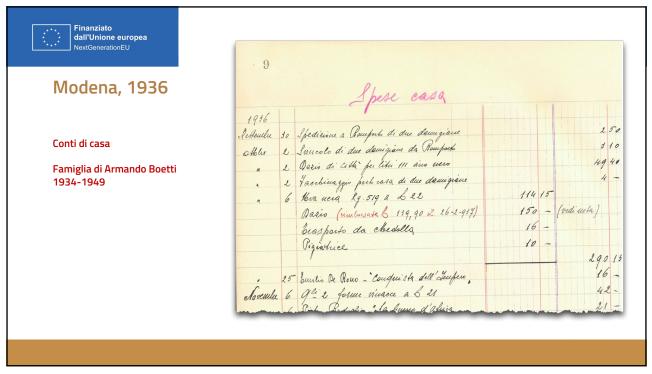




Treviso, 1882















I fascicoli del personale

- Administrative files for each and every employee in the PA are available at the Italian National Archive
- For each Ministry, a personal file is created for all employees, from the Minister all the way down to the doorman.
- Somewhat surprisingly, most files provide the information required to construct a household budget.

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Mr. Bodio's file...













Mr. Bodio's file - page 2



- Education (and knowledge of foreign languages)
- Main publications
- Forthcoming publications
- Awards

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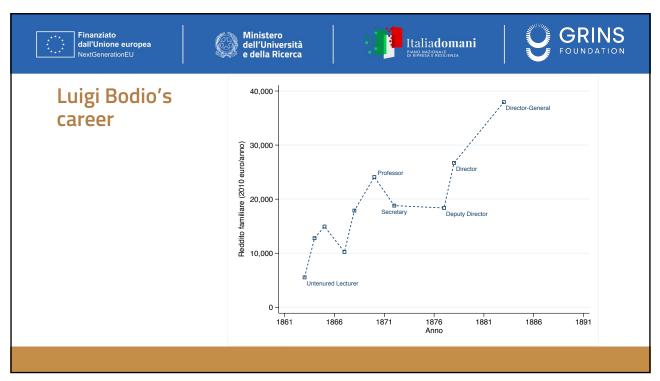


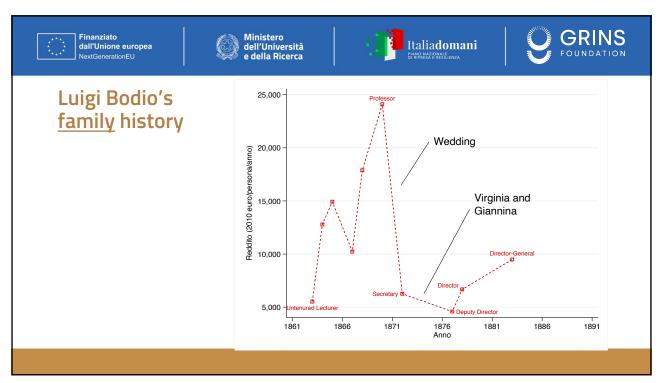


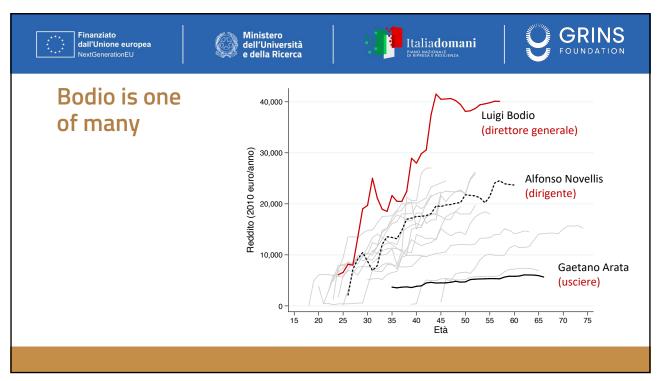
Mr. Bodio's file – page 3

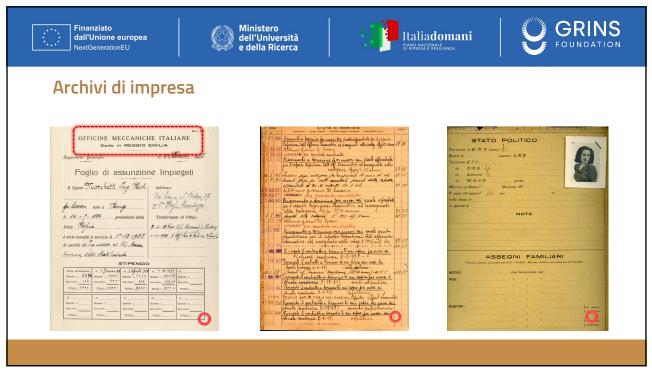


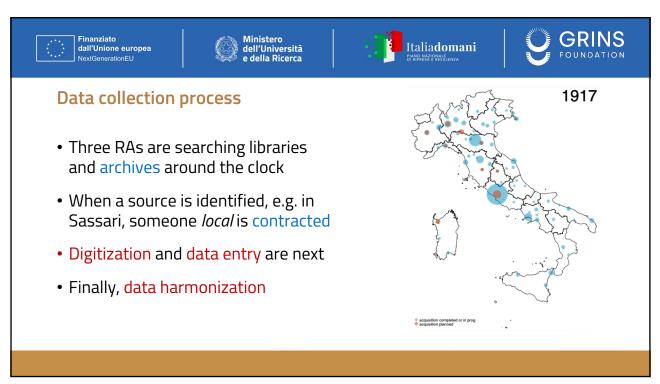
- The entire history of Mr. Bodio's income sources is recorded
- Sources other than labor income are annotated on the margin of the page
- All past positions (and earnings) are accounted for

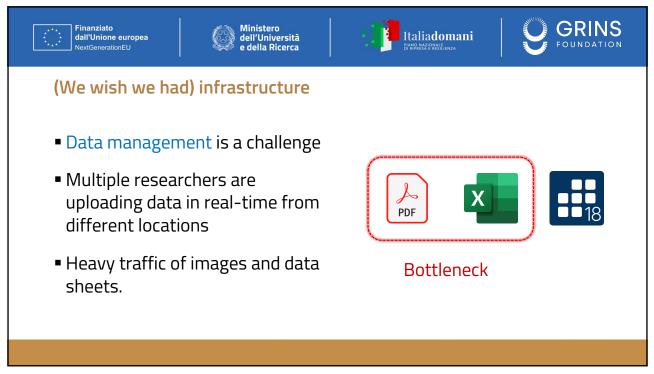


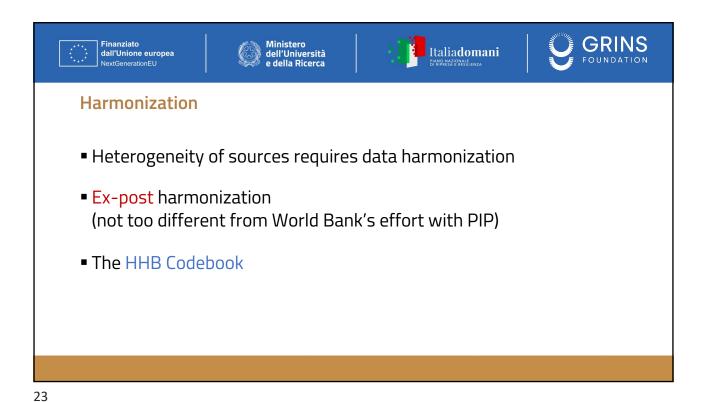


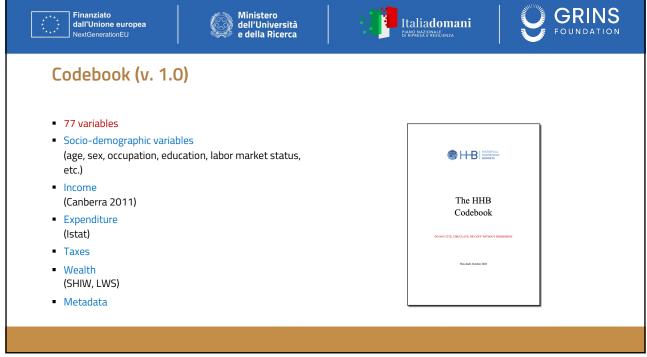




















How to transform a collection of historical budgets into a representative sample?

- To key questions:
 - 1. Sample size
 - 2. Represantativeness

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Sample size

- 100 years
- Sampling ratio 1:1,000
- Consider the year 1881 this would be the target sample size and composition
- The grand total for the HHB dataset is around 5-600,000 records.

	Agricultura	Industria	Servizi	Condizioni non professionali	Tutti
Piemonte	257	91	49	274	671
Liguria	53	31	24	87	195
Lombardia	265	160	62	317	804
Veneto	206	74	49	286	615
Emilia	154	68	41	214	477
Umbria	50	11	8	55	125
Marche	82	30	15	79	205
Toscana	146	76	44	216	482
Roma	60	27	26	86	197
Abruzzi e Molise	117	44	13	113	288
Campania	179	122	63	270	633
Puglie	108	65	25	150	347
Basilicata	47	17	6	45	115
Calabrie	86	77	18	93	275
Sicilia	166	125	54	294	640
Sardegna	40	16	12	81	149
Italia	2,020	1,033	506	2,657	6,216



Representativeness

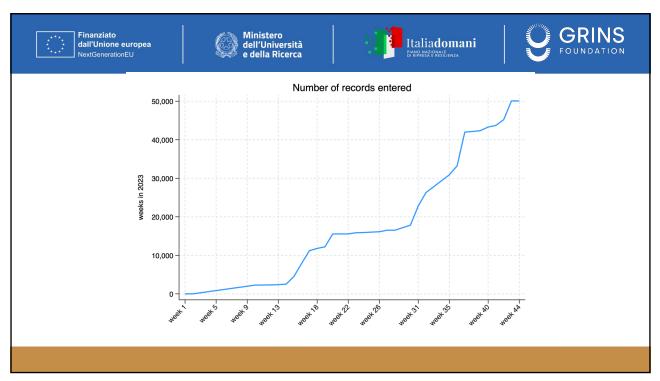
- Population census allows the construction of expansion factors (weights) to help mitigate unbalanced datasets
- Post-stratification Holt and Smith (1979)
- Calibration

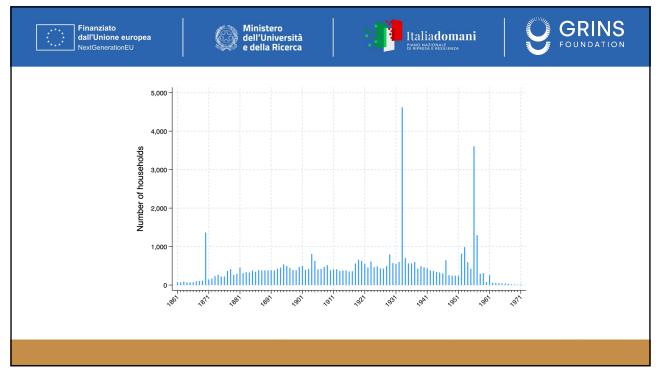
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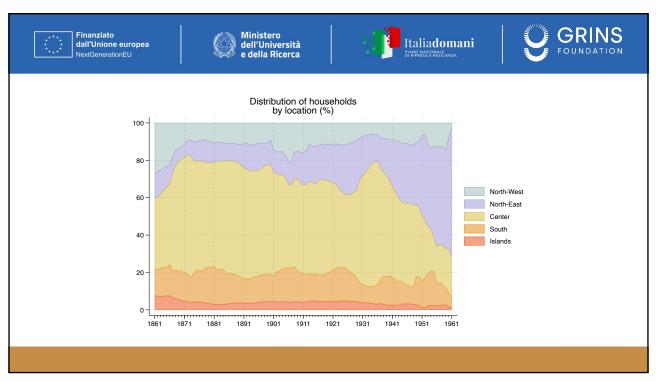


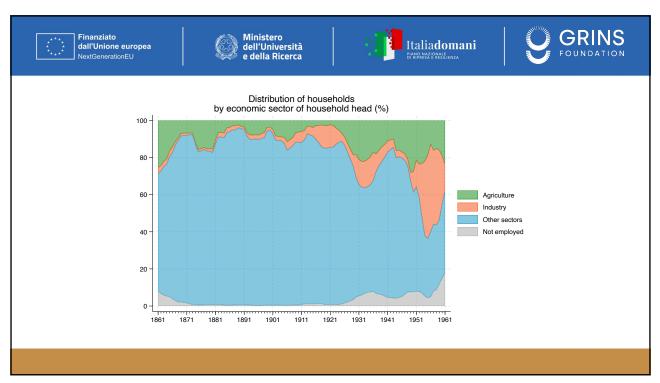
HHB as of today

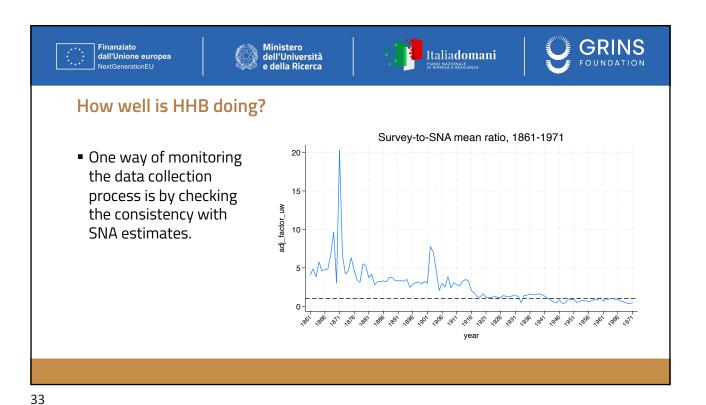
- 50,210 records (household-year) for the period 1861-1961
- Coverage is poor for the early decades, for the South and Islands, particularly for the agricultural sector
- Historical household budgets have advantages, e.g. the "super rich" are relatively easy to include in the sample. We are exploring the use of aristocrats, whose accounts are kept by a professional accountant











GRINS Ministero dell'Università e della Ricerca Finanziato Italia**domani** dall'Unione europea FOUNDATION **Dashboard** Republican Italy (1946-1961) 600000 -GDP Private consumption • We are developing a HHB (unweighted) mean dashboard to help 400000 monitor the progress and guide the data collection process 200000 1945 1955 1960

