



NEW WAY OF MONITORING "JUST IN TIME" LABOUR MARKET USING AMMINISTRATIVE DATA

Research report by

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THE QUESTION:



Could statistical data from administrative sources help to understand cyclical fluctuation of labour market dynamics "just in time"?

Traditional answer: NO!

- For economic dynamics (variation over previous period) it's possible to use only ISTAT workforce survey (RFL);
- Sources not available: INPS, INAIL, CO (compulsory communications)

We want to explain:

- 1. Why traditional answer was justified
- 2. Why that answer is already "old" today

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Long long time ago, before Employment Centres computerized (IT):



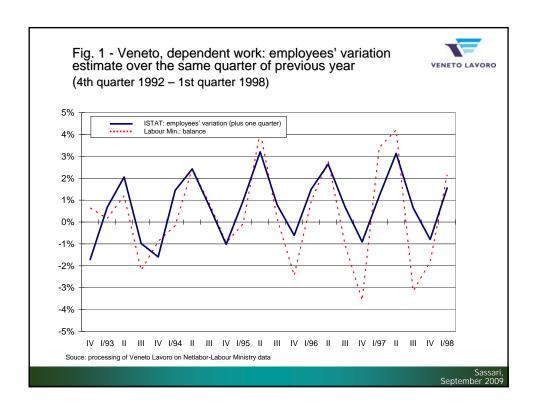
- Compulsory communications on paperwork (fax, mail, etc.);
- Statistical information: count/sum of compulsory communications and results were collected by Employment Centres on paper forms;
- Data transfer on pyramid hierarchy:

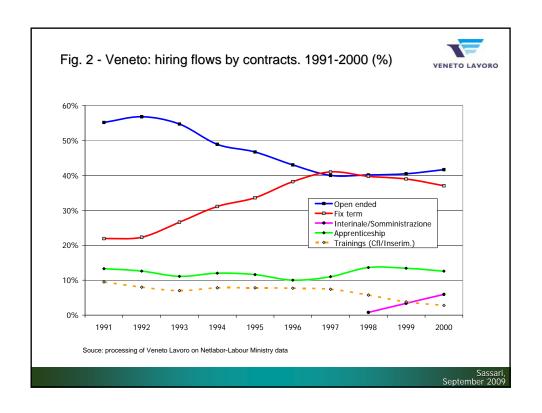
from Employment Centres to provincial authority
from provinces to regional authority,
from regional to National Labour Ministry)

Results:

- 1. possible human errors, conditional results, no checking
- 2. low usability and limited availability of information ...Just some benefits (where possible!) ...

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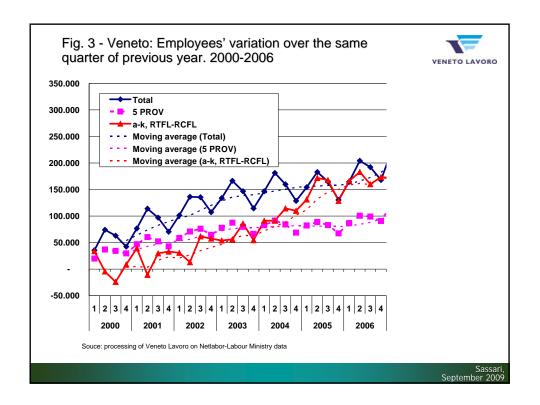


Employment Centres computerization (first stage)

- 1. A bottom-up transition, in a non-homogeneous manner (like spots on the leopard skin), without territorial equality;
- 2. A new constraint: data (on DB) could be "counted" only after data input activity (from paper to DB);
- 3. Client/server architecture (less then intranet).

Results:

- ✓ Good but not well-timed computation (not just in time data entry)
- ✓ Limited territorial coverage
- √ 40 different DB (in Veneto region) and replication issue (Master and slave synchrony)





In the beginning Employment Centres computerization allowed a different analysis point of view: Longitudinal Analysis

Trying with "Giove" setting up: a statistical DB with good and accurate data Main use is for longitudinal meaning:

- employment mobility analysis
- immigrants' work experiences/careers, regularization effect, etc.
- · careers and forms of contract
- · length probability of employment
- PUF (Public Use File)

THE FOUR CHANGES



Four big changes between 2007 and 2008 (involving law, regulation system, practice and IT).

"Just in time" economic dynamics analyses are now possible.

- 1. All the dependent work
- 2. Compulsory communications by web
- 3. New form for compulsory communications
- 4. New IT programs support (SILL/CO)
- > the first three have a large, wide, effect in all the National context
- > the fourth has a different impact from one Region to another

Let's see them closer...

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FIRST BIG CHANGE

New point of view: all the dependent work (and more)

Since the 1st of January 2007 hiring, conclusions, transformations and extension communications become a duty also for:

- public employment;
- domestic work (unfortunately until January 2009).

...plus Collaborator (Co.co.co/Co.co.pro) contracts



SECOND BIG CHANGE

Compulsory communications by internet (no more client-server)

- ✓ Communications by companies, labour consultants and government
 - ✓ Immediate verification of communications

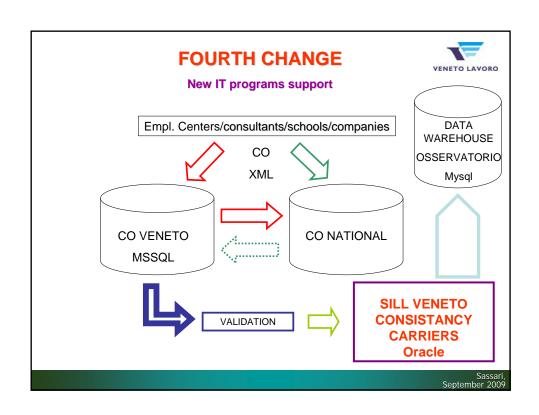
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THIRD BIG CHANGE

New form for compulsory communications:

- ✓ Biagi law is included (CO catchs up with law)
- Job on call
- · Job sharing
- Training
- Odd job



GOOD NEWS, BAD NEWS



Drawback:

- ✓ national junction
- √ validations
- ✓ difficult way to check all the flow

Benefits:

- √ "too much database and replication"
- ✓ leopard spot skin input

RESULTS "just in time movements analyses"

Tab. 1 - Veneto. Regular dependent employment. Hiring and conclusions by quarter

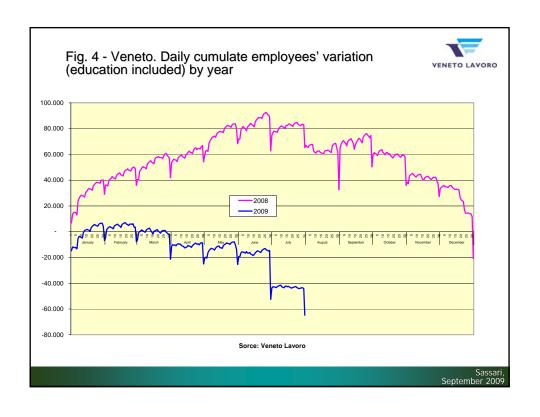
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(not included "job on call" and domestic work)

		Hiring	Conclusions	Quarterly balance	Employment yearly variation (yearly balance)
2008	First quarter	191.495	149.555	41.940	
	Second quarter	201.331	180.526	20.805	
	Third quarter	196.702	209.175	-12.473	
	Fourth quarter	135.042	206.092	-71.050	-20.778
2009	First quarter	142.379	142.998	-619	-63.337
	Second quarter	155.265	186.338	-31.073	-115.215

Source: Veneto Lavoro

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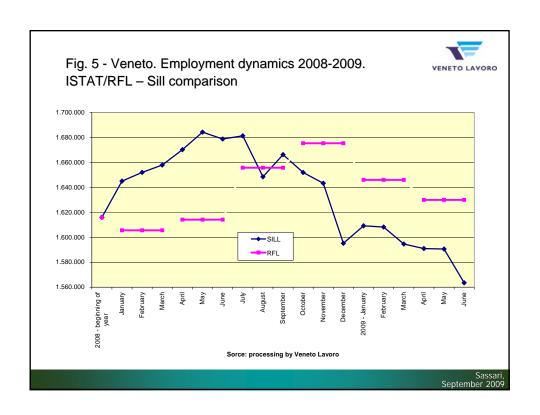
LOOKING FOR THE STOCK...

It's not possible to calculate an "exactly" stock because of the "ghost employees"

It's possible to compute hiring and conclusions balance but the stock has to be calculated from:

- a. external sources like ISTAT-RCFL
- b. "ghost employee" estimate

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SILL VS ISTAT

Main differences:

SILL	ISTAT
Dependent workers	Residents
Accurate estimates referring to a specific date	Quarterly average
"Job on call" \rightarrow just the first CO	"job on call" \rightarrow checking status
Administrative seasonal trend influence	Not seasonal influence

Our care for future \rightarrow try to test "ISTAT method" on SILL data (but de Angelini already...)

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Tab. 2 - Veneto. Employees' variation over the same period of previous year (thousands)



	30th June 2009 over 30th June 2008		30th June 2009 over 30th June 2008
A. Dependent (not included "job	on call" and domestic v	vork)	
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Total	-115		
by citizenship:		by age:	
immigrants	-34	Until 24	-9
italian	-82	from 25 to 29	-17
		from 30 to 39	-37
by sector:		from 40 to 49	-25
Agriculture	-3	over 50	-27
Industry	-70		
- Manufacturing	-57		
- Construction	-13	by gender:	
Services	-42	female	-46
- Trade and turism	-25	male	-69
- business services industry	-13		
- Government, education, health	1		
- Services to family	-5		
B. Other contract			
"job on call"	13		
Collaborator (Co.co.co./co.co.pro.)	-8		

Source: processing by Veneto Lavoro on Sill data

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FUTURE



Future perspectives of statistics based on compulsory communications will depend on:

- ✓ development possibility of the regional junction;
- ✓ development of each Region faculties;
- ✓ development/improvement of relationships with INPS.

Q&A session

Sassarı, eptember 2009