

Chain Linking and Annual Update of Weights for Producer Price Indices for Services in Italy

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29th Voorburg Group Meeting

Dublin, Ireland

September 22th - 26th, 2014

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Main features of the Italian SPPIs

annually chain-linked
Laspeyres type (year y)

chaining method: quarterly overlap

base period: fourth quarter of year ($y-1$)

weights reference period: year ($y-1$)

reference period: year 2010

annual updating

basket, sample of units, weights

calculation

weighted means of level indices

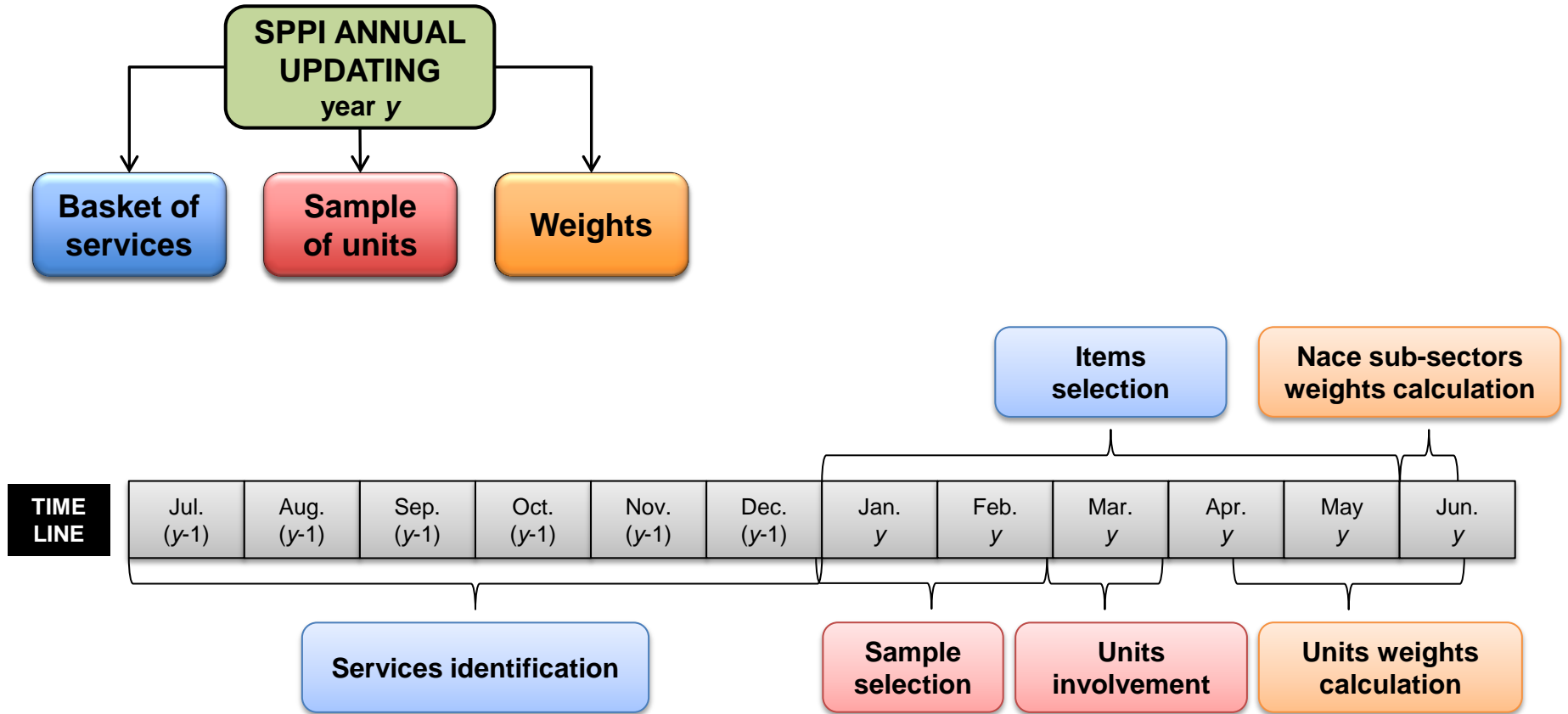
quarterly indices

data collection, calculation, dissemination

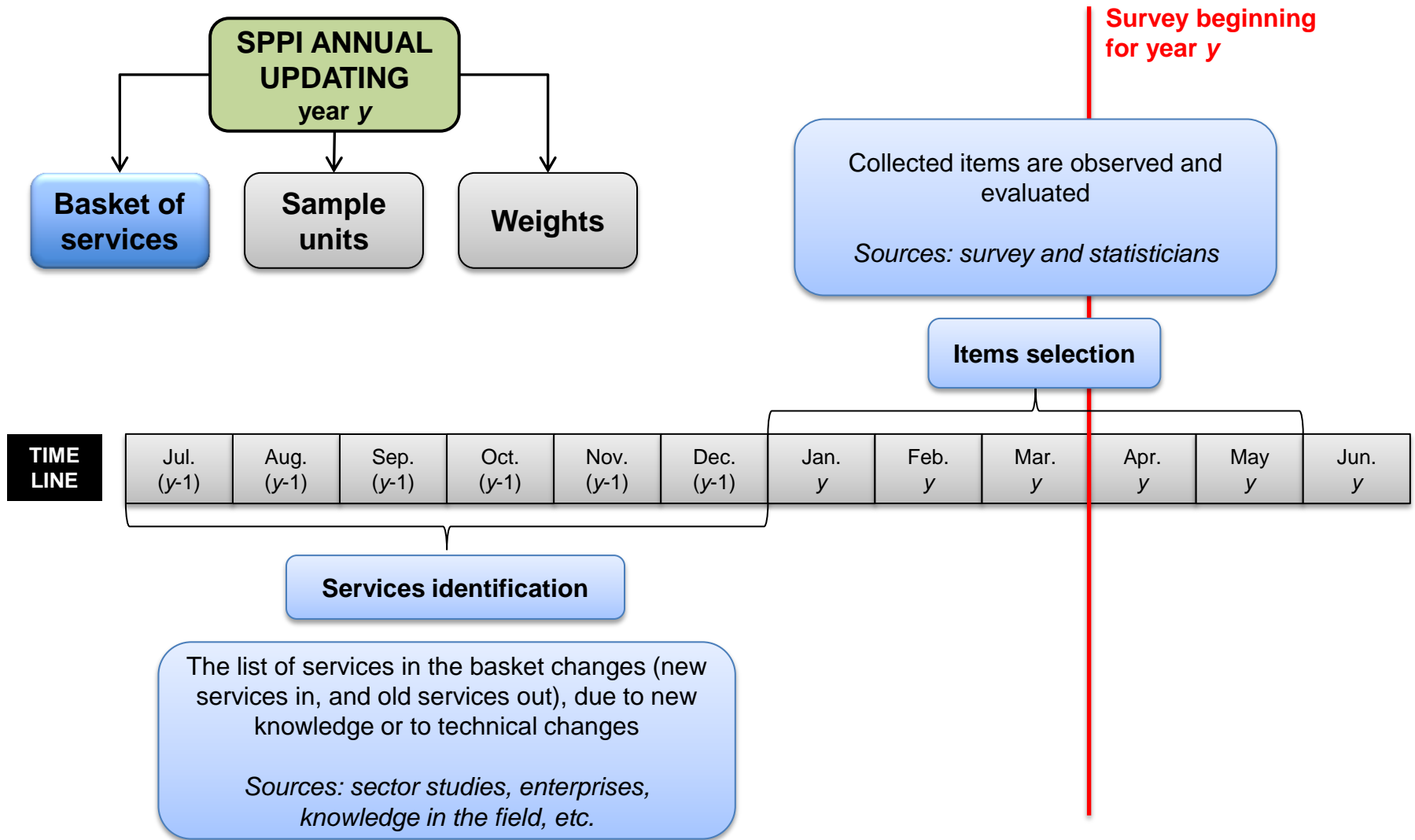
industry based

enterprise price indices

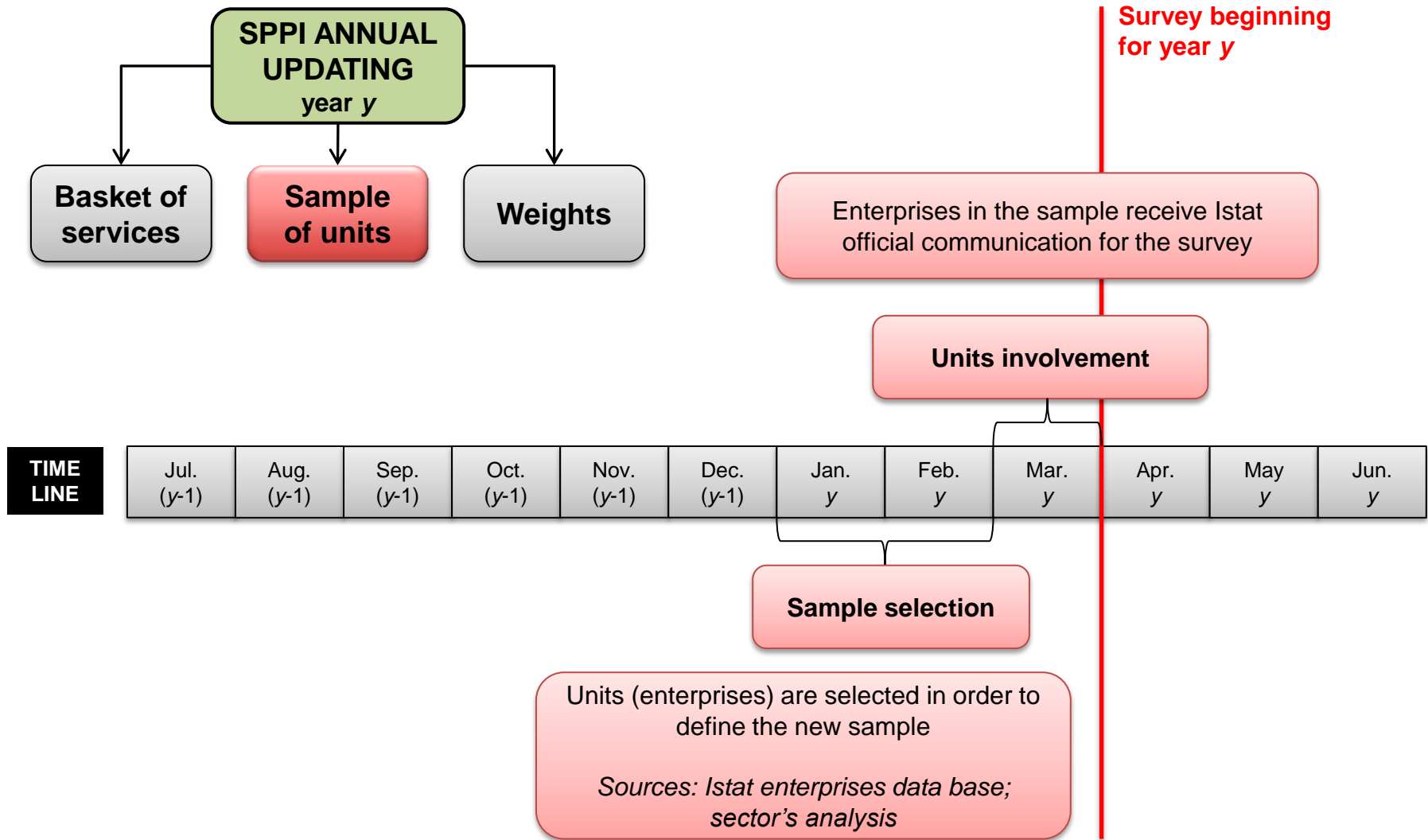
SPPIs annual updating process



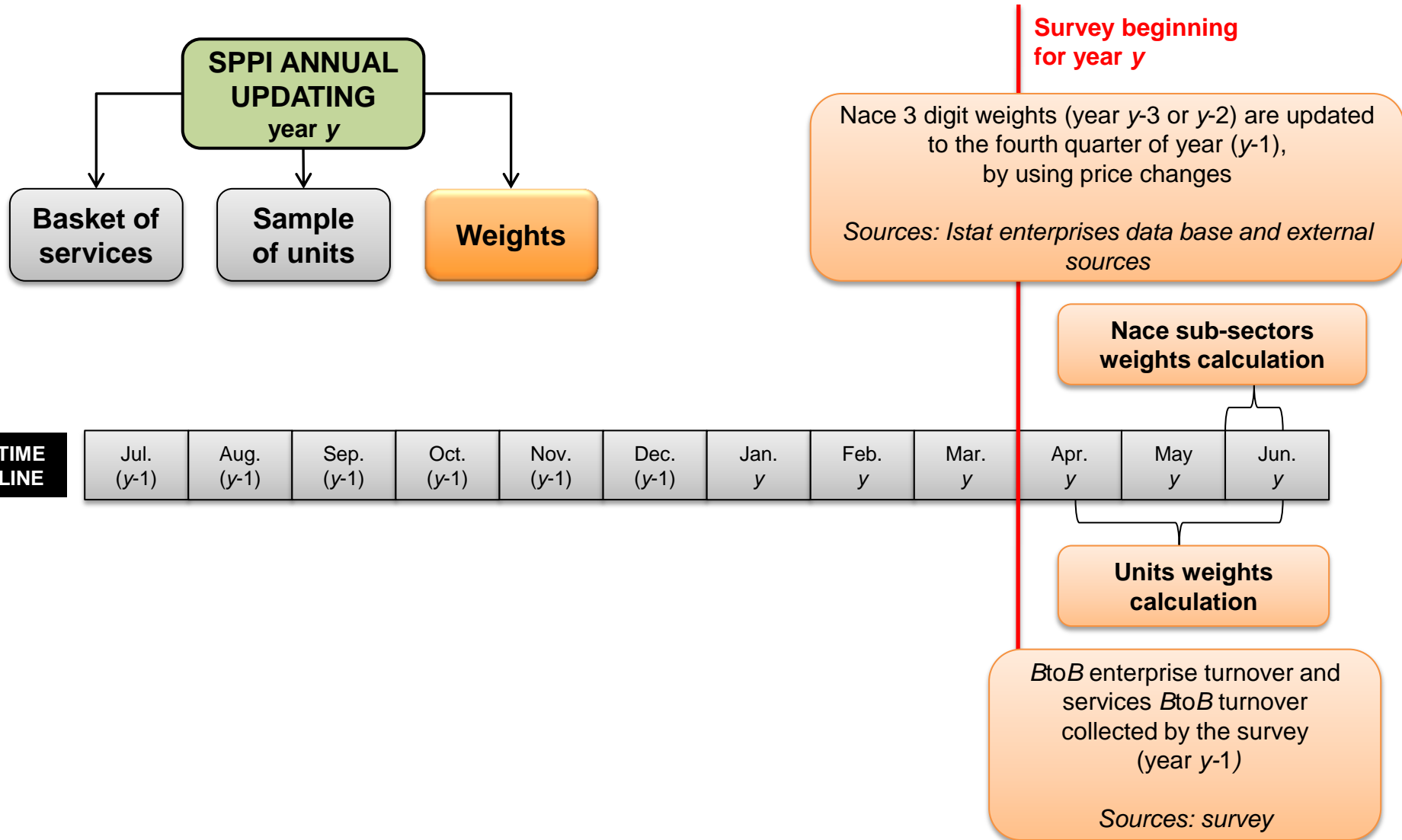
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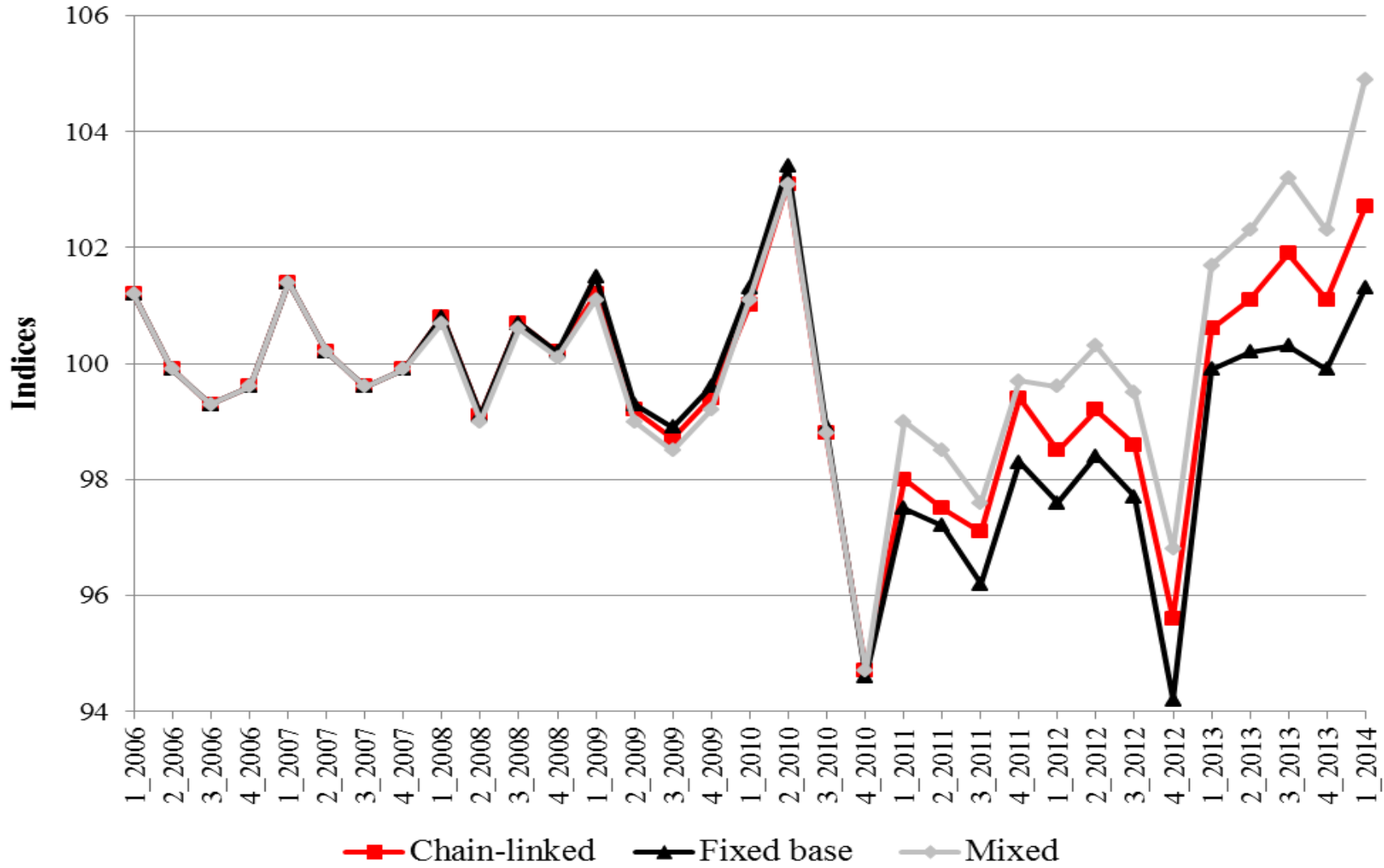


Chain linking vs fixed base approach: an example

Index	Base period	Reference period	Weights reference period
Chain-linked index	quarter 4, year (y-1)	2006=100	year (y-1)
Fixed base index	average of year 2006	2006=100	2006
Mixed index	average of year 2006	2006=100	year (y-1)

- ✓ **same sample of units**
- ✓ **chain-linked index**: base period + weights reference period change yearly
- ✓ **fixed base index**: base period + weights reference period agree with the reference period
- ✓ **mixed index**: base period coincides with the reference one and weights reference period changes yearly

Chain linking vs fixed base approach: an example



Thank you!

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