

General aspects

The Banca d'Italia survey of inflation and growth expectations has been conducted since 1999¹, interviewing Italian firms in industry excluding construction, non-financial private services² and construction (since 2013) with 50 or more workers. The survey is carried out by a specialist firm on a panel of about 1,000 firms that are interviewed on a quarterly basis in March, June, September and January.

The purpose of the survey is to obtain information on firms' expectations concerning inflation, the general economic situation, own-product prices and demand, investment and employment. Most of the data (with the exception of price and inflation expectations) are qualitative and relate to firms' opinions on changes in the real economy in the reference quarter and looking ahead. The qualitative questions in the questionnaire have three or more possible answers (for example: worse, the same, better). The answers to the qualitative questions are summarized by the balance between the number of favourable and unfavourable responses; neutral responses ('the same') are not used in calculating the balance.

The various methodologies used in the survey are described below.

The composition of sample and universe

The reference universe consists of firms in industry excluding construction, non-financial private services and construction with administrative headquarters in Italy and employing 50 or more workers. The response rate averaged about 50 per cent for industry and services and 40 per cent for construction. In recent years the sample has consisted of about 1,000 firms (about 400 in industry excluding construction, 400 in non-financial private services and 200 in construction). The list of firms used to extract the sample is drawn from the Bureau Van Dijk's Aida database and is updated on average every five years.

¹ The survey was conducted in collaboration with the newspaper Il Sole 24 Ore until the third quarter of 2018.

² The following are excluded from the survey: financial intermediaries and insurance companies, general government and the educational and healthcare sectors as well as other community, social and personal services.

The sample is stratified, the strata consisting of combinations of economic sector (based on the 2007 Ateco classification)³, firm size (number of workers) and geographical area (based on the firm's administrative headquarters), yielding the following categories:

Tab. 1

Economic sector	Size of firm	Geographical area
Industry excluding construction (Ateco sections B, C D, E)	50-199 workers	North-West
Non-financial private services (Ateco sections G, I, H, J, L, M, N)	200-999 a workers	North-East
Construction (Ateco section F)	More than 999 workers	Centre
		South and Islands

The need to ensure a large enough sample for every type of firm considered relevant means that, in some cases, the number of companies selected is disproportionate to the share of that category in the entire population of firms. This is particularly true of large companies.

Data collection, questionnaire and response patterns

The survey is carried out in the first three weeks of March, June, September and December.

The specialist firm distributes the questionnaire to company managers. About 90 per cent of the data is collected through computer assisted web interviews (CAWI) in the form of an online questionnaire featuring a purpose-designed interface, while the remaining 10 per cent are collected through computer assisted telephone interviews (CATI).

The questionnaire is divided into six parts: general information, Italy's general economic situation, the economic conditions in which the firm operates, the firm's price dynamics, employment and investment. The survey gathers information on the opinions of firms on the general economy and on their own economic conditions, looking both backwards and forwards. Most of the questions are repeated throughout the various waves. On occasion, the survey contains questions on specific aspects of the economy that warrant further investigation.

Over the years the wording of the question on consumer price inflation expectations (for all time horizons) has differed. These different wordings are used in the same survey and are put to random subgroups of firms. However, the published and annotated estimates of inflation expectations are calculated based solely on the response of the group of firms to which the question containing the latest available data on consumer inflation (across all time horizons) was put. The wording of this question has remained largely unchanged since the start of the survey.

³ See Istat, *Metodi e Norme*, 40, 2009

