

# Foresight studies, a tool for strategy

## The agricultural context in 2013, an application case

The foresight study presented here involved more than one hundred people from different horizons, working through a committee of experts chaired by Bernard Vial which chose the scenarios to be explored, research teams that modelled the effects of these scenarios and panels of specialists who contributed by their qualitative analysis, under the supervision of Rémi Barré, Hervé Guyomard and Chantal Le Mouél.

Through the Agriculture 2013 Foresight Study, INRA, as a mission-oriented research agency, is assuring its role in assisting debate and decision-making by public and private sector organisations. It is contributing to informing discussions, proposals or reactions prior to national and international debate and decisions on public agricultural policies.

I would like to thank Crédit Agricole and Groupama who agreed to initiate this foresight study with INRA. We shared the purpose of aiding actors to explain the objectives and anticipate the content of future agricultural, food and environmental policies for Europe. Indeed, the international context is increasingly marked by major uncertainties, where external factors such as world economic growth play a crucial role in evolutions affecting French and European agriculture, and where development of the future CAP cannot be dissociated from the world situation.

*Marion Guillou*  
President of INRA

# Results of the agriculture 2013 Foresight Study

Final report • February, 2008



# agriculture 2013

Crédit Agricole, Groupama and INRA decided to carry out the Agriculture 2013 Foresight Study in order to encourage collective thinking and debate by French actors in a rapidly evolving and broadening global and European context.

## Foresight Study

The purpose of the study was to examine the issues and margins for manoeuvre of the Common Agricultural Policy (CAP). It was also designed to situate thinking on future European agricultural policies in the economic (world economic growth), commercial (WTO agreements) and environmental (Factor 4, biofuels) contexts, governed by major trends and considerable uncertainties.

## Resources

This project involved more than 100 people for two years. In practice, it established hypotheses concerning evolutions in world economic growth and the regulations governing international trade and agricultural policies, which made it possible to construct scenarios as combinations of these hypotheses. The effects of the scenarios on agriculture, the agrifood industry and the environment were determined, firstly using economic simulation models, and secondly by the work of specialist panels.

## The Steering Committee

Board members from the three organisations initiating the foresight study.

- Marion GUILLOU, President of INRA
- Jean-Luc BAUCHEREL, President of GROUPEAMA
- René CARRON, President of Crédit Agricole S.A.

With:

- Rémi BARRÉ, INRA
- Catherine LION, GROUPEAMA
- Michel CLAVÉ, Crédit Agricole S.A.

## Modelling specialists

15 economists analysed the impact of the scenarios using economic simulation models.

- Laure BAMIÈRE, INRA (OSCAR)
- Ahmed BARKHAOUI, INRA (MOREA)
- Catherine BENJAMIN, INRA (WEMAC)
- Jean-Pierre BUTAULT, INRA (MOREA / Markov)
- Vincent CHATELLIER, INRA (Accounting simulations)
- Nathalie DELAME, INRA (Markov)
- Yves DRONNE, INRA (OLEOSIM)
- Alexandre GOHIN, INRA (GOAL / OLEOSIM)
- Christophe GOUEL, CEPII (MIRAGE)
- Loïc GUINDE, INRA (OSCAR)
- Florence JACQUET, INRA (OSCAR)
- David LABORDE, CEPII (MIRAGE)
- Guy MILLET, INRA (OSCAR)
- Isabelle PIOT, INRA (WEMAC)
- Elisabeth SAMSON, INRA (WEMAC)

## The Expert Committee

15 people, under the chairmanship of Bernard Vial. This committee constructed three scenarios by combining the hypotheses. These scenarios served as a basis for the simulations made by economists.

- Guy DARTOIS
- Jean-Christophe DEBAR
- Dominique DUTARTRE
- Gaël GROSMOIRE
- Hervé GUYOMARD
- Christine LAMBERT
- Catherine LION
- Jean-Marc MEYNARD
- Serge MICHELS
- Didier NEDELEC
- Anne PACQUET
- Philippe PERRIER-CORNET
- Jean SALMON
- Bernard VIAL
- Bruno VINDEL

## Expert panels

Specialists on the different panels provided valuable input regarding subjects little or poorly covered by the models.

58 people contributed to the six panels.

Studies were carried out in the form of interviews and in some cases, seminars for the exchange of viewpoints.

### Panel 1 ▼

- ECONOMICS OF FRENCH PROFESSIONAL FARMS**
- Philippe BOULET, CNCR
  - Lucien BOURGEOIS, APCA
  - Michel LHERM, INRA
  - Guy MILLET, INRA
  - Christophe PERROT, Institut Elevage
  - Jean PLUVINAGE, INRA
  - Philippe VIAUX, ARVALIS

### Panel 2 ▼

- SOCIAL DIMENSIONS OF CHANGES TO FARMING ACTIVITIES IN FRANCE**
- Gilles ALLAIRE, INRA
  - Benoît DEDIEU, INRA
  - Nathalie DELAME, INRA
  - Maurice DESRIERS, SCEES
  - Catherine LAURENT, INRA
  - Roger LE GUEN, ESA
  - Bruno LEMERY, INRA
  - Véronique MOYNE, MSA
  - Jacques REMY, INRA

### Panel 3 ▼

- ENVIRONMENT: Water, air and soil**
- Marc BENOIT, INRA
  - Marie CUGNY-SEGUIN, IFEN
  - Jean-Yves DOURMAD, INRA
  - Edwige DUCLAY, MEDD
  - Benoît GABRIELLE, INRA
  - Philippe GIRARDIN, INRA
  - Laurence GUICHARD, INRA
  - Philippe POINTEURAU, SOLAGRO
  - Alban THOMAS, INRA
  - Nathalie VERJUX, ARVALIS

## The project team

- Christine JEZ, Project leader, Foresight Unit, INRA
- Chantal LE MOUËL, Permanent Expert responsible for coordinating quantitative simulation exercises, Agricultural Economics and Sociology Unit, Rennes Research Centre, INRA
- Estelle FURNEL, Manager, Foresight Unit, INRA
- Agneta FORSLUND, Manager, Agricultural Economics and Sociology Unit, Rennes Research Centre, INRA
- Rémi BARRÉ, Technical Advisor, Foresight Unit, INRA

### Panel 4 ▼

- ENVIRONMENT: Biodiversity and landscapes**
- Pierre ALPHANDERY, INRA
  - Gérard BALENT, INRA
  - Jacques BAUDRY, INRA
  - Marc BENOIT, INRA
  - Julie BERTRAND, MAAPAR
  - Daniel DELALANDE, DEEEE - MEDD
  - Michel DURU, INRA
  - Jacques GASQUEZ, INRA
  - Annick GIBON, INRA
  - Gilles KLEITZ, cellule biodiv MEDD
  - Michel METAIS, LPO
  - Xavier POUX, ASCA

### Panel 5 ▼

- PRODUCT QUALITY AND HEALTH RISKS**
- Jean-Luc ANGOT, OIE
  - Gilles AUMONT, INRA
  - Aude BARBOTTIN, INRA
  - Jean-Marie CODRON, INRA
  - Monique ELOIT, MAAPAR
  - Pierre RICCI, INRA
  - Jean-Pierre TILLON, IN VIVO
  - Philippe VERGER, INRA

### Panel 6 ▼

- PROCESSING AND DISTRIBUTION OF AGRICULTURAL AND AGRIFOOD PRODUCTS**
- Olivier ANDRAULT, UFC-Que Choisir
  - Yuna CHIFFOLEAU, INRA
  - Cécile DEVEZE, FCD
  - Diane DORE, ANIA
  - Marilynne FILIPPI, INRA
  - Pascale HEBEL, CREDOC
  - Jacques HUBERT, Coop de France
  - Serge PAILLAUGUE, GROUPEAMA
  - Anne PACQUET, Crédit Agricole S.A.
  - Jean-Louis RASTOIN, INRA
  - Alexandre ROGGE, FCD
  - Elgizio VALCESCHINI, INRA