ICAR in a changing environment for animal production

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Vision on the changing environment

Main Social, political, environment, technology and economic trends

► The **world population and level of income increase**

► **Increasing demand for protein and energy**

► **Scarcity of resources**

► **Society** attention to the environment

► **Global warming, green house gases.**

► **Omics, Nano, Information technology**

► **Globalization will continue**

Vision on the changing environment
SOCIETY / WORLD POPULATION / RESOURCES

9 BILLION PEOPLE

Protein   Water   Energy

Vision on Farming

► **GS development** will continue

► **Big data on animals**

► **The trend of forward and backward chain integration** on the farm will continue

► **'license to operate' or 'license to produce'**

► **Larger Scale**

► **Gov't support** for long term benefit to society will continue.

► **Gov't support** for day-to-day services of immediate value to farmers will end.

Vision on the changing environment

TECHNOLOGY
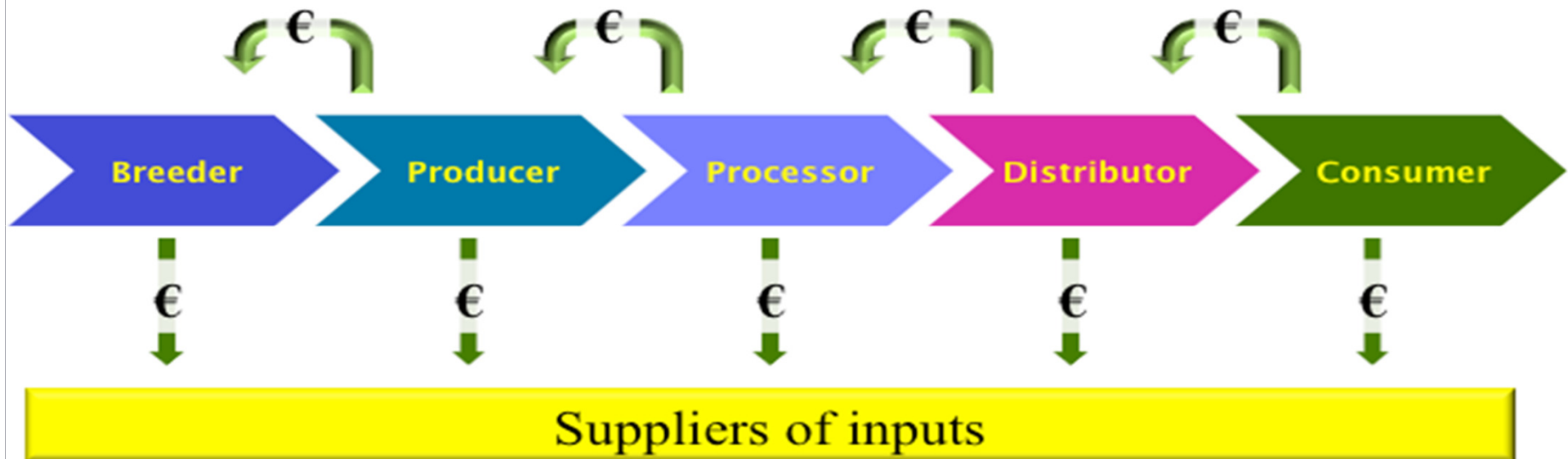
Vision on the changing environment
DAIRY AND BEEF CHAIN

► **Chain integration**

► **Growth of farms**

► **Growth of niche products**

Livestock Industry Supply Chain (cash flow)

Business drivers for primary producers

► **Long-term profitability/ sustainability**

► **Ease of management**

► **Resource efficient (feed, energy, water, etc)**

► **Low emission**

► **High animal welfare**

► **Good working environment**

► **Safe production and products; license to produce**

Business drivers for suppliers to primary producers

► **Innovation**

► **Scale to reduce (innovation) costs**

► **Efficient processes**

► **Long term profitability/ Sustainability**

Effect of business drivers on current organisation structure

► **Breed societies will** change their activities

► **Breeding industry, including AI,** will change due to genomics

► **Integration** of AI, recording, data processing, genetic evaluation … will move on.. and will be **across national borders…**

► Herd / cattle improvement will be part of the **chain**

► **Data** processing **centers** and developments in the **cloud….**

► Growing need for information infrastructure to be separated more from commercial activities such as AI.

► **Cooperative** structure will remain

► **Non cooperative** business will enter **herd recording/ cattle improvement**

► **License to produce** will become key

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ICAR Mission Statement

the leading global provider of Guidelines, Standards and Certification for animal identification, animal recording and animal evaluation.

ICAR wants to improve the profitability, and sustainability of farm animal (Bovine, Ovine, Caprine, …) production by:

►**Establishing and maintaining guidelines and standards**

►**Certifying equipment, and processes**

►**Stimulating and leading**

►**Providing services**

Challenges for ICAR......

► **Requirements Integration** will pull recording

► **Easy herd management** will pull recording

► **License to produce,** what is role ICAR in this

► **Data exchange/ new traits** will become hot

► **Need for Standards / certification** (data, data collection systems, labs, data collection processes, genetic values, license to produce) **will become key**

► **Members of ICAR will change**. ICAR members in 2025 will may be different from the members we have now

► How will **ICAR generate funds** for investments in the future

► **Variety** in the world on development stage of the livestock industry. How to deal with this

The future for ICAR is exciting…….