

S9 - Digital Agri-Business Ecosystem

Role of Public organizations for a Proper Use of Agricultural Data

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From 1980 to 2010: Information Systems for the management



For the farmer:

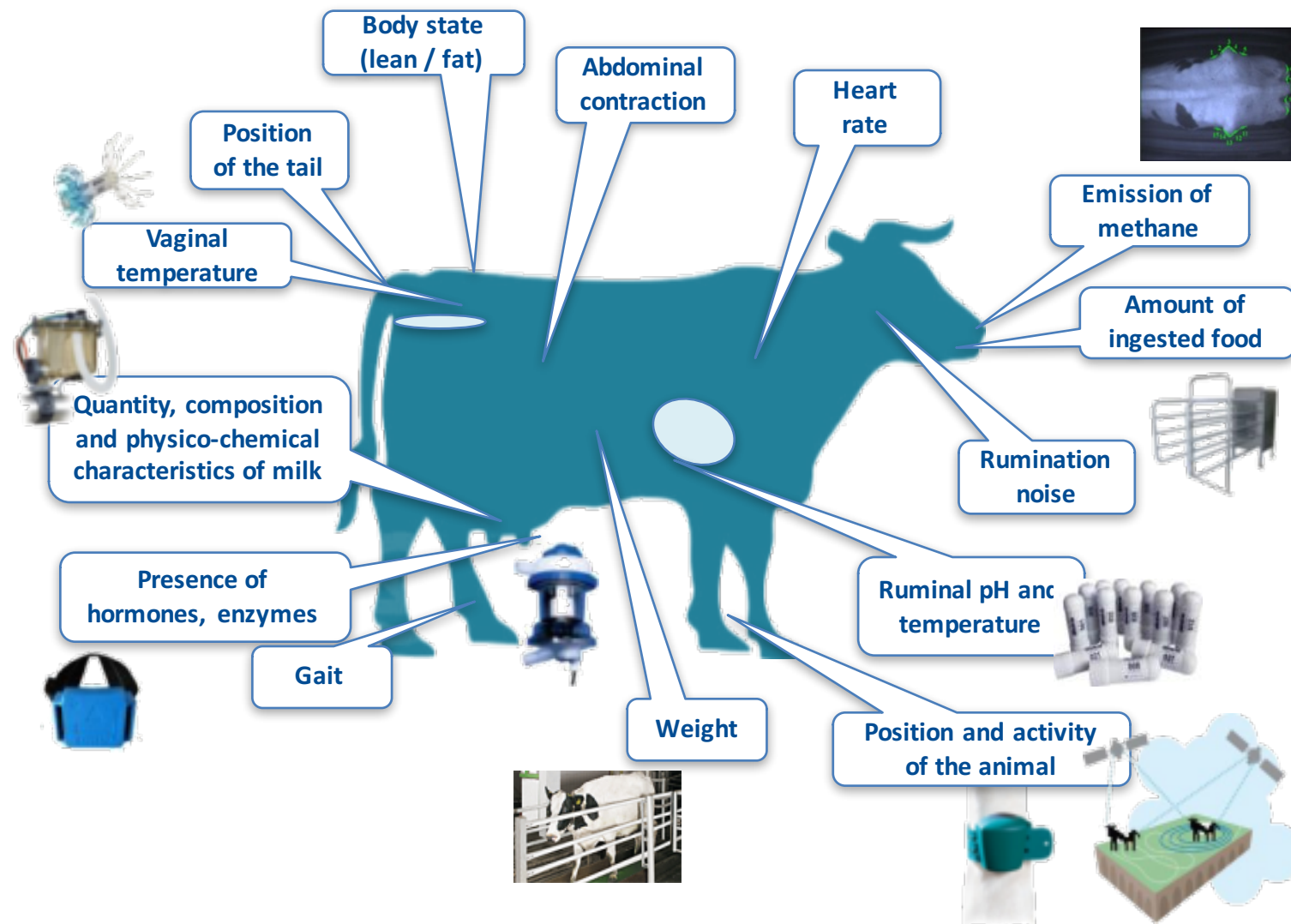
- accounting and financial management
- decision support and management of the production...

For the authorities:

- Food and animals' traceability
- Genetic improvement,
- Measurement of the environmental footprint...



Since 2010: a massive deployment of electronic sensors



GPS support systems



Robots



Drones

The impact of new actors in the agriculture sector

Increasingly large companies

- Originally associative, trade union or cooperative, with predominantly professional governances,
- With directions that meet national and international markets' requirements
- R & D strategies and increasing interest in data,
- Mature and controlled information systems.

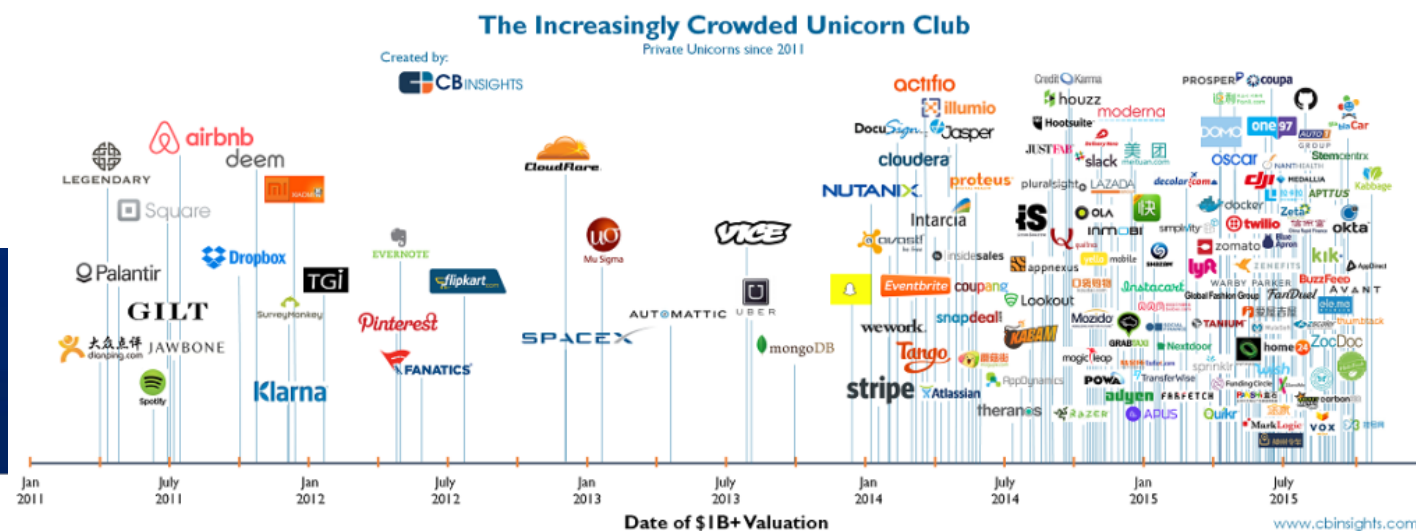
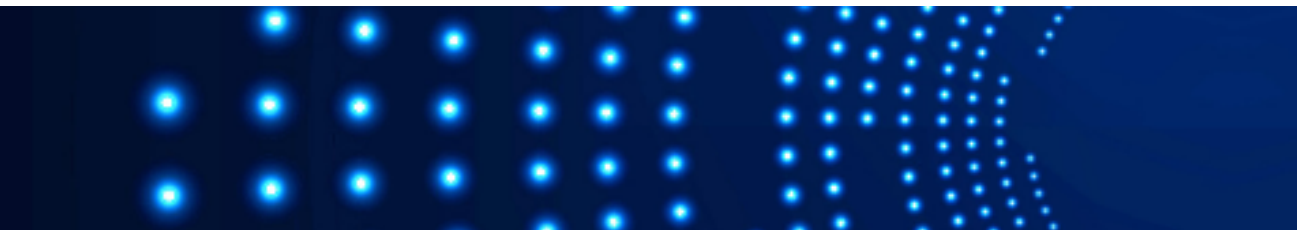


Equipment providers offering new services

- Increasingly high-tech and communicating hardware,
- Standards that open markets internationally.



Start-up blossoming



The agricultureS

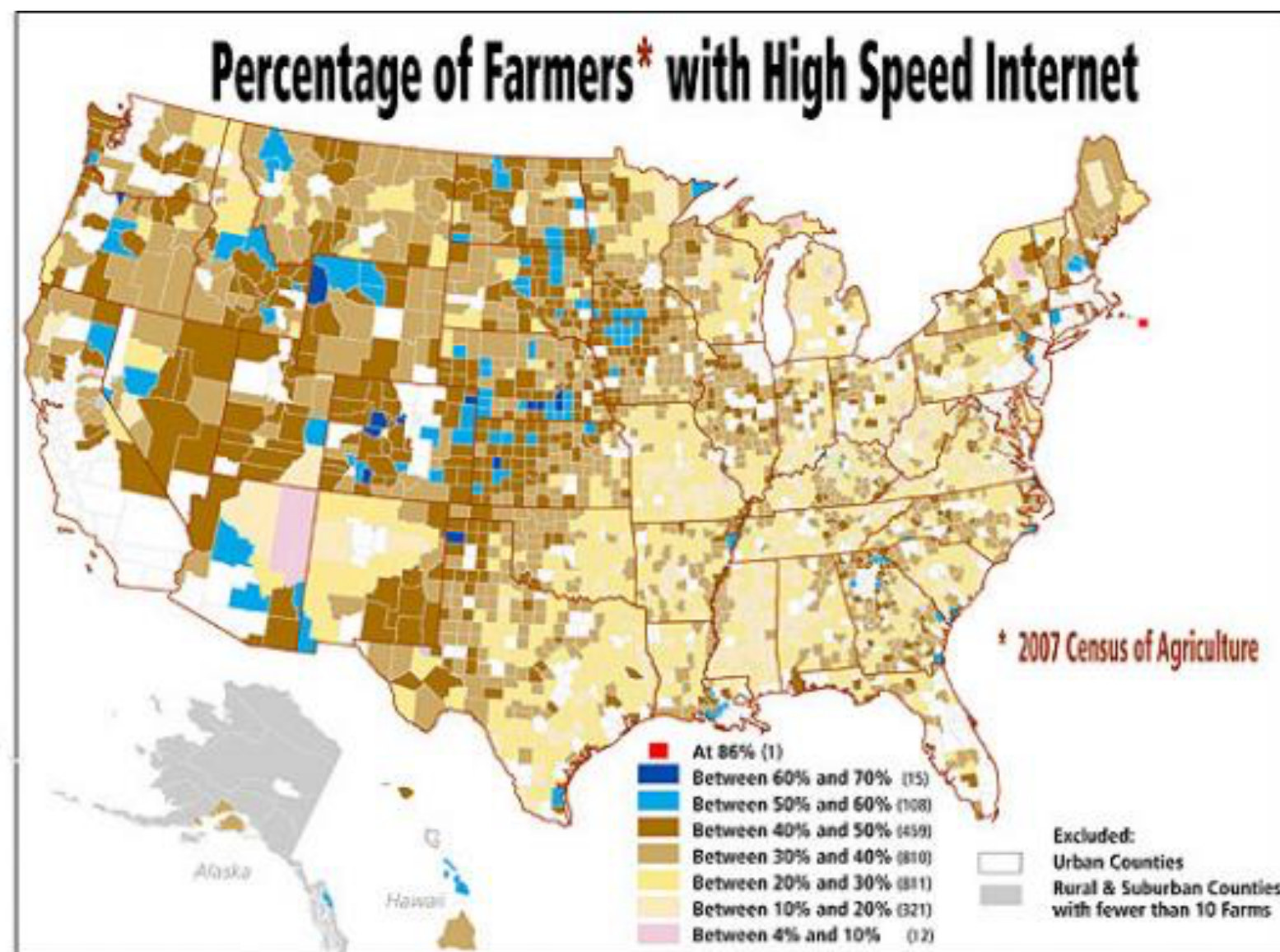


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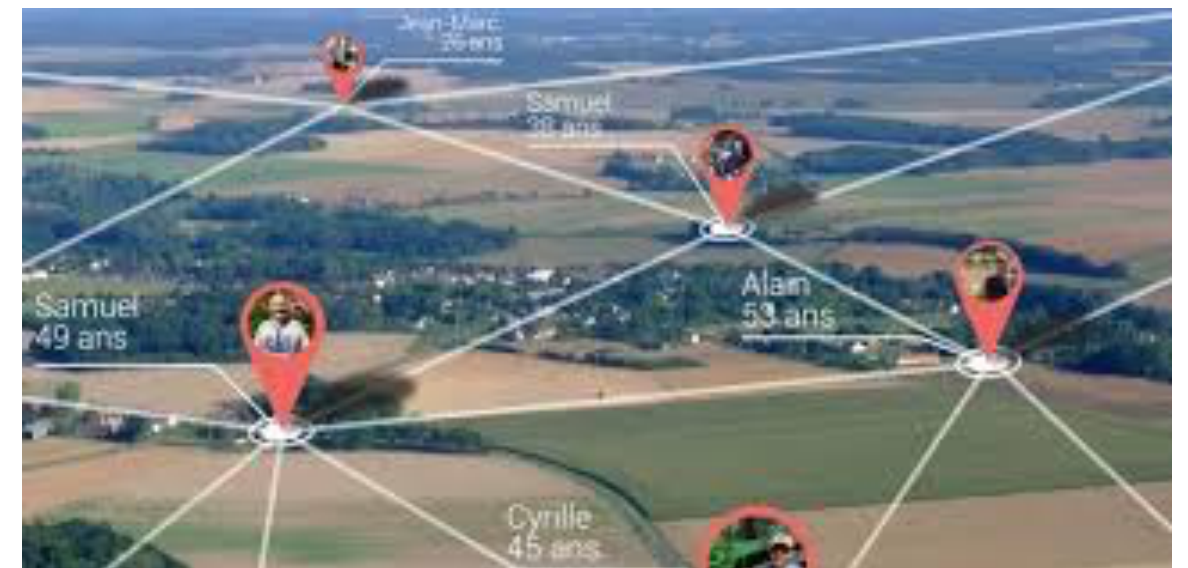
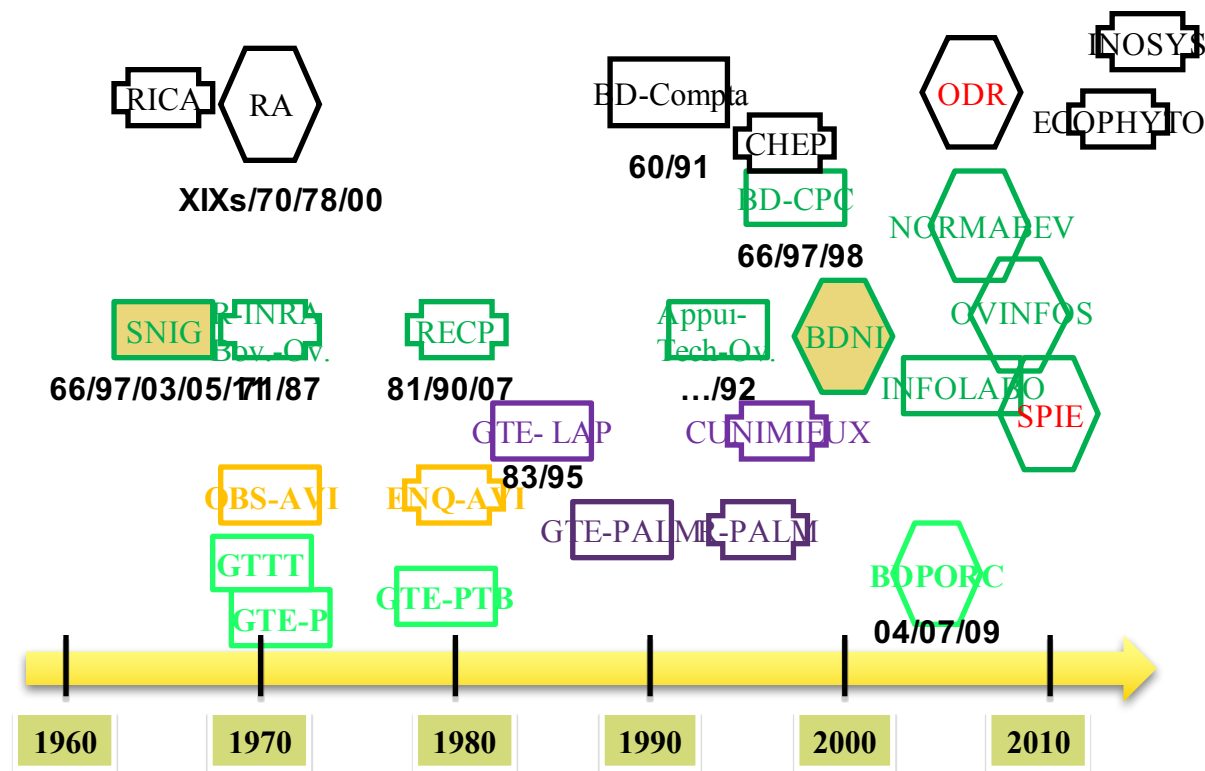
The new challenges for agricultureS

- Access to the Internet and mobile networks,
- Setting-up of big data and open data platforms,
- Skills' development,
- Research



New platforms

From historical proprietary databases to collaborative platforms



New skills to adopt

Transdisciplinary training:

- Electronic
- Information systems
- Agriculture
- Human sciences...



New ways of practicing Research

- Big data collect and analysis
- Trust conditions
- APIs*
- Access to all types of actors (private, public, research...)



API: Application Programming Interface



Conclusion



What could be the results of crossing data that never been be worked together?



Thanks

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