

CHALLENGE-DRIVEN RESEARCH

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French National Institute for
Agricultural Research

A public targeted research institute

With a wide scope



Food

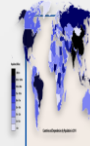


Agriculture



Environment

With a 10-year strategy: 5 thematic priorities = 5 challenges



#Global



#Climate



#3Perf



Food



#Biores

- Based upon agroecology paradigm
- where 'diversity of agriculture' is a lever

13 scientific divisions

to build-up and implement a national strategy at scientific frontiers



- INRA scientific backbone
- 5-year strategic roadmaps
- Evaluation by international committees



Inra “Metaprograms” Addressing challenges

Metaprogrammes have been established to develop **‘transdisciplinary’** approaches

- › With the aim to address, through research, **cognitive or socio-economic challenges (=terra incognita)**
- › To create **new scientific communities**
- › A tool to increase the **consistency** and **coherence** of our research
- › A tool to foster, and align with, **national and international partnerships**

Inra “Metaprograms”

Overcoming disciplinary boundaries



8 metaprogrammes



ACCAF

Adaptation of agriculture and forestry to climate change



GLOFOODS

Transitions to global food security (CIRAD & INRA)



DIDIT

Determinants and impacts of the diet: interactions and transitions



M2E

Meta-omics of microbial ecosystems



ECOSERV

Agriculture and forest ecosystem services



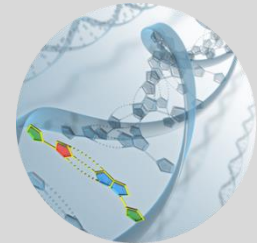
SMACH

Sustainable management of crop health



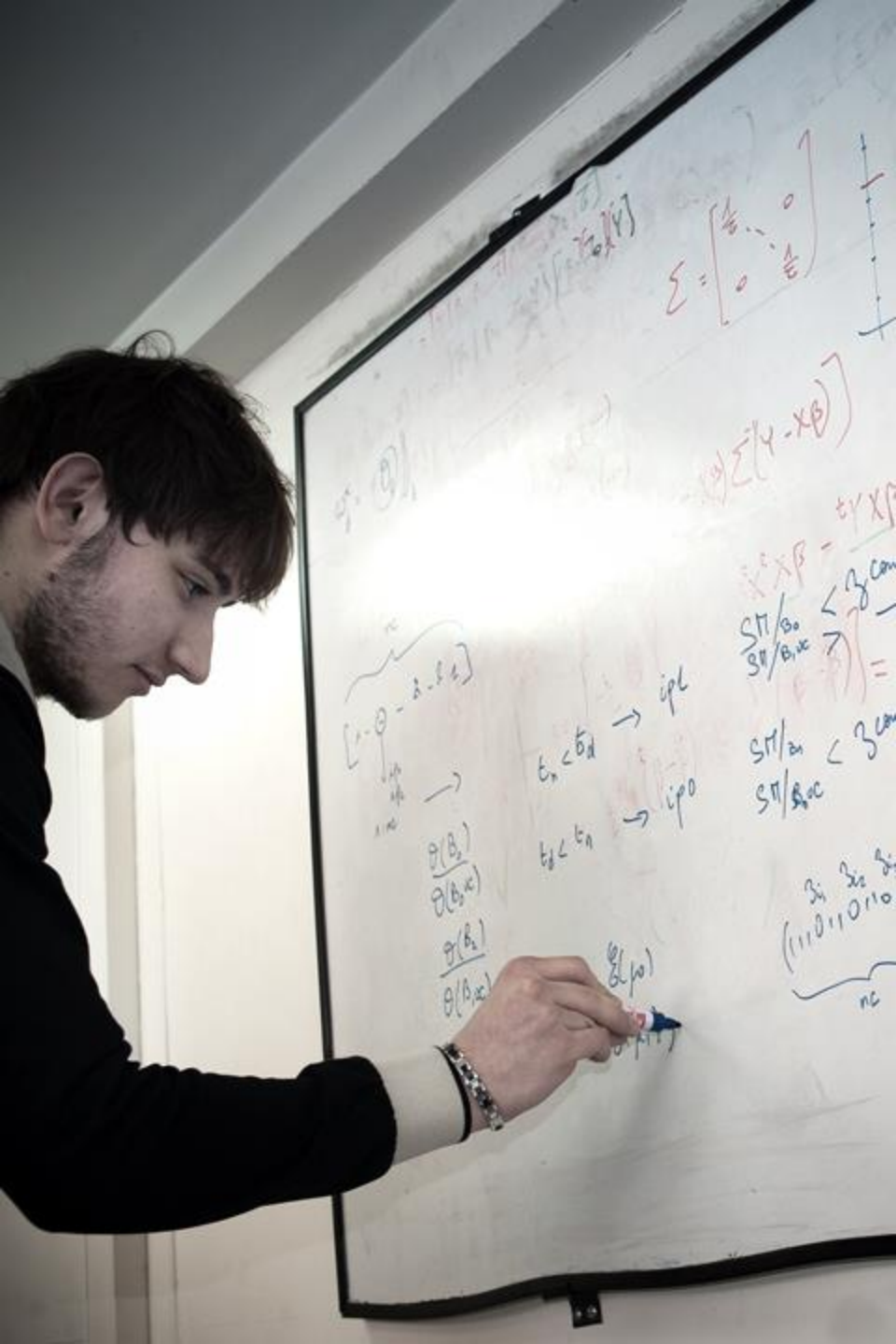
GISA

Integrated management of animal health



SELGEN

Genomic selection (Bovine, Wheat, others)



Emerging conceptual frameworks

Challenge-driven research and new concepts

- › **Bioeconomy**
- › **Agroecology**
- › **Microbiomes**
- › **One Health to Health Nexus**

Thank you for your attention

