

Organic
agriculture

Green Agenda

Climate Change Adaptation in Livestock

Brief summary of nationals' reports

Scientific research

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Status and ongoing activities

- End of September - first drafts delivered
- Comments of the reports - mid November
- Corrections - to be incorporated
- Finals reports by **Dec 1**.

Reports' content

- Predefined chapters and tables
 - Exposure
 - Adaptive capacity
 - Best adaptive practice
 - Legal & political framework
 - Documentation
 - Identification of gaps
 - Conclusions

Exposure - meteorological data availability and accessibility

- Climate change – recognized impact
- Meteorological data - national institutions
 - Differences in spatial, parameters measured and time distribution
- Publicly available data – summarized, limited time series, published (pdf)
- Forecast data limited to short period
- Warning system to some extent

Exposure - extreme weather events

- Recorded extreme events - general
- Less data available - livestock farms affected
- No systematic monitoring - specific to livestock
- Records for damages caused - rear (data not publicly available, different institutions)
- No heat stress risk assessment for livestock (THI)
 - THI future modelling is feasible (support needed)

Adaptive capacity

- Farmer's adaptive practices
- Generally Expert opinion
 - No systematic approach
 - Farmers own initiatives (farmers aware of need for adaptation)
 - Ongoing projects adaptation measures
 - Mostly accommodation & to some extend in feeding
 - Nothing in breeding and welfare
- Training is needed

Legal & political framework

	Status
UNFCCC reports	+++
National strategies	+/-
Action plans	+/--
Measures in IPARD related to CC	+/--
Measures in national RD programs related to CC	-/--
Livestock specific adaptive measures (except insurance)	---
Isntruments for monitoring	---

Legal & political framework

Issues

- CC coordinated by Ministry of Environment (mostly mitigation)
- Ministry of Agriculture almost not involved
 - Challenges
 - knowledge, resources, infrastructure
 - legal acts/regulations
 - Initiatives
 - projects

Gaps

- Perception of climate change
- Evidence of negative impact on production and economic (scientific, professional, strategic)
- Strategic approach
- MoA – role, form passive to active
- Capacities
- Continuous projects (research, impact, implementation)
- Monitoring as routine

Gaps

Data

- not sufficiently systematized,
- unified databases, indicators, usefulness
- Meteorological (historical) data - no public access (not suitable)
- Not published evidence of negative impact on production and economic (scientific, professional, strategic)

Gaps

Capacities

- Limited knowledge
- Mostly in academia
- Field experts
- Skills
- Equipment

Conclusion

- Progress so far done by other projects
- Horizontal coordination MoE and MoA
- System for continuous adaptation measures
 - Strategic documents, Action plans, Monitoring, R&D, IPARD and RD programs
- Cooperation with Mateo Institutions
- Fast knowledge transfer (international, national, regional)
- Sustainable system for progress monitoring
- Needs for support