



Directorate for nature management

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Research versus management

- The general theme today is research
- Where does research end and management start?
- Are limitations/restriction/ethics different if the use of animals is management-initiated?





Research versus management

- Where does research end?
 - Basic research
 - Research councils
 - Universities
 - Institutions
 - Business/firms
 - NGO's
 - Management organisations





Directorate for nature management

- Finances research by several institutes
- Initiates research and monitoring
- Initiates reuse by additional sampling
- Initiates standard methods
- Requires a given methodology
- Give permits for capture





Examples!

- Grants permits to kill/capture/translocate
- Grants permits to capture and tagging/radiomarking
- **MOOSE**- regional/local management needs for data on area use and seasonal migration. Is this a research project because capture/handling is executed by a research facility/institution?





Examples contd.

- Carnivores: Is a demographic study combined with area use different from the use of a Judas-transmitter to locate and kill non-marked individuals
- Invasive species: Are ethics in capture/handling different if culling is the management goal?





To solve the puzzles of management
compromises must be found.





In numerous, highly viable populations, information on habitat use and response to land utilisation, together with long-term monitoring, forms the basis for any management decision.





Large carnivores are low in numbers, generate conflicts and management options depend on political decisions both on local and national level.





Management balances between conservation and husbandry, with the overall goal of sustaining viable populations.

Single individual reference data with a high degree of accuracy are needed.





Use of radio collars on alien invasive species is a viable option to accomplish international and national objectives.





Conclusions

- Managers have a different role than researchers
- Even if there are diffuse borders between professions, some level of differentiation will be needed.
- Consequently, a clarification of regulations and ethics is needed to ensure that wildlife management and animal welfare authorities are sufficiently coordinated and consistent





The Directorate will continue to grant permits and regulate the use of wildlife in research.

The Directorate will also work to avoid making the research institutions "hostage" to management needs

