

Cost-benefit analysis for control of greater Canada goose *Branta canadensis* in Flanders (N Belgium)

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Further reading

- Reyns N et al. (2018) PeerJ6:e4283



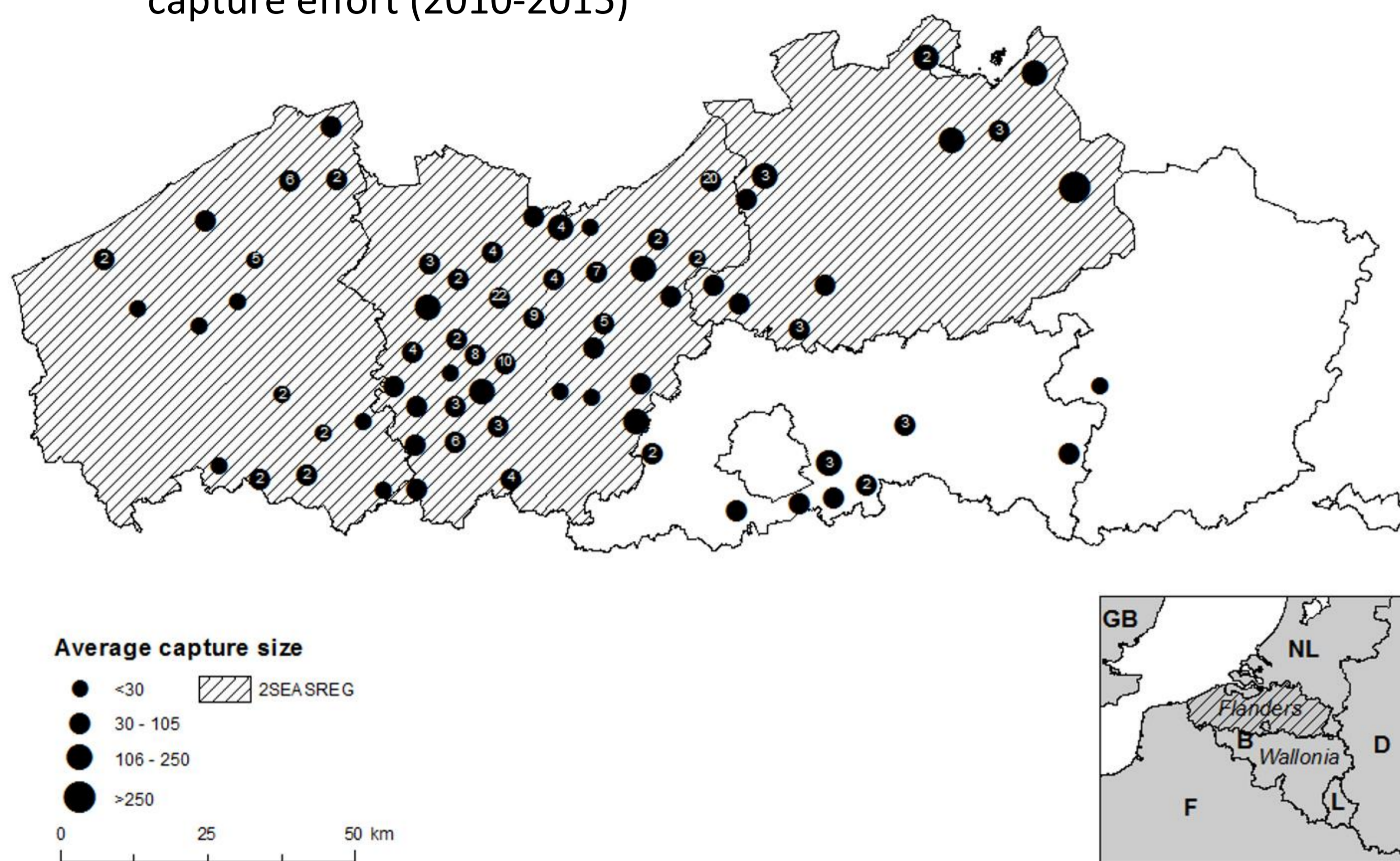
Flanders
State of the Art

Management

- Egg pricking
- Hunting
- Moult captures

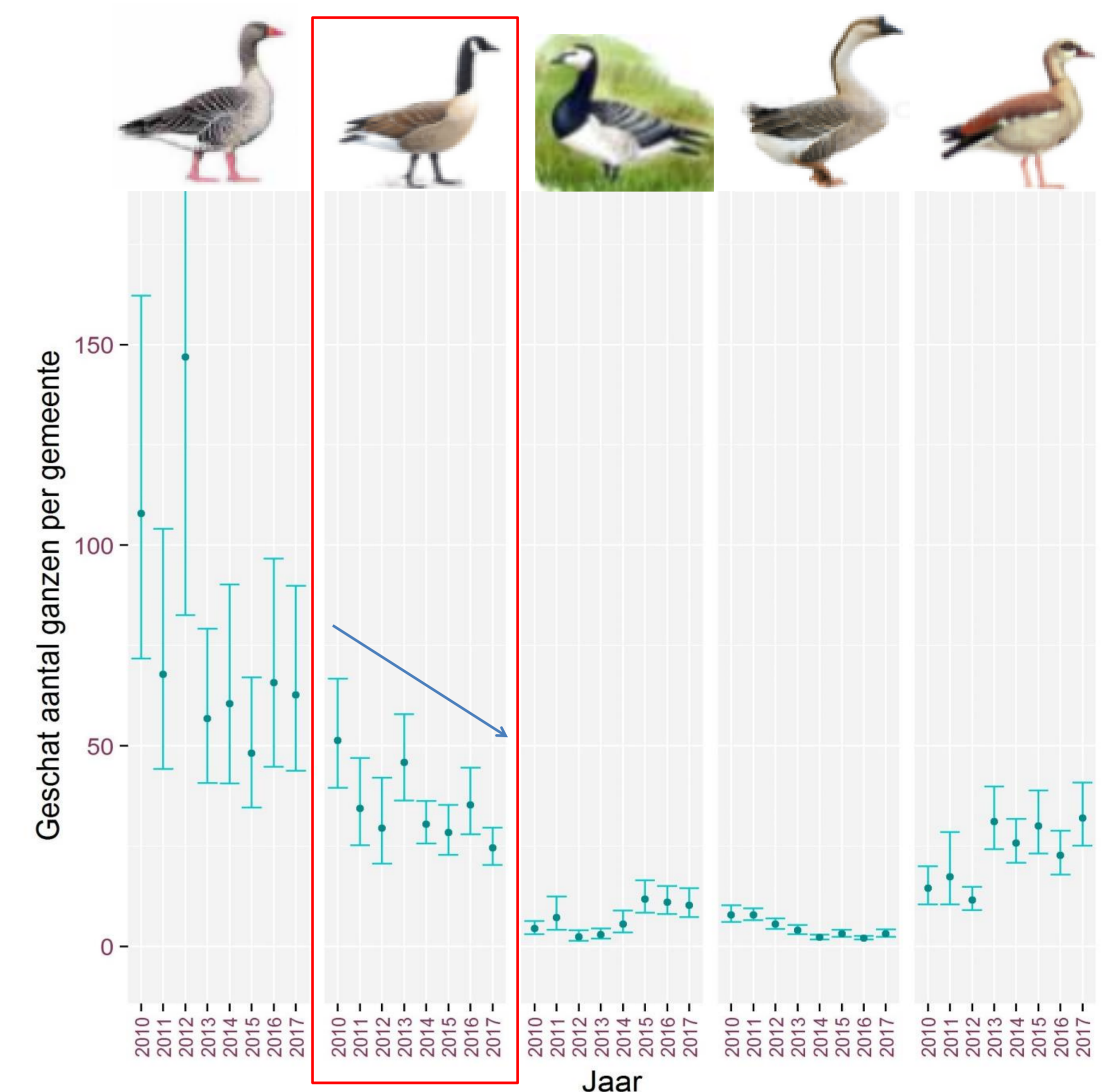


capture effort (2010-2015)



Cost benefit analysis

- Decision support framework
- Data intensive
- Requires many assumptions
- Must consider all costs/benefits



Cost calculation

- + Damage costs
 - Eutrophication (N and P)
 - Agricultural damage (grasslands)
- + Management costs
 - Real data < 6 yrs moult captures
 - Small and large captures
 - ~ capture rate and size

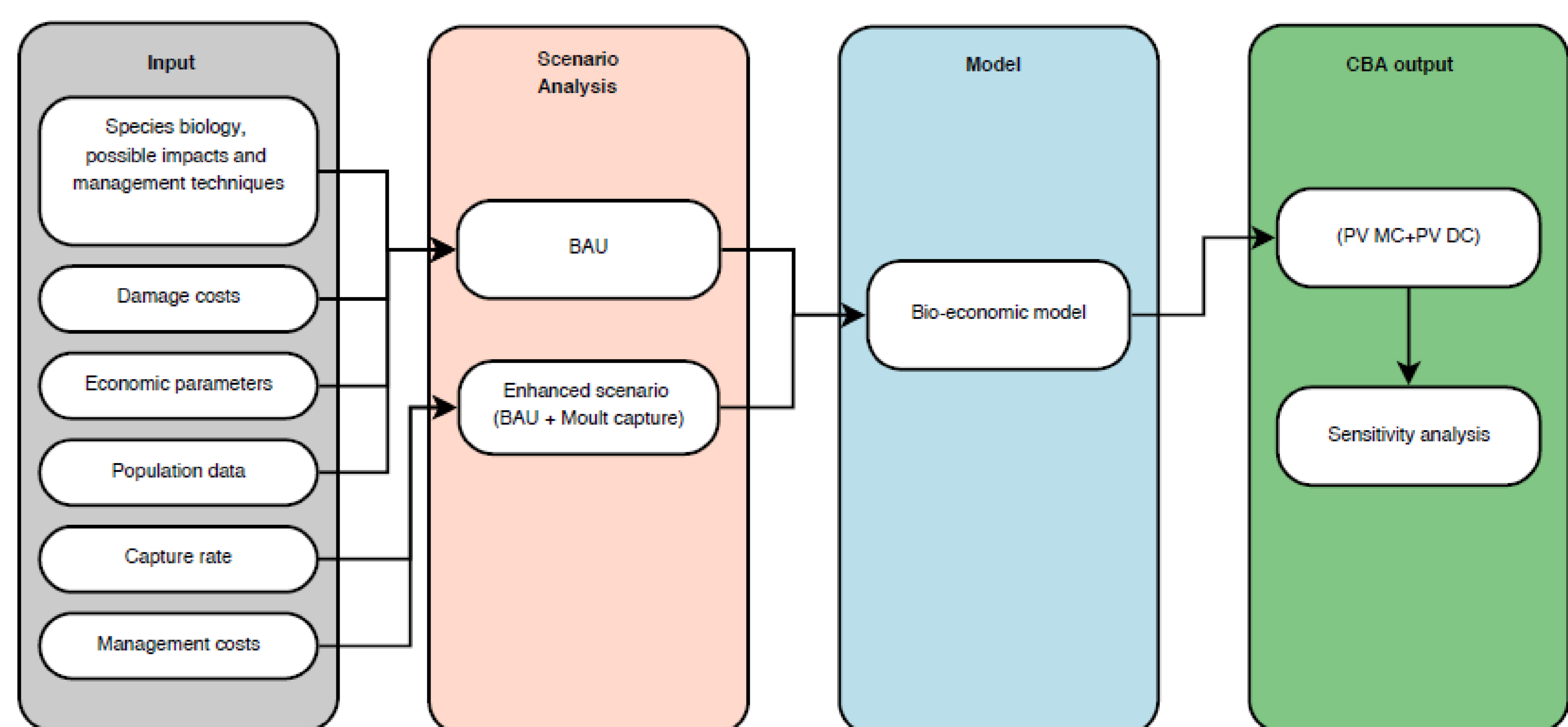
Conclusions

- + captures limit economic impact
- + reduction in damage >> additional management cost
- + avoided damage by 2050 ~ 21-46 M€

Issues

- More refined population models
- Agricultural damage hard to quantify
- Conservation impacts difficult to monetize

Cost-benefit analysis framework



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