Impact of recent findings on development of regulation

Rob Kinnersley and Sarah Watkins

CAPER
April 2016

Environment Agency

translate – filter – impact

Relevant legislation remains the same

Habitats Directive

Industrial emissions directive

Air Quality Directive

Transpositions into UK law
Delivery through regulation

Environment Agency

Principles of regulation

Clear objective

Evidence-based
Proportionate
Targeted
Measurable

Accountability - regulatory impact must be assessed broadly

Environment Agency

Meanwhile, back at the EA ...

...a cleaner, healthier environment which benefits people and the economy; a nation better protected against natural threats and hazards; higher visibility, stronger partnerships and local choices.

- *Yes, if*
- *Think big, act early, be visible*
- *Seek partnership and show leadership*
- *Focus on outcomes not processes*
- *Embrace difference: include everyone*
- *One team: support and trust each other to do the right thing*
- *Stay safe and grow: invest in the wellbeing and development of all our staff*

sets out the principles we will use to make choices about what we do: put people and wildlife first; focus on the 20% that makes 80% of the difference; support local priorities.

Environment Agency

Impact of NERC/EA Fellowship

- Better understanding of how/where dynamic modelling can help wrt assessment/options
- Firm evidence to inform decision to continue/not continue biomonitoring permit condition
- Better understanding of what might constitute defensible regulation

GREAT JOB, CHRIS -
THANK YOU

Environment Agency

Thresholds

- Thresholds report
- Reviewing approach to thresholds
- Curvilinear response
- Critical levels and loads?
- Permission to discuss!

Environment Agency

Thresholds

"No appetite for anything increasing burden on industry"

MacDonald report on Farming Regulation

Calculate cost of ammonia reduction

Bittman et al 2014

Calculate benefit of ammonia reduction

Government's Green Book

Environment Agency

Science gaps

- Review, streamline and simplify permitting

  - Reducing uncertainties
  - Spatial resolution / site specific critical loads / modelling
  - Are critical loads/levels the best tool?
  - In combination assessment
  - Definition of harm – what level of harm is acceptable
  - Define and prioritise conservation objectives - “Pandas”
  - Cost benefit information
  - Evidence of harm / source attribution / confounding factors

Environment Agency