

What is a reasonable wildlife response?

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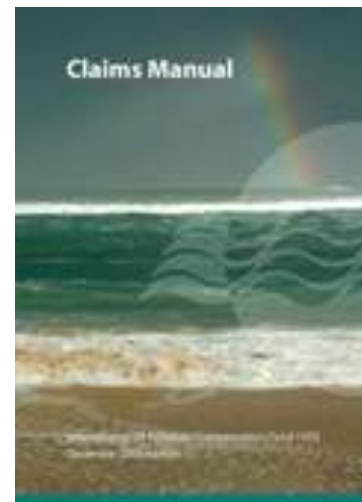
Interspill, 14 March 2012



Background

- Reasonableness is subjective
- Opinions count
- Response costs compensated?
 - Objective technical evaluation
 - Proportional (size of spill);
 - Expected success; and
 - Ability to direct/control operations

(IOPC, 2008; Moller, 1997)



This presentation

- Wildlife response options
- Selecting objectives
 - Critical factors
 - Scalability & setting limits
- Assessing reasonableness
 - How and who
 - Pre-spill planning



Wildlife Response Alternatives

Assessment and Monitoring

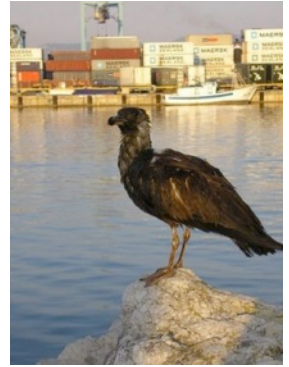
Refrain from Action

Wildlife Specific Prevention

Capture and Rehabilitation

Euthanasia

- Usually a combination of the most of the above



W. Coglein



Refrain from action

No practical alternatives

Safety

Minimal impact

quick dispersion

few animals in area



Monitoring Impacts



Wildlife Specific Prevention



Sensitive Area Geographic
Response Plans

Incident specific response tool
use driven by wildlife
objectives



Deterrence and Hazing

Pre-emptive capture



Collection and Rehabilitation

How will we measure success

What are the factors affecting success

Infrastructure needs

Identifying resources - Setting priorities



Euthanasia

- Purpose
 - Greek - easy death
 - End pain and suffering
- Cultural attitudes
 - Pro and con
- Methods
 - Injection of barbiturates, inhalants, gunshot to the head



Setting Response Objectives



Pre-planning

Examples

Selection

Input



Minimize

Provide public
opportunities



Maximize



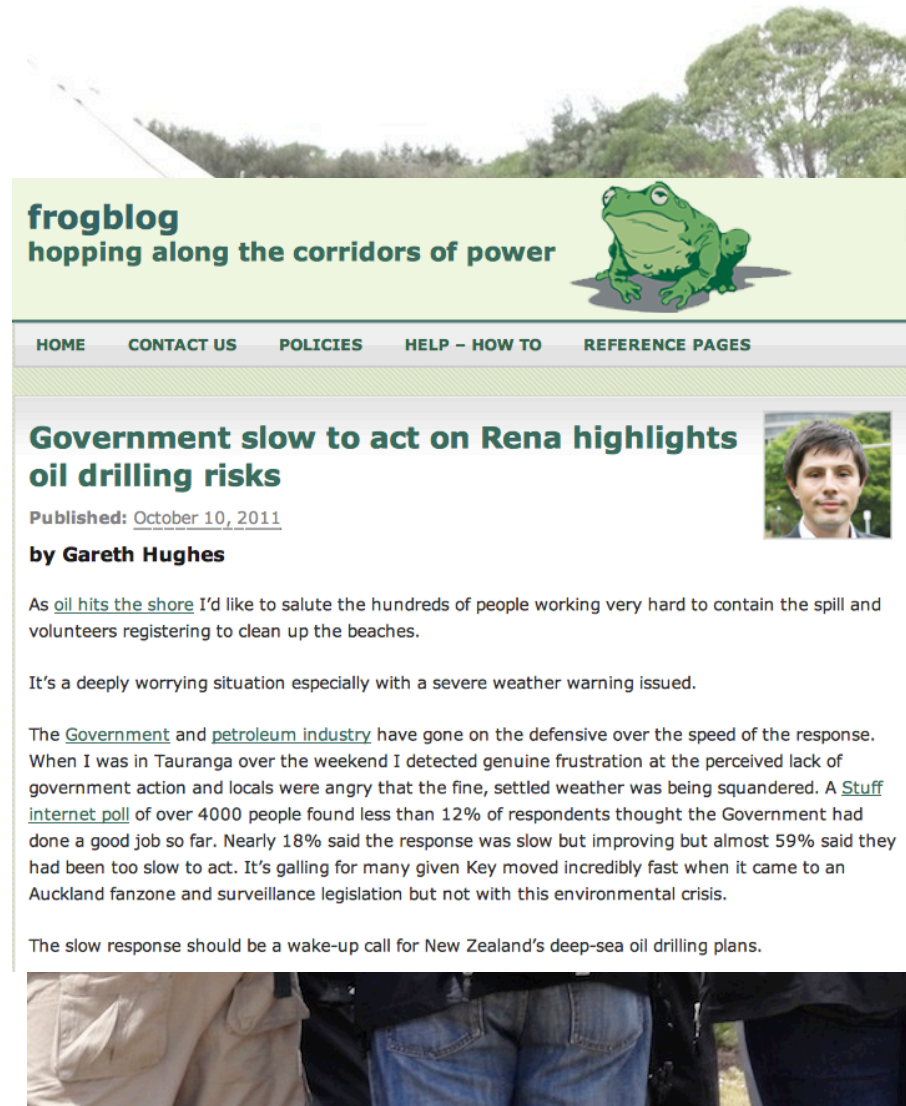
Critical Factors

Preparedness

Resources

Legal Framework

Public, Media,
Politics

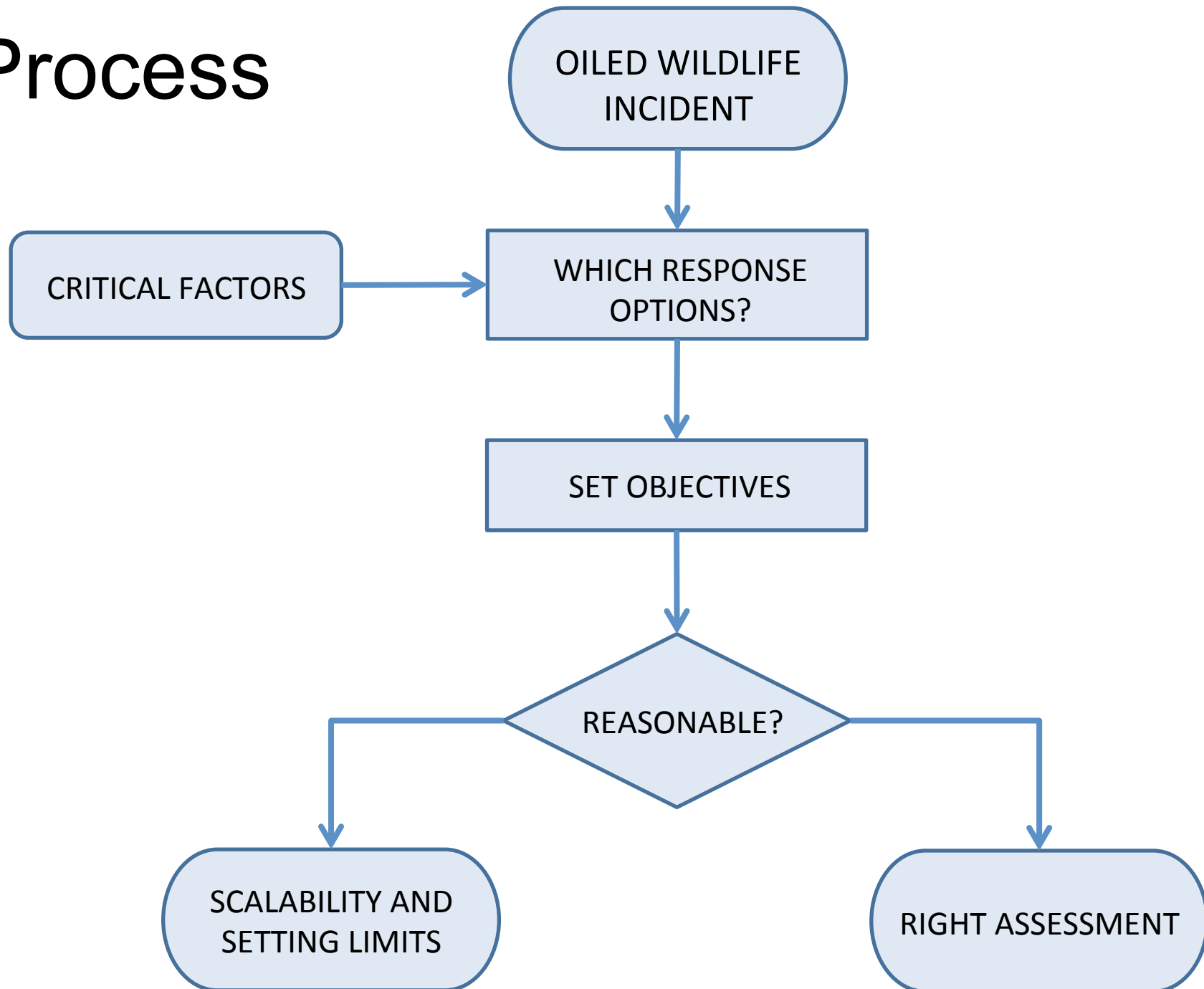


Scalability

Consider
Scenarios
Resources
Limits



Process



Right assessment

1. Level of local preparedness
2. International resources
3. Actual challenges
4. Anticipated costs and cost-efficiency
5. Legal framework
 - Licences
 - Conservation
 - Agency oversight etc.



Who should make the assessment?

Wildlife
responder

Financial
expert



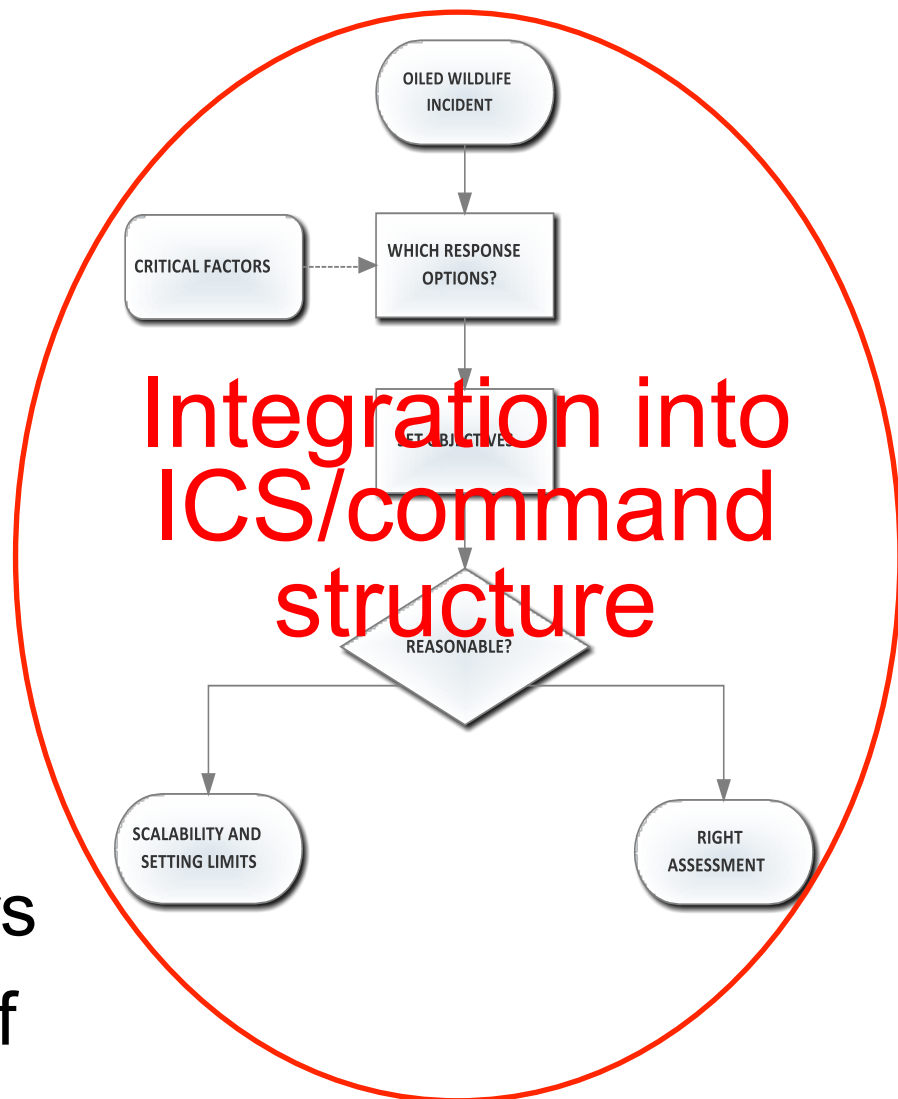
Operational oil spill
manager/ OSC

Resource/
conservation
agencies

Basic understanding of wildlife response needed

Conclusions

- Reasonableness
 - Scalability & setting limits
 - 5 criteria
 - 4 types of expertise
- Key - wildlife response planning
 - Involve stakeholders
 - Maximise chance of cost recovery



Thank you



- Our co-authors Hugo Nijkamp and Paul Kelway



- Additional Photos: Maritime New Zealand, Bill Dwyer, EPA, Ross Brown, USDA

