
Resource Equivalency Methods for Assessing Environmental Damage in the EU

REMEDE

Ece Ozdemiroglu (eftec)

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REMEDE - Resource Equivalency Methods for Assessing Environmental Damage in the EU

Presentation outline

- Why?
- Who?
- What and by when?

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Objectives

“To develop, test and disseminate resource equivalency methods appropriate for determining the scale of complementary and compensatory remedial measures necessary to adequately offset environmental damage.”

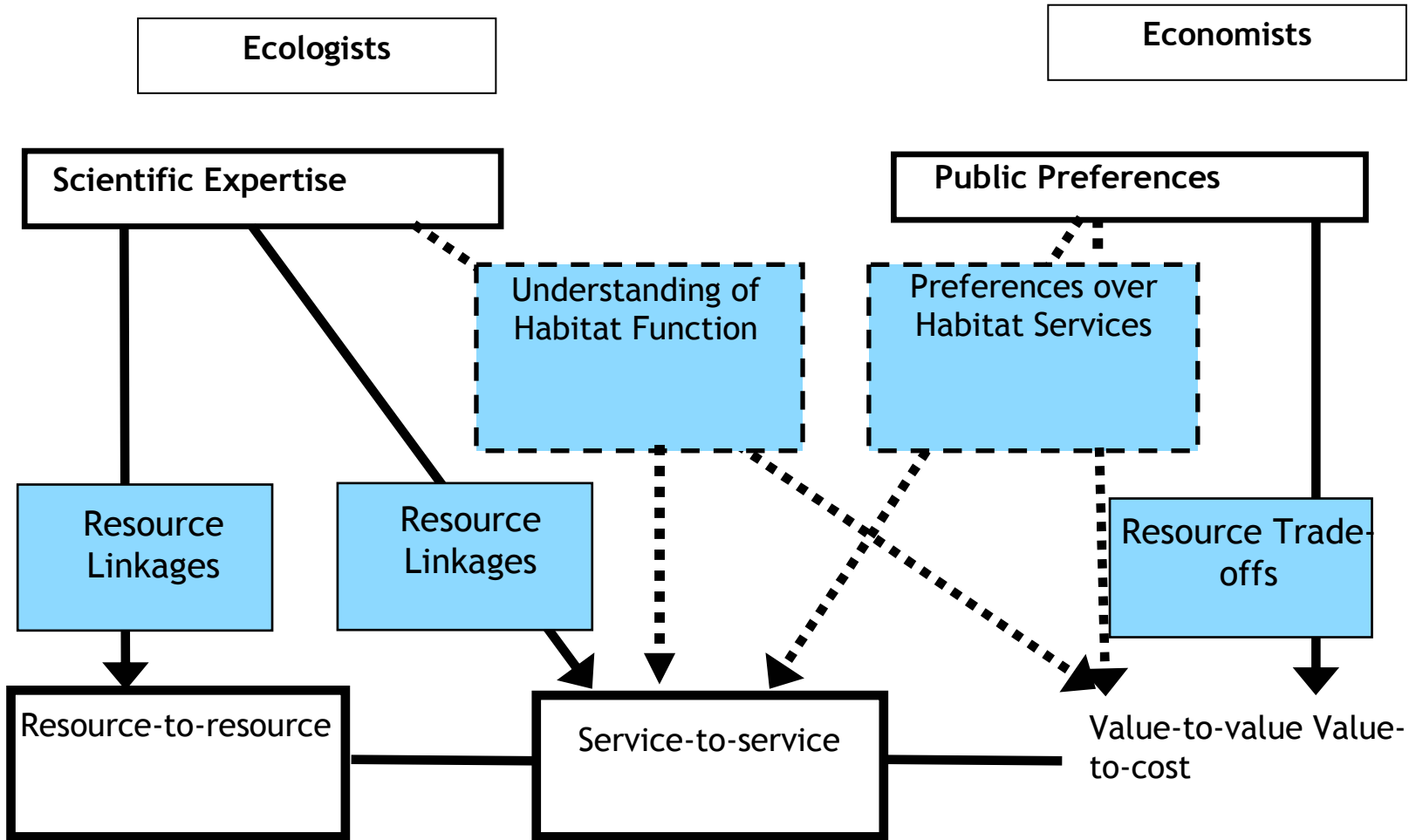
draw from US experience and that of EU Member States

“apply and develop resource equivalency methods in accordance with the requirements of the Environmental Liability Directive and the EIA, and Habitats Directives, in order that a standard toolkit can be applied to all damage cases in the EU.”

Why? - *toolkit to support Annex II*

- Assessing the environmental damage
- Identifying the need for:
 - Complementary remediation
 - Compensatory remediation
- Scaling (a hierarchy?):
 - Resource-to-resource
 - Service-to-service
 - Value-to-value
 - Value-to-cost
- **What types of resources should be remediated and how much remediation is enough?**

Who?



What and by when?

Work Package 1 - Methods development (May 2006 - March 2007)

- Assessing the legal context
- Reviewing the state of the art of resource equivalency analysis
- First draft of the Toolkit

Work Package 2 - Case studies (March 2007 - December 2008)

- Testing and developing the Toolkit through case studies in Spain, Poland and elsewhere in the EU
- Revising the Toolkit in the light of lessons learnt

Work Package 3 - Dissemination

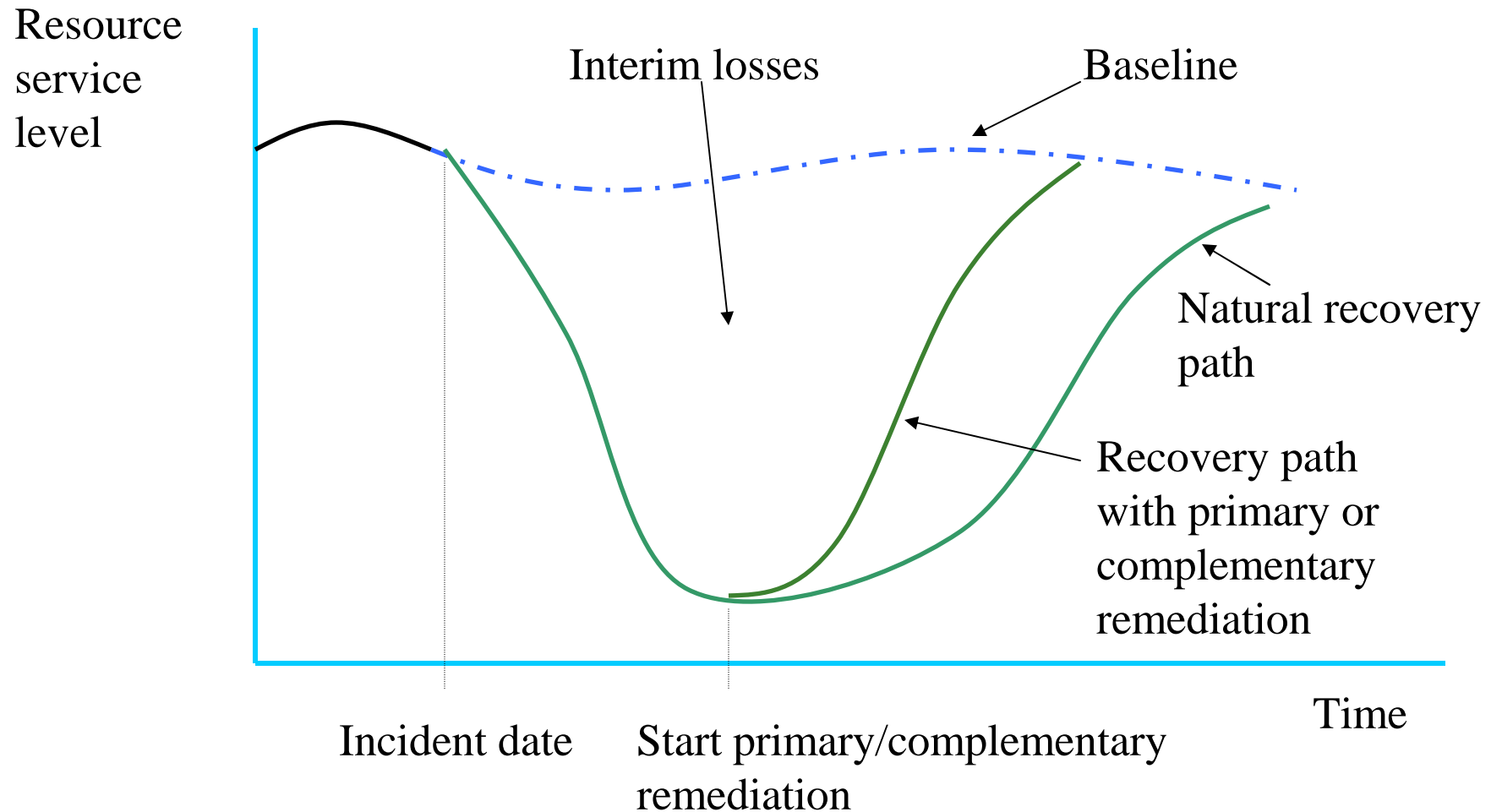
(throughout the project but intensively in Dec.2007 - April 2008)

- Events, materials and final report

WP 1: Methods Development

- **Deliverable 5:** Legal analysis
- **D6A&B:** Review of resource equivalency methods (US&EU);
- **D7:** Survey of Member States;
- **D8:** Outline toolkit;
- **D9:** A consultative expert workshop (Feb 07);
- **D10:** Draft Toolkit (not published)
- **D11:** Selection of case studies.

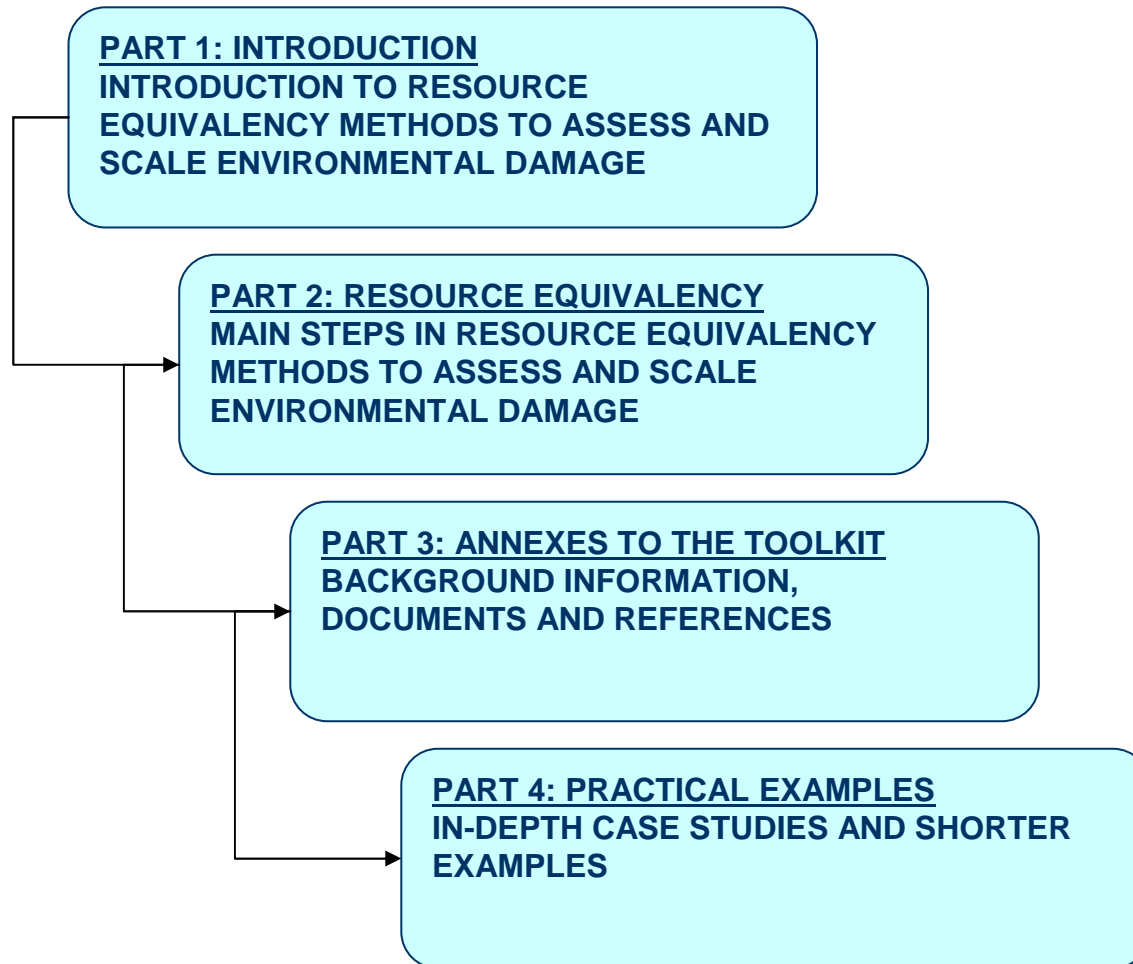
Anatomy of Damages



What's outside the scope of REMEDE?

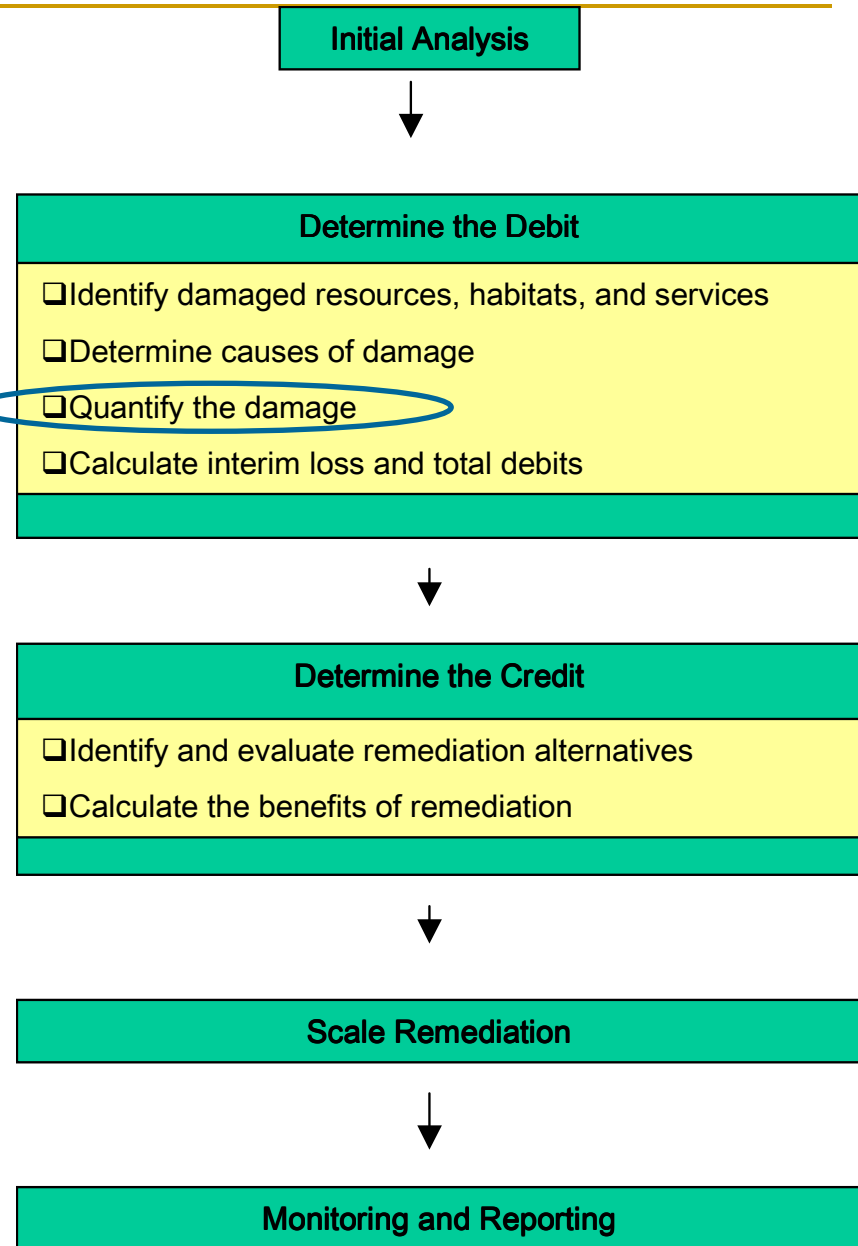
- Determination of significance
 - Damage assessment step could contribute
- Determination of primary restoration
 - Usually doesn't require scaling
- Determination of the baseline
 - Could be stable, declining, improving
 - Site-specific data, data from reference site or modelling data
 - ...possibilities are covered but the choice is not made

Toolkit Structure



Basic steps in RE analysis

- Require determination of
- **Baseline**
 - **Metric**



WP2: In-depth and shorter case studies

- Chemical tank collapse (Sweden)
- Mining spill (Spain)
- Forest fires (Spain)
- Chronic mining pollution (Czech Rep.)
- Visual gas pipe crossing and Via Baltica motorway (Poland)
- River Itchen, UK
- Coastal defence, UK
- Airbus facility, Germany
- Habitat banking, Germany
- Migratory birds, UK and Germany

WP 3: Various dissemination events and publications

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www.envliability.eu

Or contact:

Ece Ozdemiroglu - ece@eftec.co.uk

Bruno Lanz - bruno@eftec.co.uk