

The Nature
Conservancy



Net Positive Impact on Biodiversity in the Ocean - Science Perspectives

Marine Law Symposium - April 20-21, 2023

The Nature
Conservancy



Protecting nature. Preserving life.



Achieving Conservation And Development

10 PRINCIPLES FOR APPLYING THE MITIGATION HIERARCHY

Bruce McKenney & Jessica Wilkinson | Development by Design Program, The Nature Conservancy



April 2015

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Conservancy



Conservando la naturaleza.
Protegiendo la vida.



Logrando Conservación y Desarrollo

10 PRINCIPIOS PARA LA APLICACIÓN DE LA JERARQUÍA DE MITIGACIÓN

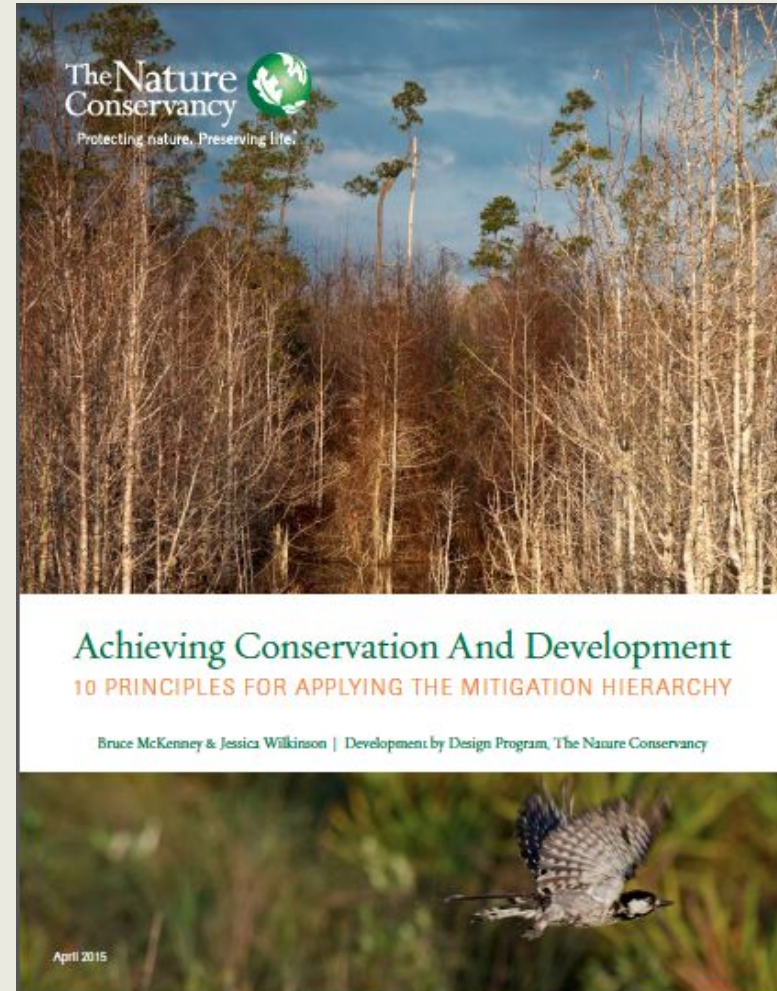
Bruce McKenney y Jessica Wilkinson | Programa De Desarrollo Por Diseño, The Nature Conservancy



Abril de 2015

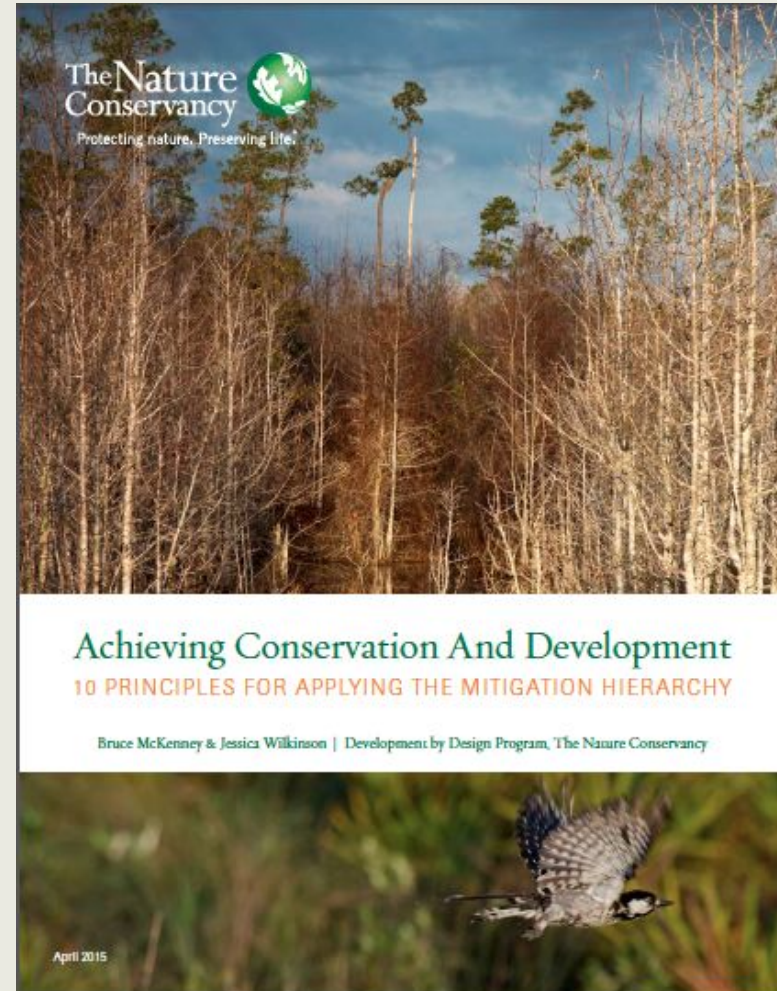
10 Principles for Applying the Mitigation Hierarchy

1. Landscape context
2. Goals
3. Mitigation hierarchy steps
4. Limits to offsets
5. Sustainable outcomes
6. Stakeholder engagement practices
7. Additionality
8. Equivalence
9. Location
10. Temporal considerations



Нөлөөлөл бууруулах дарааллыг хэрэгжүүлэх 10 алхам

1. Ландшафтын түвшинд байх
2. Зорилтууд
3. Нөлөөлөл бууруулах дараалал
4. Дүйцүүлэн хамгааллыг хязгаарлах
5. Тогтвортой байх
6. Оролцогч талуудыг хангах
7. Нэмэлт байх
8. Экологийн хувьд ижил төстэй байх
9. Нөлөөлөлд өртсөн газартай ойр байх
10. Хугацааг харьцангуй тогтоох



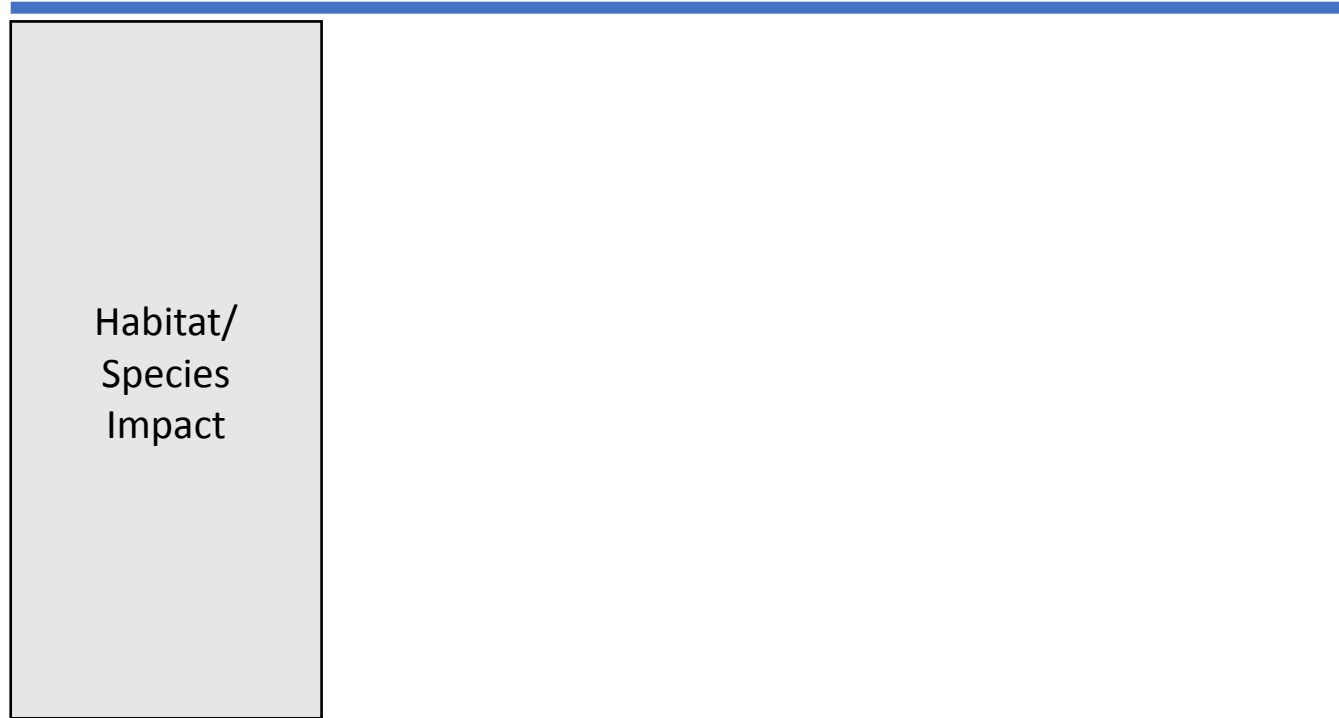
The Mitigation Hierarchy

Pre-Impact
Biodiversity



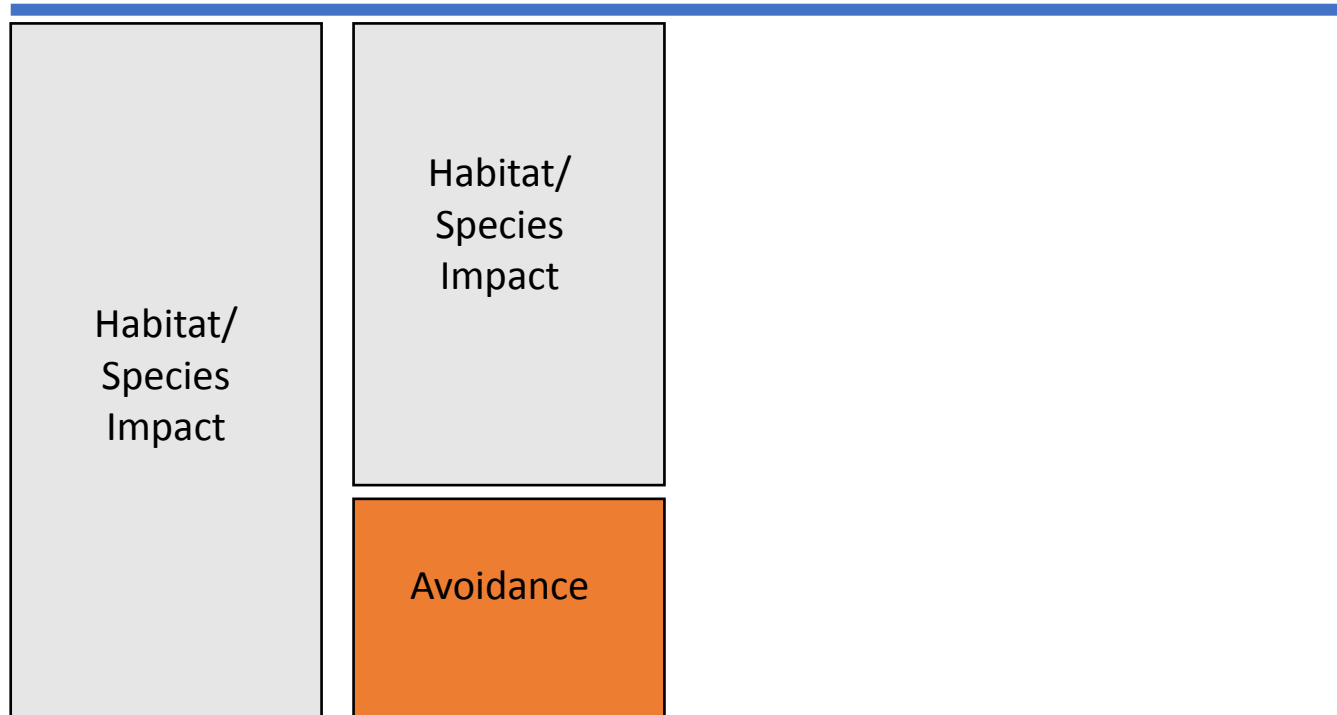
The Mitigation Hierarchy

Net Loss

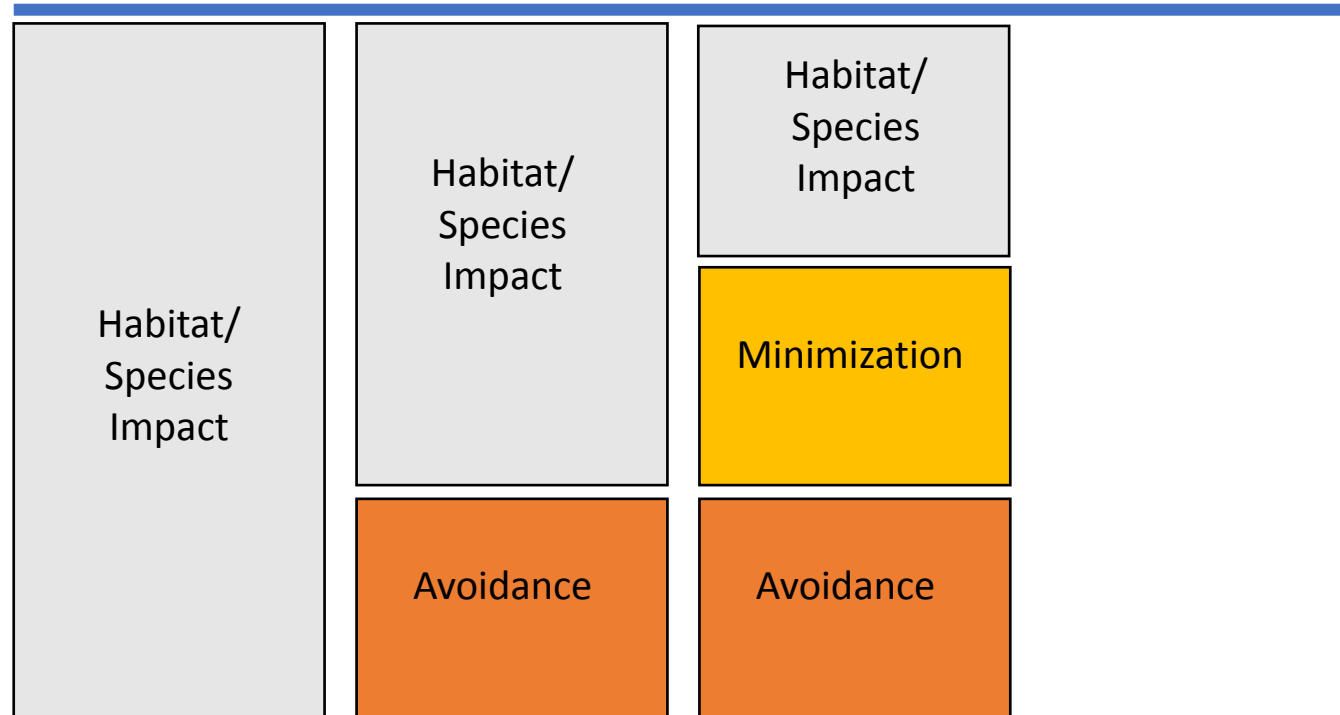


Habitat/
Species
Impact

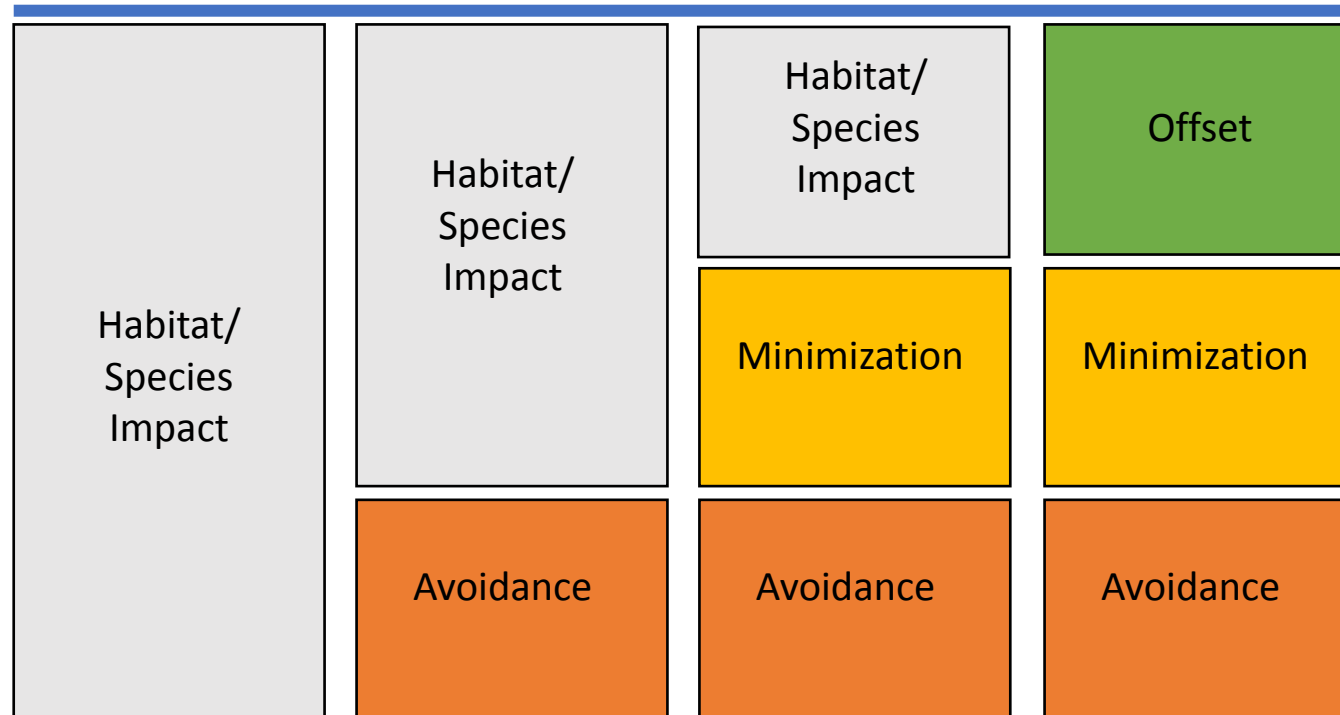
The Mitigation Hierarchy



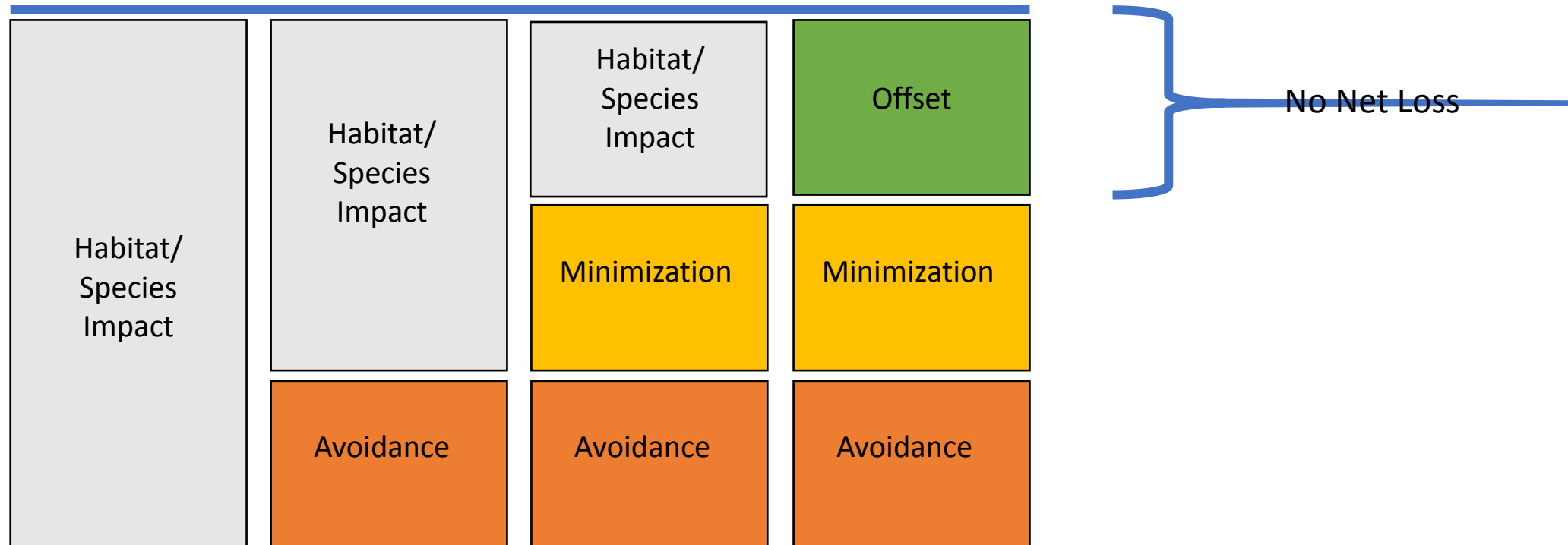
The Mitigation Hierarchy



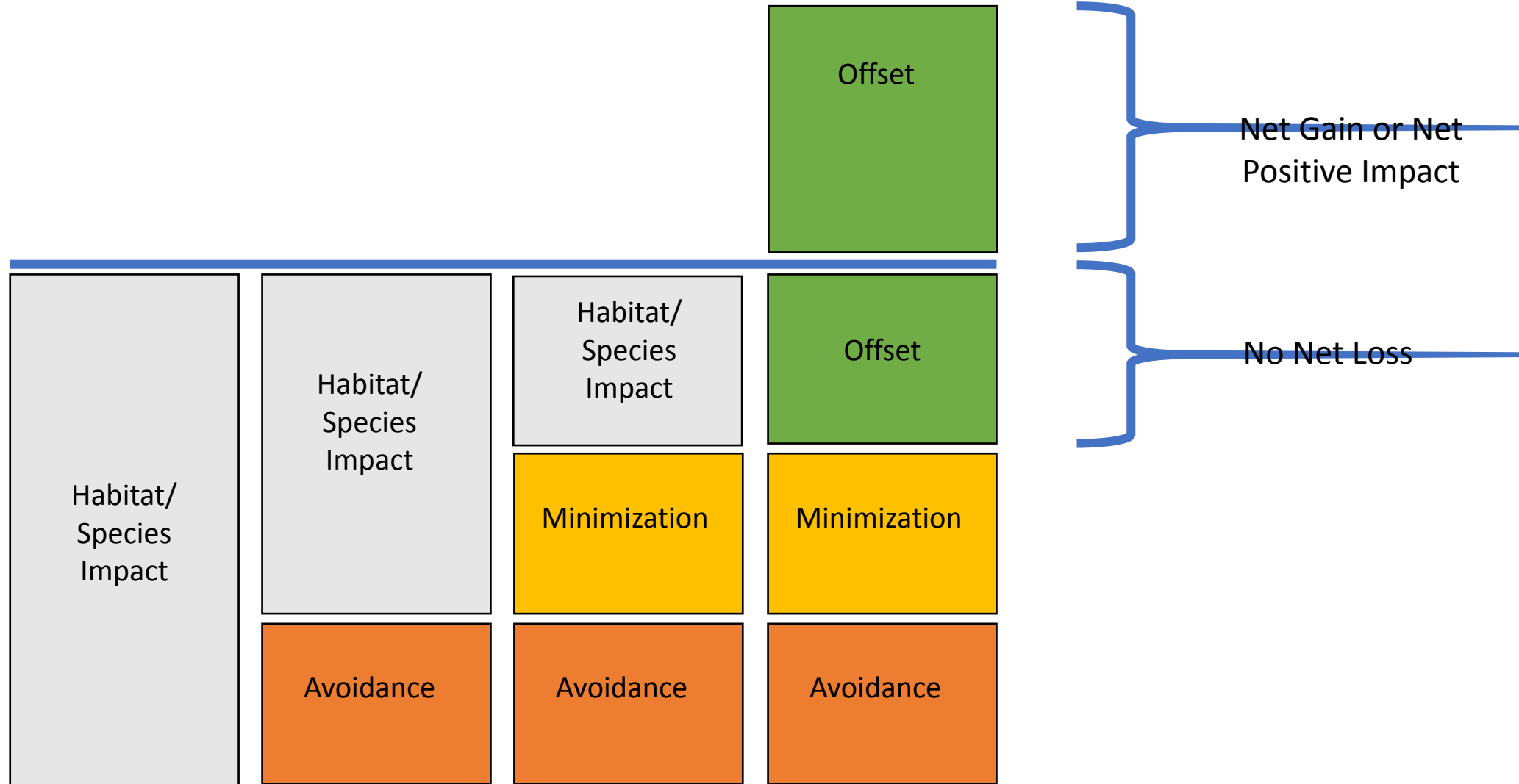
The Mitigation Hierarchy



The Mitigation Hierarchy



The Mitigation Hierarchy



ELEMENTS OF A SUCCESSFUL MITIGATION PROGRAM

Policy goal

Policy scope

Loss/gain methodology

Mitigation hierarchy

Strategic spatial plan

Site selection and service area

Durability criteria and mechanisms

Offset actions/additionality

Exchange rules/equivalence

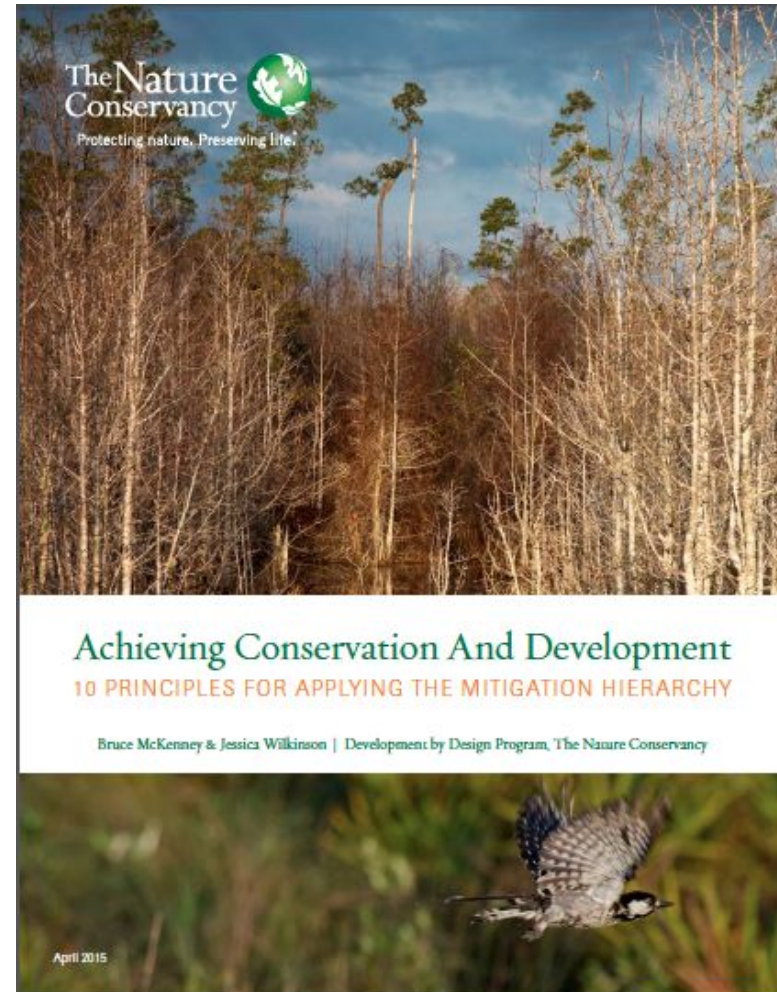
Duration of offset

Performance criteria and standards

Timing of compensation activities

НӨЛӨӨЛӨЛ БУУРУУЛАХ ДАРААЛЛЫГ ХЭРЭГЖҮҮЛЭХ 10 АДУУМ

1. Ландшафтын түвшинд байх
2. Зорилтууд
3. Нөлөөлөл бууруулах дараалал
4. Дүйцүүлэн хамгааллыг хязгаарлах
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9. Нөлөөлөлд өртсөн газартай ойр байх
10. Хугацааг харьцангуй тогтоох



NET POSITIVE IMPACT ON BIODIVERSITY IN THE OCEAN - SCIENCE PERSPECTIVES

- **Dr. Melanie Austen**, Professor of Ocean and Society at the University of Plymouth
- **Dr. Aisling Lannin**, Head of Scientific Evidence and Evaluation, UK Marine Management Organization
- **Dr. Sarah Cooley**, Director of Climate Science at Ocean Conservancy
- **Neil Cousins**, Founder and Director of Bluedot Associates Ltd
- **Aspen Ellis**, PhD student, UC Santa Cruz Department of Ecology & Evolutionary Biology
- **Claire Fletcher**, Senior Principal Consultant and Renewables Lead, The Biodiversity Consultancy
- **Kate Williams**, Director of the Center for Research on Offshore Wind and the Environment, Biodiversity Research Institute (BRI)

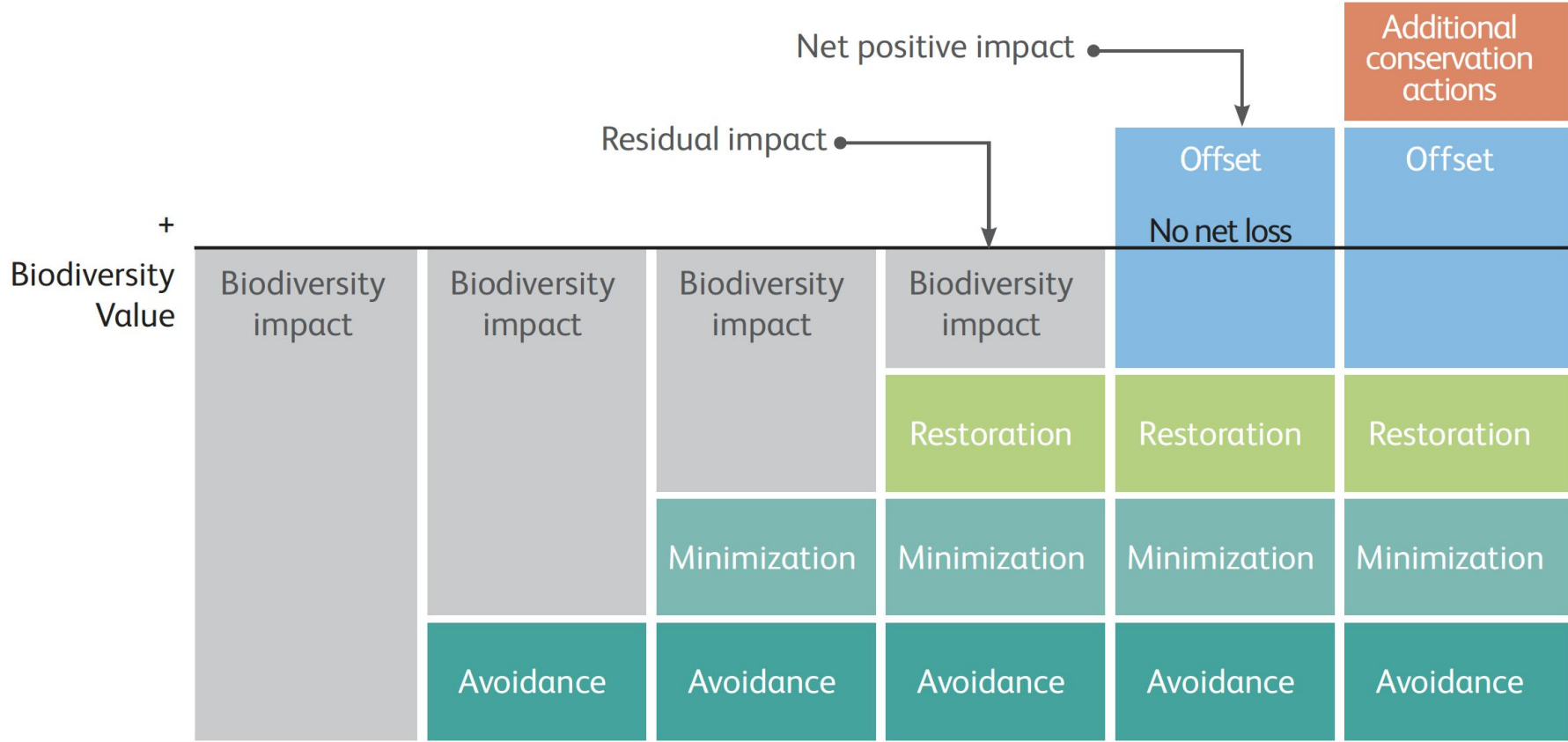
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Thank you!

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Applying the Mitigation Hierarchy for No Net Loss or Net Gain



Source: UN Global Compact and IUCN, 2012.³¹⁰