

# Introduction to biodiversity offsets & BBOP

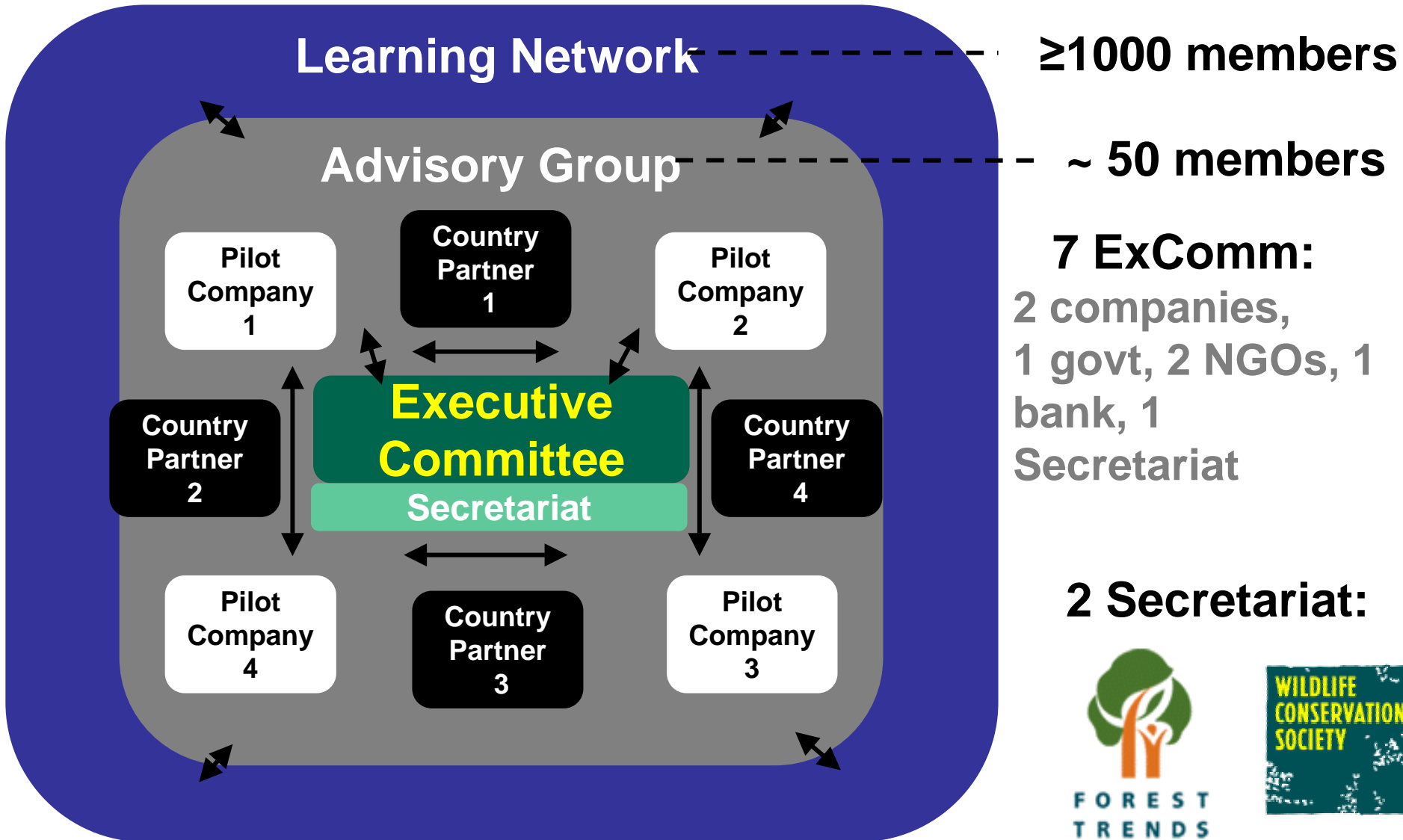
## Business and Biodiversity Offset Programme (BBOP)



**Web:** [www.forest-trends.org/biodiversityoffsetprogram](http://www.forest-trends.org/biodiversityoffsetprogram)

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# BBOP: Structure



# BBOP: Advisory Group

Arup; Environmental Banc & Exchange; Markit Environmental Registry; Newmont Mining Corporation; Nollen Group; Rio Tinto; Response Ability, Japan; Shell International; Sherritt International Corporation / Ambatovy Project; Solid Energy, New Zealand; KfW Bankengruppe; Mizuho Corporate Bank; European Bank for Reconstruction & Development (+ 10 consultants) New Zealand Department of Conservation; Department of Sustainability & Environment, Government of Victoria, Australia; Ministry of Ecology, Energy, Sustainable Development, and Spatial Planning, France; Ministry of Housing, Spatial Planning, and the Environment, The Netherlands; National Ecology Institute, Mexico; South African National Biodiversity Institute; United States Agency for International Development; International Finance Corporation; International Union for the Conservation of Nature (IUCN) ; Ramsar Convention on Wetlands; United Nations Development Programme; United Nations Environment Programme – World Conservation Monitoring Centre; BirdLife International; Biodiversity Neutral Initiative; Brazilian Biodiversity Fund (FUNBIO); Centre for Research-Information-Action for Development in Africa; Conservation International; Ecoagriculture Partners; EcoTopia Science Institute, Nagoya University; Fauna & Flora International; Forest Trends; International Institute of Environment and Development ; Royal Botanic Gardens, Kew; The Nature Conservancy; Tulalip Tribes, US; Wildlife Conservation Society; WWF-UK; Zoological Society of London

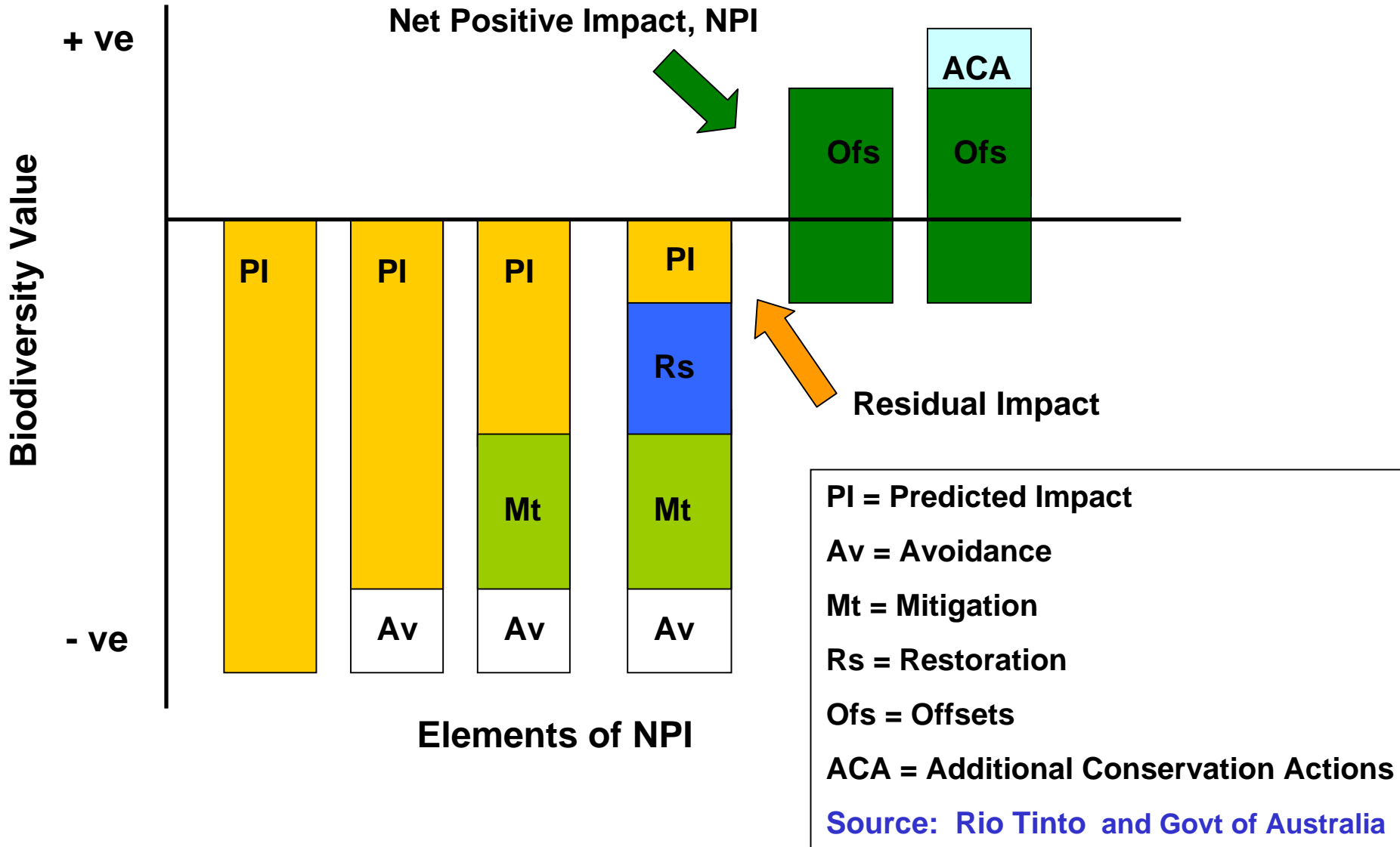


# Phase 1 BBOP pilot projects

- Shell International, GTL project, Qatar
- Newmont Ghana Gold, Ghana
- Anglo American platinum mine, South Africa
- Sherritt Int'nal nickel mine, Madagascar
- Residential construction, USA
- Solid Energy coal mine, New Zealand



# The mitigation hierarchy and biodiversity offsets



# Definition

**Biodiversity offsets** are **measurable conservation outcomes** resulting from actions designed to compensate for **significant residual adverse biodiversity impacts** arising from project development after **appropriate prevention and mitigation** measures have been taken.

**The goal** of biodiversity offsets is to achieve **no net loss** and **preferably a net gain** of biodiversity **on the ground** with respect to **species composition**, **habitat structure**, **ecosystem function** and **people's use and cultural values** associated with biodiversity.



# Principles for biodiversity offsets

1. *No net loss*
2. *Additional conservation outcomes*
3. *Adherence to the mitigation hierarchy*
4. *Limits to what can be offset*
5. *Landscape Context*
6. *Stakeholder participation*
7. *Equity*
8. *Long-term outcomes*
9. *Transparency*
10. *Science and traditional knowledge*



# Three ways to implement offsets or compensatory conservation:

- **Developer** and/or partners (NGO, consultant, multi-stakeholder group) undertake the offset
- **Payment** to a government authority 'in lieu'
- Developer buys sufficient '**credits**' from a landowner or conservation bank to offset its impacts.





# Integrate offsets into planning

## **EIA process:**

- Cost effective to incorporate biodiversity offset planning into the EIA process.
- A good EIA can do much of the work of designing a biodiversity offset



## **Strategic Environmental Assessment:**

- For a regional plan (eg many projects within a region)

# Priorities to July 2012:

## Business, Biodiversity Offsets and BBOP An Overview



- **POLICY:** Country-level partnerships, advice on offset policy development, land-use/bioregional planning, aggregated offsets, conservation banking
- **PILOTS:** More & varied pilots (sectors, countries)
- **GUIDELINES:** Improved guidelines on offset design and implementation
- **TRAINING:** Training and capacity building
- **COMMUNICATIONS:** Communications and BBOP's work as a global forum
- **ASSURANCE:** Verification and auditing protocols

# Thank you!

**WWW.**

**forest-trends.org/biodiversityoffsetprogram/**

**or contact: bbop@forest-trends.org**

