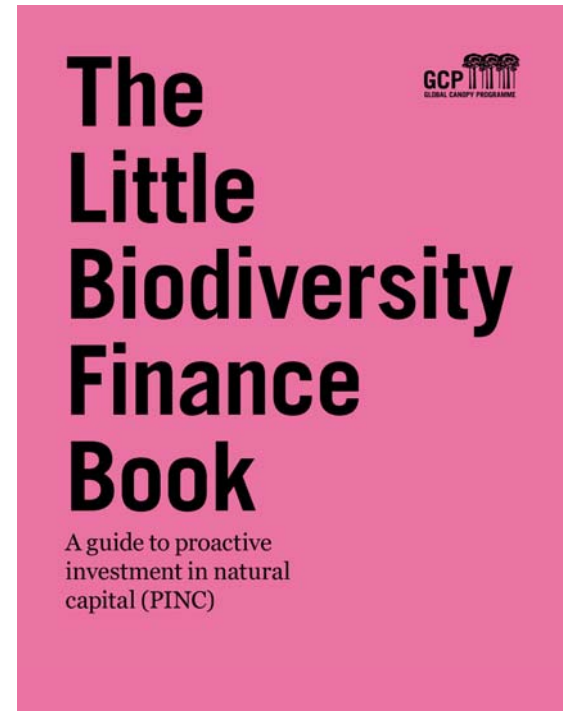


# THE LITTLE BIODIVERSITY FINANCE BOOK

*A guide to proactive  
investment in natural  
capital (PINC)*

**Andrew Mitchell**  
Founder and Director  
**Global Canopy Programme**



# QUESTIONS

- How do we value biodiversity?
- What is the cost of conservation?
- How much are we currently spending?
- How do we fill the gap?



GLOBAL CANOPY PROGRAMME

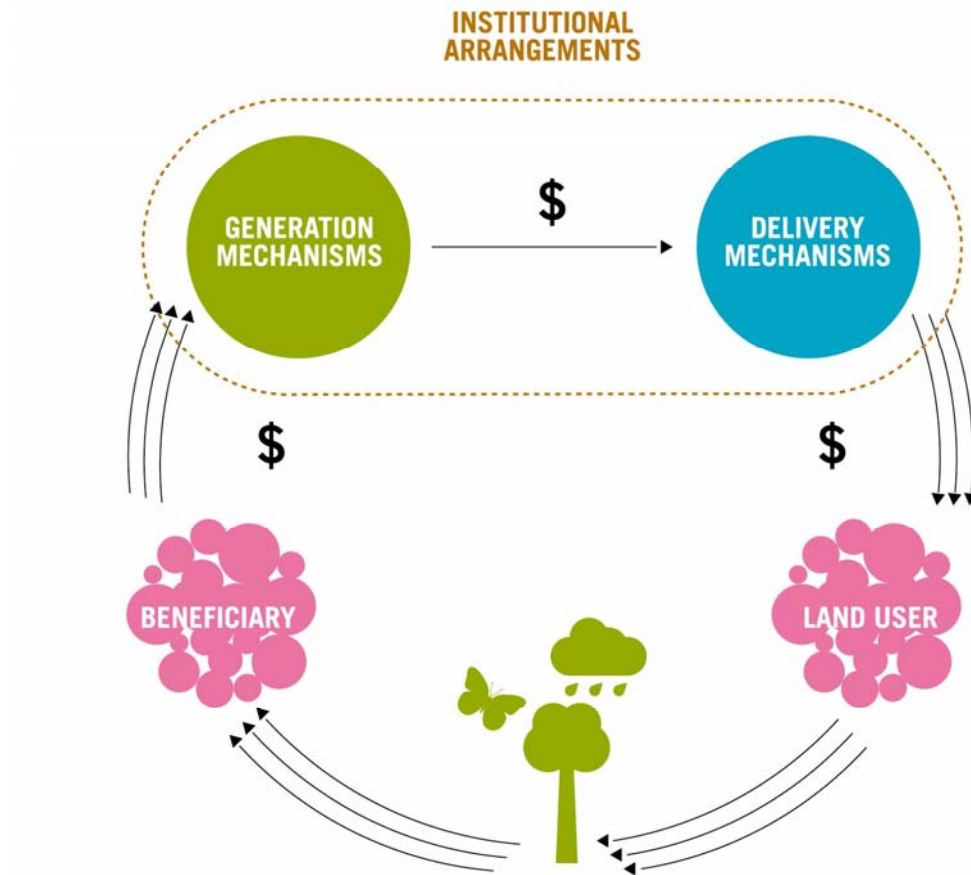
# FORESTS AS NATURAL CAPITAL

- Includes existence values
- Plus ecosystem Services
- US\$ 2-4.5 trillion/yr
- Proactive Investment in Natural Capital



THINK **PINC**

# ... IN THE REAL ECONOMY





# WHAT ARE THE COSTS OF CONSERVATION?

ACTION	USD BN/YR	SOURCE
Expand PA network	<b>4-13</b>	Bruner et al., 2004
	<b>18-27.5</b>	James et al., 2001
	<b>45</b>	Balmford et al., 2002



*“If 45 billion is spent annually for conservation measures, profits worth \$5 trillion would be gained every year”*

*– Japan Times October 2010*

ACTION	USD BN/YR	SOURCE
Expand PA network	4-13	Bruner et al., 2004
	18-27.5	James et al., 2001
Biodiversity protection	45	Balmford et al., 2002
Biodiversity protection	120	IUCN, 2010
	290	James et al., 2001
Ecosystem protection	355-385	Berry, 2007



# WHAT IS THE CURRENT SCALE OF FINANCE?

## TOTAL RAISED

USD 36-38  
BILLION  
PER YEAR

**DEVELOPED 73%**

**DEVELOPING 27%**

## TOTAL SPENT

**DEVELOPED 58%**

**TRANSFER 15%**

**DEVELOPING 42%**

**US**

**USD 9.3 BILLION**

**LAND CONSERVATION**

**EU**

**USD 3.5 BILLION**

**AGRI ENVIRONMENT**

**54 %**

**CHINA**

**USD 7.0 BILLION**

**PAYMENTS FOR  
WATERSHED SERVICES**

# MIND THE GAP!

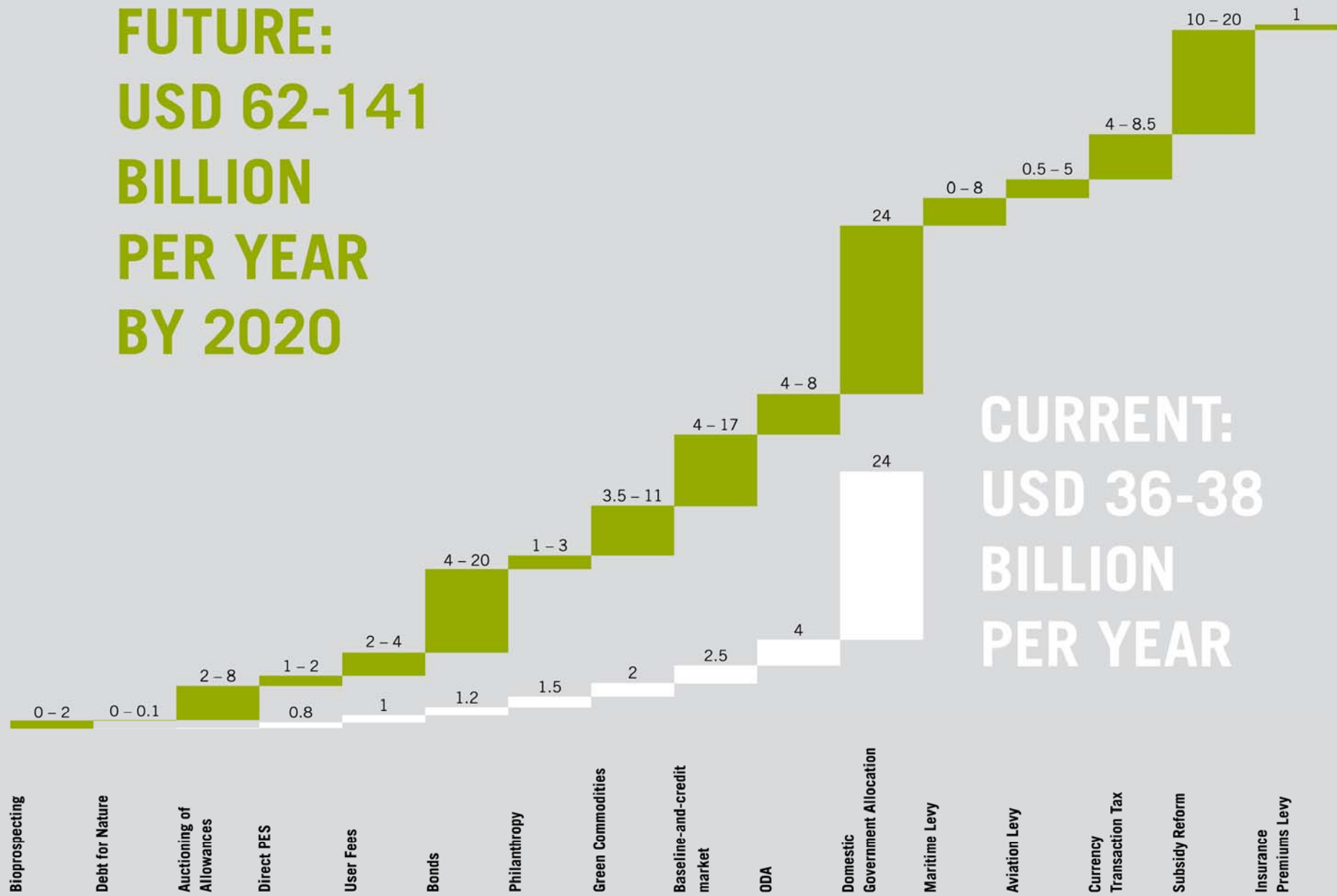
- **Spending:** \$40 billion (GCP)
- **Need:** \$100-300 billion (IUCN)
- **Value:** \$4.5 trillion (TEEB)

*“Better Wake Up and Smell the Coffee!”*

# HOW TO SCALE UP FINANCE BY 2020?

**FUTURE:  
USD 62-141  
BILLION  
PER YEAR  
BY 2020**

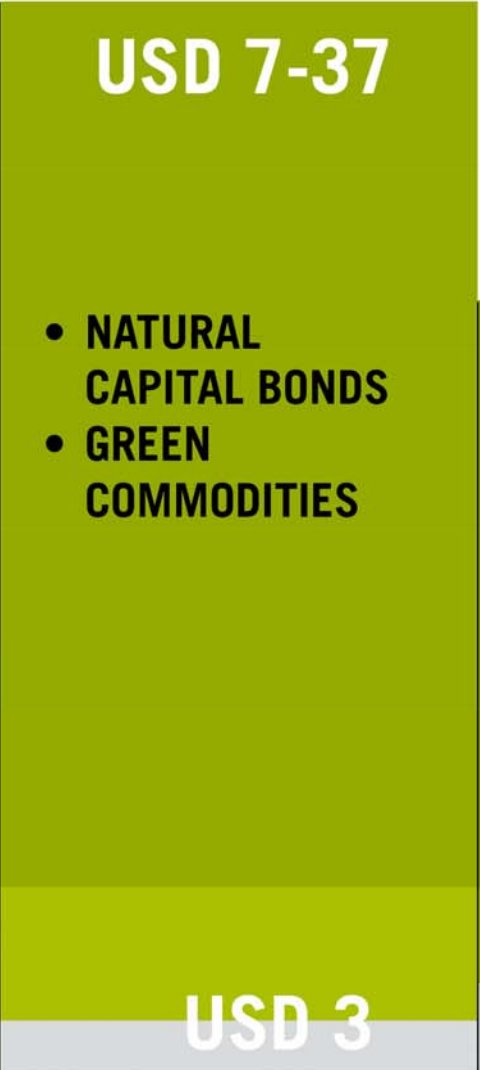
**CURRENT:  
USD 36-38  
BILLION  
PER YEAR**



# OTHER



# INDIRECT



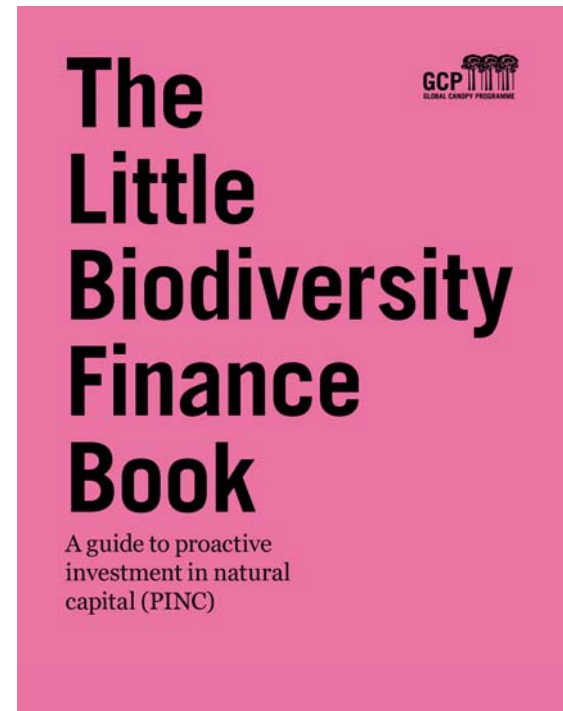
# DIRECT



# NON-MARKET



# A GUIDE TO PROACTIVE INVESTMENT IN NATURAL CAPITAL



- **First estimate:** \$ 62-141 billion
  - **The good news:** Less than ¼ % of the global economy
-



# THANK YOU



Prince Albert II of Monaco Foundation

[WWW.GLOBALCANOPY.ORG/GO/BIODIVERSITYFINANCE](http://WWW.GLOBALCANOPY.ORG/GO/BIODIVERSITYFINANCE)

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GLOBAL CANOPY PROGRAMME

