

‘High Integrity’: what’s needed for scientifically credible nature markets, and how can we achieve it?

**Sophus zu Ermgassen
Julia McCarthy
Hannah Wauchope**

Panel Chaired by: Hannah Rudman



Nature Markets

- Where units of biodiversity are bought and sold

What's a unit of nature?

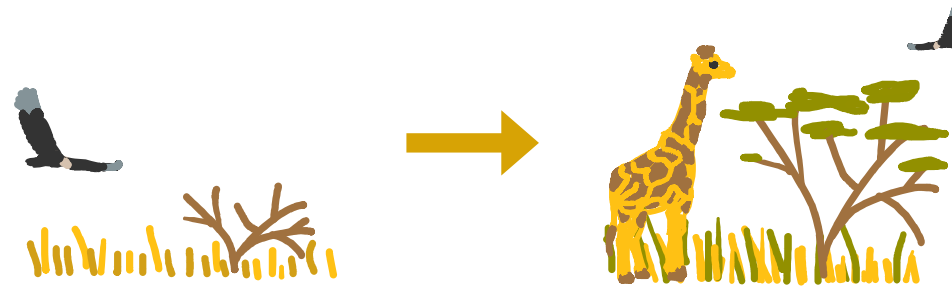
What's a unit of nature?

- A certificate representing 'positive biodiversity outcome'

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- A certificate representing 'positive biodiversity outcome'
- Either that an ecosystem hasn't been degraded
- Or that there has been a one-unit improvement

What's a unit of nature?



Number of Species (127 species → 150 species = 15% gain)

Giraffe Abundance (8 giraffes → 12 giraffes = 33% gain)

Net Primary Productivity (2000kg → 2200 = 9% gain)

Add Them Up: Total Gain = 58

Nature Markets

- Where units of biodiversity are bought and sold
- Can be regulatory, or voluntary

Regulated vs. Voluntary

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- Voluntary = You choose to purchase credits to show you've contributed positively
- Regulated markets national or sub-national in scale
- Voluntary often international

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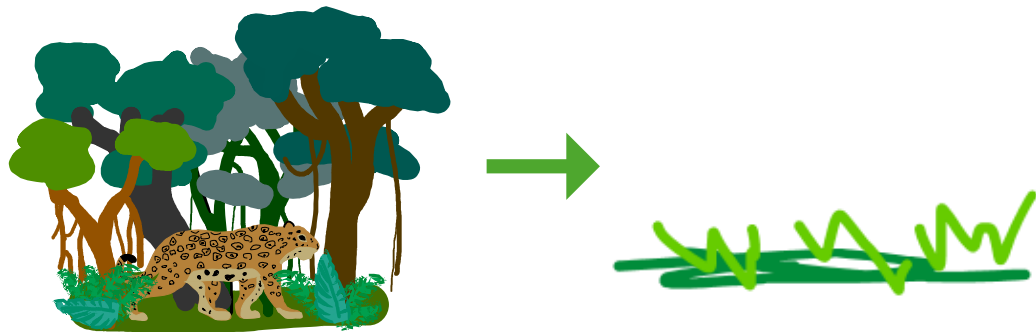
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- Why does it matter?

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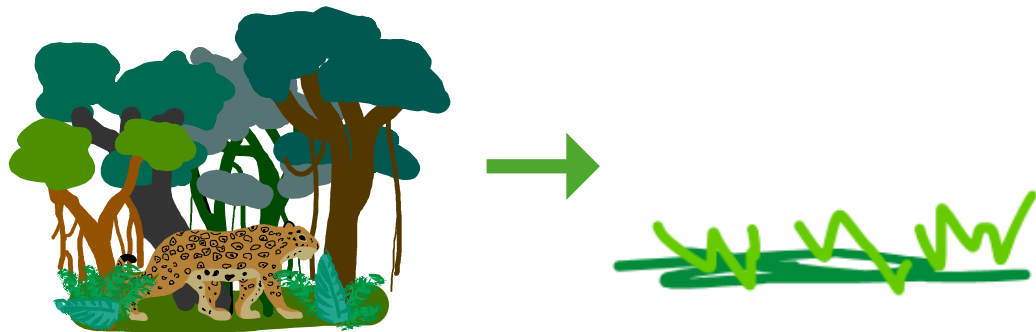
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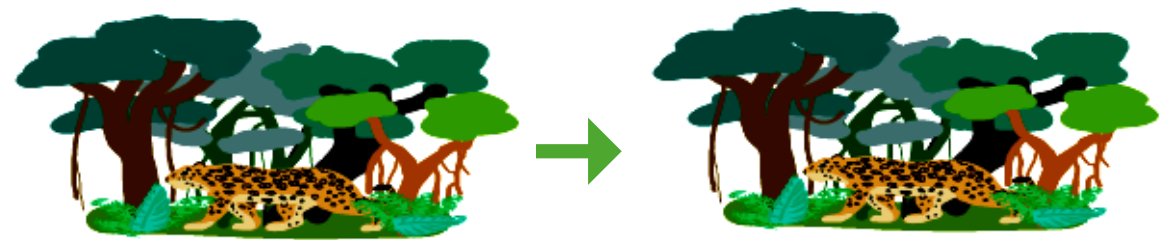
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deforestation

Key Concepts:

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We pay for credits that avoid
deforestation of a forest
elsewhere to compensate

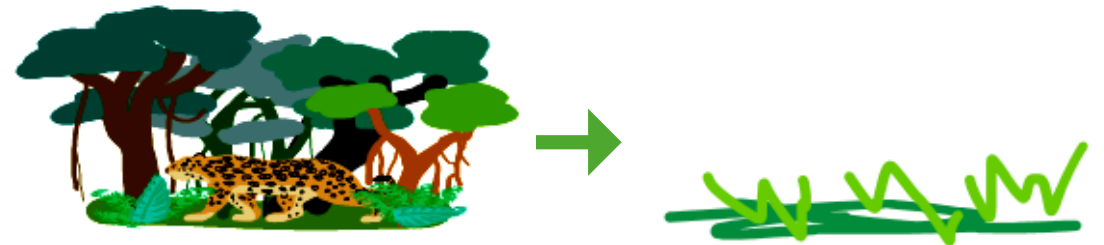
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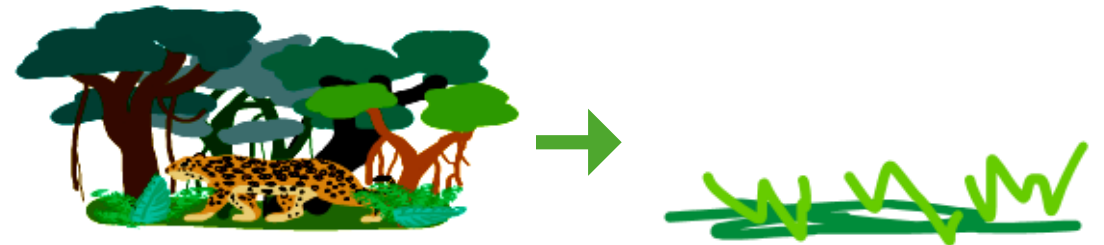
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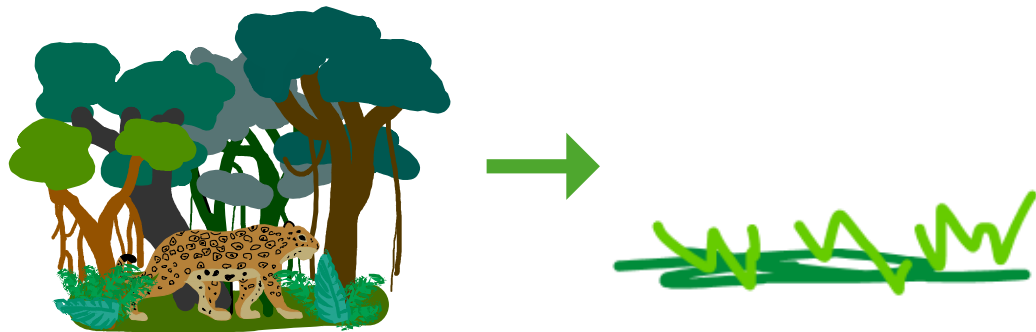
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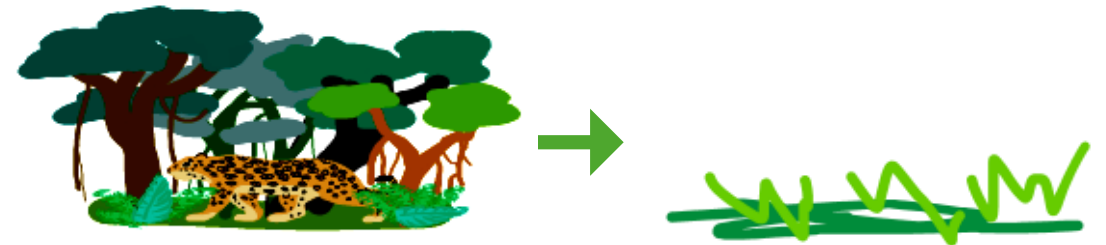
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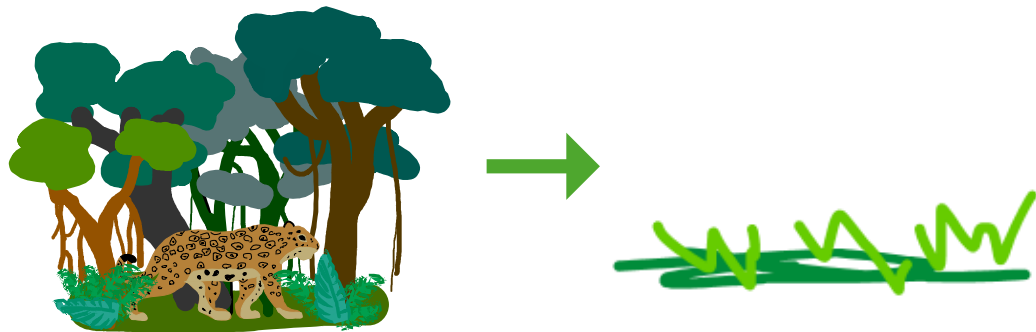
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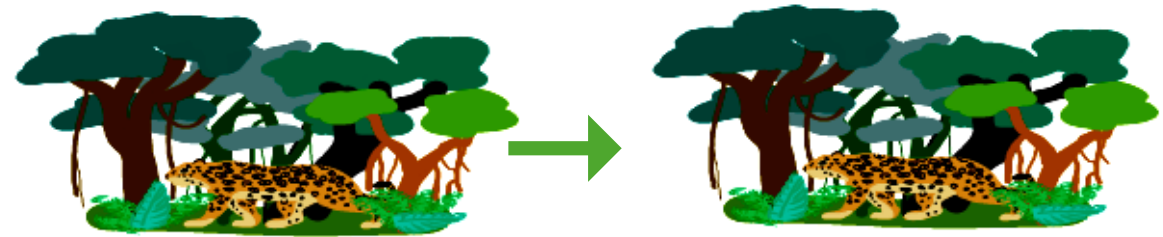
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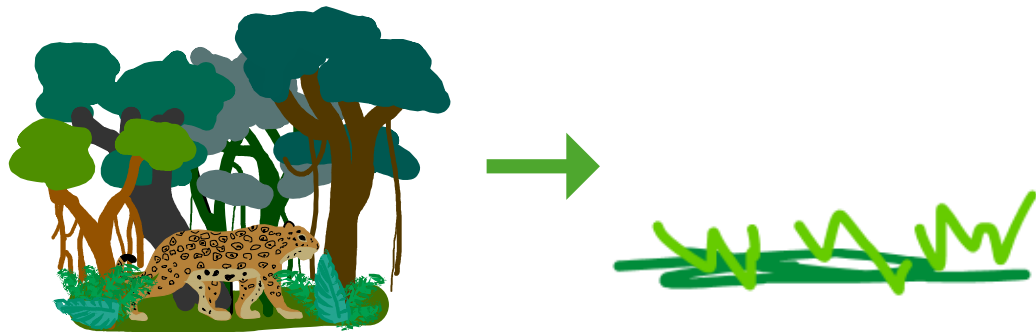
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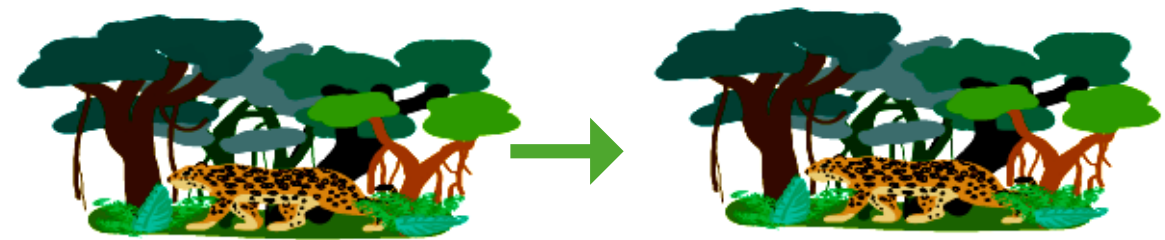
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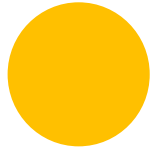
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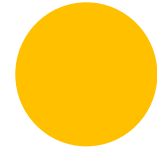
- **What are nature markets?**
- **What are the benefits of nature markets?**
- **What are the challenges of nature markets?**
- **What are the opportunities for nature markets?**
- **What are the risks of nature markets?**
- **What are the best practices for nature markets?**
- **What are the future prospects for nature markets?**

Are nature markets a good idea?

Re avoiding biodiversity loss/ecosystem collapse:



Where we are
without
markets



Where we
want to be

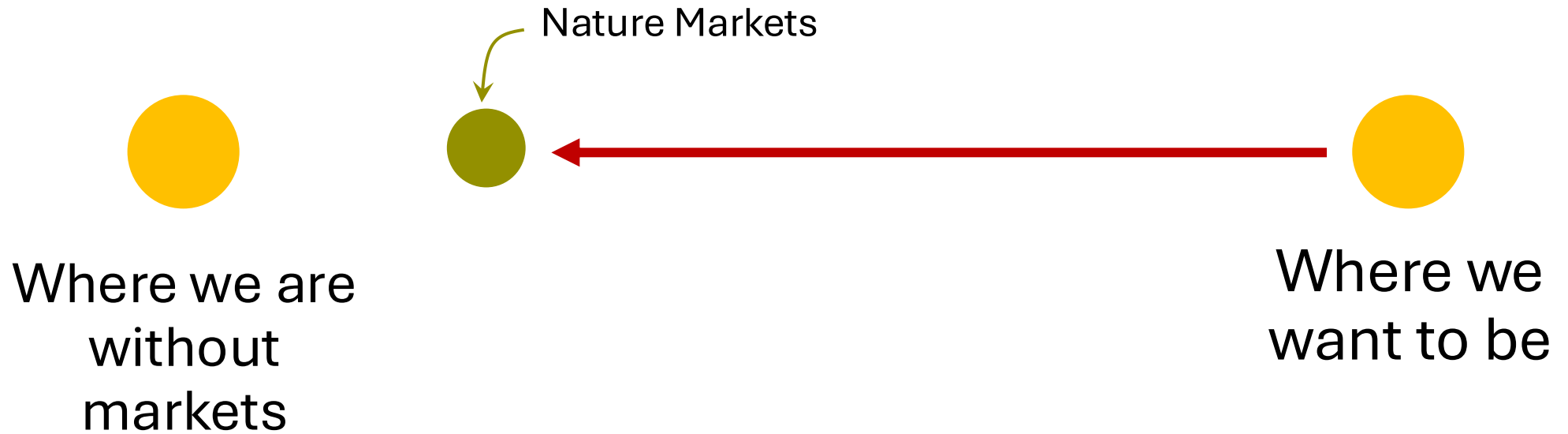
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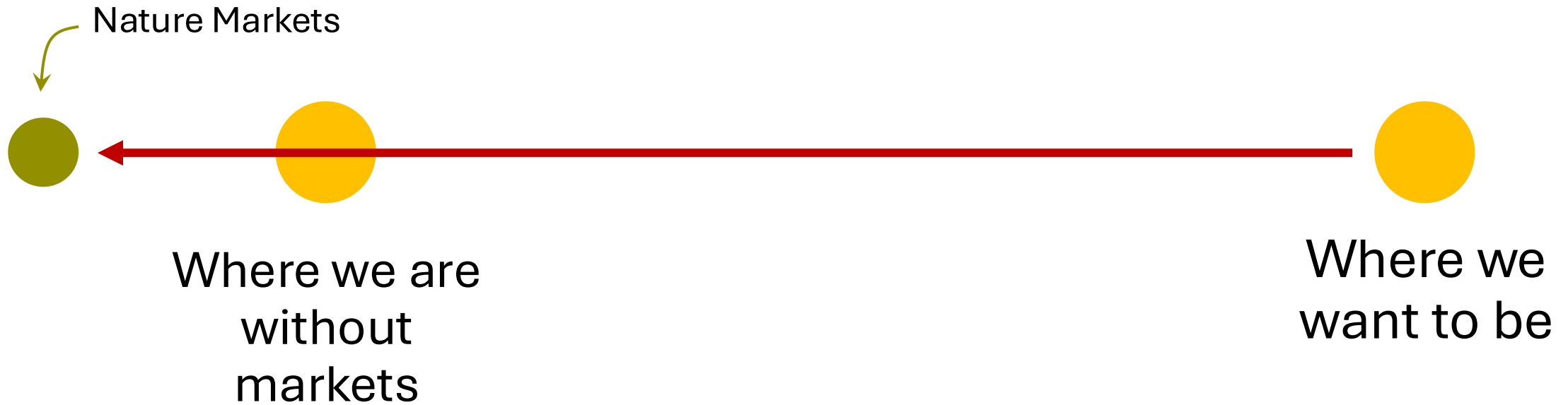
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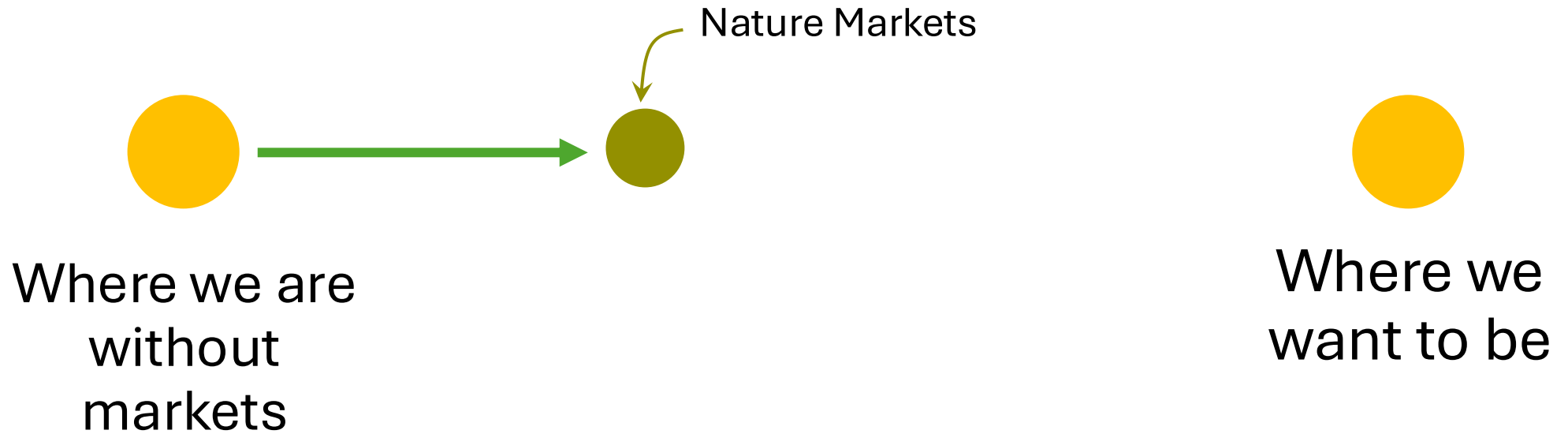
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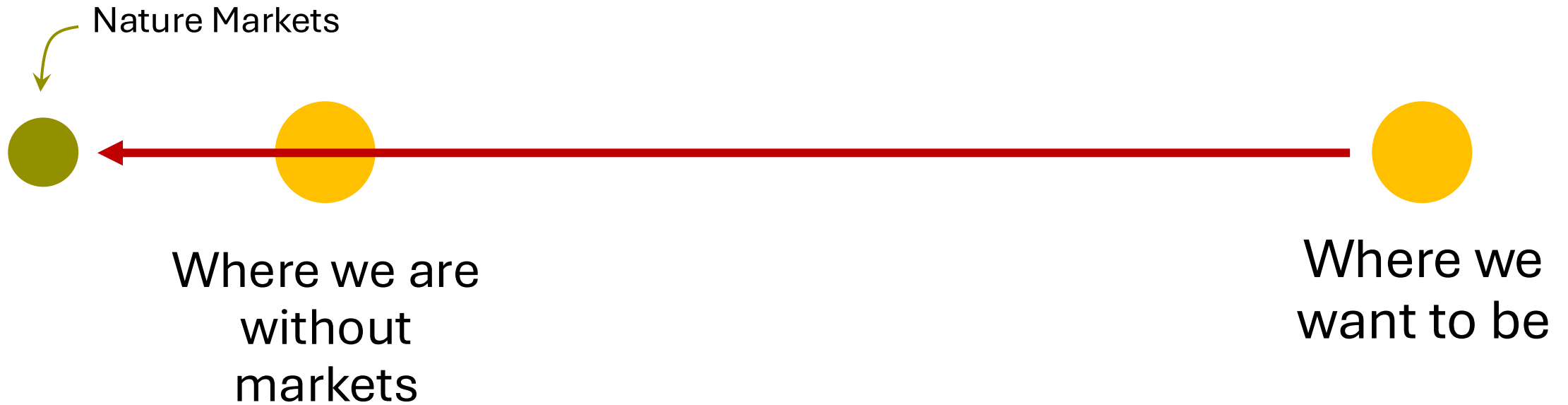
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To be discussed in the panel...

Our two speakers today

- Sophus zu Ermgassen (Oxford University): 5 rules for scientifically credible nature markets
- Julia McCarthy (Scottish Fisheries):....