2023 INTERNATIONAL CONGRESS OF ACTUARIES

BRIDGE TO TOMORROW

28 MAY – 1 JUNE 2023 · SYDNEY

Actuaries Institute Australia

IAA AAI International Actuarial Association Association Actuarielle Internationale

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THE ECONOMIC CASE FOR NATURE POSITIVE ACTION

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Why do we need 'nature positive' action?

INPUTS & SERVICES

More than half the world's GDP

USD44 trillion

is dependent on nature and the services that it provides

With no action, nature loss could cost

USD2.7 trillion

annually by 2030* hitting poor countries the hardest

Estimates by the World Economic Forum (WEF)

CLIMATE CHANGE MITIGATION & ADAPTATION

NBS can reduce the intensity of climate hazards by

26%

saving developing countries

USD104 billion

in weather and climate related economic costs by 2030*

Working With Nature to Protect People | IFRC

ECONOMIC BENEFITS

Investing in nature would create new business opportunities of

USD10 trillion

annually

and create

395 million

jobs by 2030*

The World Economic Forum (WEF), Scaling Investments in Nature, 2022

The journey towards 'nature positive'

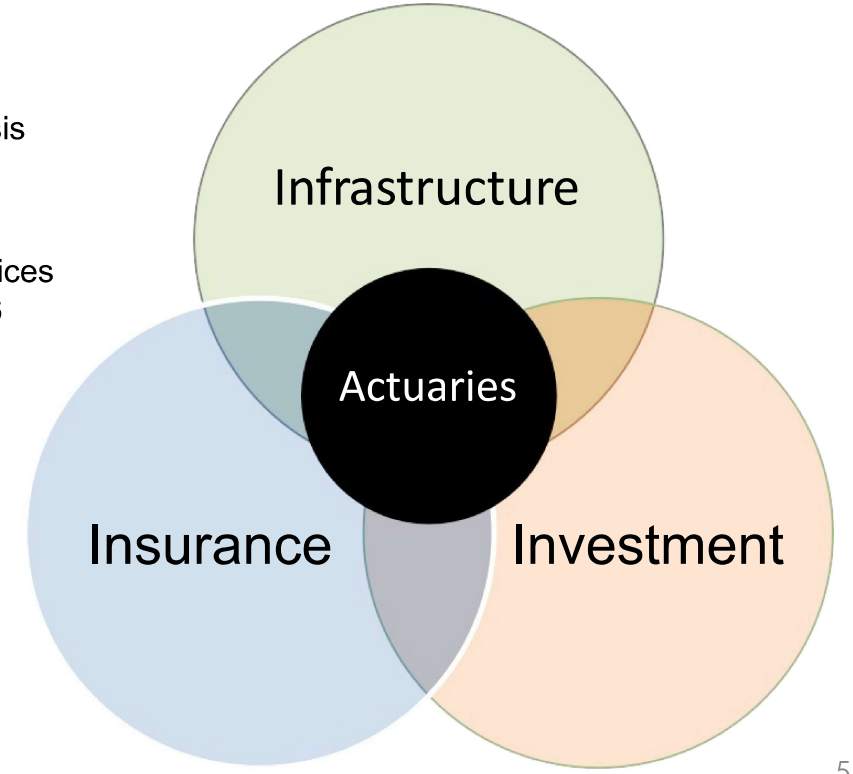
Impacts and Opportunities

Infrastructure:
- Hybrid solutions with both **grey and green infrastructure**
- **Consider co-benefits and avoid maladaptation** using cost-benefit analysis for infrastructure development decisions

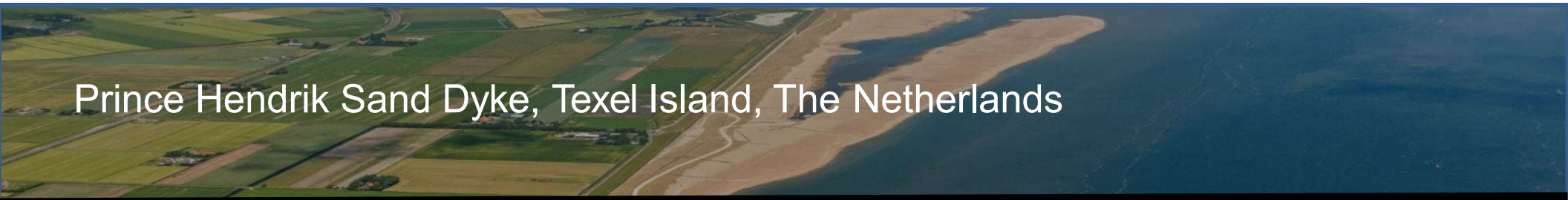
Insurance
- **New products / repurpose existing** to protect natural assets and ecoservices
- Property and engineering covers to **enable green infrastructure and NBS**
- **Optimise risk mitigation** capabilities of natural assets

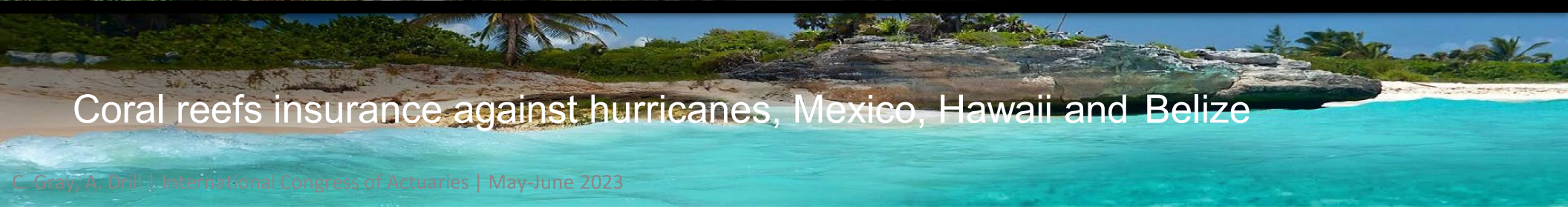
Investment
- **Nature-related financial disclosures** such as TNFD and IFRS – ISSB
- **Assess risks** from transition risks, environmental losses, greenwashing
- **Seek opportunities in nature positive actions**

Actuaries:
- **Measure and assess risks** from natural capital loss
- **Share datasets** and standardise approaches to value nature
- **Incorporate nature impacts** into traditional business decisions



Case Studies





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Q&A

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