

# Alissa Ward

## Nature Positive Reporting Assessment Intern



### About veritree

- Connecting businesses with tree planting sites, to elevate global restoration and unlocks finance in nature-based solutions
- Technology verifies and monitors the impacts of tree planting to ensure visibility and accountability for business' climate actions
- Monitoring conducted through near real time updates to understand the measurable impact over time relating to carbon, biodiversity, land management, water and people, for restoration
- Uses remote sensing (geospatial, UAV), photography and video (and computer vision), sensor technology - bioacoustics, dendrometers, soil sensors, motion sensors, and social data

### Purpose of Internship

- With multiple sustainability standards and frameworks comes a myriad of monitoring requirements, and confusion regarding nature-related reporting, researching the consistencies and gaps across the multiple frameworks
- Assess the overlaps between the frameworks and compare the metrics to veritree's offering to support indicators that align with these standards and frameworks

### Defining Nature Positive

- The emerging term "nature-positive" was created by conservation and business forums to not only stop, but reverse biodiversity loss,<sup>1</sup> in response to the "shortfalls of past agreements"<sup>2</sup>
- The baseline year for achieving nature-positive is 2020, with the nature positive assessment to be achieved by 2030 (net positive), and full recovery by 2050<sup>3</sup>

### Why Nature Matters

- 65% of Nature-based Solutions were always more effective at mitigating hazards, compared to engineering based solutions with an additional 26% being partially more effective than engineering based solutions

### Nature Positive Metrics

Reviewing metrics across the Taskforce of Nature-related Financial Disclosures, Science Based Targets for Nature (Land), Kunming-Montreal Global Biodiversity Framework, B Corporation, Carbon Disclosure Project, Ecosystem Restoration. Standard, and Sustainable Development Goals, the following metrics have been found in alignment based on themes of Oceans, Land, Biodiversity, Carbon, and People.

#### Area Restored/Under Restoration (ha)

- SBTN: 1.2: Total area (ha) within the engaged landscape(s) of natural lands converted since 2020
- TNFD C1.0: Total spatial footprint (km<sup>2</sup>) (sum of): Total surface area controlled/ managed by the organisation, where the organisation has control (km<sup>2</sup>); Total disturbed area (km<sup>2</sup>); and Total rehabilitated/restored area (km<sup>2</sup>)
- GBF 2.2 Area under restoration
- SDG 15.1.1: Forest area as a proportion of total land area

#### Ocean Health (pH)

- TNFD - C1.1: Extent of land/freshwater/ocean ecosystem use change (km<sup>2</sup>) by: Type of ecosystem; and Type of business activity
- GBF 8 Complementary Indicator - Index of coastal eutrophication
- SDG 14.3.1: Average marine acidity (pH) measured at agreed suite of representative sampling stations

#### Red List Species Richness (#)

- TNFD - A5.3: Species Extinction risk
- GBF 4 Headline: Indicatory A.3 Red list Index

Alignment on 4+ Nature positive frameworks

Alignment on 3 Nature positive frameworks

Alignment on 2 Nature positive frameworks

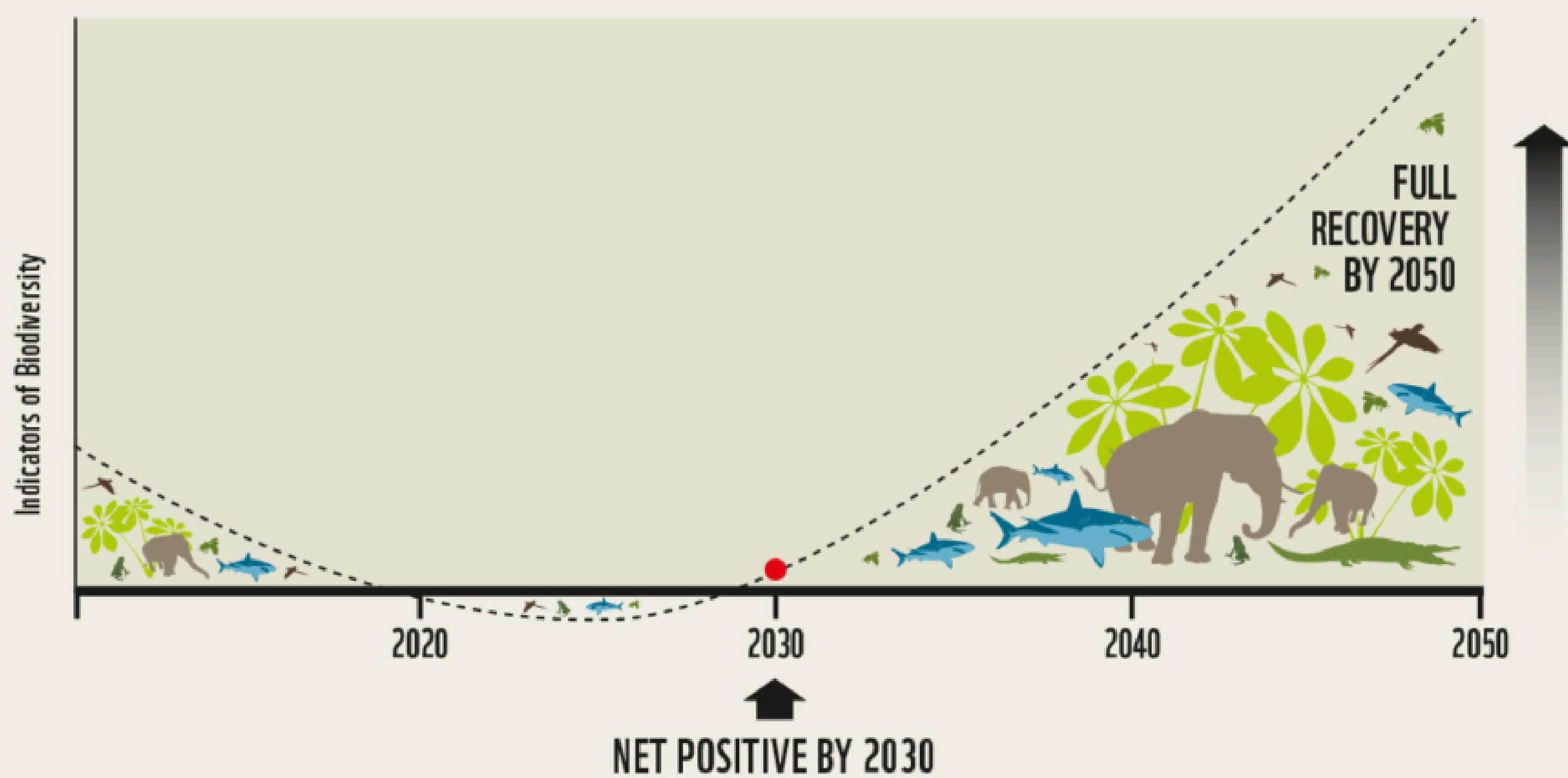
### Key Outcomes

- B Corp submission, TNFD case study for sister company tentree, conducted internal Materiality Assessment, Began GHG Accounting for Scope 1 & 2 Emissions
- Assessed the overlaps between the frameworks and compare the metrics to veritree's offering to support indicators that align with these standards and frameworks

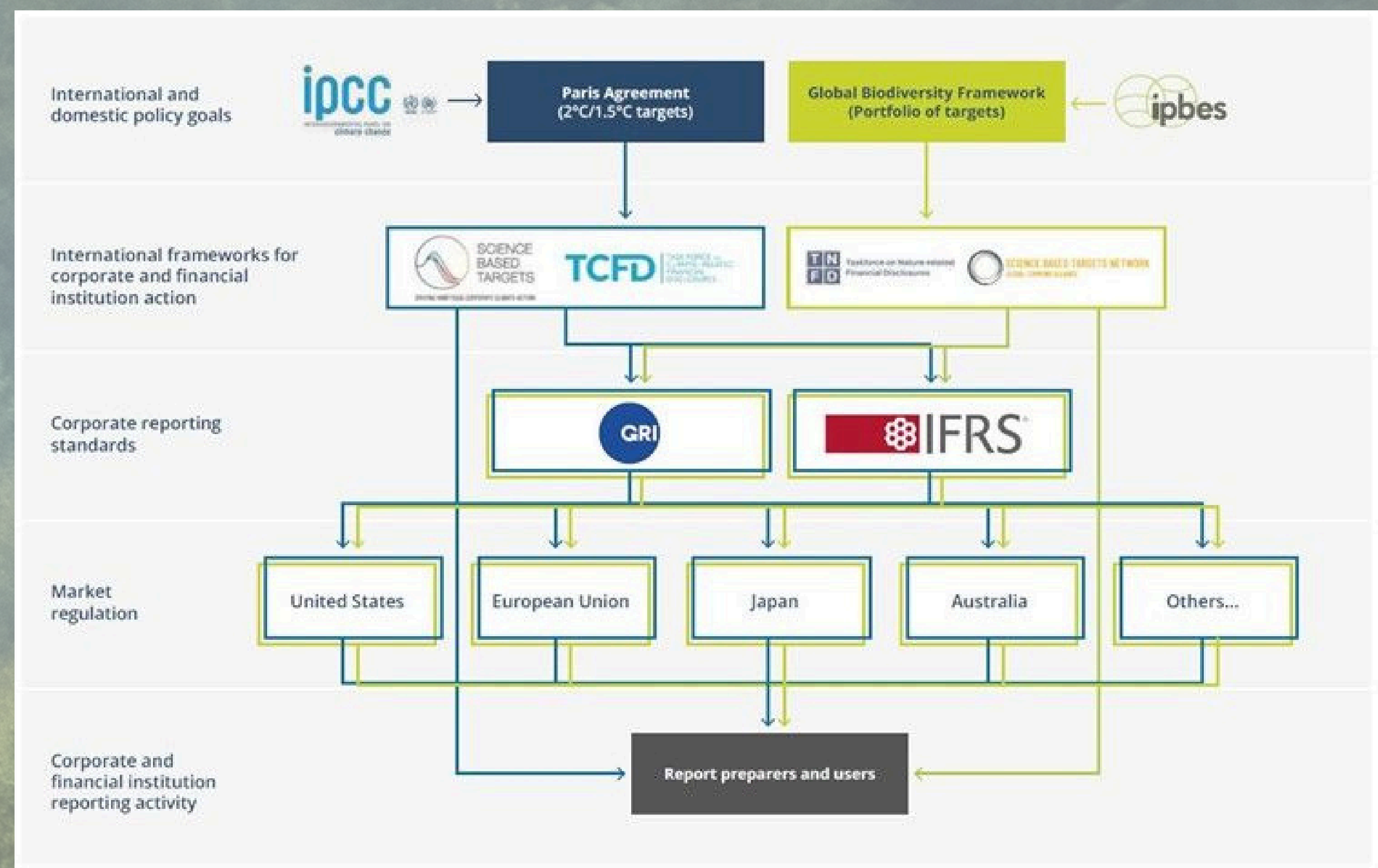
### Nature Positive Themes

- SMART Goals: Organizational biodiversity goals should be SMART to track progress towards and incentivizing achievement of overarching biodiversity goals (zu Ermagassen et al., 2022)
- Materiality Assessments: involving stakeholders from all levels of the business to determine value chain impacts
- DIROs: Understanding and acknowledging a business' Dependencies, Impacts, Risks (physical, transition, acute, chronic), and Opportunities associated with nature

### Nature Positive: halt and reverse biodiversity loss by 2030



#### Legend



#### References

1. Locke H, Rockström J, Bakker P, Bapna M, Gough M, Lambertini M, et al. A Nature-Positive World: The Global Goal for Nature. 2021.

2. zu Ermagassen SOSE, Howard M, Benruu L, Addison PFE, Bull JW, Lovelidge R, et al. Are corporate biodiversity commitments consistent with delivering 'nature-positive' outcomes? A review of 'nature-positive' definitions, company progress and challenges. Journal of Cleaner Production. 2022;Dec;35779154798.

3. Vicarelli M, Sudmeier-Rieux K, Albadadi A, Shrestha A, Schütze S, Kang MM, et al. On the cost-effectiveness of Nature-based Solutions for reducing disaster risk. Science of The Total Environment. 2024;Oct30;7174524.