

Biodiversity and Sustainable Society : How EO contributes to integrating nature into economic activities

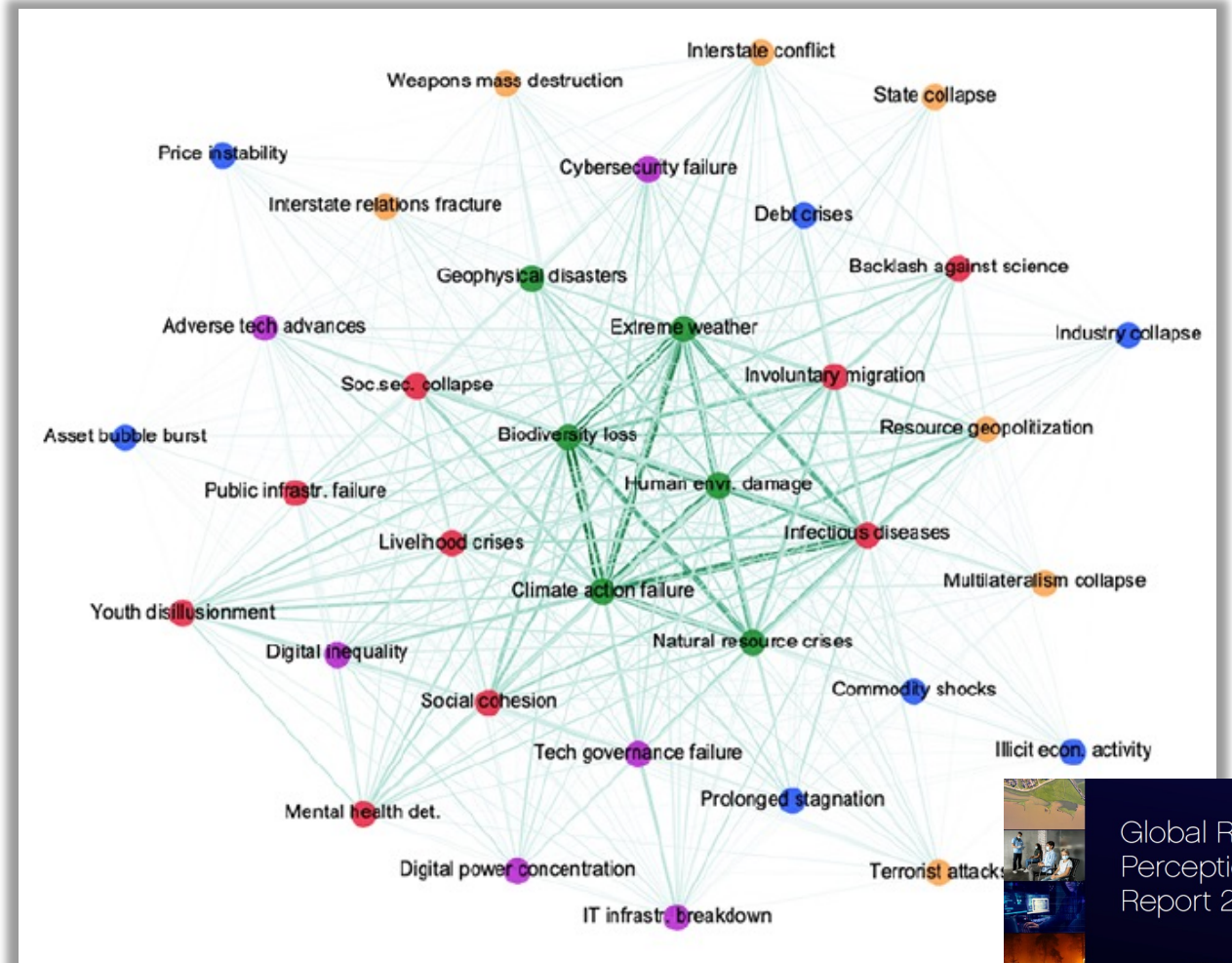
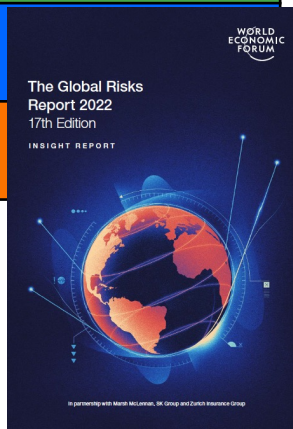
Scene Setting

Dr. Muraoka, Hiroyuki

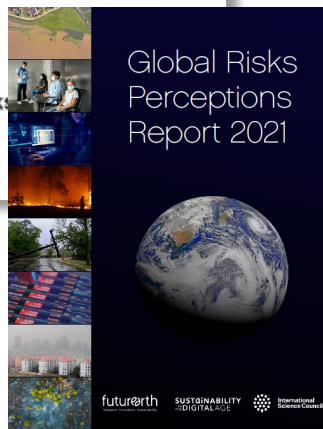
The most severe risks on a global scale over the next 10 years

1st	Climate action failure
2nd	Extreme weather
3rd	Biodiversity loss
4th	Social cohesion erosion
5th	Livelihood crises
6th	Infectious diseases
7th	Human environmental damage
8th	Natural resource crises
9th	Debt crises
10th	Geoeconomic confrontation

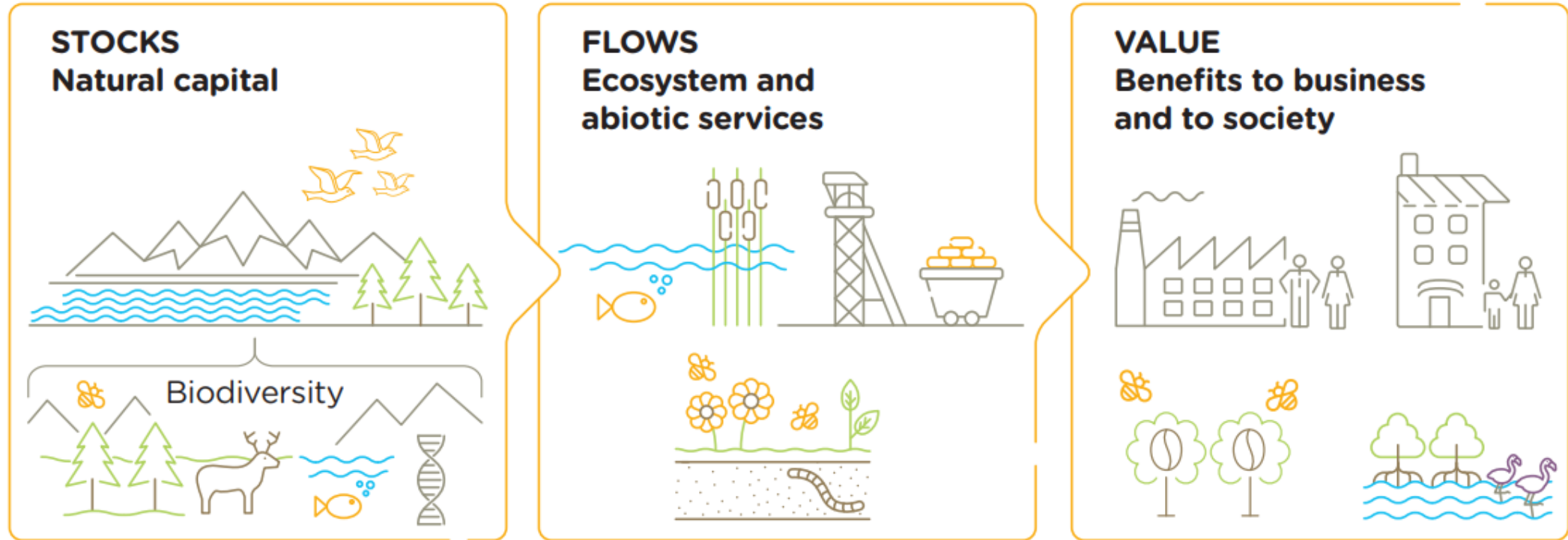
Source:
World Economic Forum
"The Global Risks report 2022"



Source:
Future Earth, Sustainability in the Digital Age, and
International Science Council. 2021. Global Risks
Perceptions Report 2021. Future Earth Canada Hub



Relationship between biodiversity and natural capital stocks, flows, and values

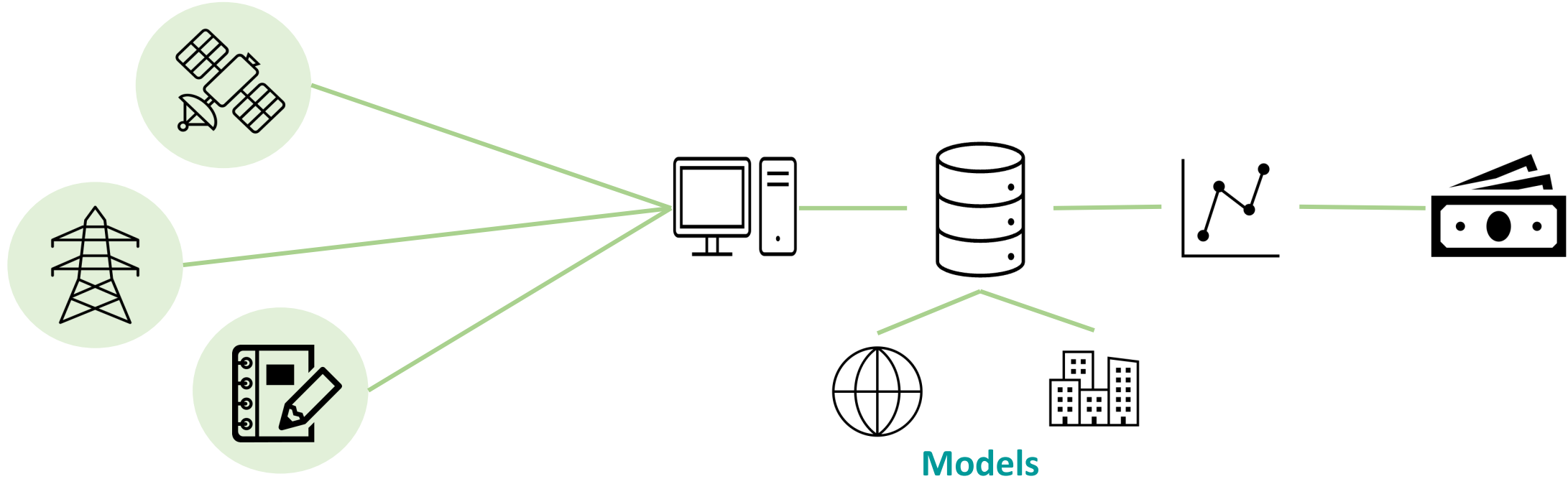


Source: Cambridge Conservation Initiative “Integrating biodiversity into natural capital assessments”

Earth Observations

Data Processing & Uptake

Capital Assessment



Opportunities

- Growing finance/policy users
- Capital assessment capture the diversity of nature's contributions and impacts to society and the economy

Challenges

- Integrating EO data into the capital assessment
- Processing data
- Data platform and assessment tools

Objects

- Showcases the latest big data program which should have significant impact for integrating nature into economic activities to make nature and biodiversity measurable.
- Learn the recent activities and challenges in biodiversity observations in AO region
- Discuss the opportunities, challenges and next steps for further collaboration between EO community, service provider, and users to contribute to 'nature positive' in AO region.

Speakers

Dr. Takeuchi

APBON; National Institute for Environmental Studies



Dr. Kubota

Professor, University of the Ryukyus; CEO, ThinkNature



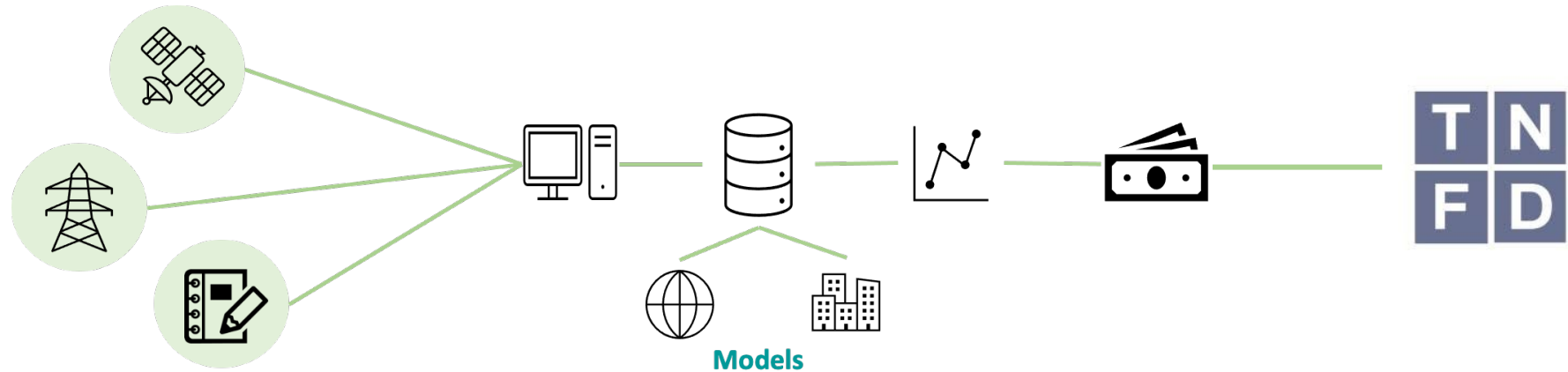
Mr. Haraguchi

TNFD Taskforce member;



Dr. Trisurat

APBON; Professor, Kasetsart University



Panel discussion

- **Where do you see the biggest opportunities and challenges for uptake of collaboration between service provider and TNFD framework?**
- **Where do you see the biggest opportunities and challenges for uptake of collaboration between service provider and Earth observation community such as APBON?**
- **What do you expect for further communication and cooperation among the stakeholders of EO community, information platform and users?**