



Nature Risk and Large Projects

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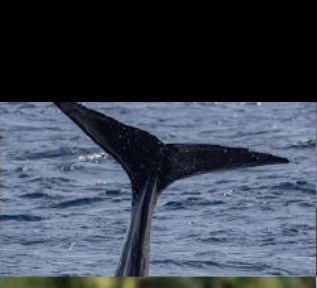
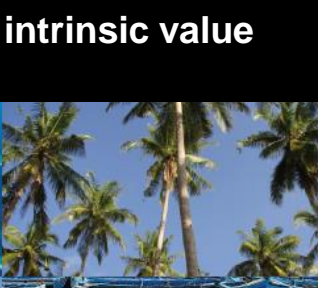
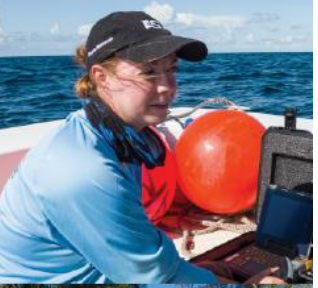
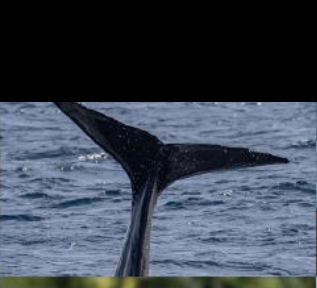
Nature is our life-support system

Natural goods – food, water, materials, health

Carbon capture and storage - 1/2 of our emissions

Economy – US\$125 trillion a year

Nature's intrinsic value



Global trends

Natures contribution to people:

“Since 1970, trends in agricultural production, fish harvest, bioenergy production and harvest of materials have increased, but 14 of the 18 categories of contributions of nature that were assessed, mostly regulating and non-material contributions, have declined.”

Source: IPBES (2019) Summary for policymakers of the global assessment report on biodiversity and ecosystem services.



Top 10 risks

"Please estimate the likely impact (severity) of the following risks over a 2-year and 10-year period."

2 years



10 years



Risk categories | Economic | Environmental | Geopolitical | Societal | Technological

Nature crisis



World ▾ Business ▾ Markets ▾ Sustainability ▾ Legal ▾ Breakingviews ▾ Technology ▾ Investigati

Science

Extinction crisis puts 1 million species on the brink

By Katy Daigle and Julia Janicki

December 23, 2022 8:52 PM GMT+1 · Updated 2 years ago



[1/4] A female Iberian lynx, a feline in danger of extinction, named Ilexa is released with other four lynxes, as part of the European project 'Life LynxConnect' to recover this species in Arana mountain range, in Iznalloz, near Granada, southern Spain December 19, 2022. REUTERS/Jon Nazca [Purchase Licensing Rights](#)



Endangered species

Number of species at risk of extinction doubles to 2 million, says study

New research on insects - without which the planet would not survive - shows a higher proportion are at risk of disappearing

Read more: [How the extinction of insects would transform our planet](#)



Monarch butterflies - which have been listed as vulnerable and endangered - are one of the insects increasingly at risk from the climate crisis and habitat loss. Photograph: Enrique Castro/AFP/Getty Images

Two million species are at risk of extinction, a figure that is double previous UN estimates, new analysis has found.

While scientists have long documented the decline of species of plants and vertebrates, there has always been significant uncertainty over insects, with the UN making a "tentative estimate" of **10% threatened** with extinction in 2019.



– Nå er det naturens tur!

– Jeg er veldig glad. Det er utrolig bra at verdens land har klart å samle seg om en ambisiøs og tydelig naturavtale, sier klima- og miljøminister Espen Barth Eide

International nature targets 2022-2030



By 2030:

- Protect and conserve 30% of land, freshwater and oceans
- Restore 30 % of degraded nature

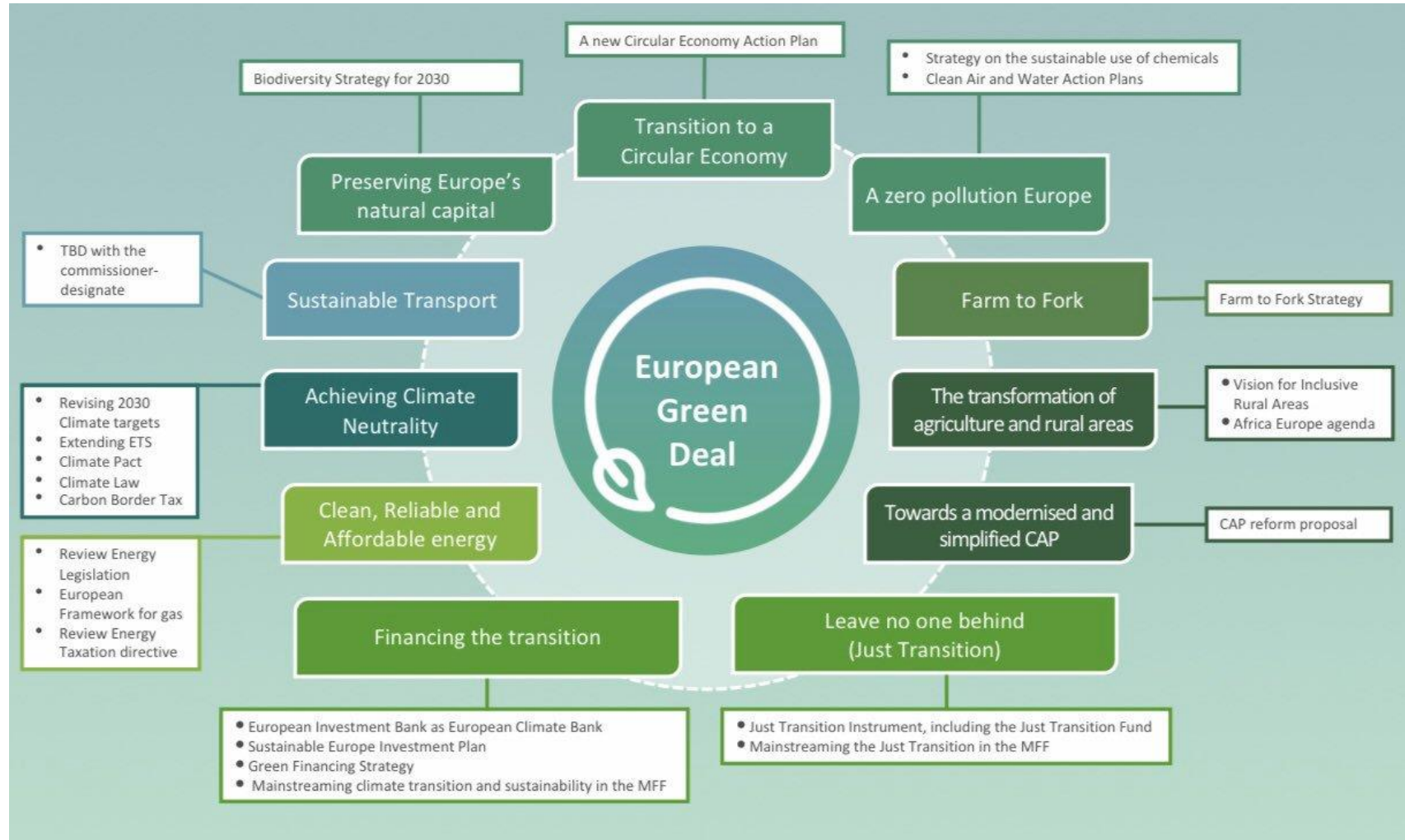
Focus areas:

- Nature management
- Natural assets for people
- Integrating nature considerations throughout society



Convention on
Biological Diversity

EU Green Deal



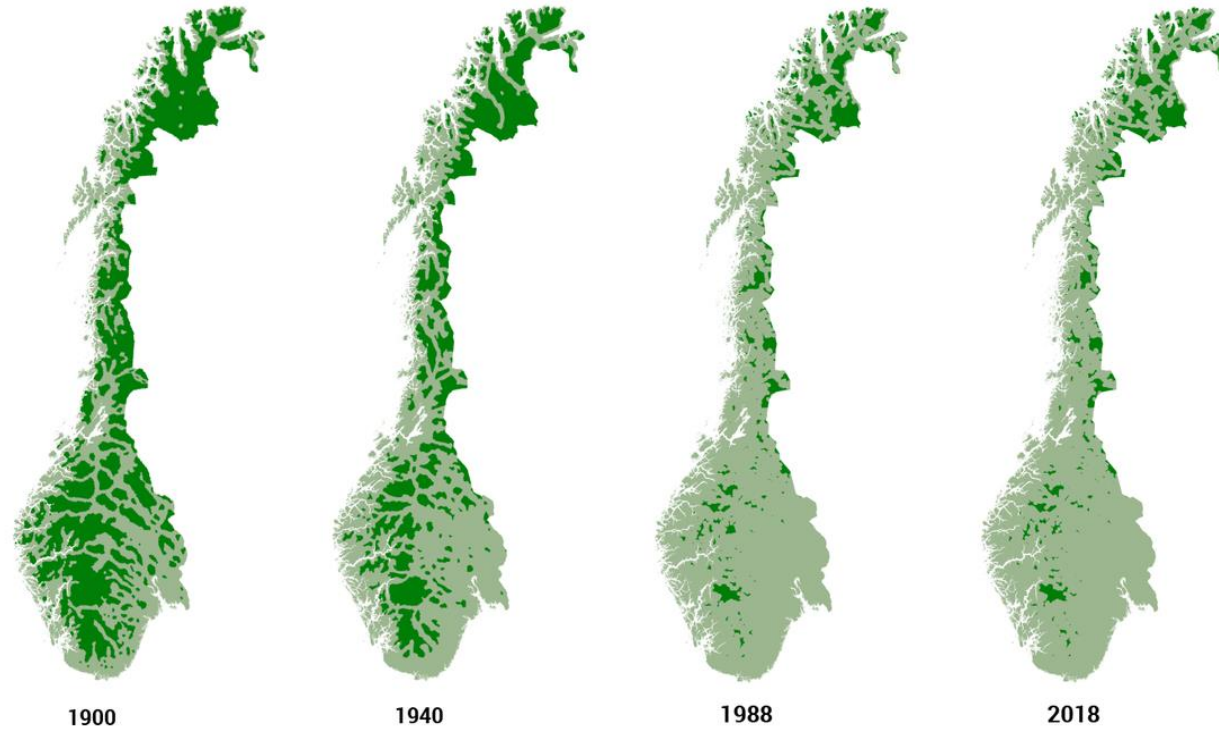
The background of the entire page is a mosaic of small, square aerial photographs of various landscapes in Norway, including forests, mountains, and urban areas. The mosaic is arranged in a pattern that is denser at the top and bottom edges and more sparse in the center, creating a frame around the central text.

Norge i rødt, hvitt og
GRÅTT

Source: [NRK avslører: 44.000 inngrep i norsk natur på fem år – Dokumentar](#)

Norwegian nature lost bit by bit

Villmarkspregede områder i Norge



● Villmarkspreget: Naturområder som ligger fem km eller mer i luftlinje fra tyngre tekniske inngrep

Kilde: Kart 1900 og 1940: Bruun, Magne, NOU-1986:13. Kilde: Kart 1988 og 2018: Miljødirektoratet/miljøstatus.no

Political respons in Norway



- Ocean Law
- White paper – action plan for follow up on the Nature Agreement
- Work on legislation/regulations for bog/marsh
- Climate committee: Recognizes the interlinkage between climate and nature and that nature is a key
- Deep Seabed Mining?!
- Norway's Nature Risk Commission



The concept "nature risk"



Depended on nature – Impacting nature

Physical risk – loss of nature

Transition risk – stricter political regulations

Also:

Liability risk

Systemic risk



Five-step model for work on nature risk

Identify

- Identify where and how the enterprise interacts with nature
- Examine ecosystems both in Norway and other countries, including via supply chains

Analyse

- Analyse where and how the enterprise depends on nature
- Analyse where and how the enterprise impacts nature
- Take into account legislation and frameworks of significance for the enterprise's dependencies and impact

Assess

- Assess the possible consequences of changes in nature (physical nature risk) and of changing framework conditions (transitional risk)*
 - Take into account risk-mitigating measures that have been implemented or planned
 - Perform stress tests for the possibility of dangerous outcomes for the enterprise
 - Consider correlations with other forms of risk to the enterprise
- *Systemic risk may be relevant for analyses of nature risk at the aggregate level

Report

- Use the assessments as a basis for the enterprise's reporting
- Include material nature risk in both statutory and voluntary external and internal reporting
- Make reporting comprehensible and accessible

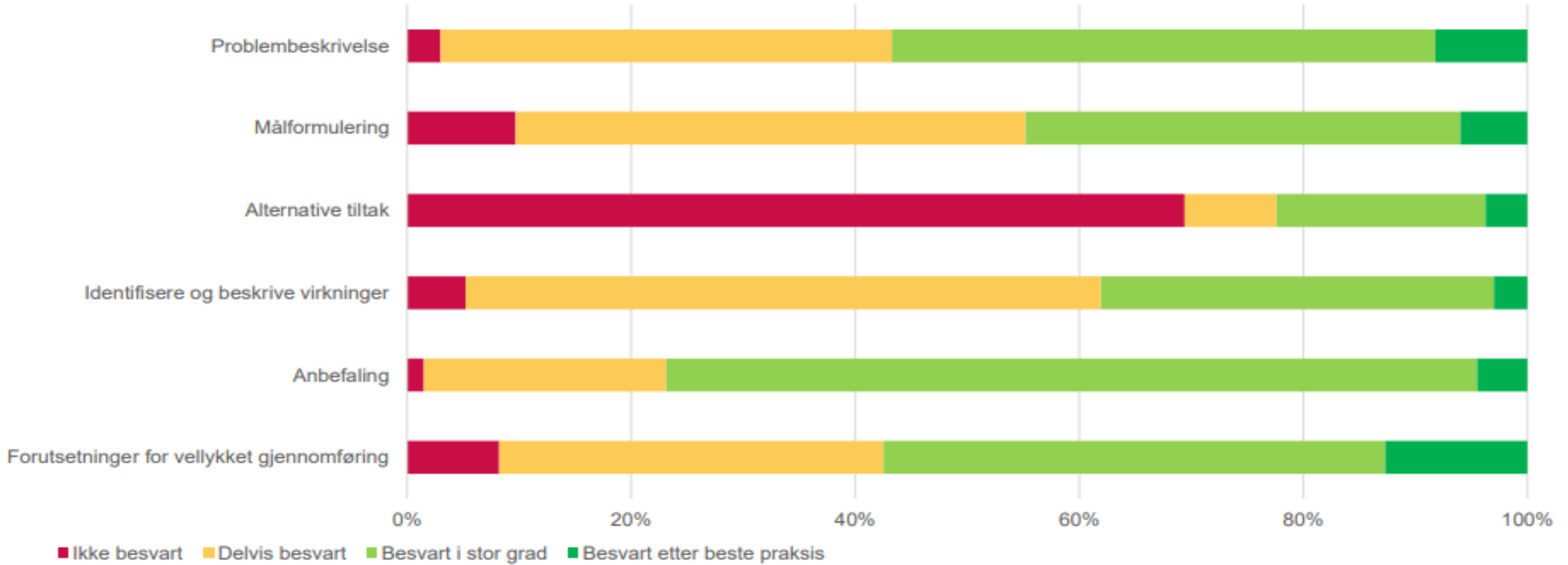
Decide

- Apply the decision-making basis to specific decisions and actions
- Make open and systematic assessments of trade-offs and potential dilemmas

Illustration: Konsis

Source: The Nature Risk Commission

Status of the decision-making basis?





Thank you!

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