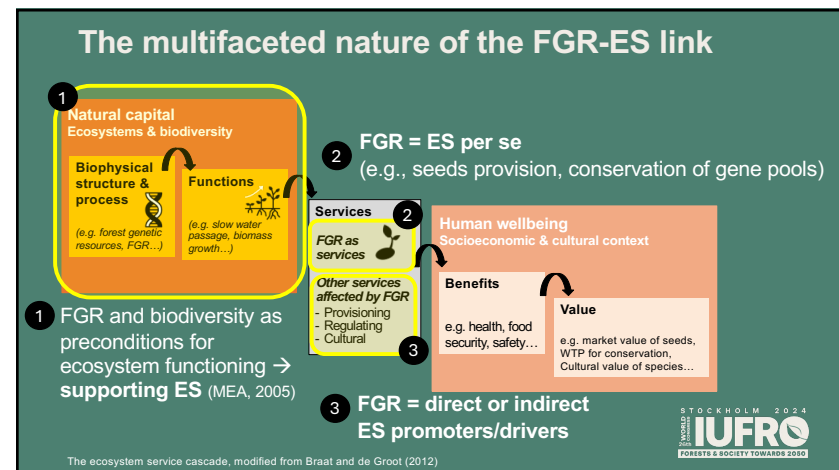




Background

- Call for **ecological restoration, including across Europe** (Biodiversity Strategy to 2030, Nature Restoration Law...)
- Restoration crucial for **enhancing biodiversity conservation** across landscapes, ensuring the **provision of ecosystem services (ES)** and **improving ecosystems resilience** (Rey Benayas *et al.*, 2009)
- Ambitious global goals and commitments to forest and landscape restoration rely on **forest genetic resources (FGR)** → key to achieving impacts (Gaisberger *et al.*, 2023)
- What's the contribution of FGR in providing ES?

STOCKHOLM 2024
IUFRO
FORESTS & SOCIETY TOWARDS 2050



The overall approach

Literature review

Literature on FGR and ES **limited in scope**:

- Provisioning ES (timber)
- Few species (Pine***, Spruce and Beech)
- Central-Northern Europe and North America

The overall approach

Literature review

Expert-based survey (Delphi method)

Preliminary pilot-test for Italy



Source: modified from Khalili Pir, 2023

Consensus reached for all 19 ES considered

...but

- FGR concept **too general**, link to ES a bit vague and unclear
- **Expected changes** between **present** and **future scenarios** rather than running the Likert scale exercise twice
- Panelists **mainly** into **policy and economics**
- More **diversified Panel** needed
- ...

The overall approach

Literature review

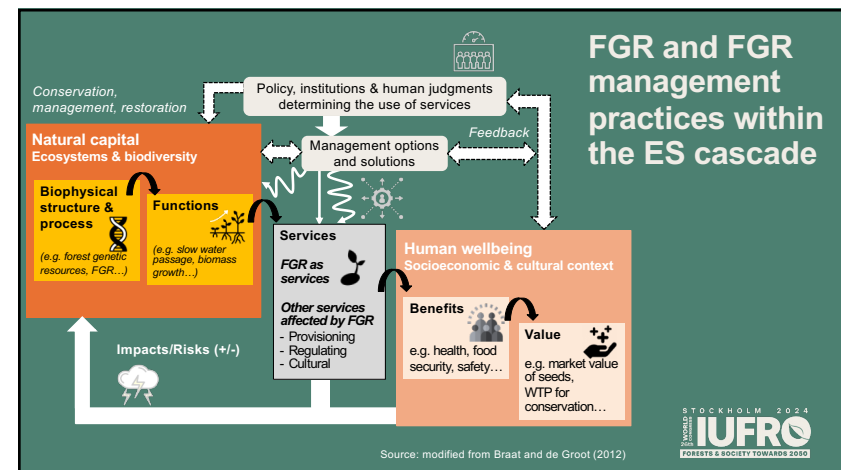
Expert-based survey (Delphi method)

Preliminary pilot-test for Italy

Review

Scope and aims:

- **6 EU countries** (DK, FI, FR, IT, RO, SI) + **EU-wide**
- **Different expert categories** (geneticists, ecologist, economists, decision-makers...)
- **Impacts of FGR management practices on ES** (baseline and future scenarios built on IPBES NFF)
- **Risks** associated with **FGR management practices**
- **Possible mitigations measures**



Source: modified from Braat and de Groot (2012)

