

Aarne Reunala

LONGSTANDING FINNISH – FRENCH FOREST (RESEARCH) COOPERATION

- Finland and France: Forest Countries
- Finnish – French Forestry Cooperation 1978-2010
- European Ministerial Forest Conferences 1990 –
- World Forest Carbon Sink 2024 (*surprise*)

TWO FOREST COUNTRIES

FRANCE

31 % land area
17 mill. ha
2 800 mill. m³

FINLAND

75 % land area
23 mill. ha
2 500 mill. m³

PROTOCOLE D'ACCORD 1980

- 1978 AFFRST Colloque
Économie Forestière,
Tampere
- 1979 Ministry delegations
Korpela, Gadant
- 1980 Protocole d'accord -
Finnish-French Forest
Cooperation Agreement

EXCEPTIONAL



VISITS 1978 - 2010

■ Visits to *Finland* *France*

Students	27	7
Researchers	20	32
Professionals	349	265
Administration	40	47
Total	352	467



1984 Forestry students, Dijon



2006 ONF –
Metsähallitus
agreement,
Orleans



1982 Working
group meeting,
Lieksa

TOPICS

■ Research topics

Wood quality
Forest genetics
Nitrogen fixation
Vegetative reproduction
Protection of forests
Forest entomology
Remote sensing
Forest economics
Forest policy
Forestry subventions...

Forest entomology



■ Seminars

1978 Forest Economics AFFRST
1986 Quality of Wood AFFRST
1986 Remote Sensing AFFRST
1992 Financing Private Forestry
1992 Forestry Communication
1993 Conservation of Genetic Resources
1994 Forest Policy
1995 Offer and Demand of Wood
2001 Forestry and Information Society

Forest genetics



Oak logs

Forest economics



Pulpwood

SURPRISES

FRANCE



Twisted trees

FINLAND



Straight trees

FINLAND



Controlled burning for forest regeneration

FRANCE



Forest fire catastrophes

FRANCE



Delicious meals, wine, cheese

FINLAND



Invitations to forest owner's homes

FOREST EUROPE

Ministerial Conference on the Protection of Forests in
Europe 1990 -

- 1985 Initiative of Forest Ministers *Pohjala* (FIN) and *Souchon* (FRA)
- **1990 Strasbourg, 1992 Helsinki, 1998 Lisbon, 2003 Vienna, 2007 Warsaw, 2011 Oslo, 2015 Madrid, 2021 Bratislava, 2024 Bonn**
- 46 signatory countries



2024 Bonn

FOREST EUROPE

Ministerial Conference on the Protection of
Forests in Europe 1990 -

IMPORTANT EUROPEAN
CONTRIBUTION TO
SUSTAINABLE FORESTRY

- Definition of Sustainable Forest Management (1992)

- 6 Criteria and Indicators for Sustainable Forest Management (1998)

Criteria 1. Maintenance and Appropriate Enhancement of Forest Resources and their Contribution to Global **Carbon Cycles**

- Follow-up process

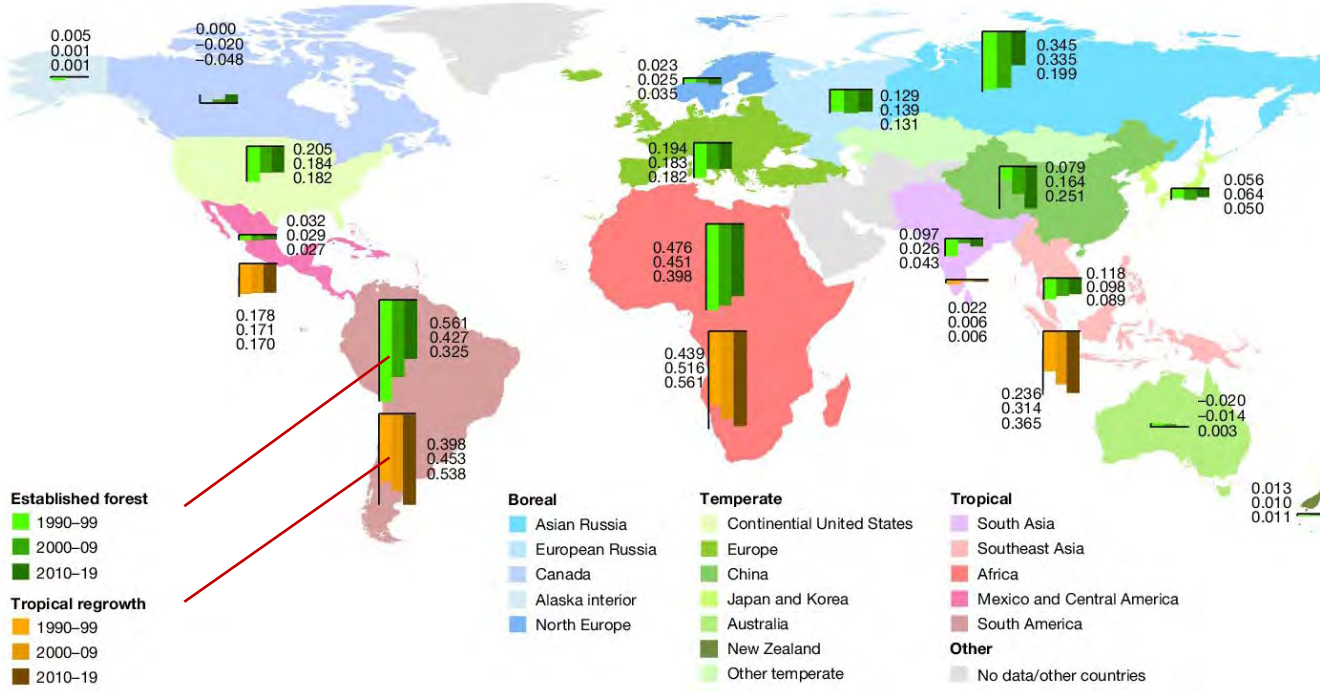


394 pages



THE ENDURING WORLD FOREST CARBON SINK 1990-2019

Nature – Vol 631 –
18 July 2024
Yude Pan, Pekka E.
Kauppi...



Forests are globally
gross CO₂ sink
3,6 Pg C/yr
(Petagram = 1000 bill g)

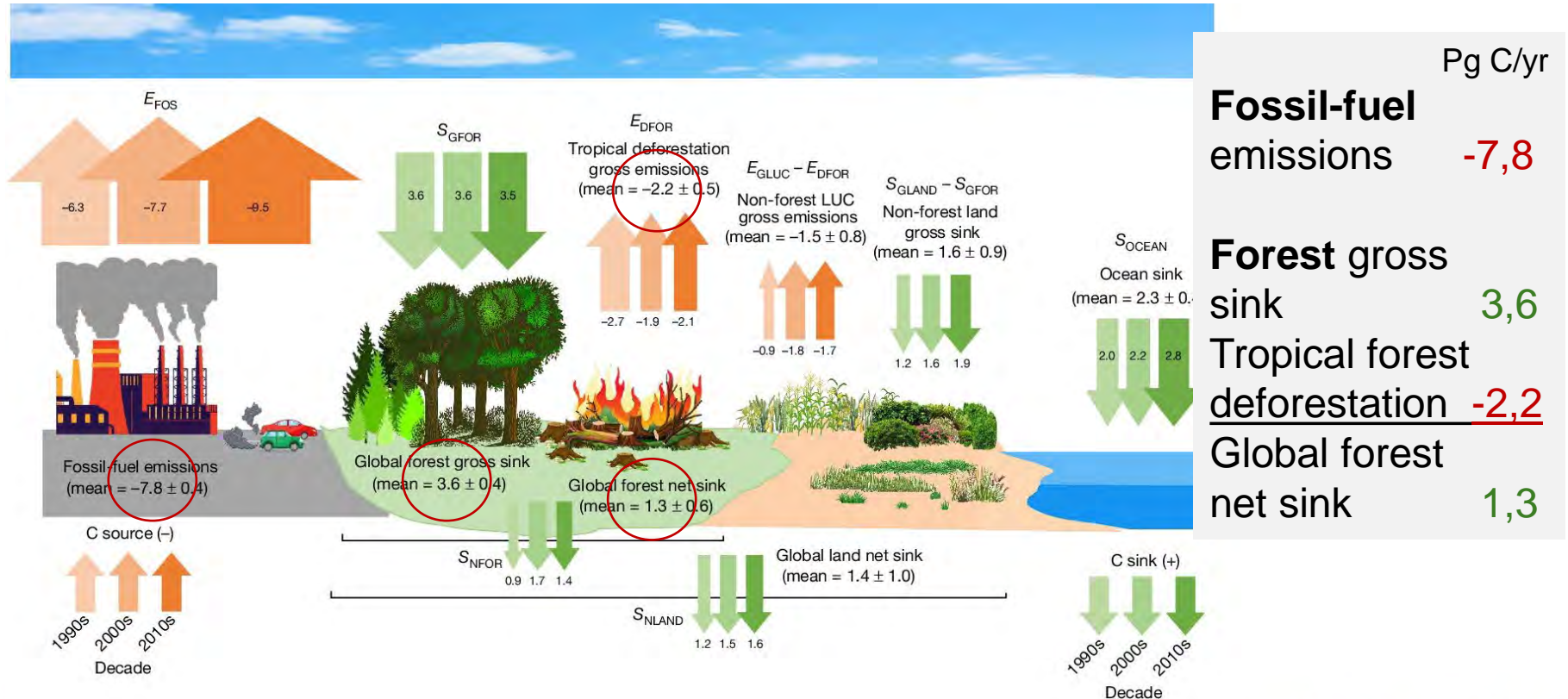
Established forests
(green):
Sink decreasing

Tropical regrowth
(brown) and China:
Sink increasing



GLOBAL CARBON EMISSIONS AND SINKS 1990-2019

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CONCLUSION

Finnish – French Forestry Cooperation

- Enriched forestry knowledge and cultural understanding for Finnish and French professionals
- Positive European influence by initiating 1990 European ministerial conferences

Climate change

- Forests are important in combating climate change, but only reduction of fossil fuel emissions can save the planet

Thank you!

