



REPUBLIC OF ESTONIA
ENVIRONMENT AGENCY

ENVIRONMENTALLY CONSCIOUS IN ANY WEATHER

Joint Forest Sector Questionnaire (JFSQ) Evolving use cases: linkages to the System of Environmental and Economic Accounting

FELIKS SIRKAS

Chief specialist (forestry statistics) | Forest Department

Estonian Environment Agency

Feliks.Sirkas@envir.ee

2024



INTRODUCTION

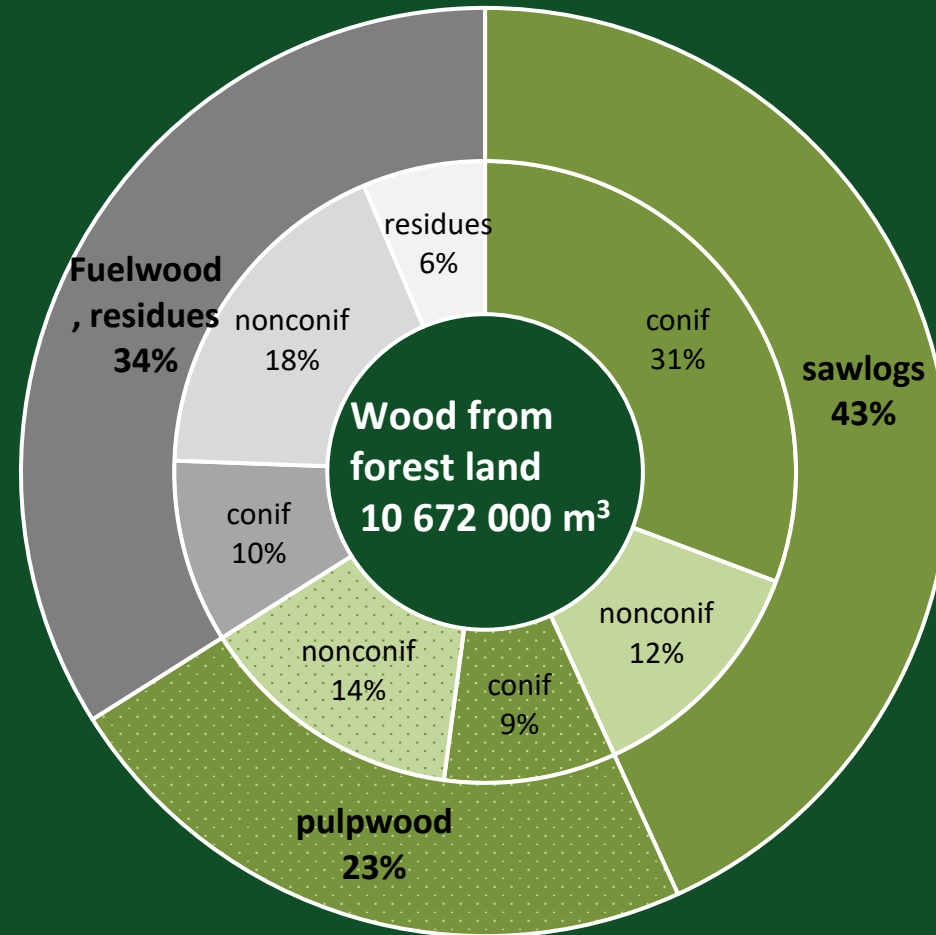


- Joint Forest Sector Questionnaire (JFSQ) ~ System of Environmental and Economic Accounting (SEEA)
 - SEEA - statistical framework; set of tables and accounts
 - goal: consistent and comparable statistics for policymaking, analysis, research
- JFSQ removals ← Estonian Wood Balance
- European Forest Accounts (EFA) – Statistics Estonia FA pilot project
 - JFSQ ~ EFA C-tables
 - project results
- Reporting timeline
- Conclusions and discussion

JFSQ removals. Estonian Wood Balance



- Input from Estonian Wood Balance: assortments from fellings
 - Assortments distributed by final consumption



European Forest Accounts. Overview



- SEEA ← EFA ← JFSQ ← Wood Balance
- Pilot project in 2023 – developing the FA methodology for Estonia:
 - led by Statistics Estonia
 - Experts, stakeholders

EFA Tables:

A	Assets	A1 Wooded land – physical and monetary	<i>(2 core tables)</i>
		A2 Timber – physical and monetary	<i>(2 core tables)</i>
B	Economy	B1 Aggregates of the forestry and logging industry	<i>(a core table)</i>
		B2 Output of the forestry and logging industry by type	
		B3 Monetary supply and use of wood in the rough	
C	Material flow	C1 Physical supply and use of wood in the rough	

<https://ec.europa.eu/eurostat/documents/1798247/6191553/EFA-Explanatory-notes.pdf/37d4eab1-4237-8825-0c99-77fbb97f5291?t=1623367197810>

European Forest Accounts. C-tables



Table C 1 - Physical supply and use of wood in the rough
(a) Supply of wood in the rough by all industries, in 1000 m3 over bark

SUPPLY

Code	Description	51.0 Forestry and logging industry (Division 02)	51.1 Other industries (if any)	51 Supply of products by industries	60 Imports	99 Total supply
1.1.3	Wood in the rough (02.20.1)					
1.1.3.1	Logs					
1.1.3.1.1	Coniferous wood (02.20.11)					
1.1.3.1.2	Non-coniferous wood, except tropical wood (02.20.12)					
1.1.3.1.3	Tropical wood (02.20.13)					
1.1.3.2	Fuel wood					
1.1.3.2.1	Fuel wood of coniferous wood (02.20.14)					
1.1.3.2.2	Fuel wood of non-coniferous wood (02.20.15)					

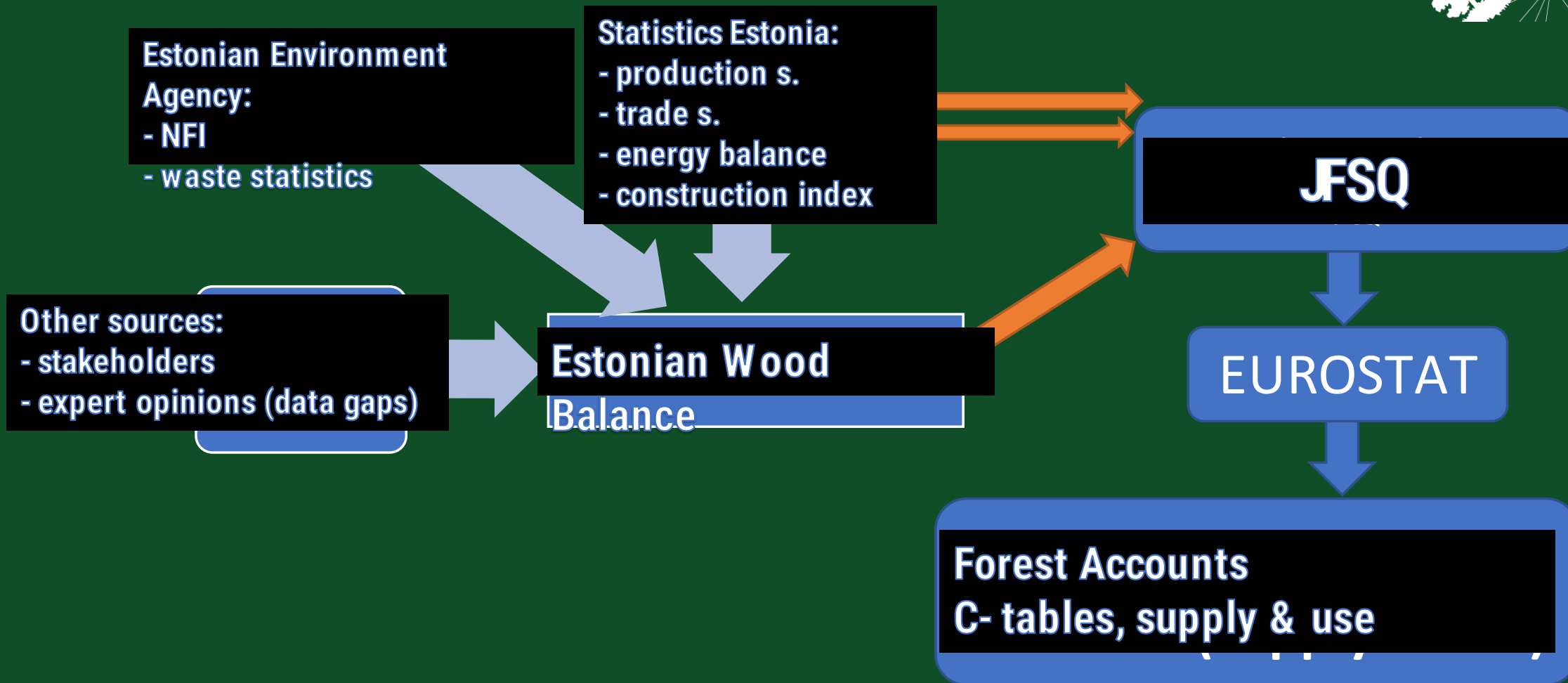
jämepalk
peenpalk
paberipuit

puut mittemetsamaalt
raidmed
küttepuit

USE

Code	Description	51.0 Forestry and logging industry (Division 02) (if any)	51.1 Other industries	51 Use of products by industries	71 Final consumption and capital formation	72 Exports	99 Total use
1.1.3	Wood in the rough (02.20.1)						
1.1.3.1	Logs						
1.1.3.1.1	Coniferous wood (02.20.11)						
1.1.3.1.2	Non-coniferous wood, except tropical wood (02.20.12)						
1.1.3.1.3	Tropical wood (02.20.13)						
1.1.3.2	Fuel wood						
1.1.3.2.1	Fuel wood of coniferous wood (02.20.14)						
1.1.3.2.2	Fuel wood of non-coniferous wood (02.20.15)						

European Forest Accounts. C-tables



European Forest Accounts. Project results



- A tables – forest land and timber assets
 - Physical values - NFI; EFA breakdown too detailed, NFI not intended for such breakdown; different definitions; different data sources for timber flow
 - Monetary values – forest land assets: market transactions; the valuation of the forest land not available for wood supply (not traded)? Two main methods for timber assets: stumpage prices vs net income per m³
- B tables - economic indicators for forestry activity
 - based on: Estonian National Accounts, enterprise statistics – Statistics Estonia
 - data sources for the estimation of households' timber use? household budget survey for building a model
- C tables - supply and use of wood in rough, physical units
 - Main source – JFSQ removals
 - Under bark vs over bark in foreign trade data; Production and trade reporting in the enterprises – both may not be uniform, surveys needed
- Main problem – poor translation, difficult to understand the definitions
- methodological advancement of the forest assets is needed

Reporting timeline



- JFSQ
 - n -2; n-1
 - Wood balance: n-2; in 2024 WB for the year 2022
- European Forest Accounts
 - Deadline, reporting: end of the reference year + 21 months
 - Data for the years n, n-1 and n-2 (from 2022 onwards)
 - by yearly basis
 - The first reference year is 2023 (deadline in September 2025)



Conclusions & Discussion



REPUBLIC OF ESTONIA
ENVIRONMENT AGENCY

ENVIRONMENTALLY CONSCIOUS IN ANY WEATHER

Thank You for the attention!

FELIKS SIRKAS

Chief specialist (forestry statistics) | Forest Department

Estonian Environment Agency

Feliks.Sirkas@envir.ee

Copyright: 21 May 2024, Estonian Environment Agency, all rights reserved.
For reproduction permission and all other issues, please contact Feliks.Sirkas@Envir.ee

2024



11