



# Timber measurement system in Latvia

Jānis Magaznieks

**SIA Management of Latvian Roundwood  
measurement and accounting**

**22nd of September 2021/Riga**

Why timber flow management is important in Latvia?



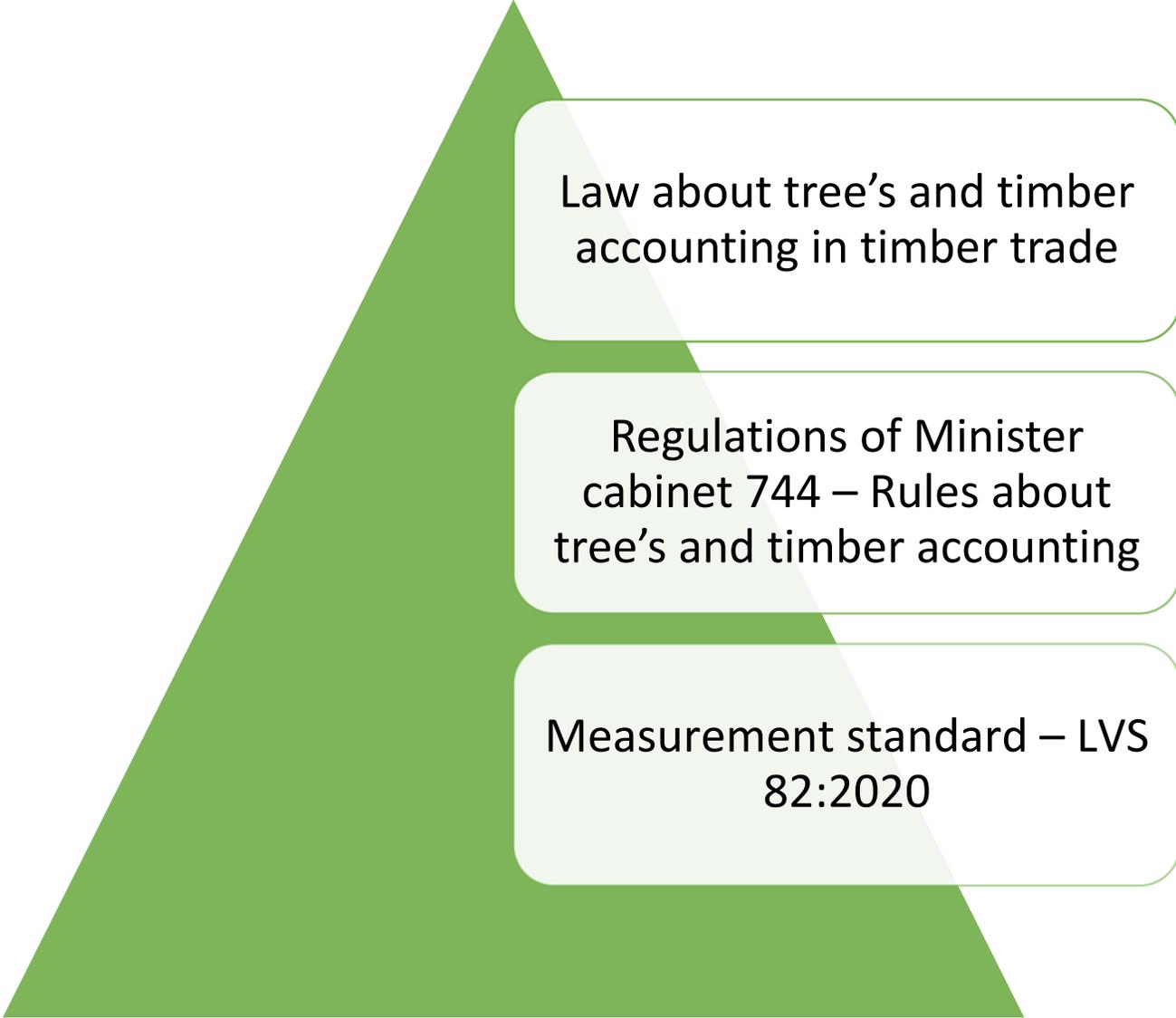
~ 14 milj.m<sup>3</sup>  
~0,5 milj.loads  
~30milj.  
Individually  
measured logs

## • Timber flow

~500 production  
sites  
~900 trucks  
~135 thousand  
forest owners  
(5000 companies)

## • Participants

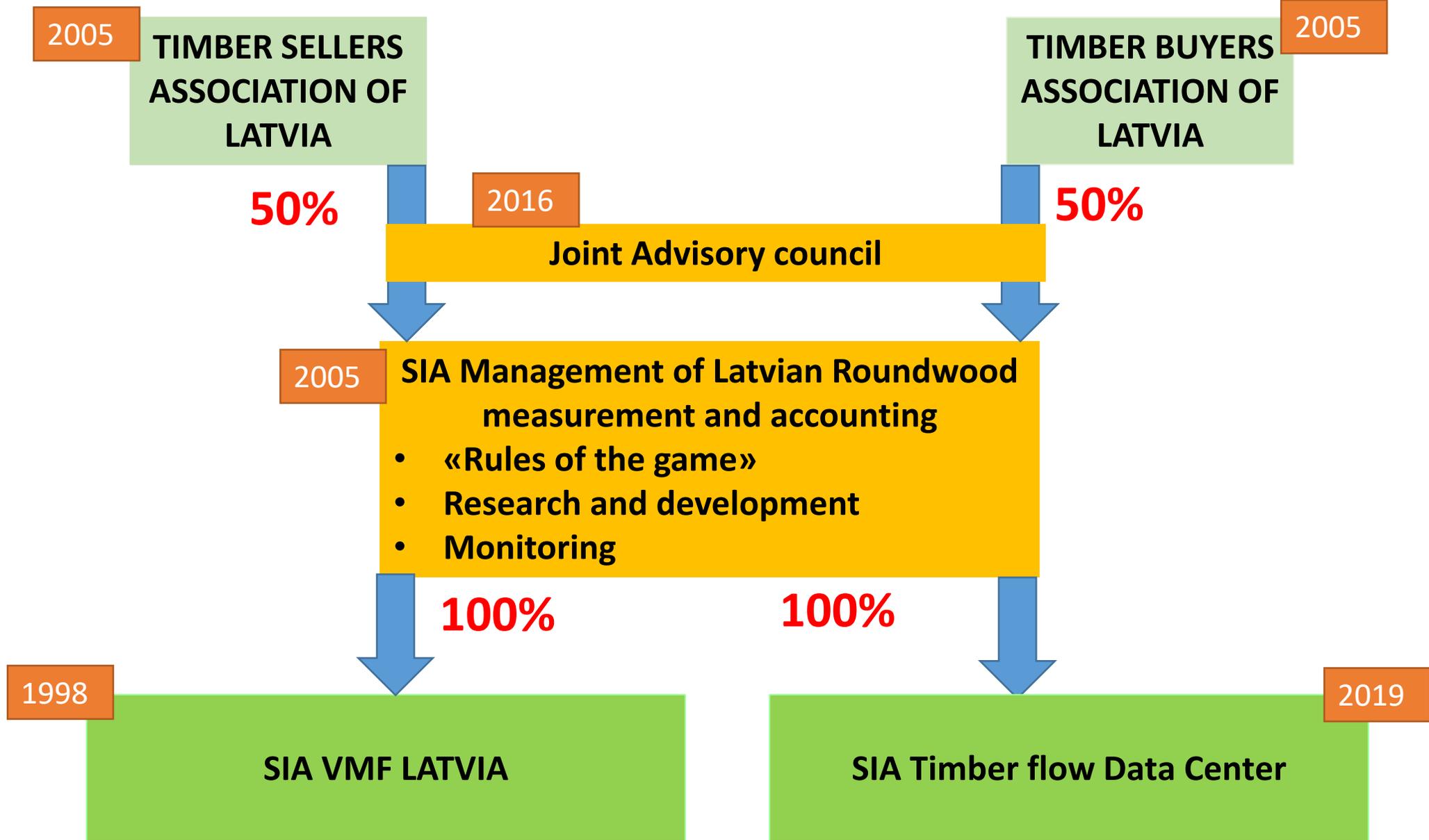
# Regulation's in Latvia



Law about tree's and timber  
accounting in timber trade

Regulations of Minister  
cabinet 744 – Rules about  
tree's and timber accounting

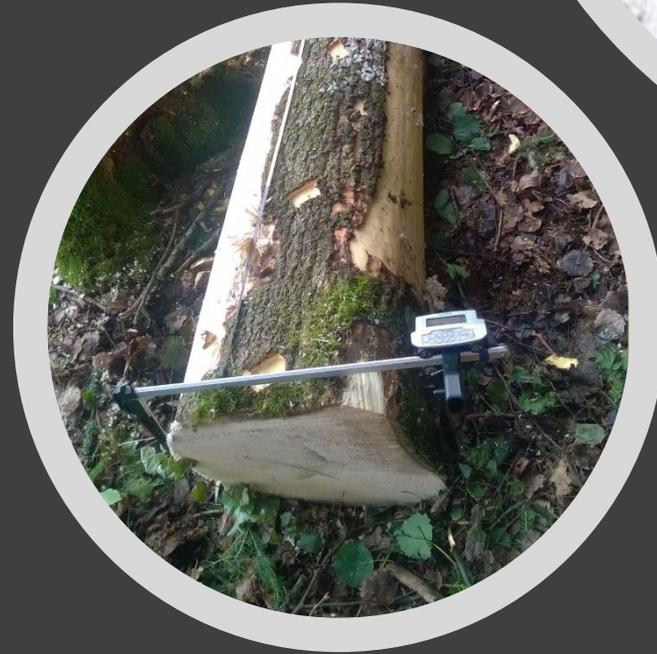
Measurement standard – LVS  
82:2020



5

# Measurement development

$$1\text{m}^3 = 1\text{m}^3$$



# How actual measurements are done?

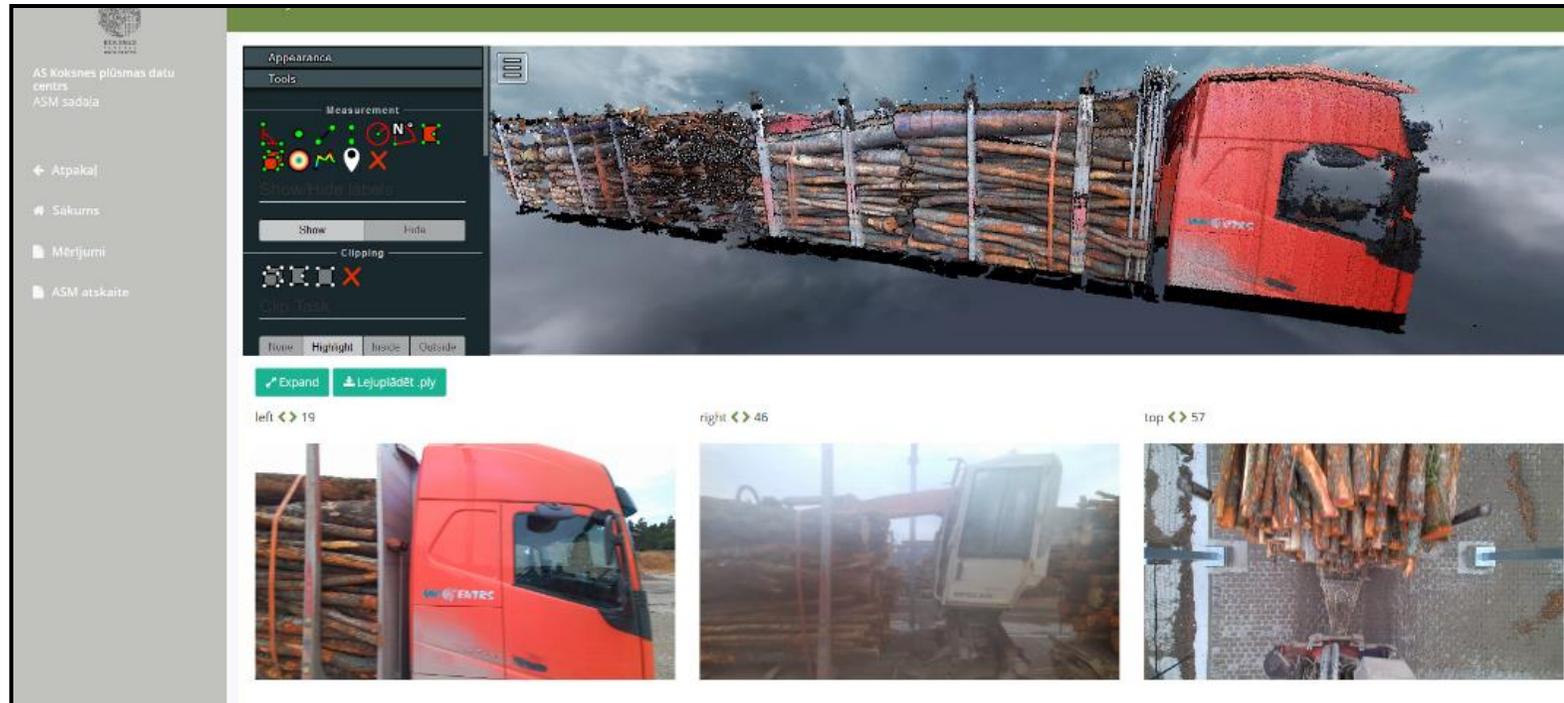
Individual measurements



Stack measurements



6



1D ~ (10%)  
3D ~ (90%)

Measurement

- Diameter
- Lengths
- Rounding

Volume calculation  
for timber trade

- By mid diameter  
Huber's formula
- By top diameter +  
taper
- Step by step  
measurement

Calculation for  
control measurement

- 1m step method

High importance for timber  
sellers and buyers

Individual  
measurements

By hand

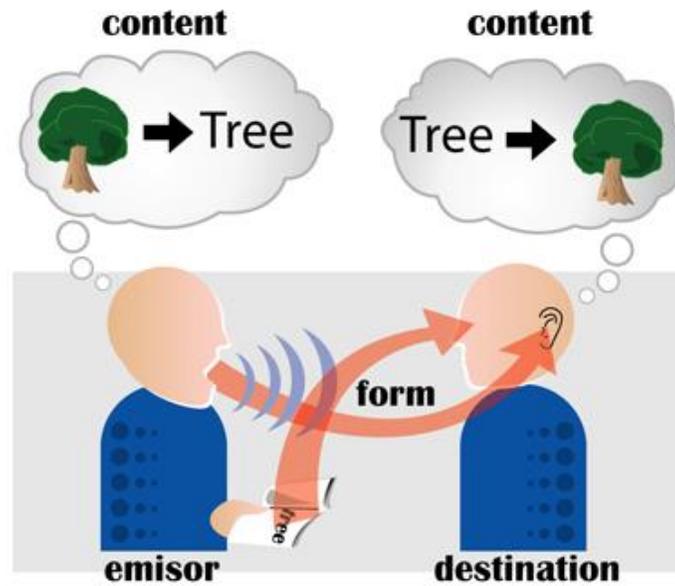
By mobile  
PhotoWeb

Automatic  
measurment

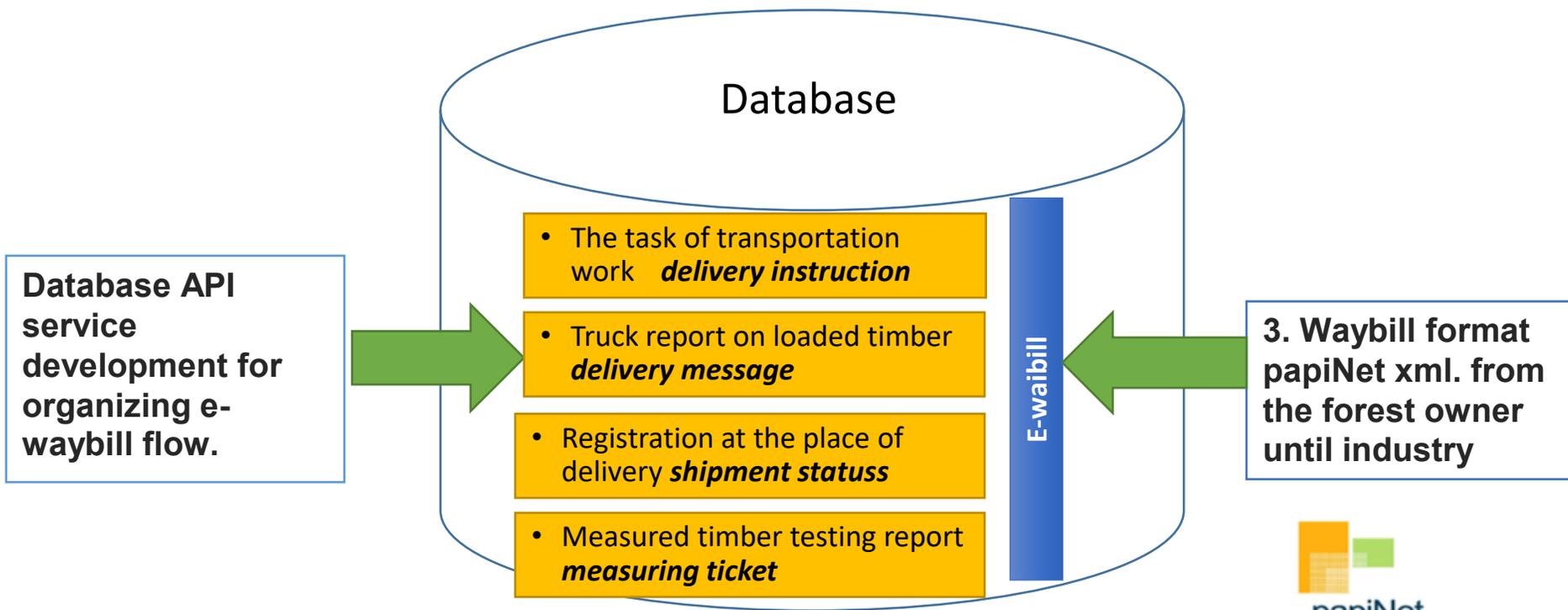
Control measurment by top butt individual measurement method

Stack  
measurements

# 111118280360



Pine sawlow, Top diameter 18-28 cm, lenght for payment 3.6 m





Thank you for your attention!

Jānis Magaznieks

SIA Management of Latvian Roundwood measurement and  
accounting

MOB. +37126669793

E-MAIL [janis.magaznieks@lkuuv.lv](mailto:janis.magaznieks@lkuuv.lv)