



Jornada Técnica

**EXPERIENCIAS DE
APROVECHAMIENTO
DE BIOMASA RESIDUAL
FORESTAL EN GALICIA**



5 de Noviembre de 2021

**Escuela de Ingeniería Forestal
Campus Universitario A Xunqueira
Pontevedra**

Escola de Enxeñaría Forestal
Campus de Pontevedra

Universidade de Vigo

LA BIOMASA EN EL MARCO DEL SECTOR FORESTAL

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DIRECTIVA (UE) 2018/2001 DEL PARLAMENTO EUROPEO Y DEL CONSEJO

- 1) «energía procedente de fuentes renovables» o «energía renovable»: la energía procedente de fuentes renovables no fósiles, es decir, energía eólica, energía solar (solar térmica y solar fotovoltaica) y energía geotérmica, energía ambiente, energía mareomotriz, energía undimotriz y otros tipos de energía oceánica, energía hidráulica y **energía procedente de biomasa**, gases de vertedero, gases de plantas de depuración, y biogás;



FINITE SOURCES



RENEWABLE SOURCES

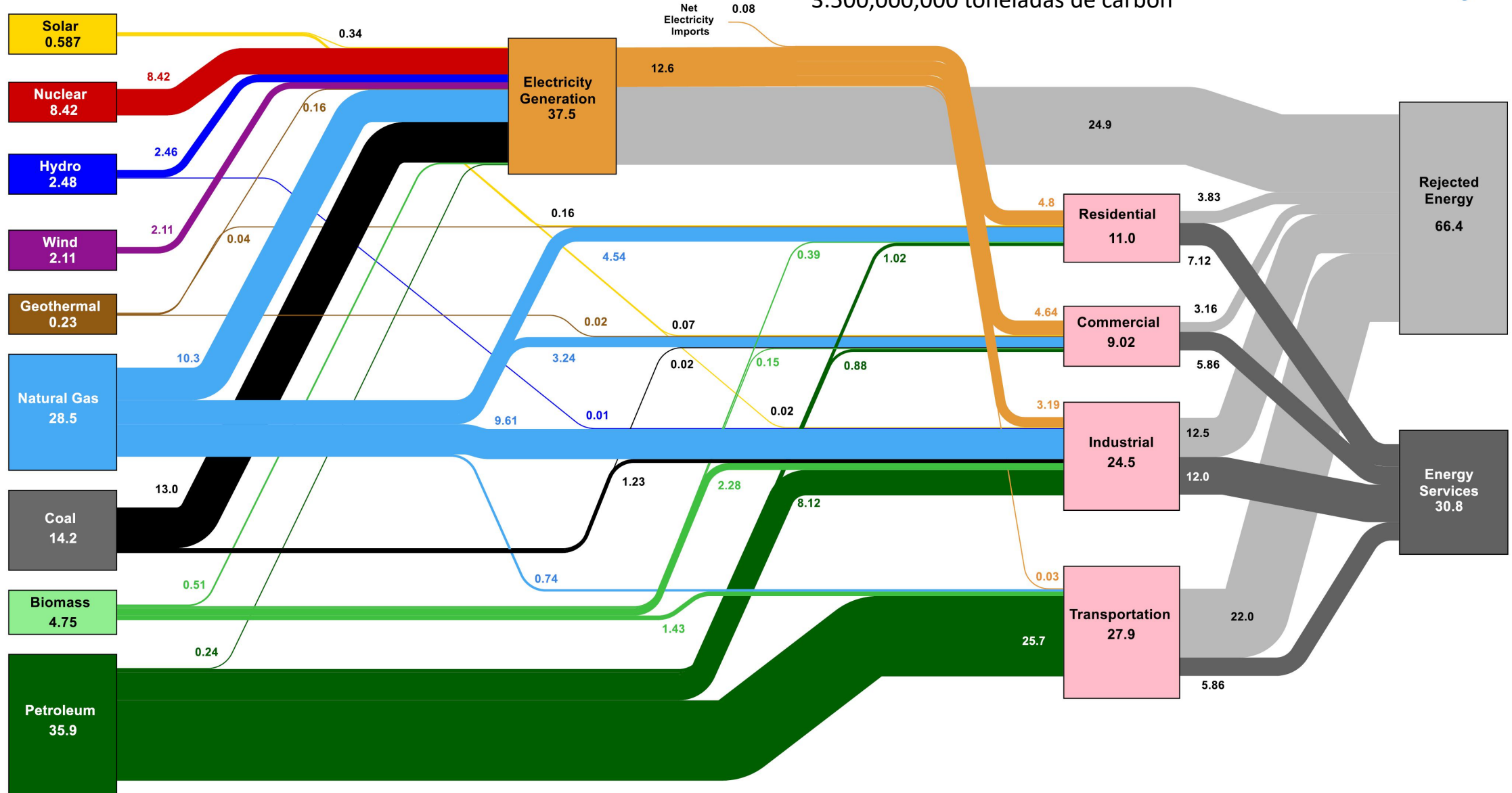
DIRECTIVA (UE) 2018/2001 DEL PARLAMENTO EUROPEO Y DEL CONSEJO

- 24) «**biomasa**»: la fracción biodegradable de los productos, residuos y desechos de origen biológico procedentes de actividades agrarias, incluidas las sustancias de origen vegetal y de origen animal, de la silvicultura y de las industrias conexas, incluidas la pesca y la acuicultura, así como la fracción biodegradable de los residuos, incluidos los residuos industriales y municipales de origen biológico;



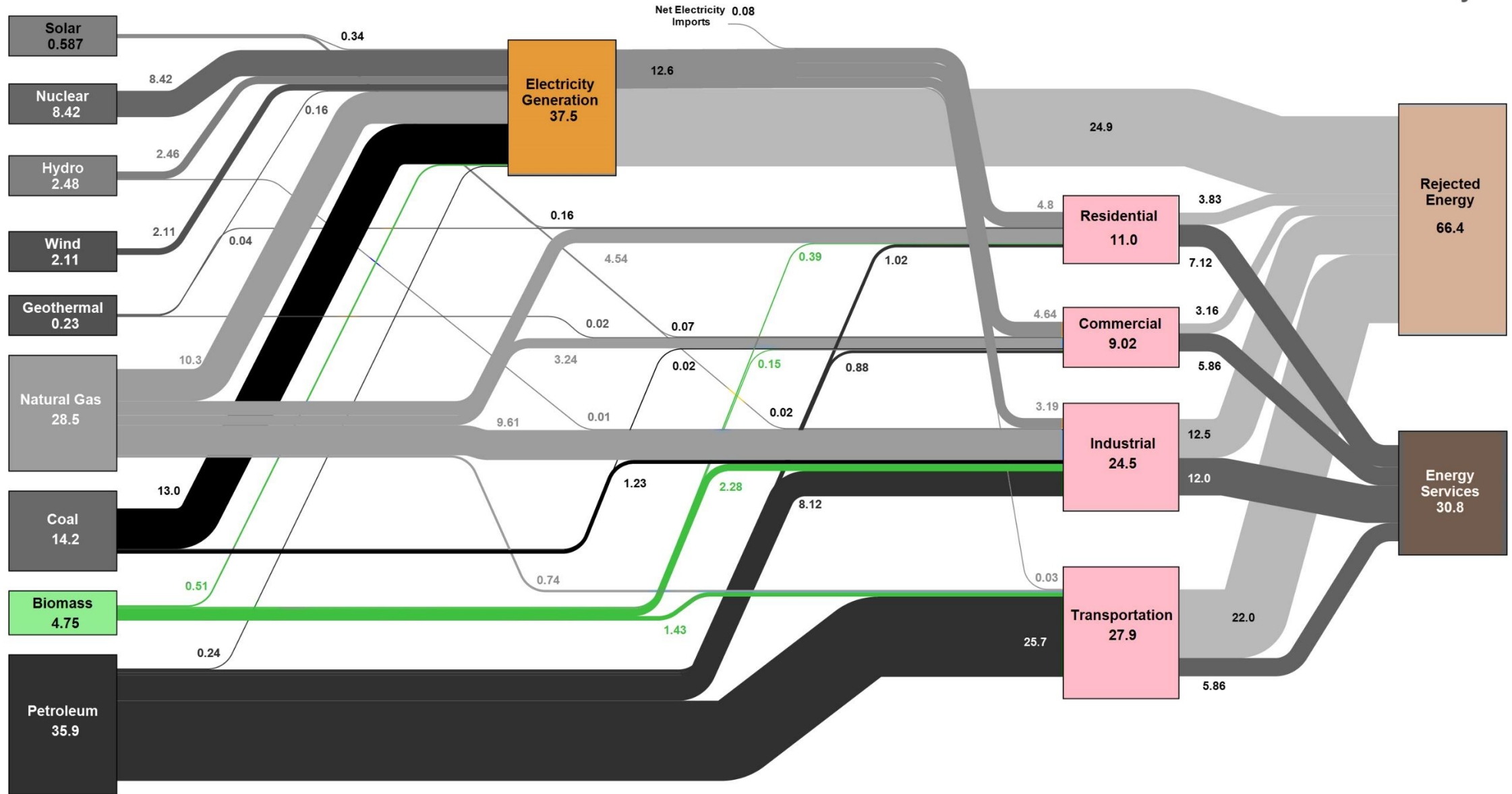
Estimated U.S. Energy Consumption in 2016: 97.3 Quads

3.500,000,000 toneladas de carbón



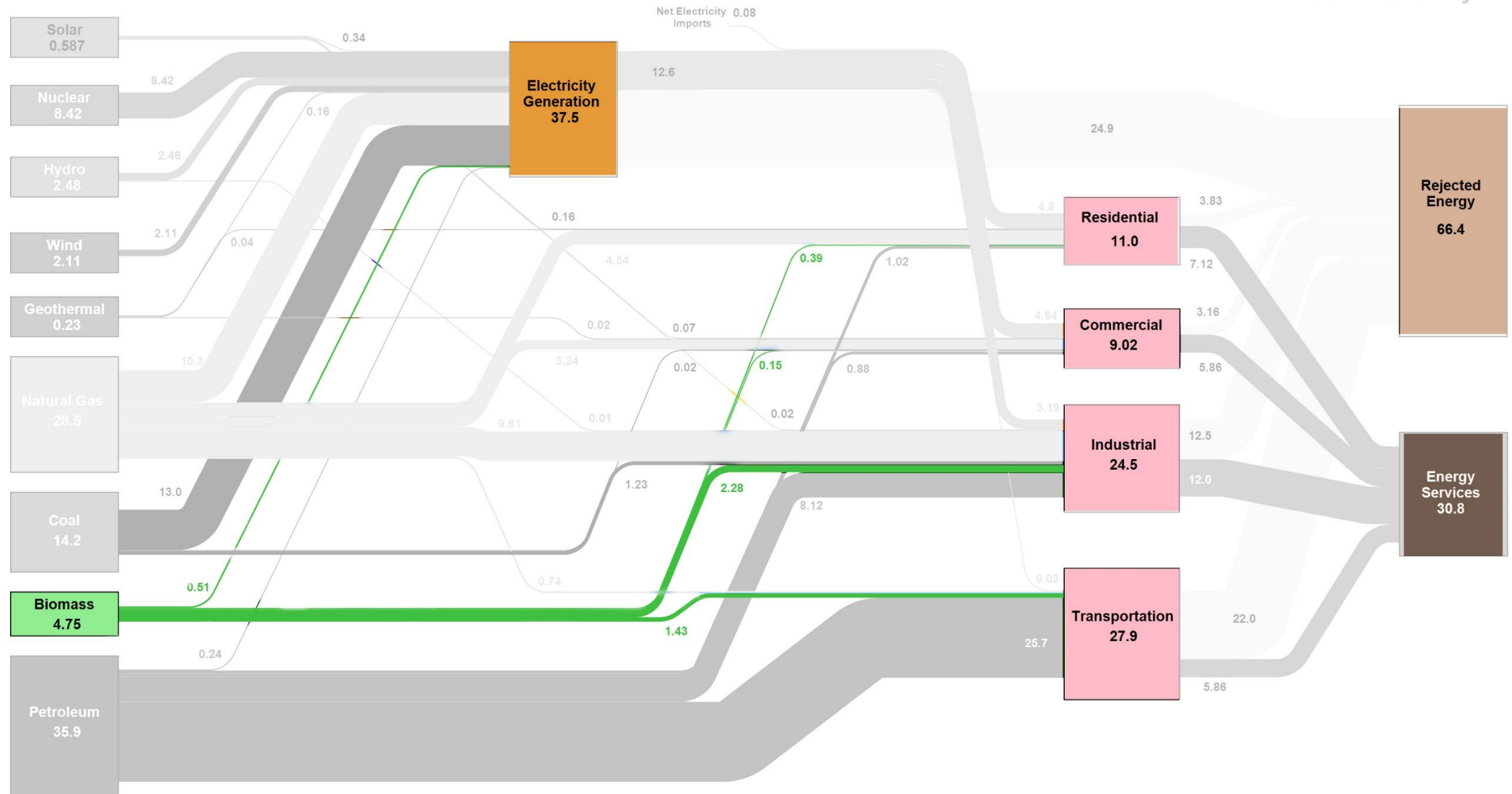
Source: LLNL March, 2017. Data is based on DOE/EIA MER (2016). If this information or a reproduction of it is used, credit must be given to the Lawrence Livermore National Laboratory and the Department of Energy, under whose auspices the work was performed. This chart was revised in 2017 to reflect changes made in mid-2016 to the Energy Information Administration's analysis methodology and reporting. The efficiency of electricity production is calculated as the total retail electricity delivered divided by the primary energy input into electricity generation. End use efficiency is estimated as 65% for the residential sector, 65% for the commercial sector, 21% for the transportation sector, and 49% for the industrial sector which was updated in 2017 to reflect DOE's analysis of manufacturing. Totals may not equal sum of components due to independent rounding. LLNL-MI-410527

Estimated U.S. Energy Consumption in 2016: 97.3 Quads



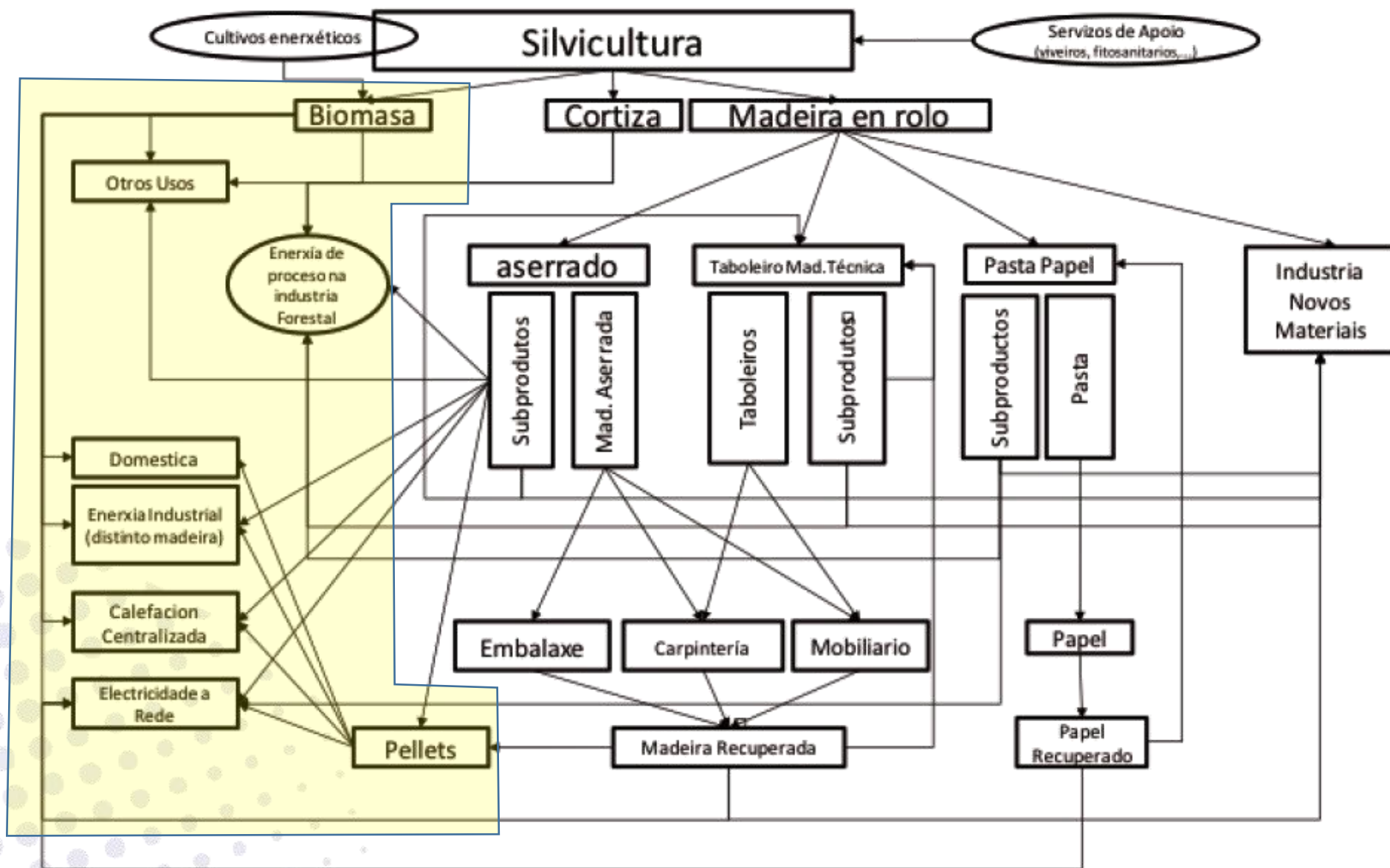
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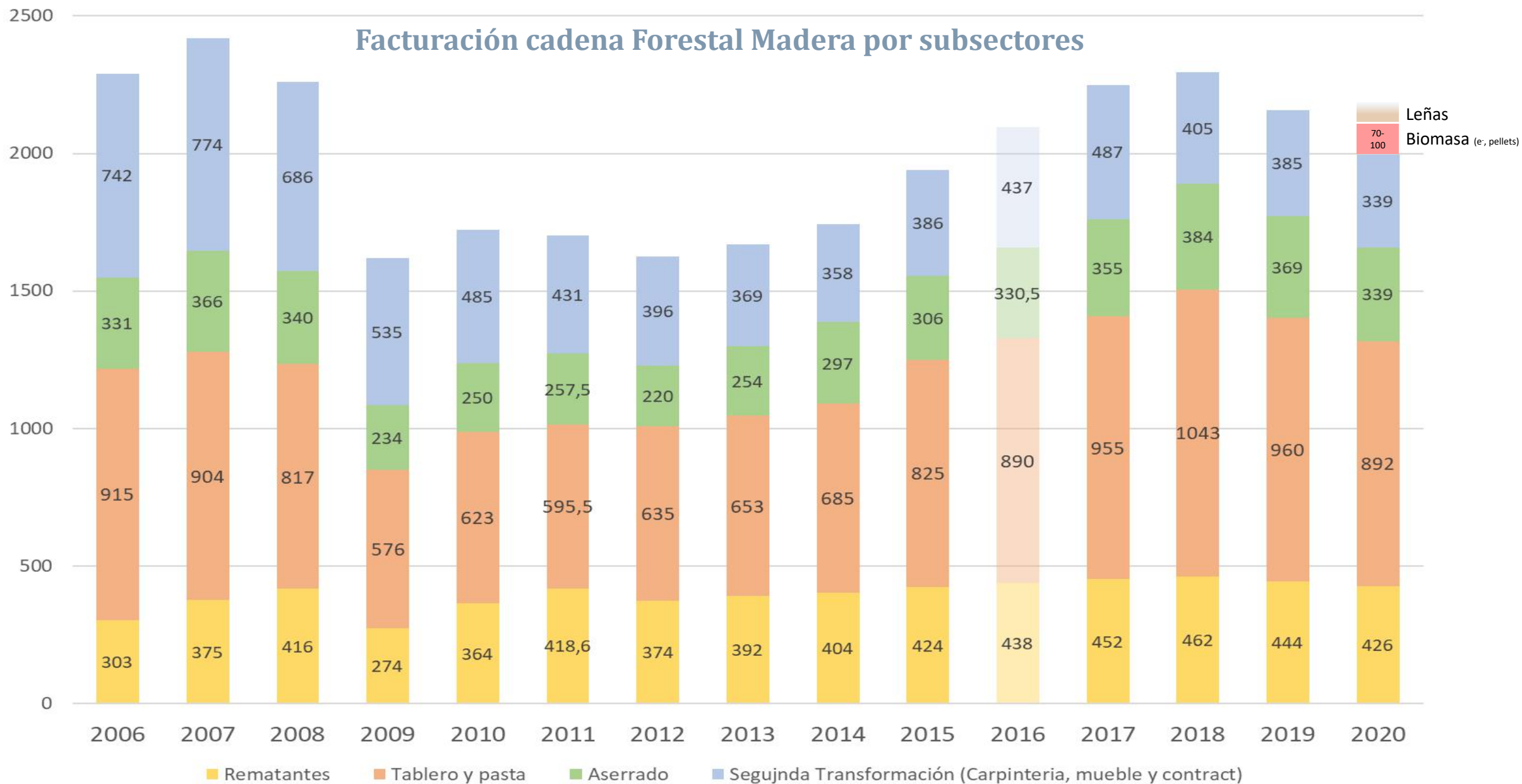


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Figura 1 Esquema da Cadeia de Valor Forestal-Madeira



Facturación cadena Forestal Madera por subsectores



BIOECONOMIA CIRCULAR : Mas que bioeconomía y Más que economía circular

