



Alex
Cunningham
Ltda

MERCADO GLOBAL DE PINE CHEMICALS 2021

Alex Cunningham
alex@alexcunningham.com.br

1º Encontro Virtual 3D Brasileiro de Pine Chemicals

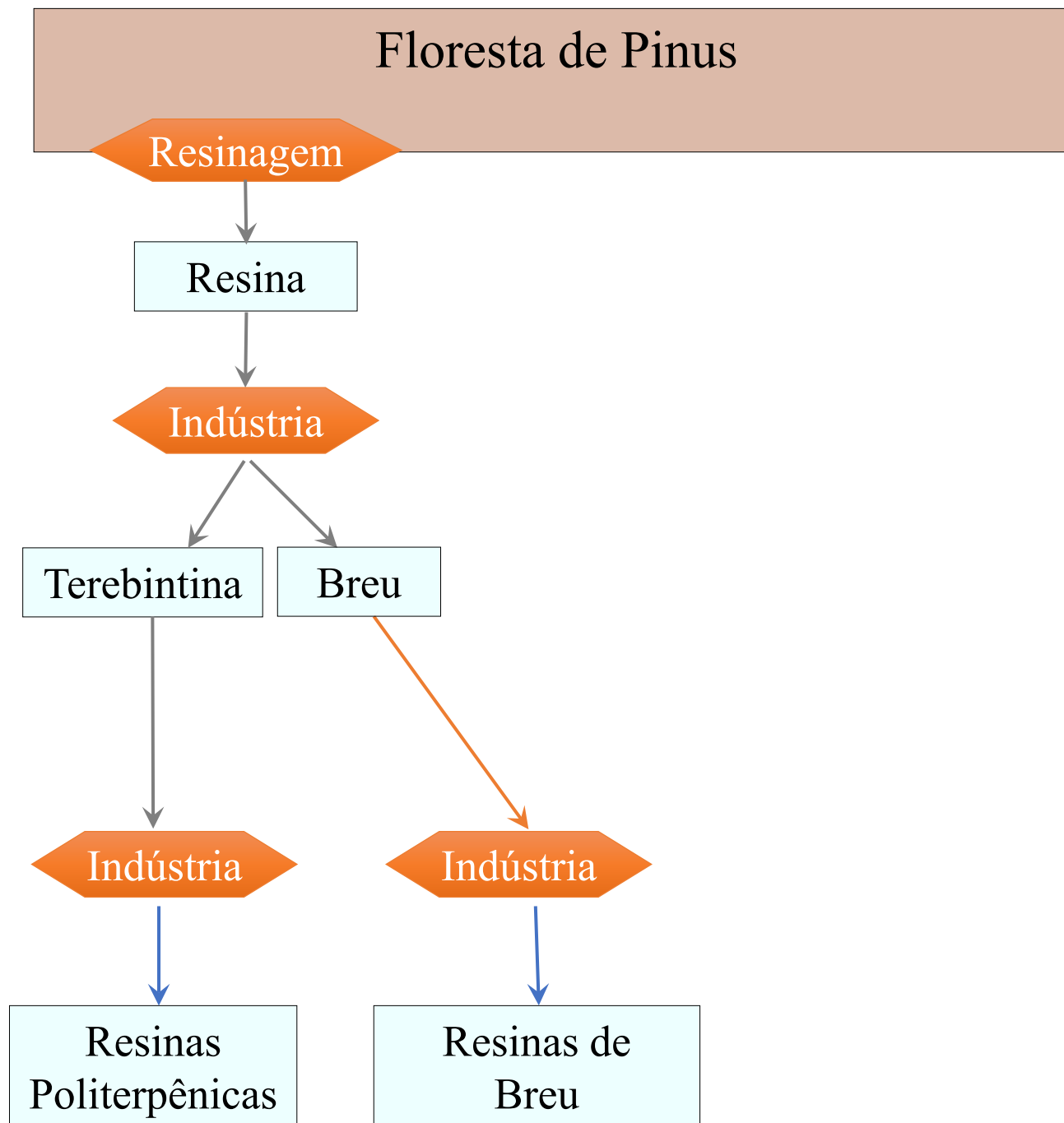
6 / Julho / 2021

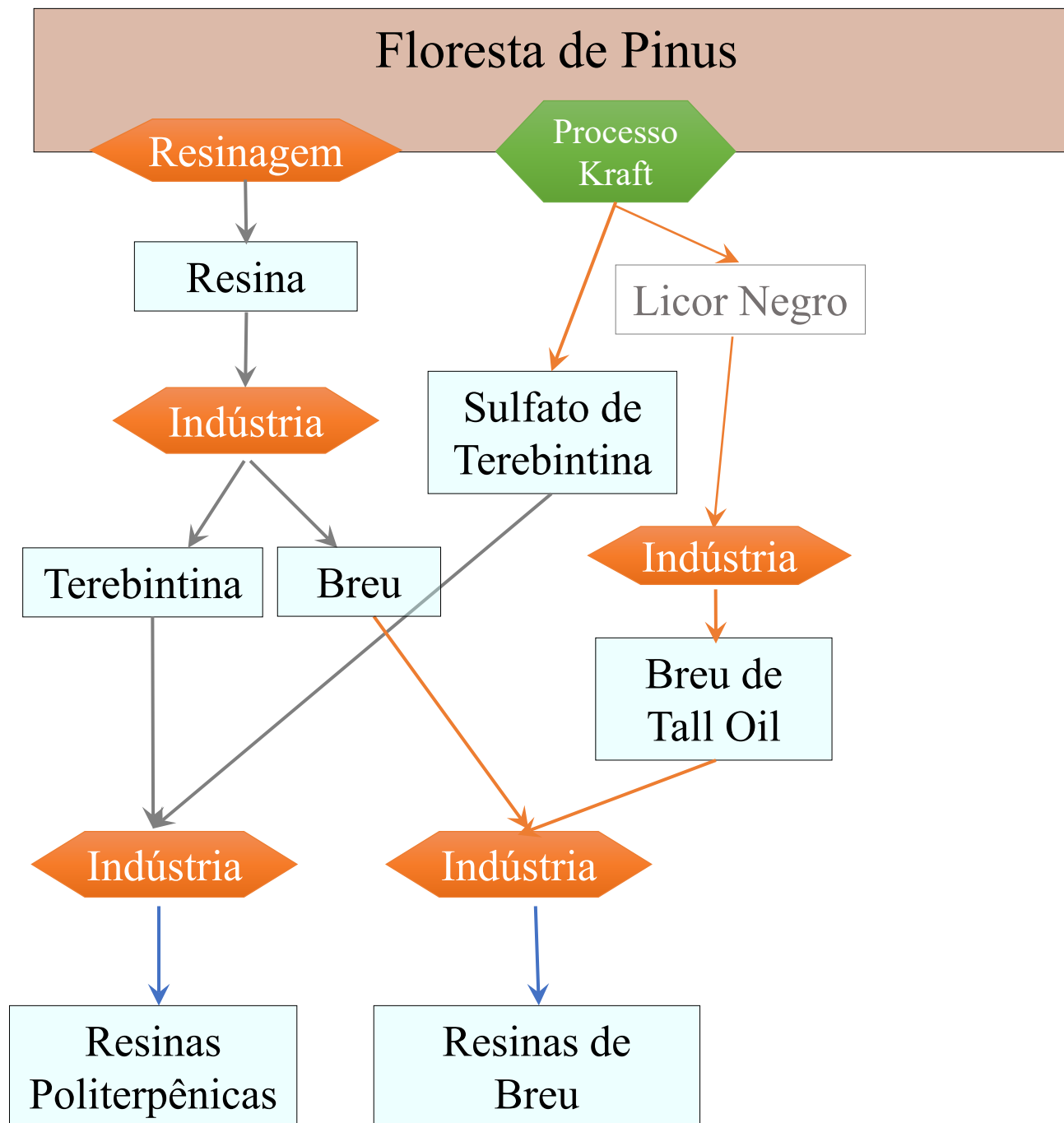
Histórico do Encontro Brasileiro de Pine Chemicals

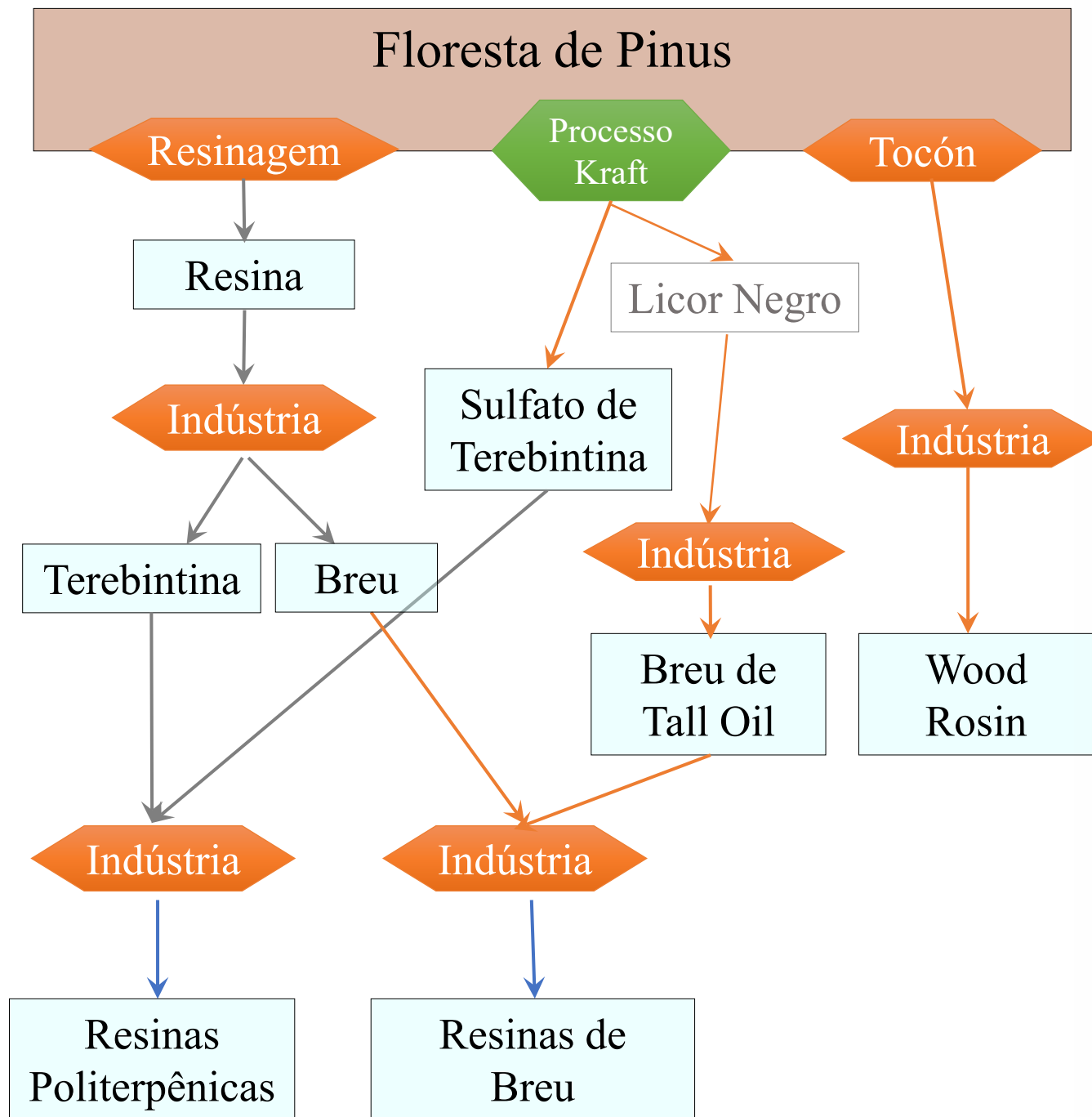
- Semiários ANIPIN 2003, 2004, 2005, e 2006.
- Encontro de Pine Chemicals São Paulo 2010 à 2017

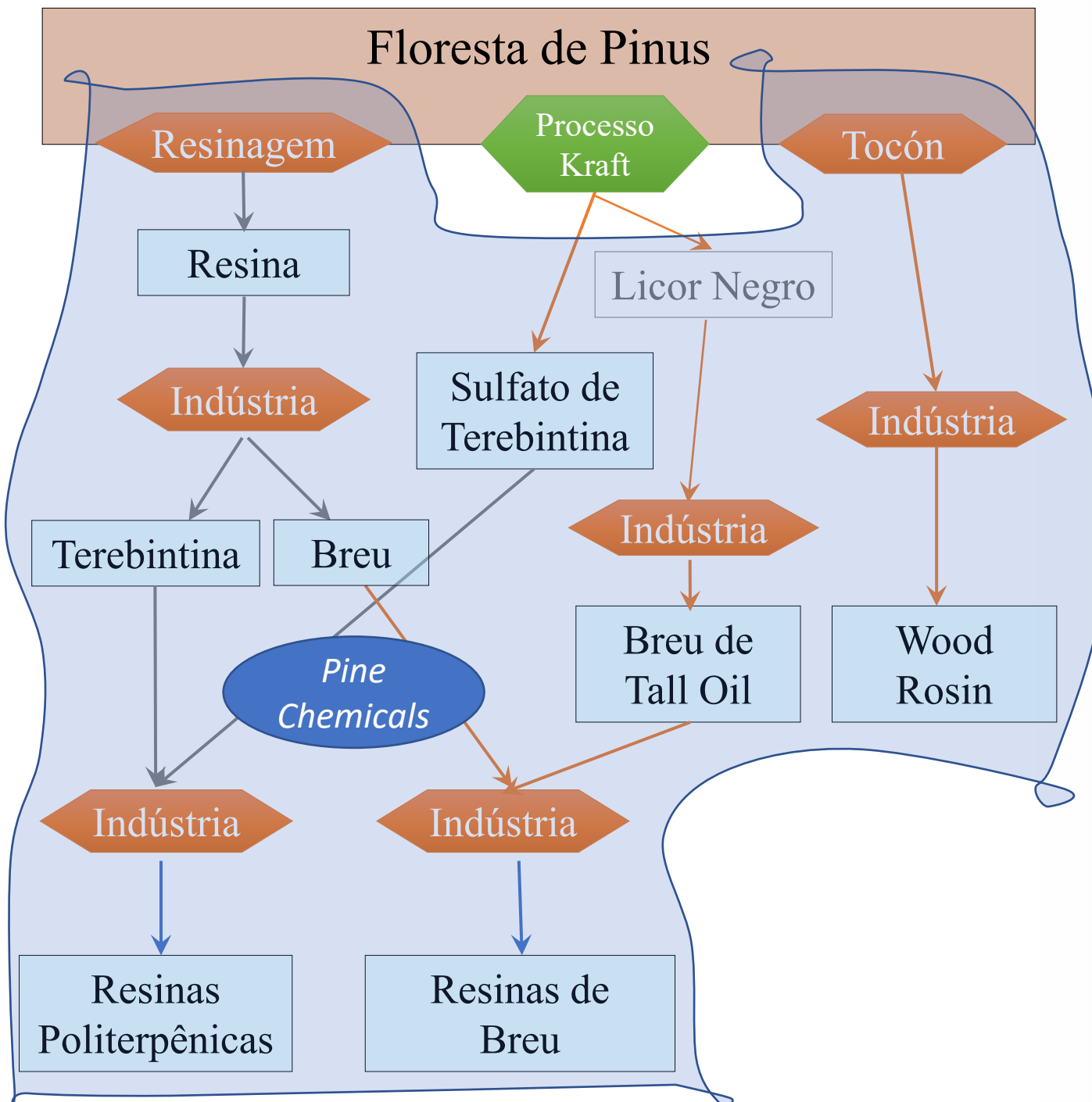
- Definição de Pine Chemicals
- Resinagem de Pinus Últimos 170 anos
- Resinagem de Pinus Hoje
- Resinagem de Pinus Amanhã

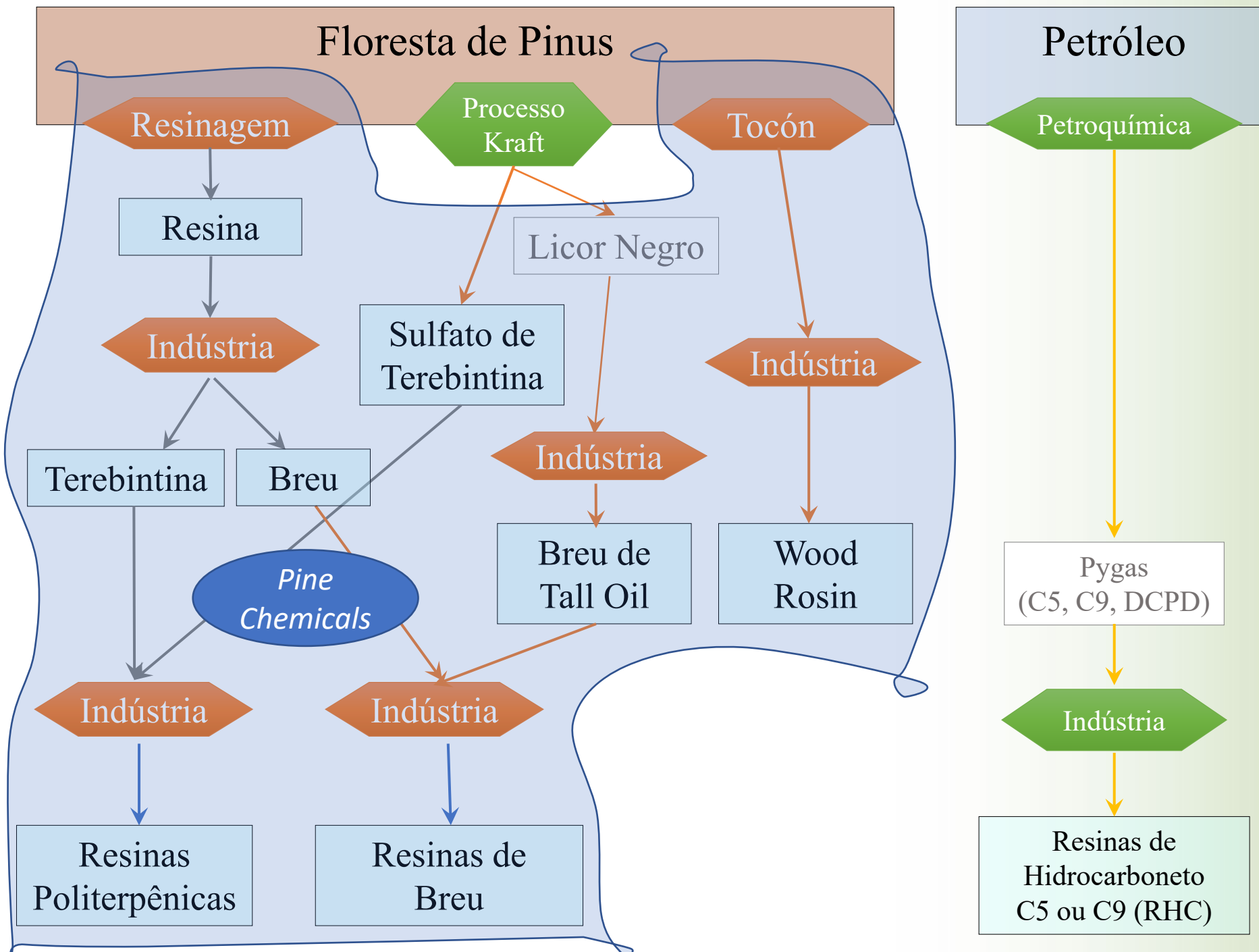
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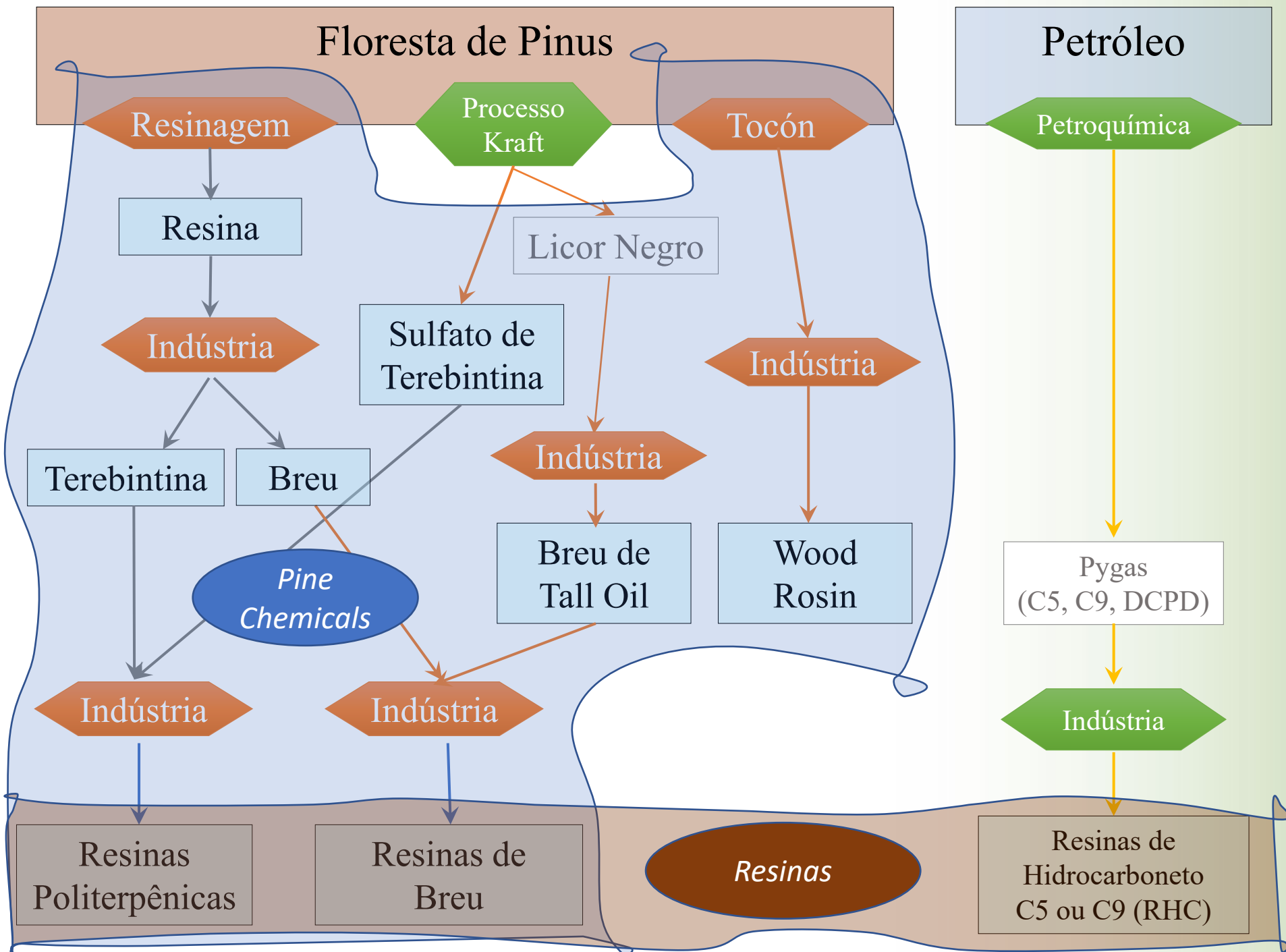






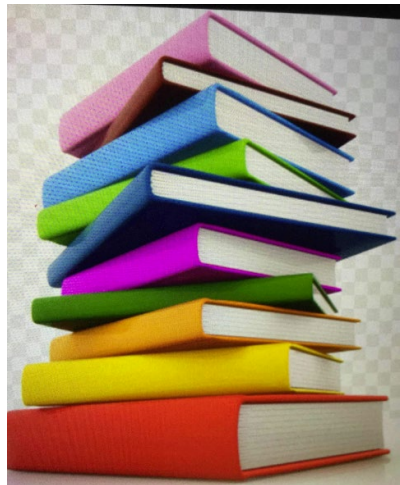






Os Pine Chemicals em Nosso Dia a Dia

Produtos de consumo em massa desde começos do Século XX!



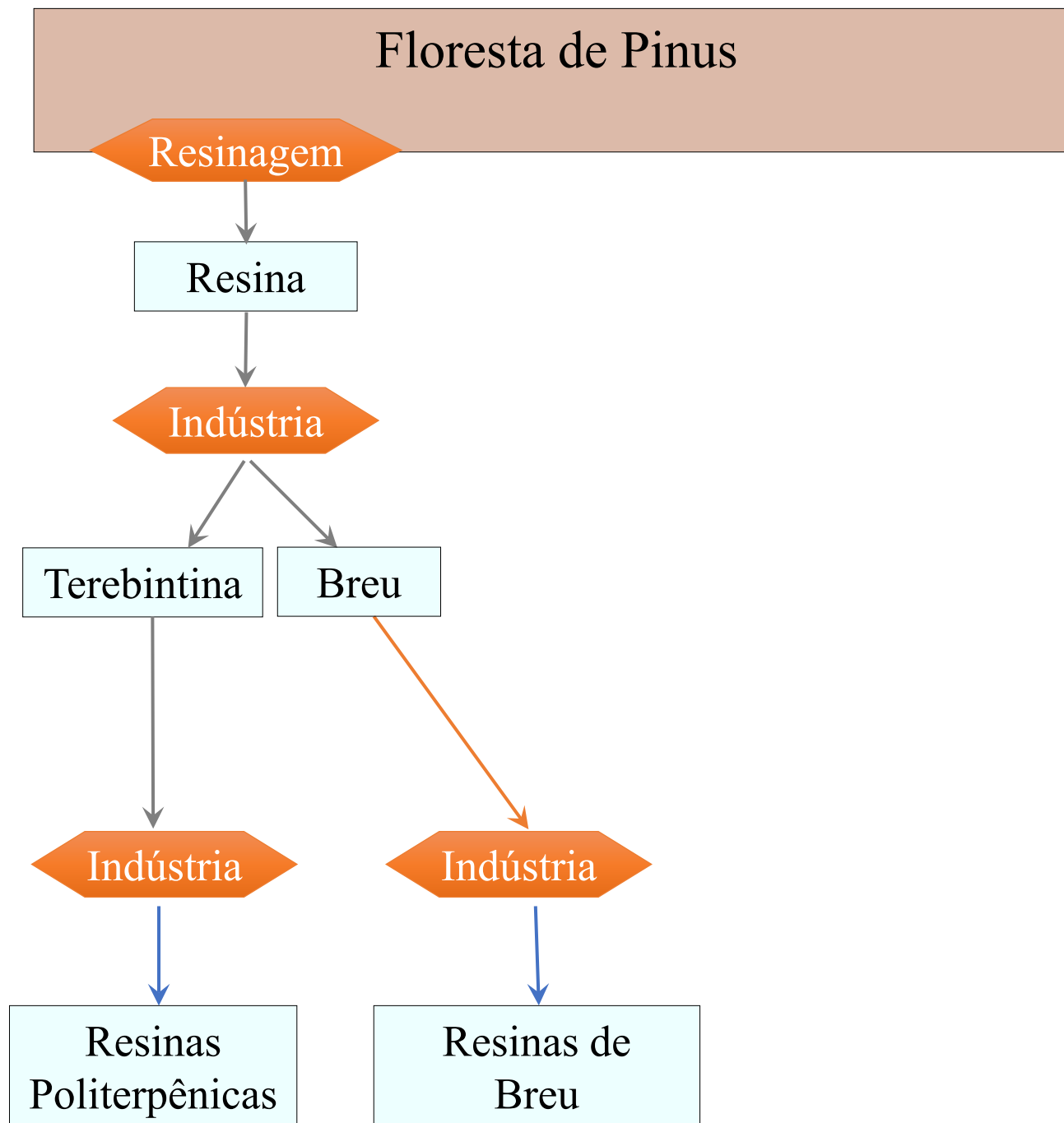
Ferramentas Neolíticas de 40.000 anos atrás!



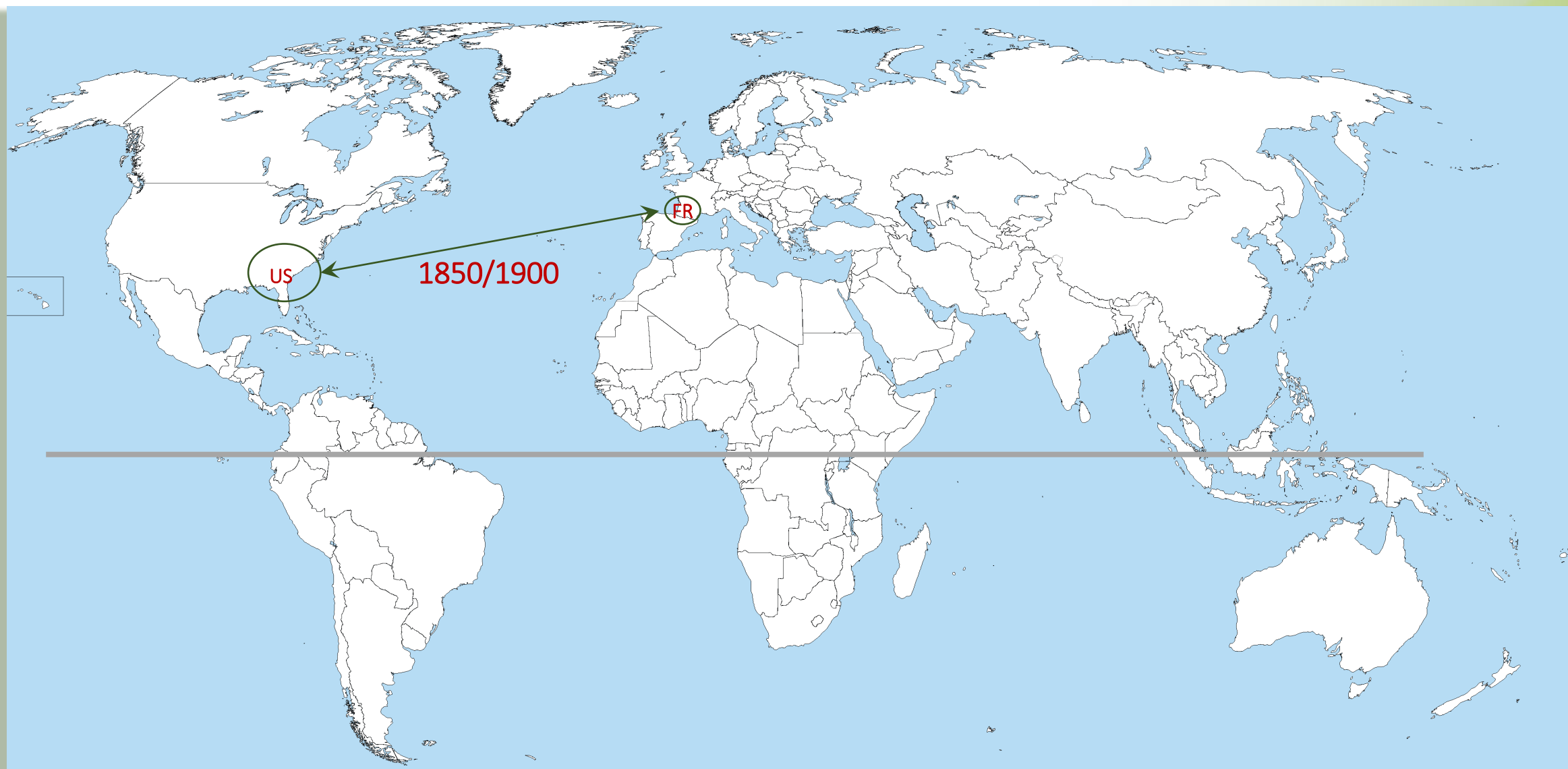
Pontas de lanças com restos
de oleoresina (R)



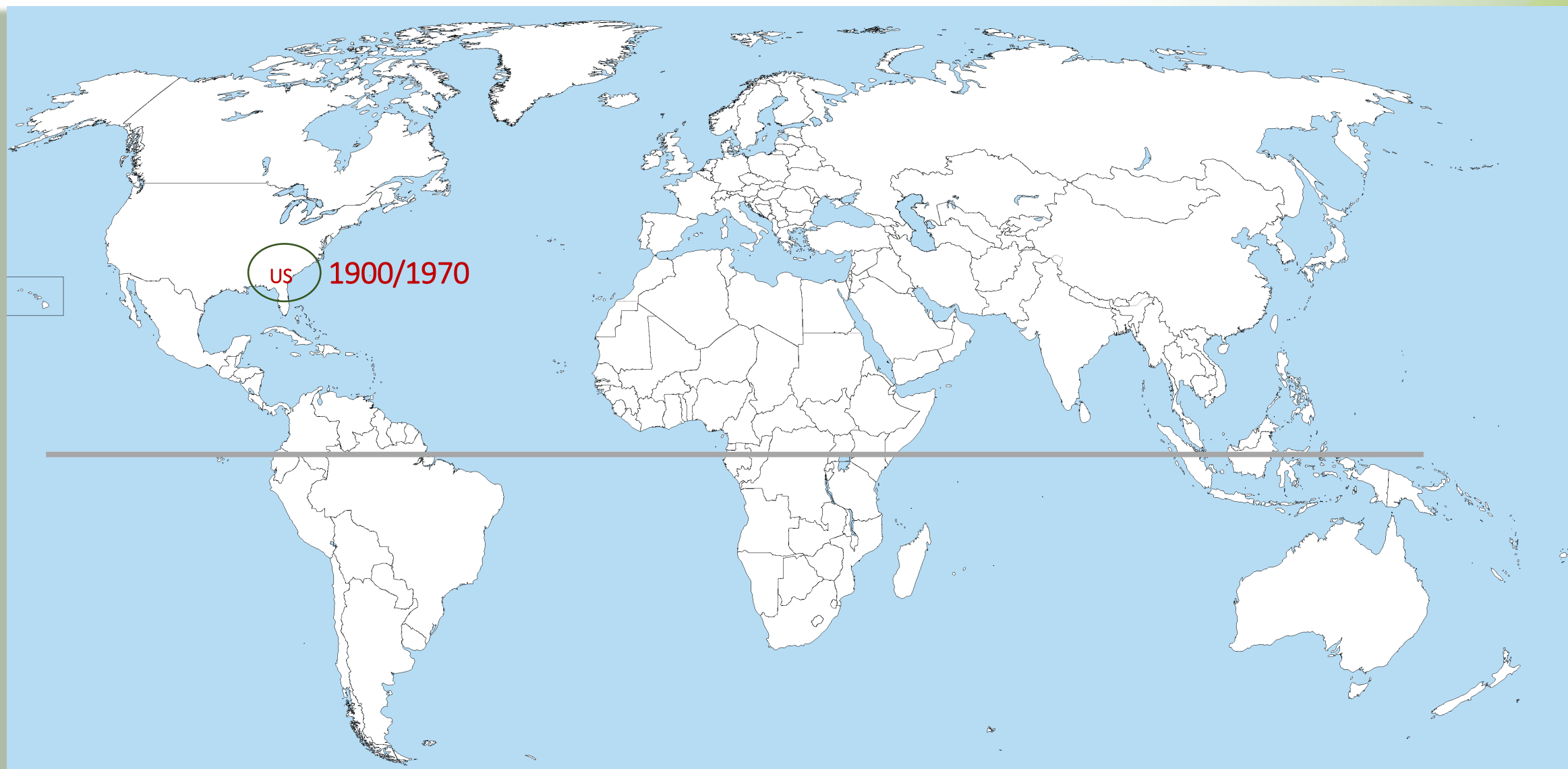
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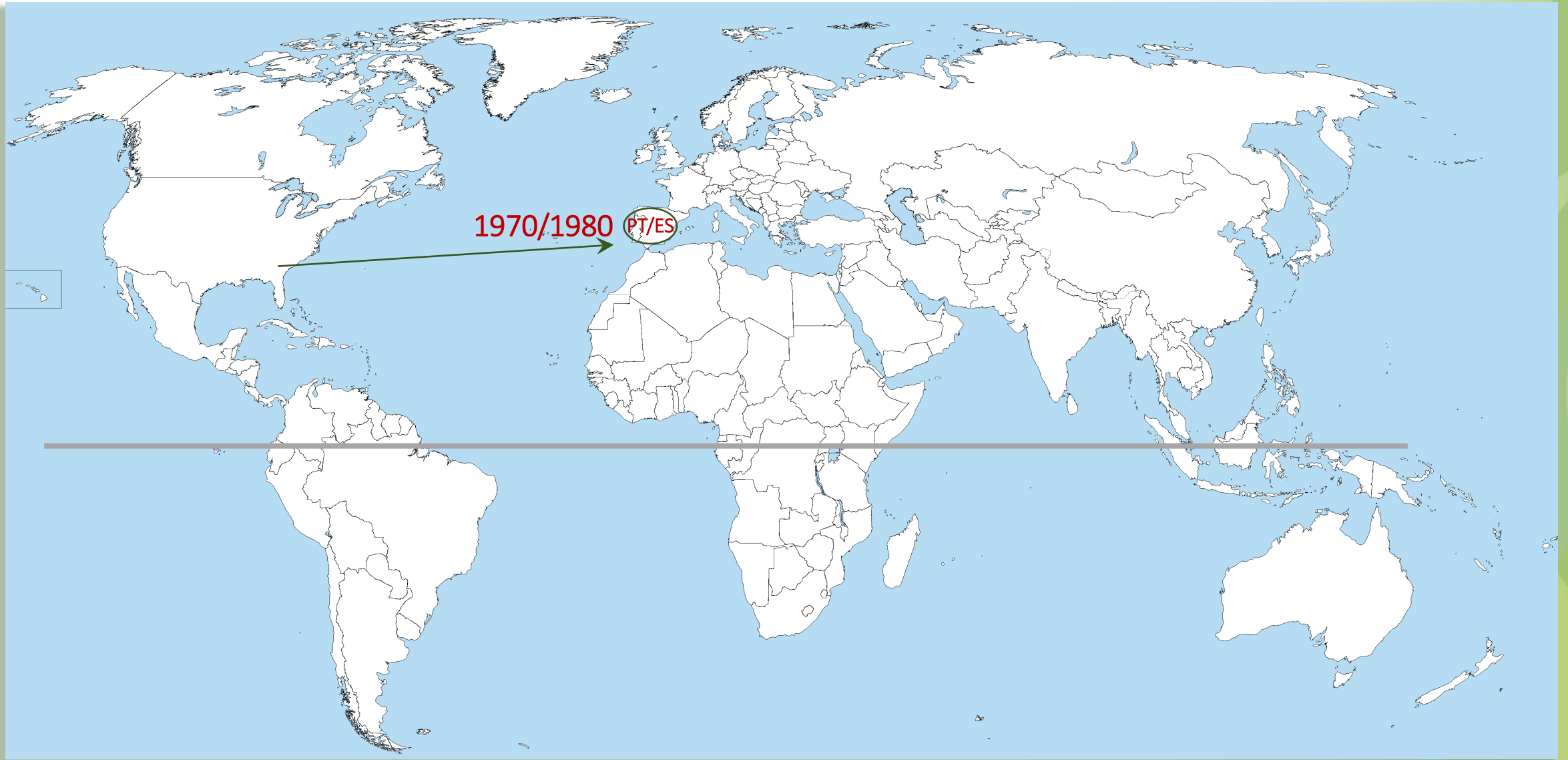


A resinagem de pinus entre 1850 e 1900 se desenvolve comercialmente e forma a base da indústria dos Pine Chemicals.

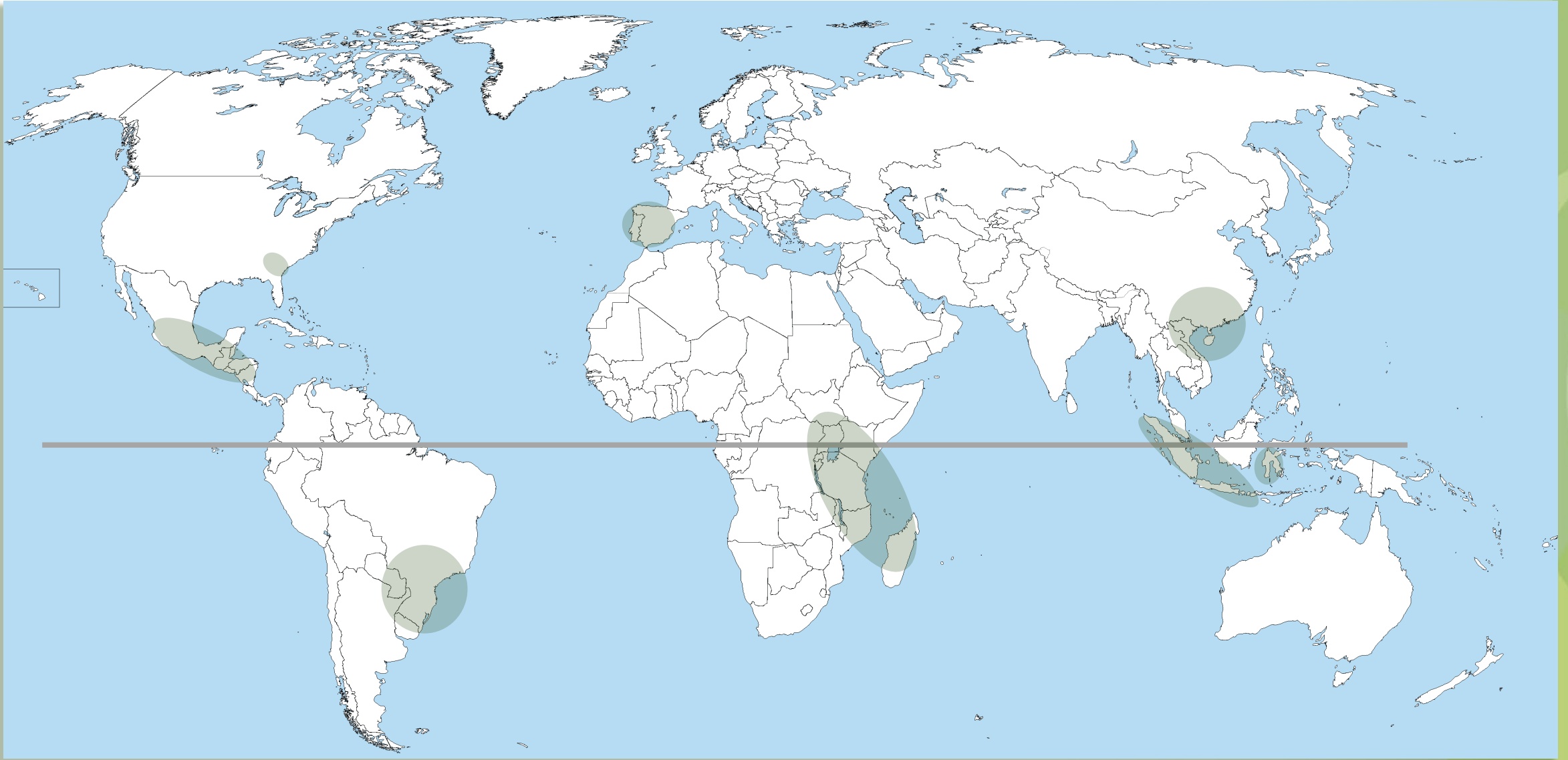


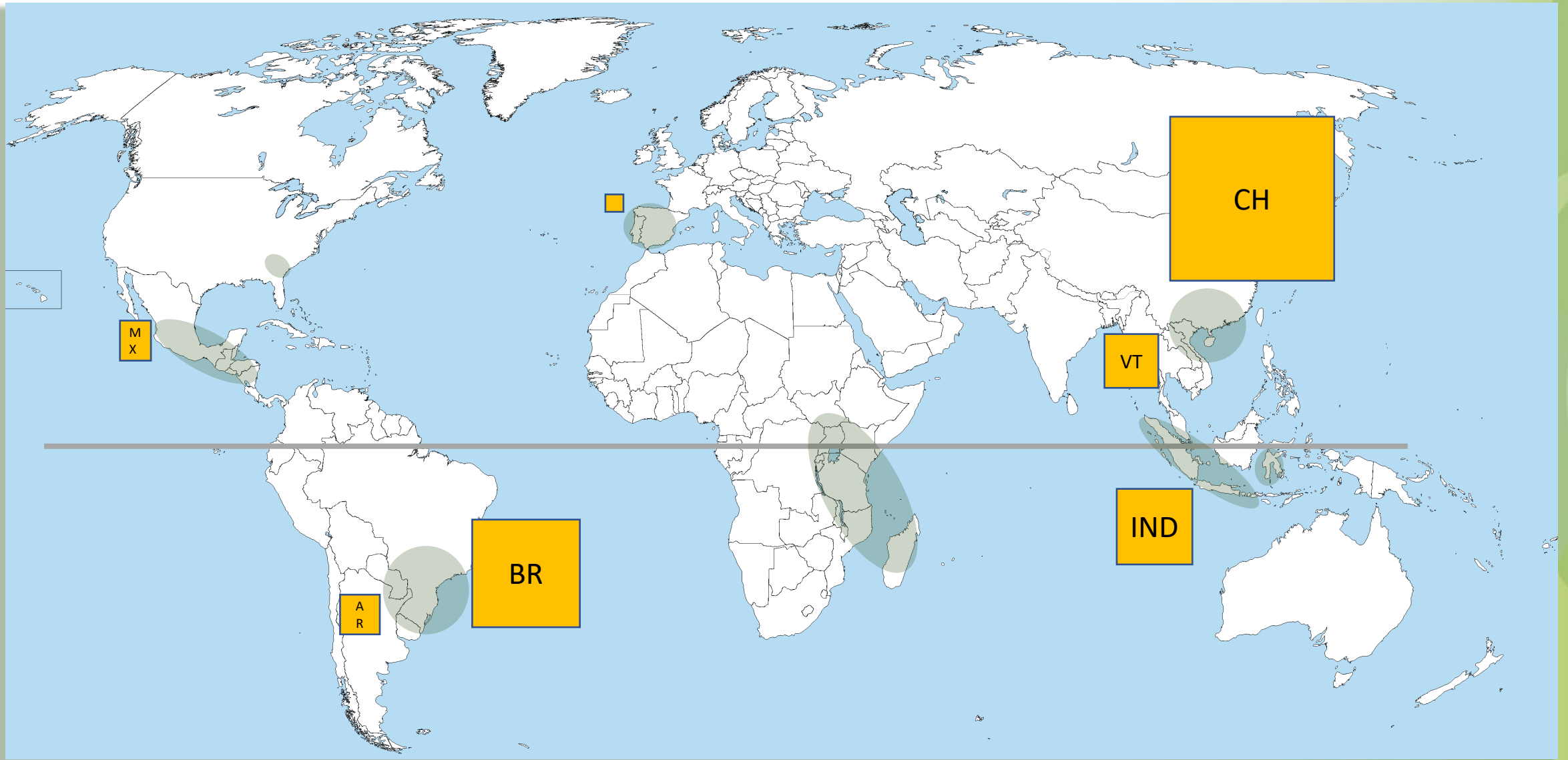
Durante grande parte de século 20 basease nos USA; onde também se desenvolve o seguimento do CTO.

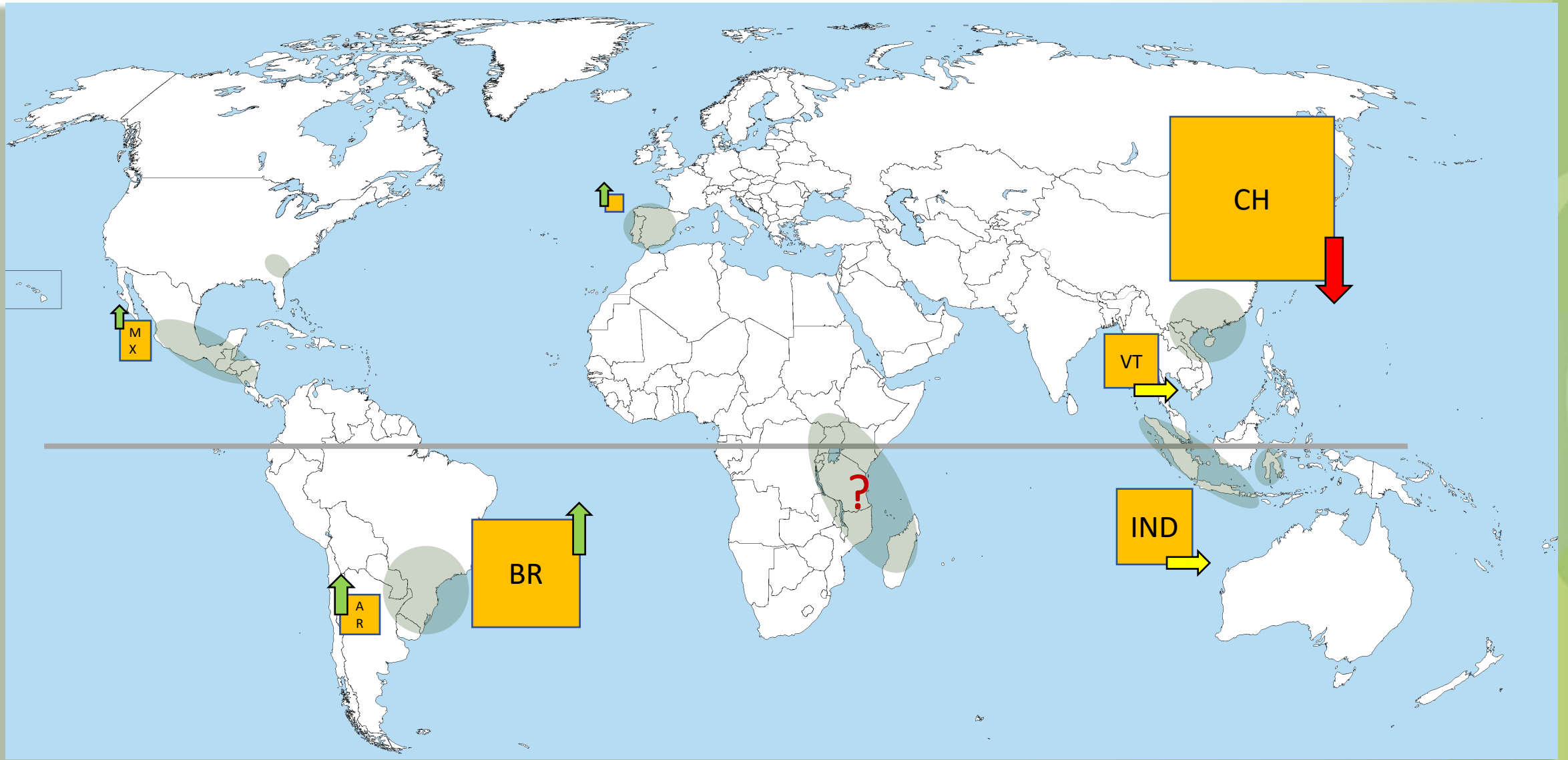






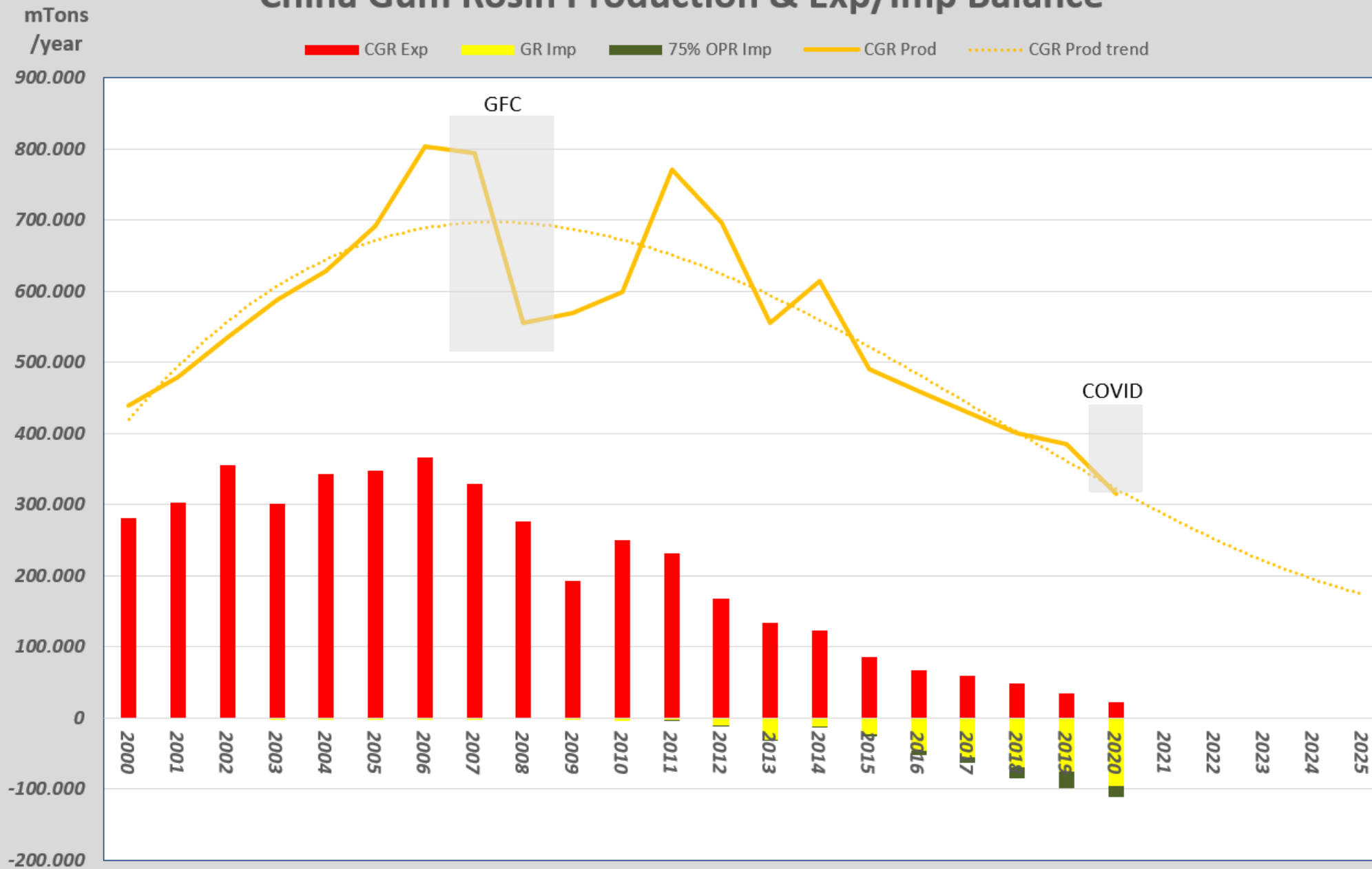




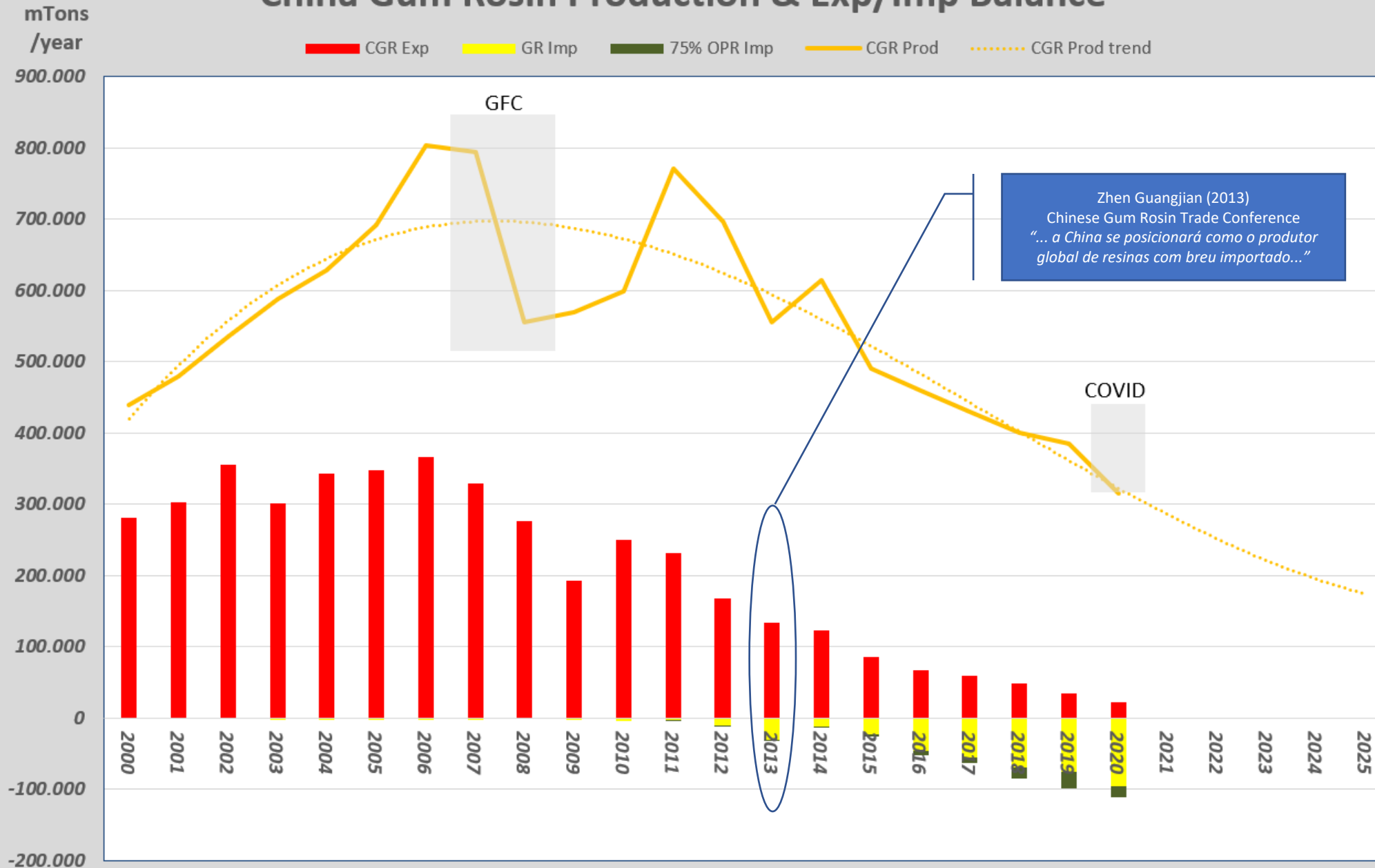




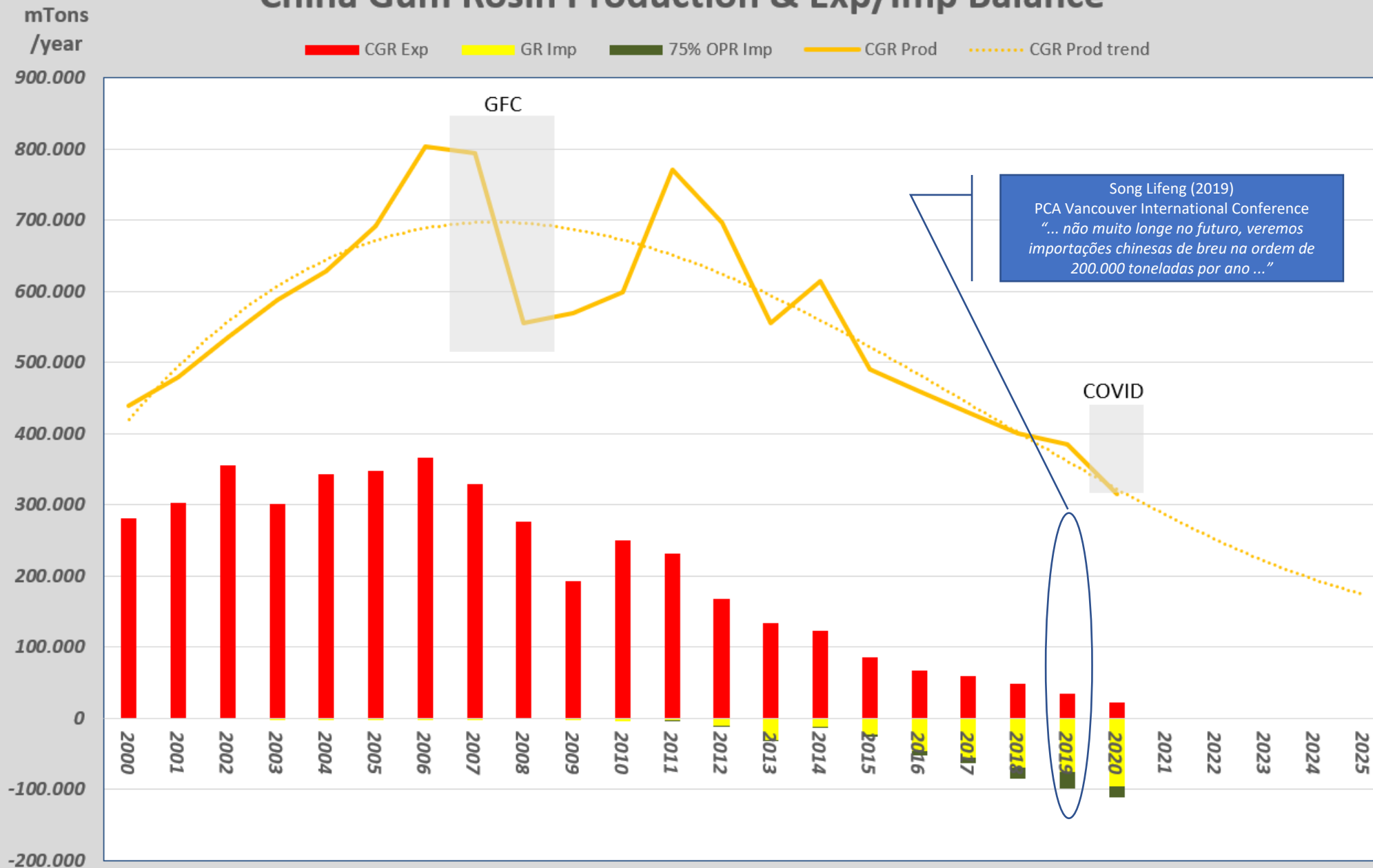
China Gum Rosin Production & Exp/Imp Balance



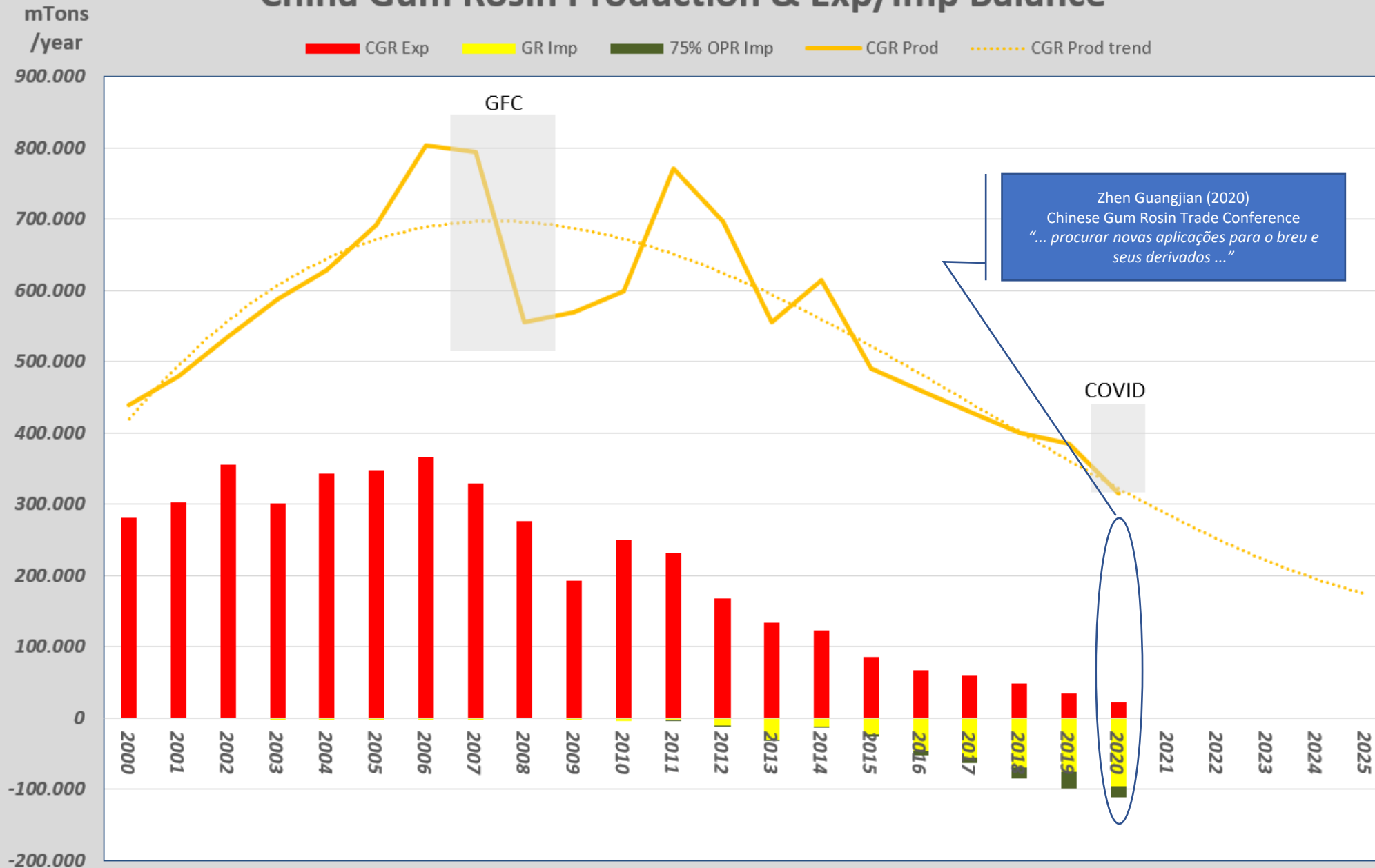
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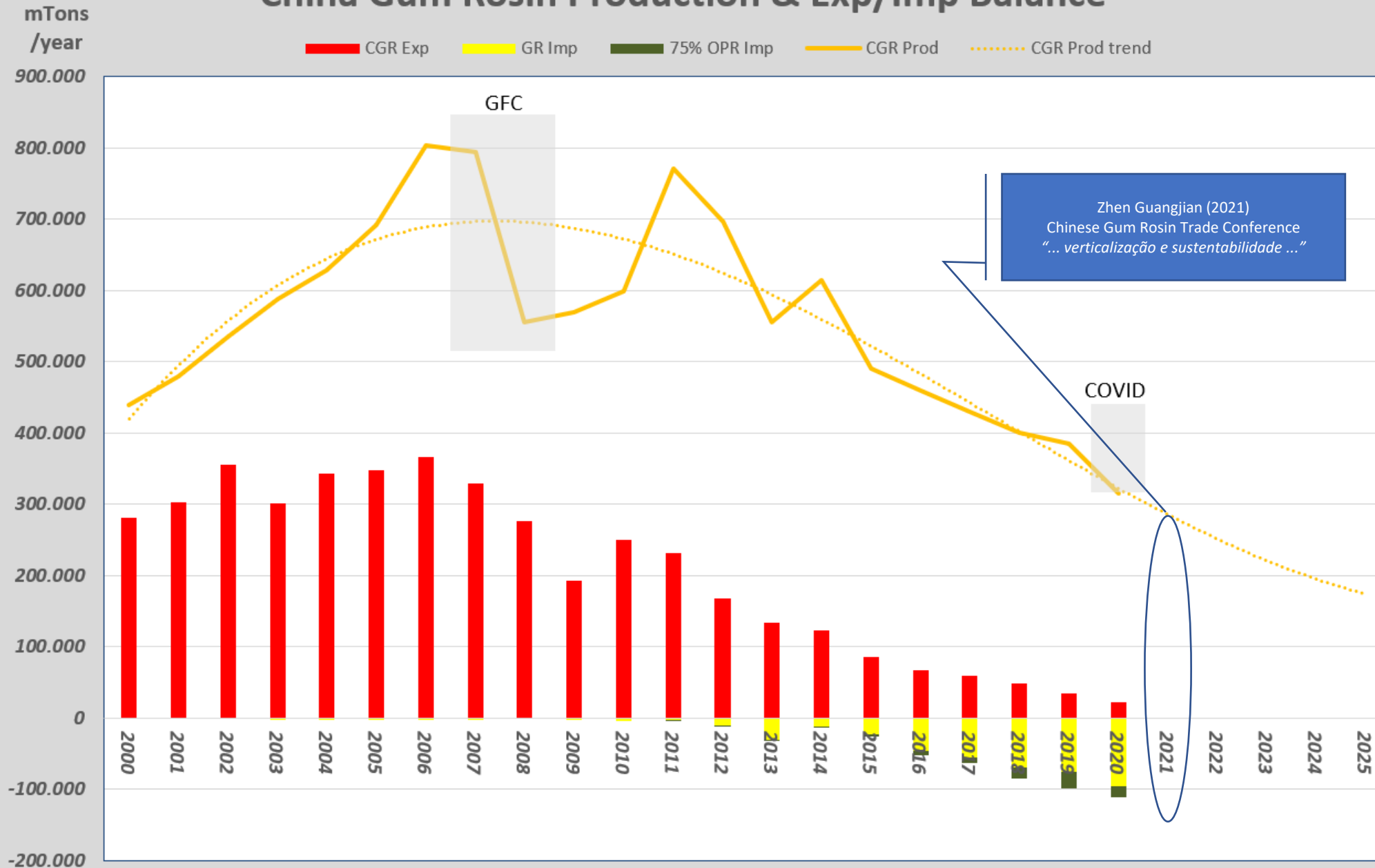
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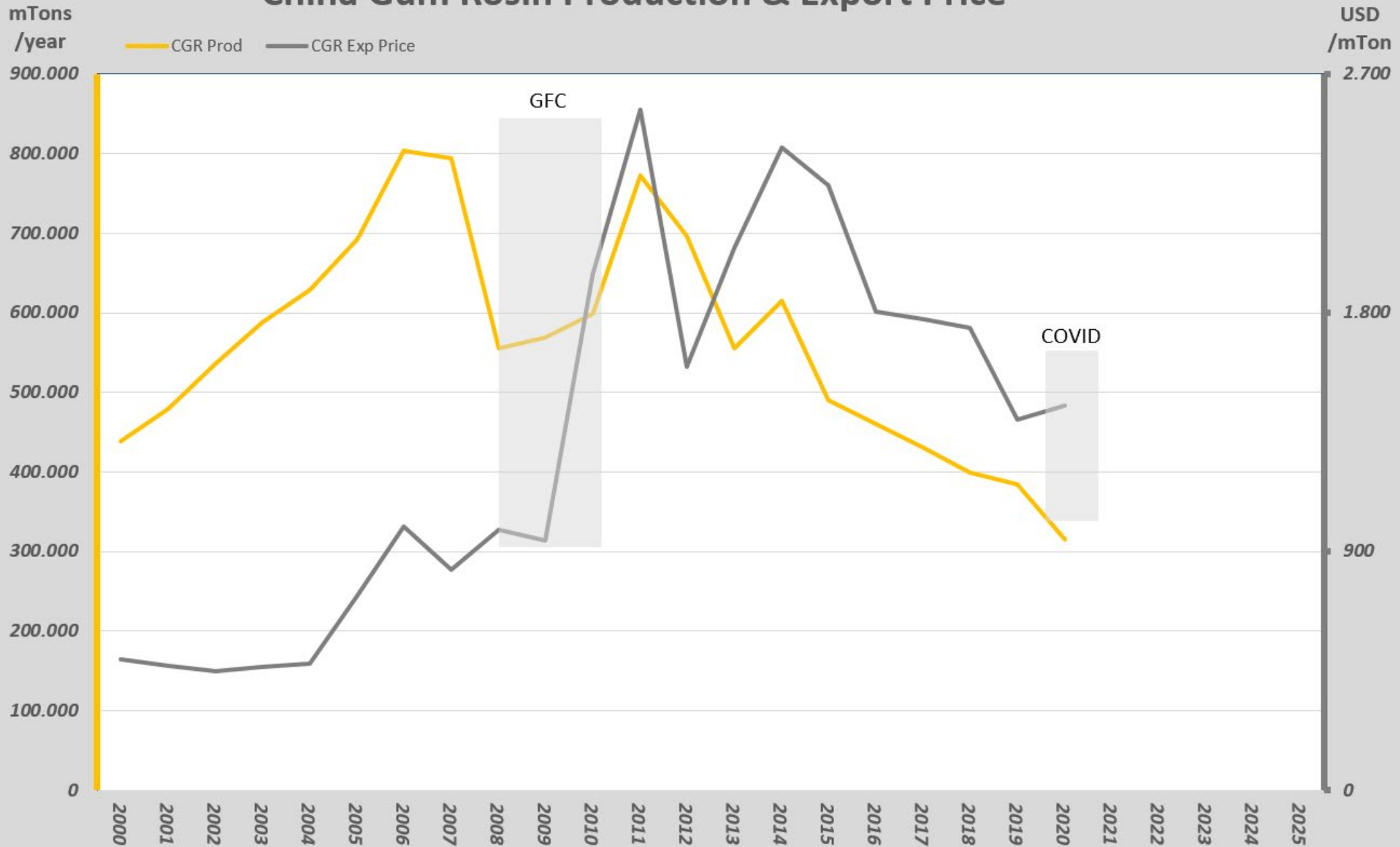
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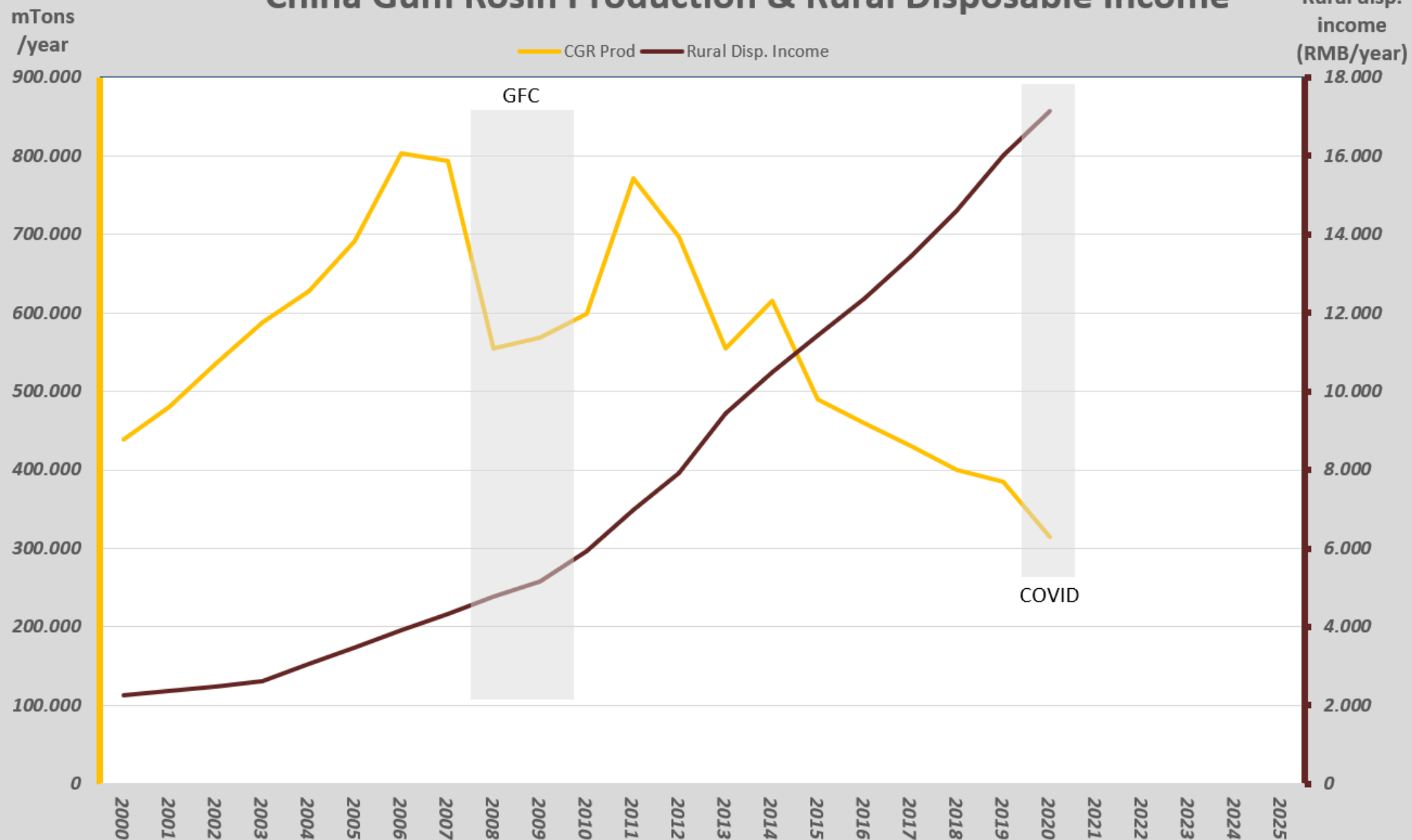
China Gum Rosin Production & Exp/Imp Balance



China Gum Rosin Production & Export Price



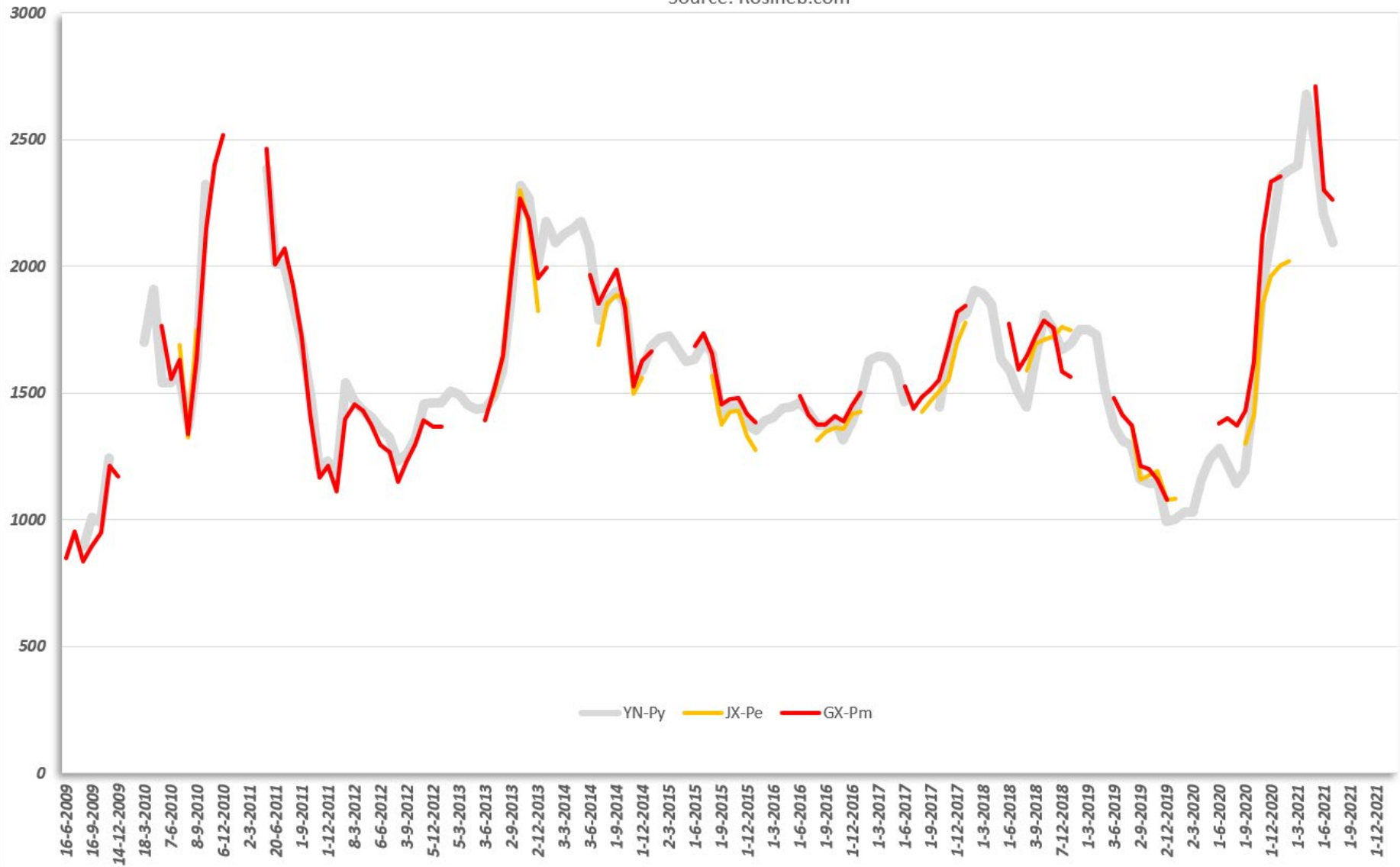
China Gum Rosin Production & Rural Disposable Income



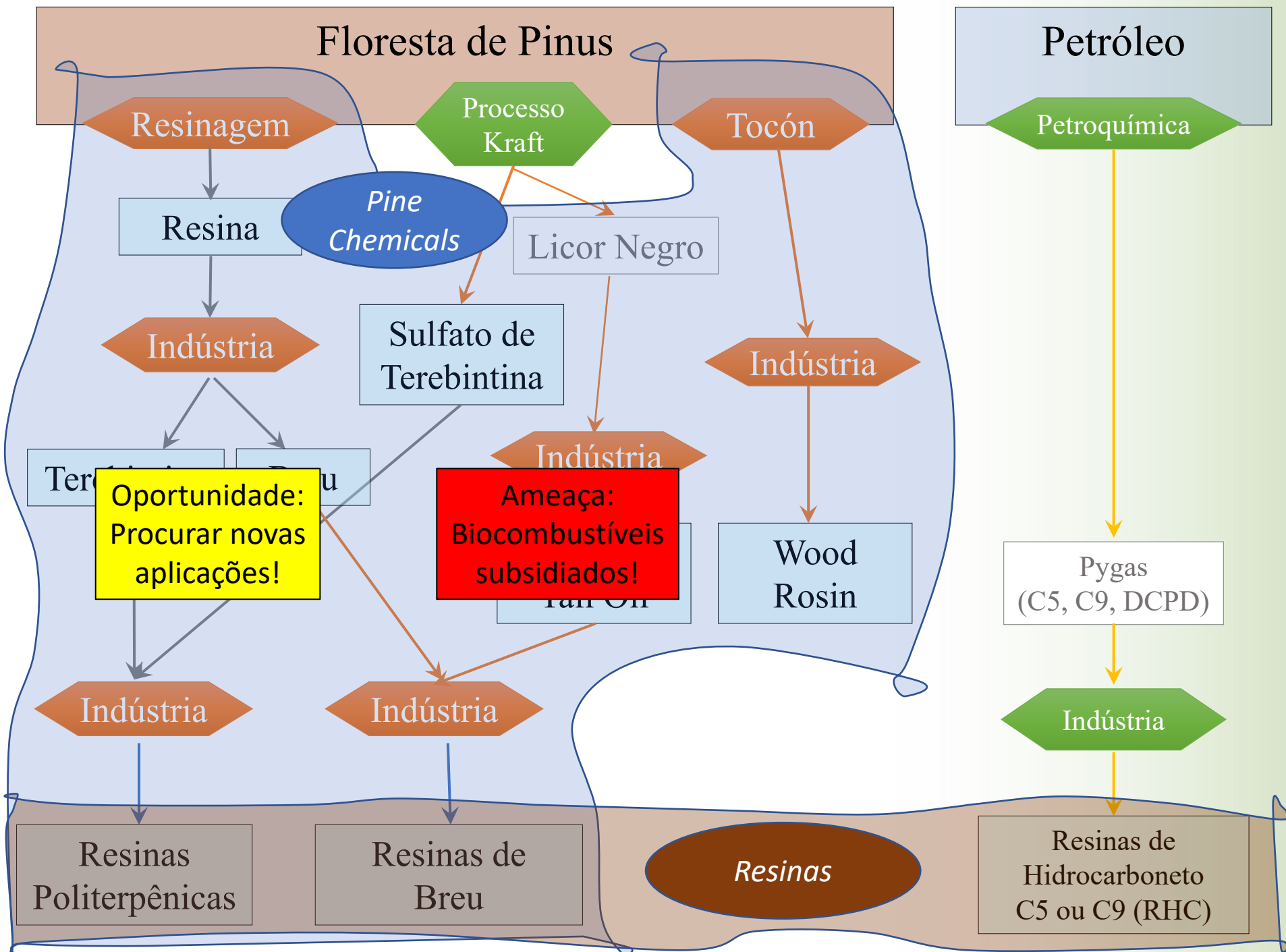
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Chinese Gum Rosin (CGR) monthly local market price [USD/mTon]

Source: Rosineb.com

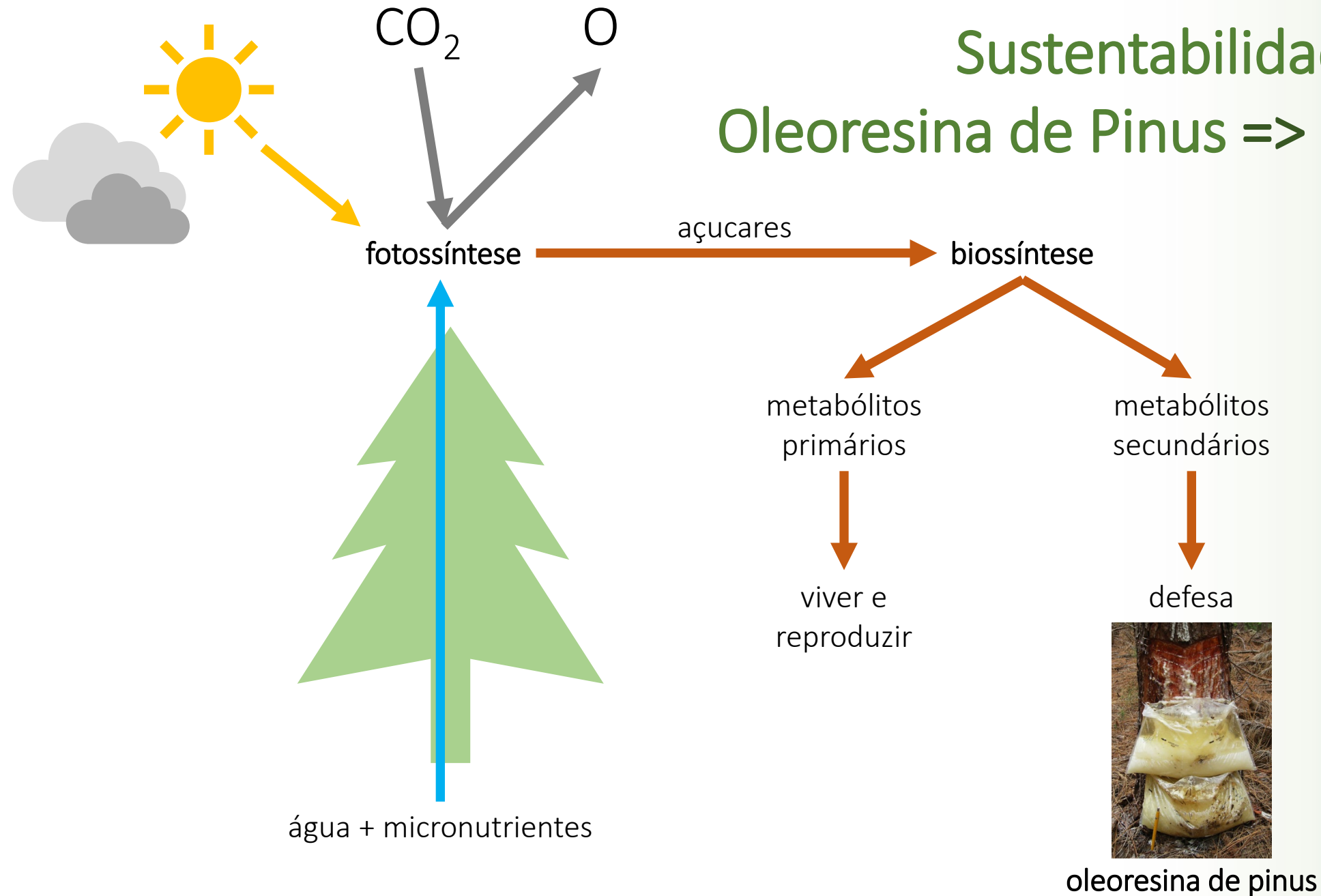


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Sustentabilidade!!

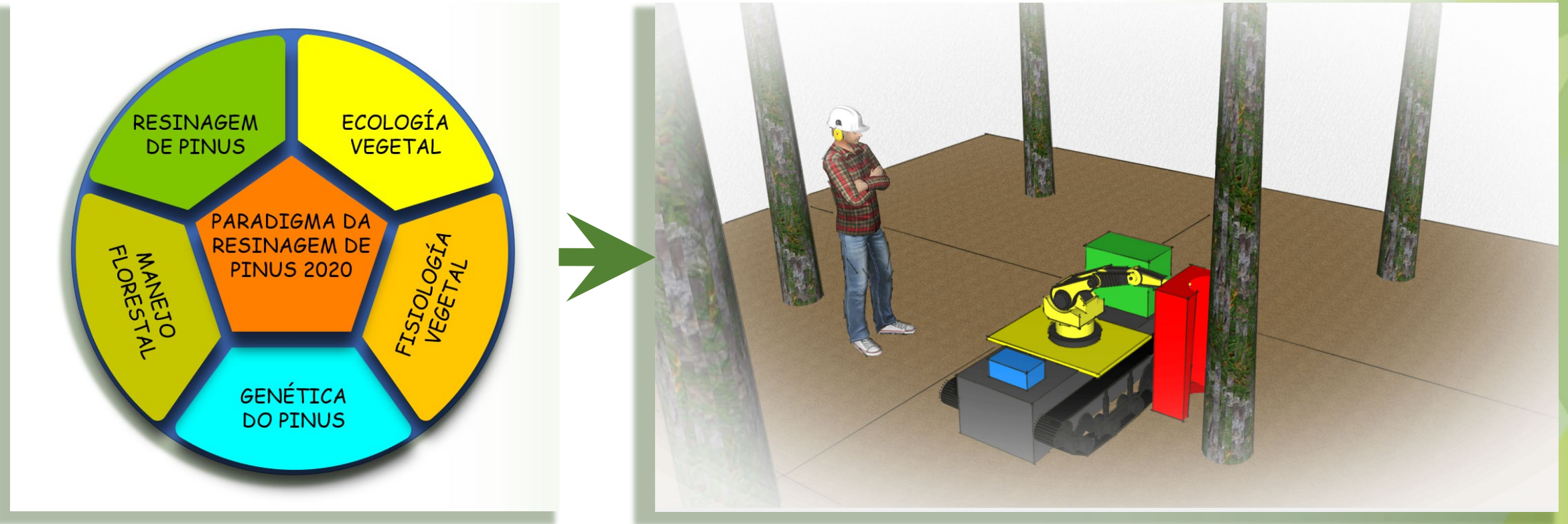
Oleoresina de Pinus => Carvão Verde



Hoje temos um entendimento multidisciplinar da resinagem de pinus...



... que precisa nos levar a mecanização da técnica!



*Resinagem de pinus
uma técnica centenária,
hoje moderna e sustentável!*

Name

Website



Weechat

alex@alexcunningham.com.br



Twitter



Email



WhatsApp +55 15 9 9169-9296

*“O objetivo de fazer um **prognóstico** não é de predizer o futuro, mas de dizer-lhe o que você precisa saber para tomar as ações significativas no presente.”*

PAUL SAFFO

Six Rules for Accurate Effective Forecasting

Harvard Business Review,

July-August 2007, 122-131