

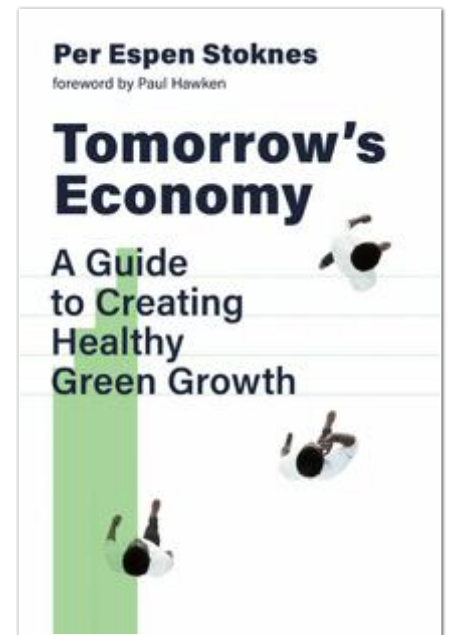
Tomorrow's Economy

Healthy Growth For Indigenous Nations

Per Espen Stoknes

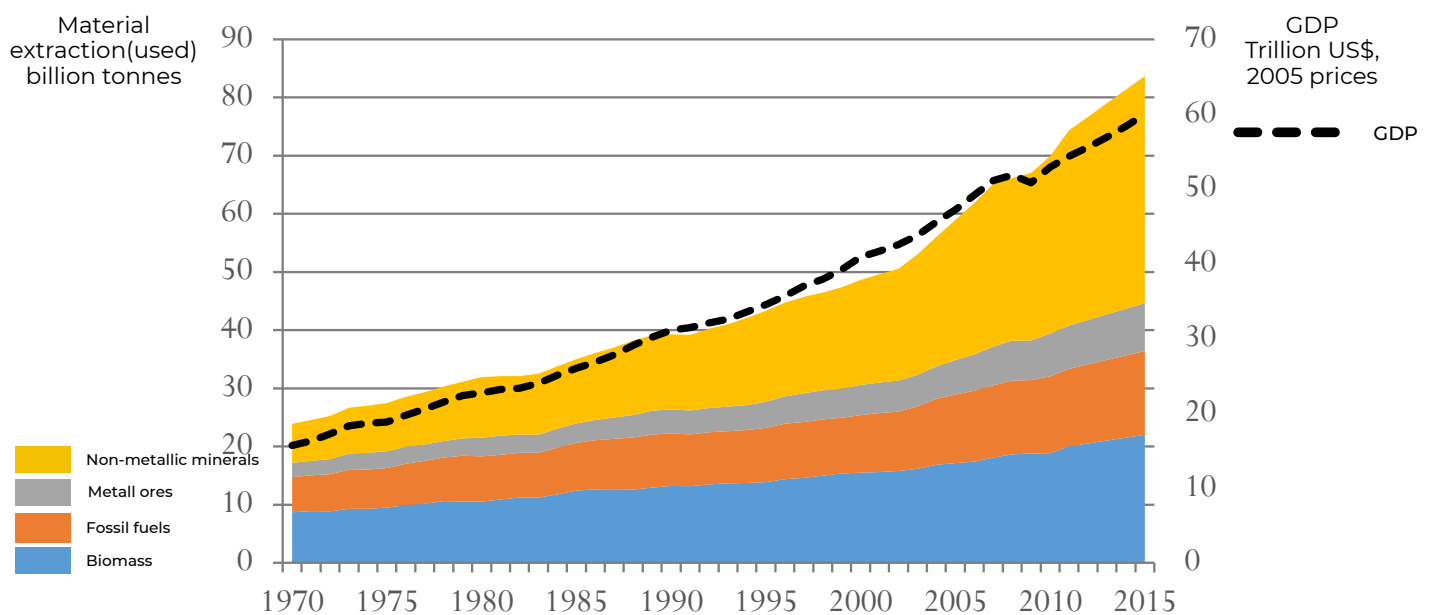
estoknes

www.tomorrows-economy.com

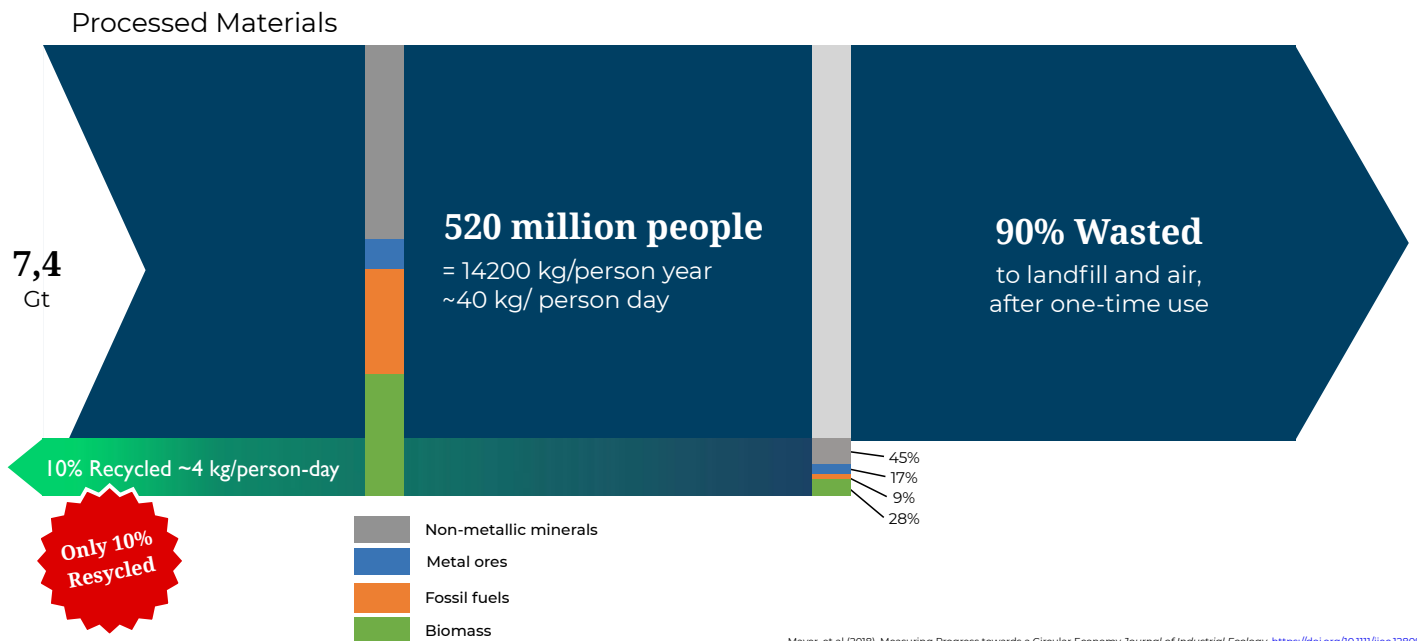


MIT Press, 2021

Grey growth since 1970s



EU Material flows



Mayer, et al (2018). Measuring Progress towards a Circular Economy *Journal of Industrial Ecology*. <https://doi.org/10.1111/jiec.12809>

Food



Big Mac

100g beef, 20g cheese, 100g other

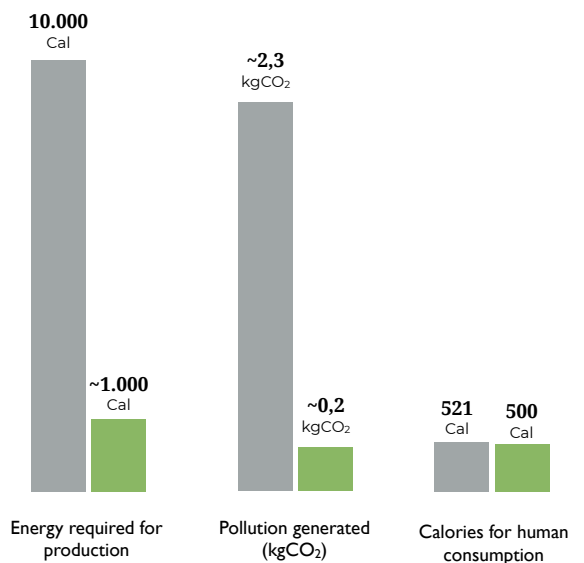
From MacDonalds need approx 10.000 Cal crops to make 1 burger, emitting 2,5kg CO₂



Beyond Burger

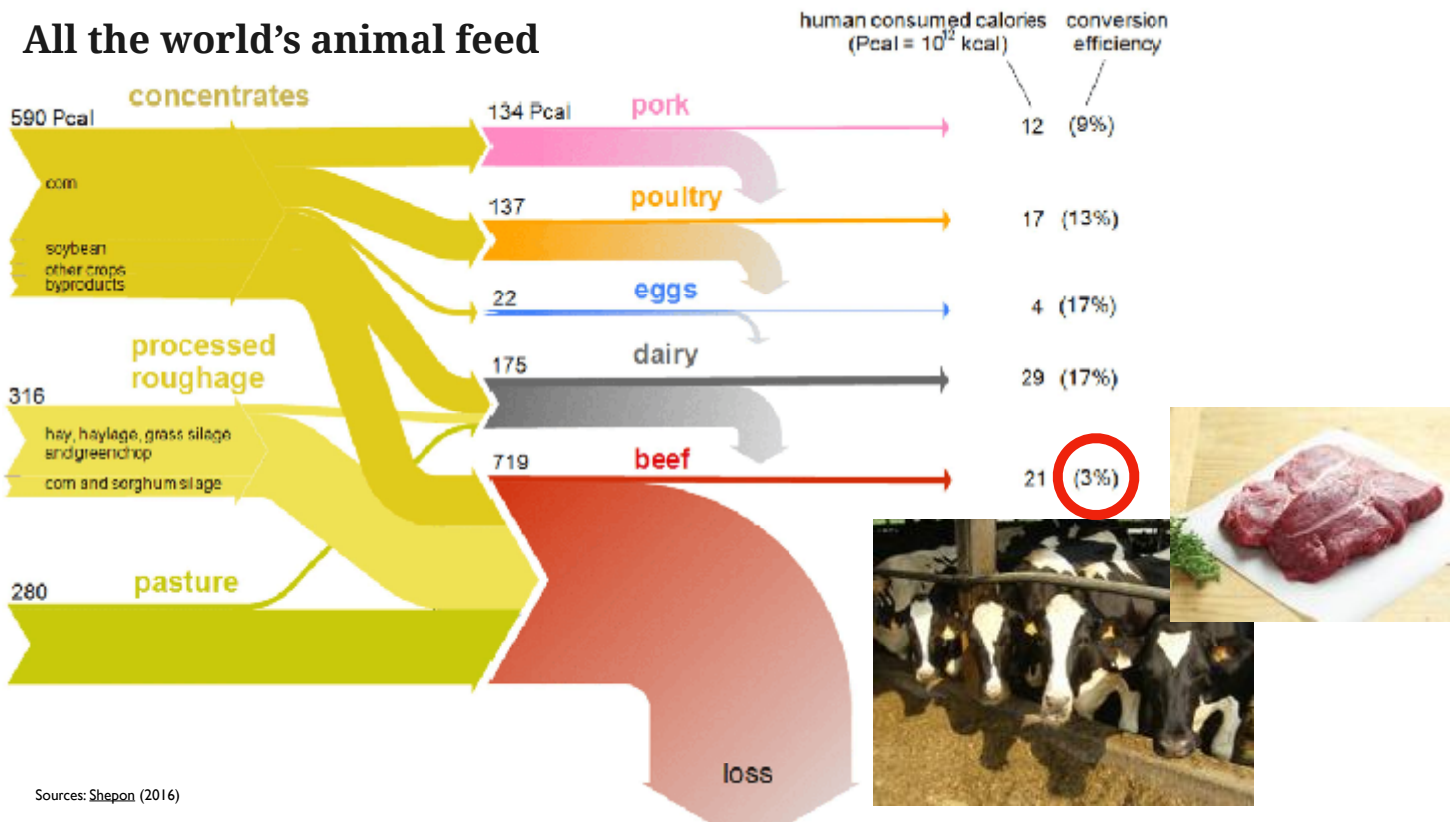
220g plantbased grains, vegs, oils, nuts

From Funky Fresh Foods has 90% less resource use and gives better health



Sources: [Business Insider](#) (2015) [Shepan](#) (2016), [FNMH](#) (2018)

All the world's animal feed



The combined value chains **mobility, food and building** in EU represent:

- 46%** of Employees
- 51%** of GDP
- 63%** of Household expenses
- 80%** of Material use

Resource use in EU within

Mobility, food and buildings

> 90% ton

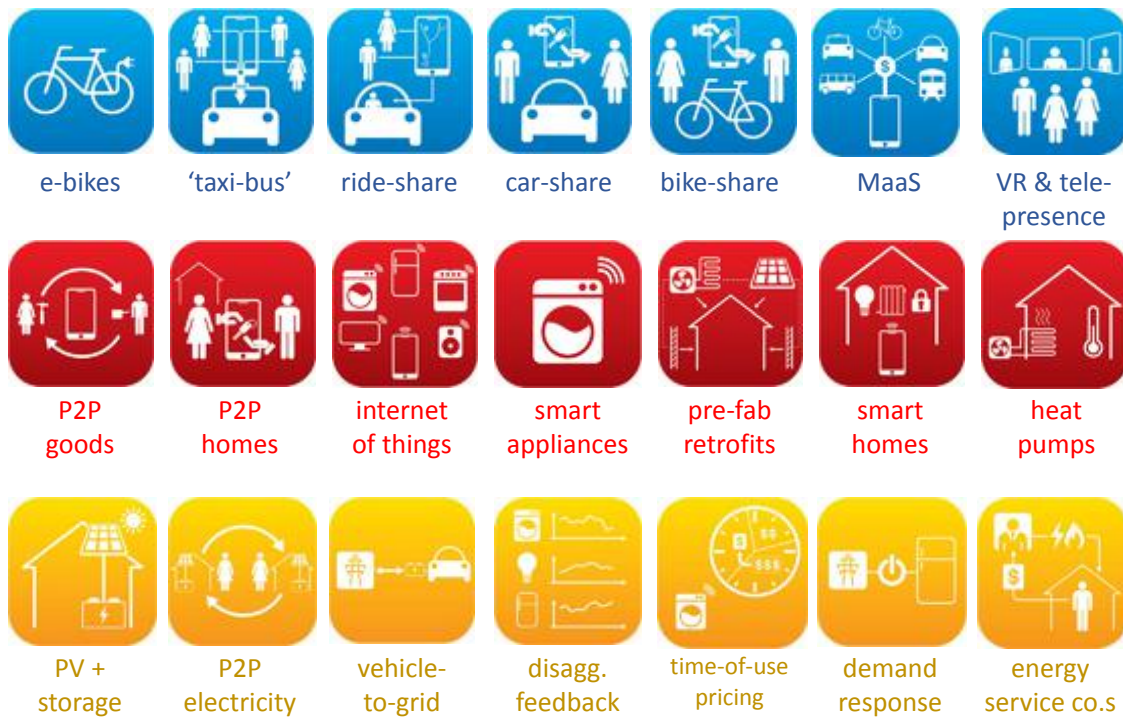
< 10% ton

€ > 90% value after first use of resource

95% of the value lost!

Incredible wastefulness everywhere!

Potentially **disruptive** end-user innovations



Sources: Grubler et al (2018) LED-scenario, Wilson (nov. 2018) at IEA, "Transforming energy demand"

Why a green wave *now*? 7 deep drivers:

1. **Renewables** cost-curves
2. **ESG** is suddenly for real
3. **Material flows** go digital and circular
4. Financial **Climate Risk**
5. **SDG** & Paris agreement is humanity's first common plan
6. "**G3**" goes green, net-zero circular + EU taxonomy
7. **Covid-19** has resurrected the active government

Intolerable inequality



7x

"Palma"

Tolerable inequality / "shared prosperity"

40% poorest

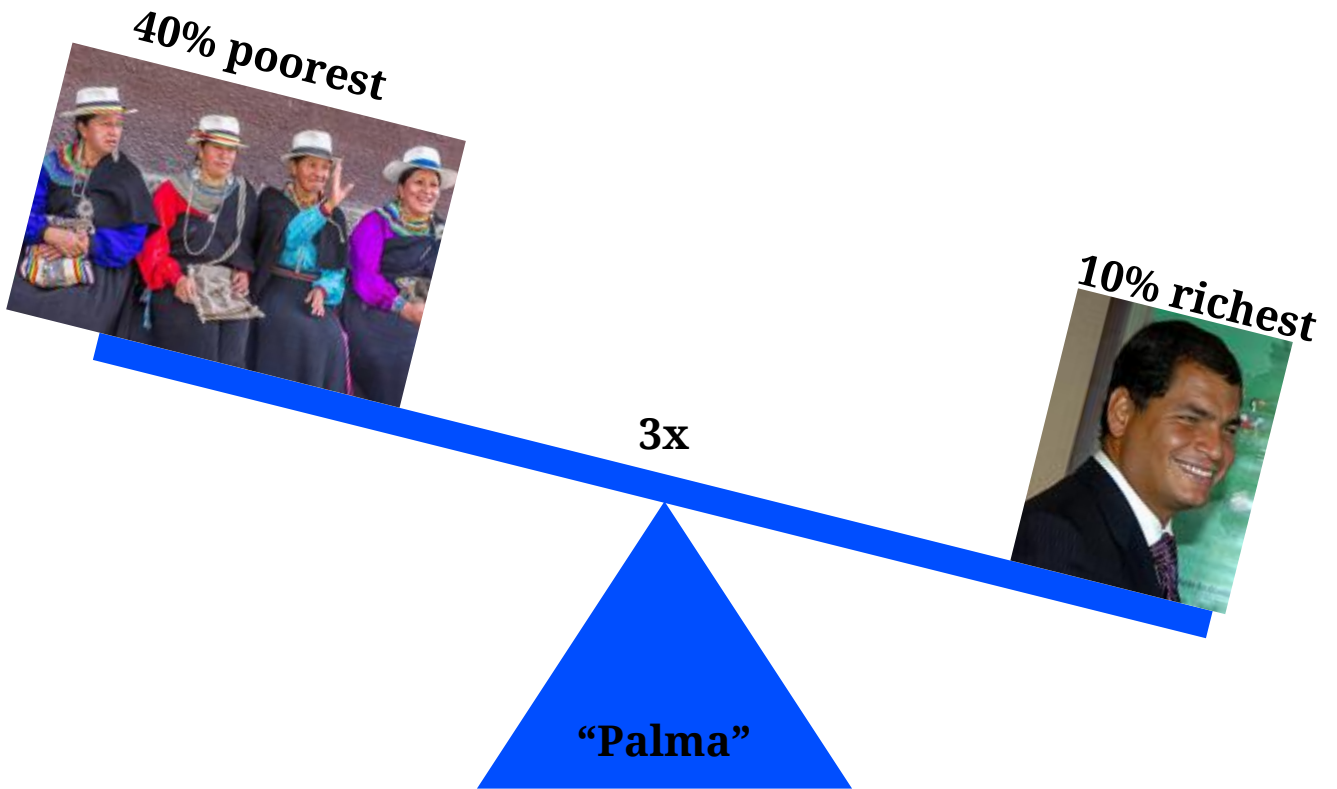


10% richest

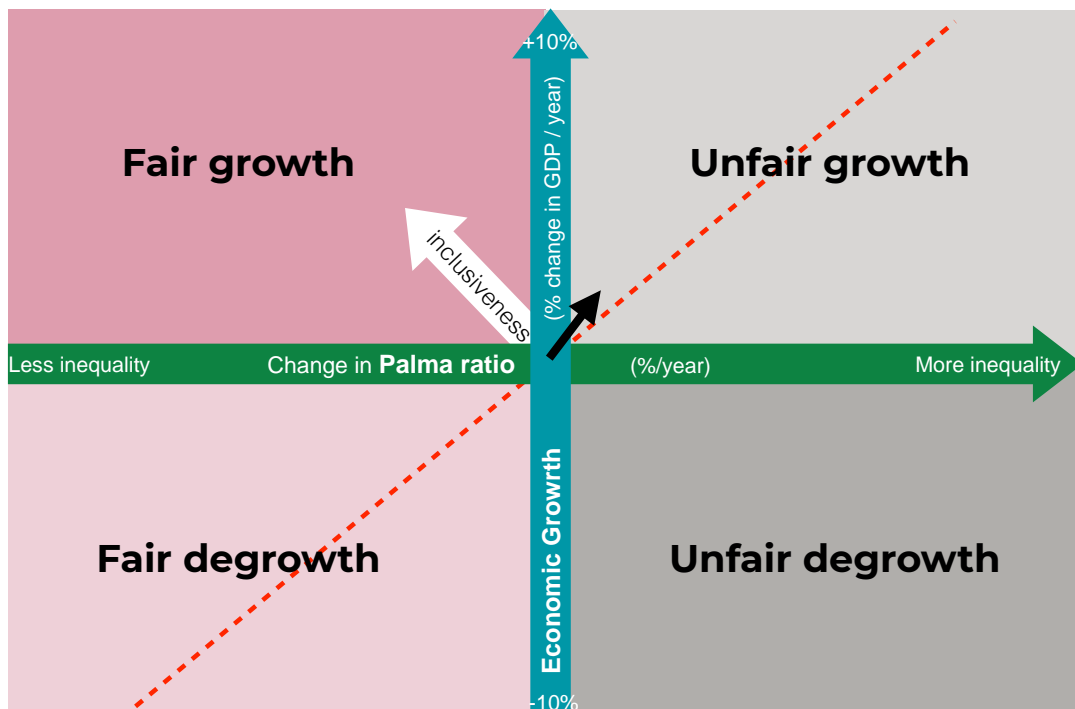


1x

"Palma"



Healthy Growth = Green + Fair growth



A *proposal* for supporting in indigenous nations *and* their forests (800.000 ha of intact rainforest)



Ecuadorian Amazon:







+ Belen Paez, CEO - Fundacion Pachamama (not present at this Zoom call)

Juan Carlos Garcia,
Fundacion Pachamama, & Trek Ecuador, Quito

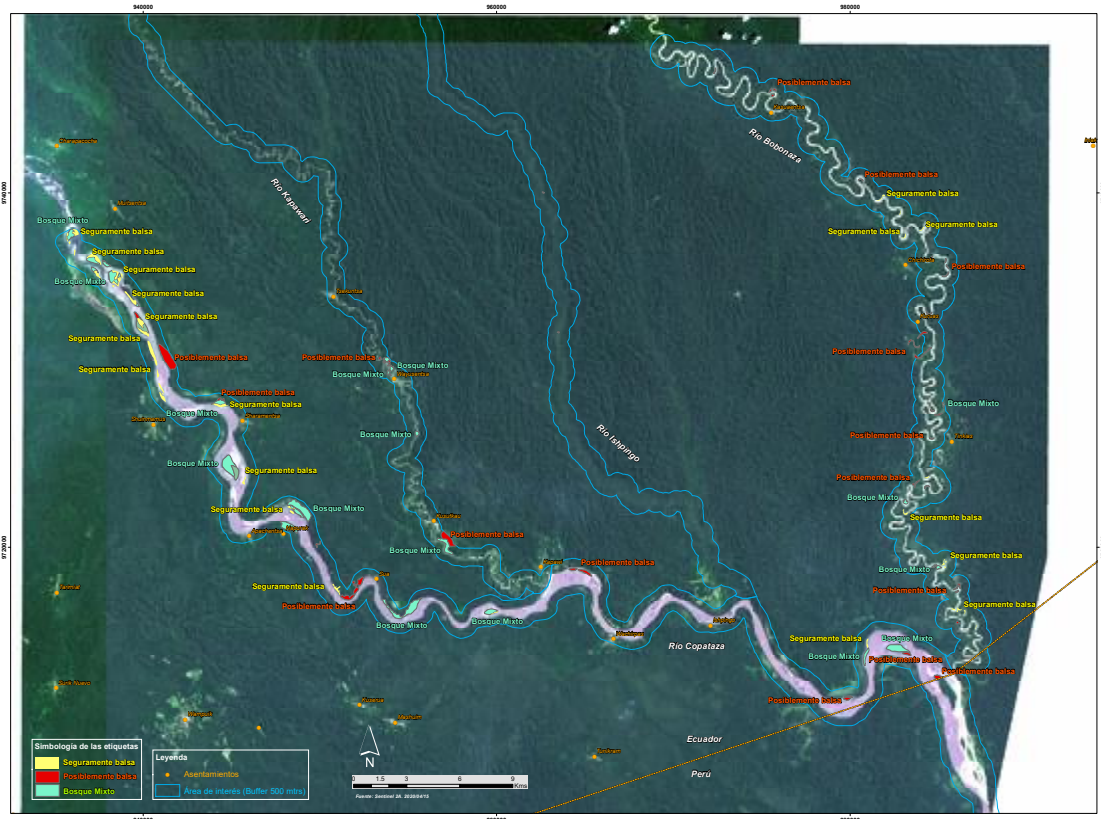


Per Espen Stoknes,
BI Norwegian Business School, Lead funding

Team

Bill Twist,
Founder Pachamama Alliance, San Francisco

Domingo Peas, left,
Leader Sharamensa and in NAE



Overview - the Pastaza fund model

- **What:** Bottom-up legal landrights-based fund to support indigenous nation forest conservation efforts, beyond top-down central governmental forest support, providing basic income for households
- **For whom:** Sharamensa community as a spearhead, part of Nacion Achuar Ecuador (NAE)
- **Where:** Start with the NAE, south-east in Ecuador along Peruvian border, 8000 km², then - if successfull expand to other indig. nations, accross the Amazonian “Sacred Headwaters”
- **Why now:** “Perfect storm” of Covid, high balsa-wood demand and money-ification threats to Achuar community life (need \$ to health care, transport, schools, food security)
- **How:** Set up a new type of generation fund, where we reconfigure capitalism to work for the forest, more than destroying it; encouraging sustainable agroforestry skills, ie. a “balsa master plan”.
- **When:** Local involvement and acceptance (with NAE, Sharamensa) been built since Feb2020. Project has started with Sharamensa, first payment distributed. Fund to be established 1.jan. 2022.
- **Who?** Fundacion Pachamama is Ecuadorian main partner, supported by Pachamama Alliance, USA, WWF, CI, Per Espen Stoknes @ Norwegian Business School
- **How much?** It’s scalable. Annual payments of 50-300 kUSD, backed by an 30-year investment fund with principal capital of 1-10 mUSD