



Green Gold Label

International certification scheme for sustainable biomass

Introducing GGL to the Sustainable Action Conference
Malaysia / The Netherlands, 19 February 2025

Agenda

- Our GGL foundation
 - The GGL scheme: how it works
 - Japanese FIT/FIP: key characteristics
 - GGLedger
 - What's next?

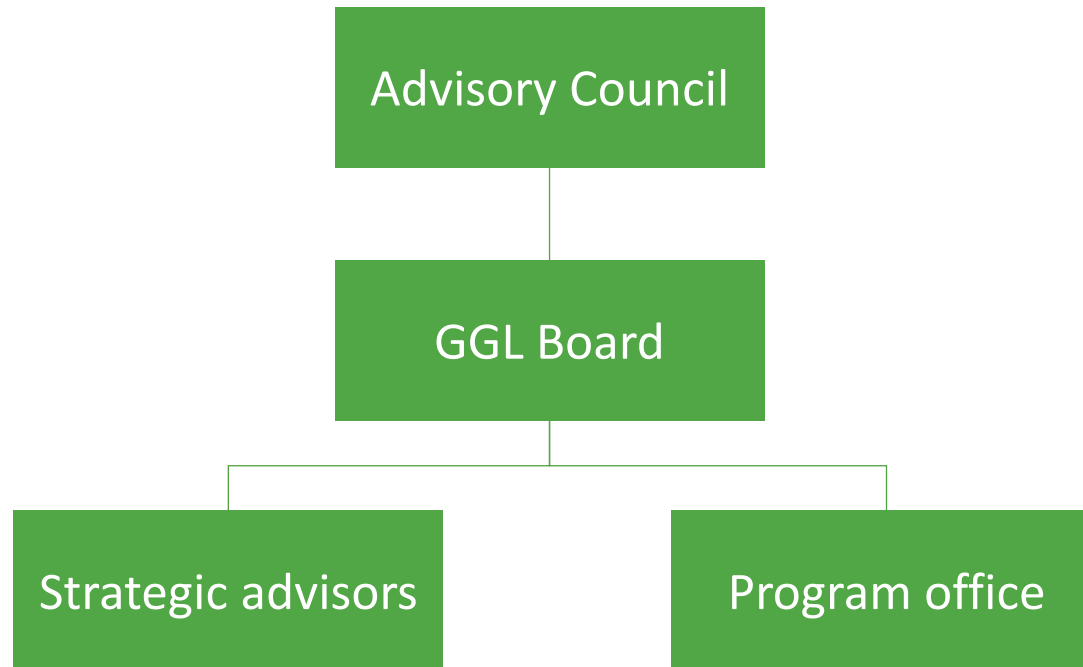
About us: Green Gold Label

- Established in 2002 – one of the oldest, most well-established certification schemes for sustainable biomass
- Setup by the Green Gold Label foundation (“stichting”)
- Not a regulator - translating national requirements in GGL scheme
- Not for profit - not in competition with other schemes (endorsements)
- Very strict principles and requirements – yet practical and efficient
- Trusted scheme with only ISO-17065 accredited Certification bodies

Our mission

- To deploy GGL's unique **track record, experience** and **reputation**
- To be the number #1 **practical** and **credible** certification scheme for sustainable biomass worldwide in the energy and biobased sectors,
- In the most **cost-efficient** manner.

The Green Gold Label foundation

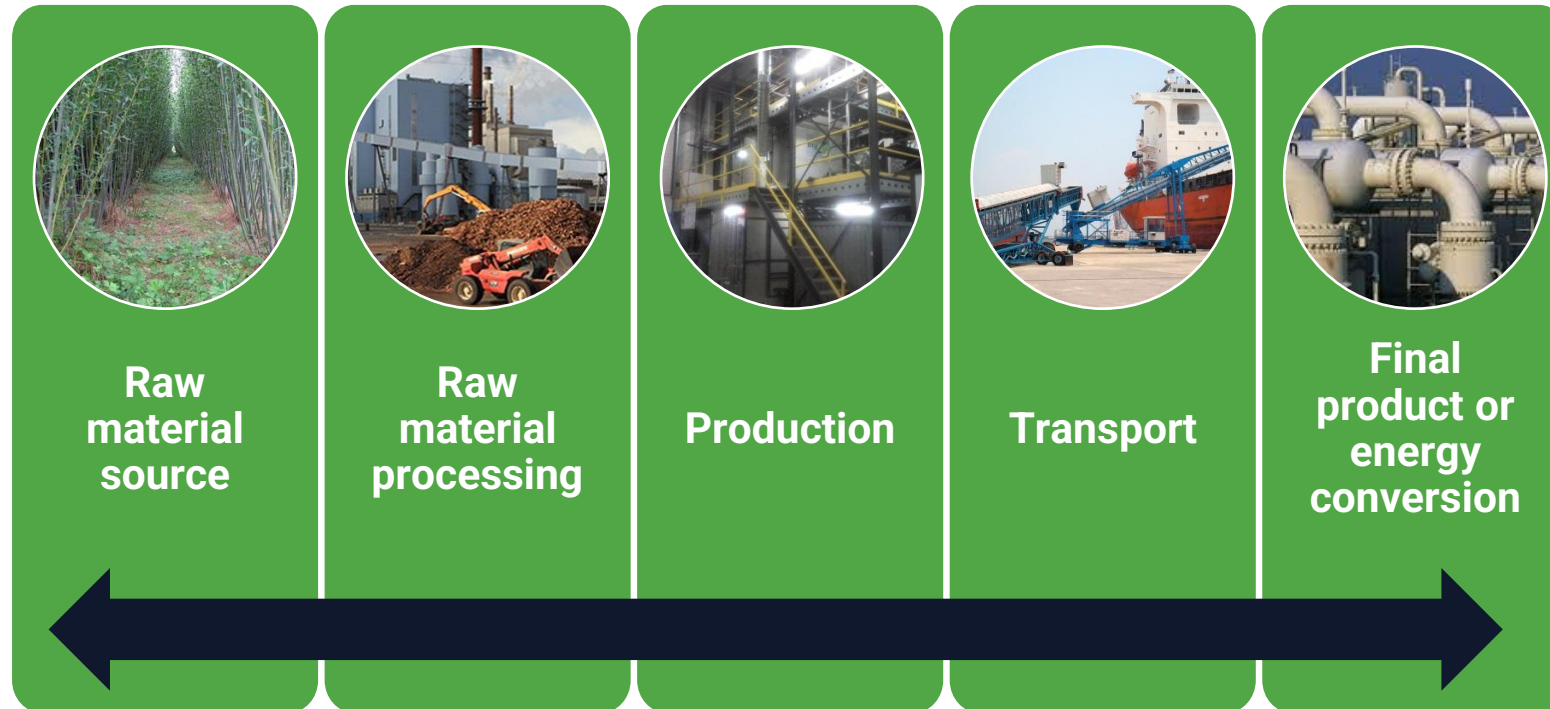


- Small hands-on Board with experienced & independent governance from Advisory Council
- Program office in Rotterdam / The Netherlands
- Strategic advisors representing commercial stakeholders
- Non-profit, no overhead, not reinvent the wheel but partner

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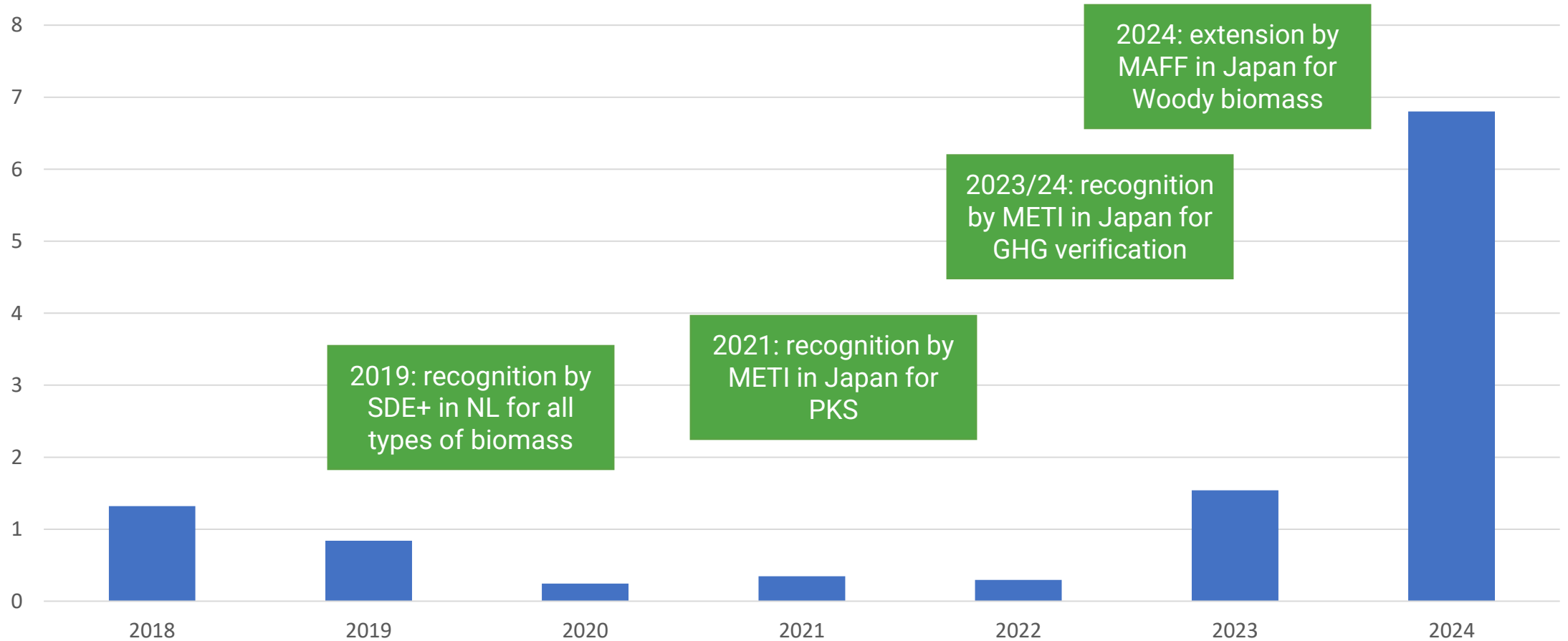
GGL Chain of Custody covers total Supply Chain



- Specific arrangement for Biogenic Residues (PKS): supplier verification by First collector
- Verified GHG Emissions across entire supply chain (universal GHG Tool in development)
- Chain-of-custody for Mass balance and Traceability

GGL growth driven by new national recognitions

mT of GGL biomass p.a.



GGL CB's and Participants trade per Scope: combination of Regulation and Types of biomass

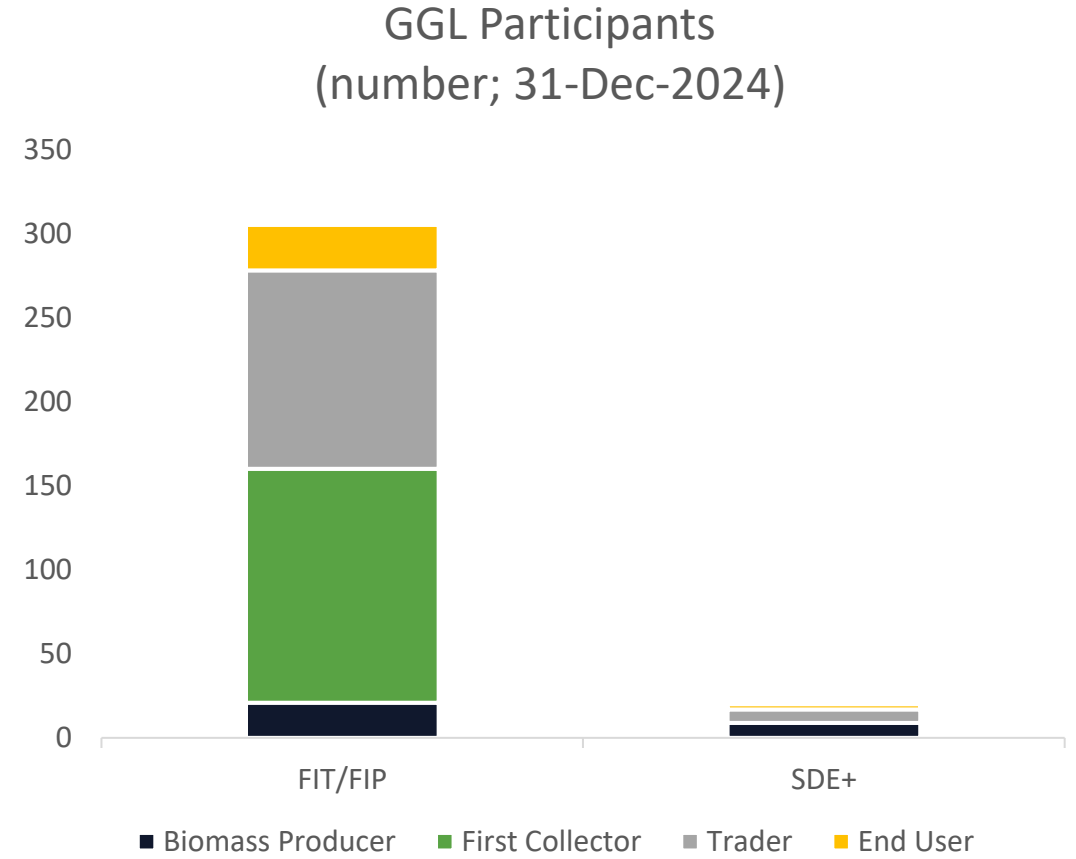
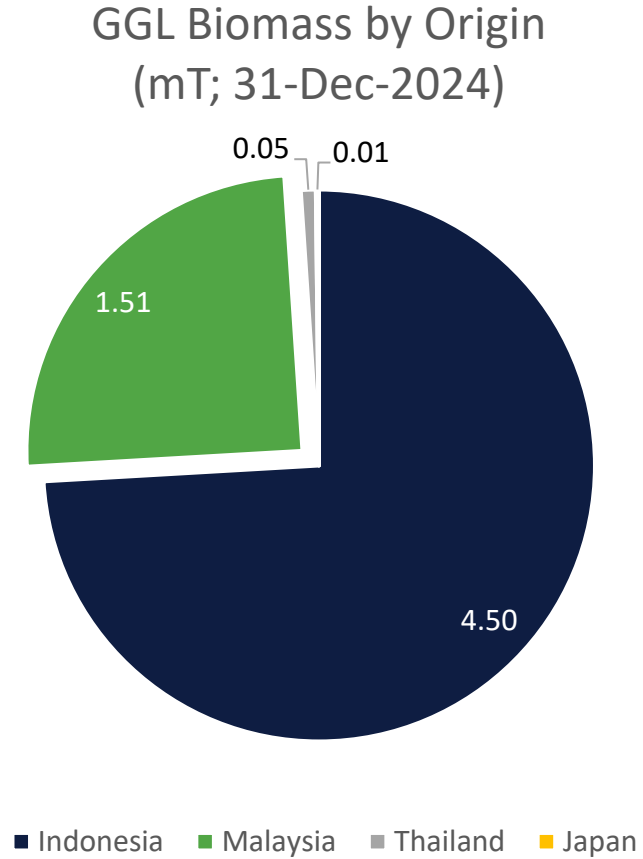
Market	Regulation	Types of biomass
Japan	FIT / FIP	- PKS, EFB, OPT and 11 specific Eligible fuels - Woody biomass
Netherlands	SDE ++	- Woody biomass - Specific types of Agricultural biomass - Biogenic residues
EU	RED II (expected Q2 2025)	- Woody biomass - Specific types of Agricultural biomass - Biogenic residues

- National governments set rules; GGL listens, interprets and translates into scheme
- Only limited number of global, high-quality CB's can work across multiple scopes

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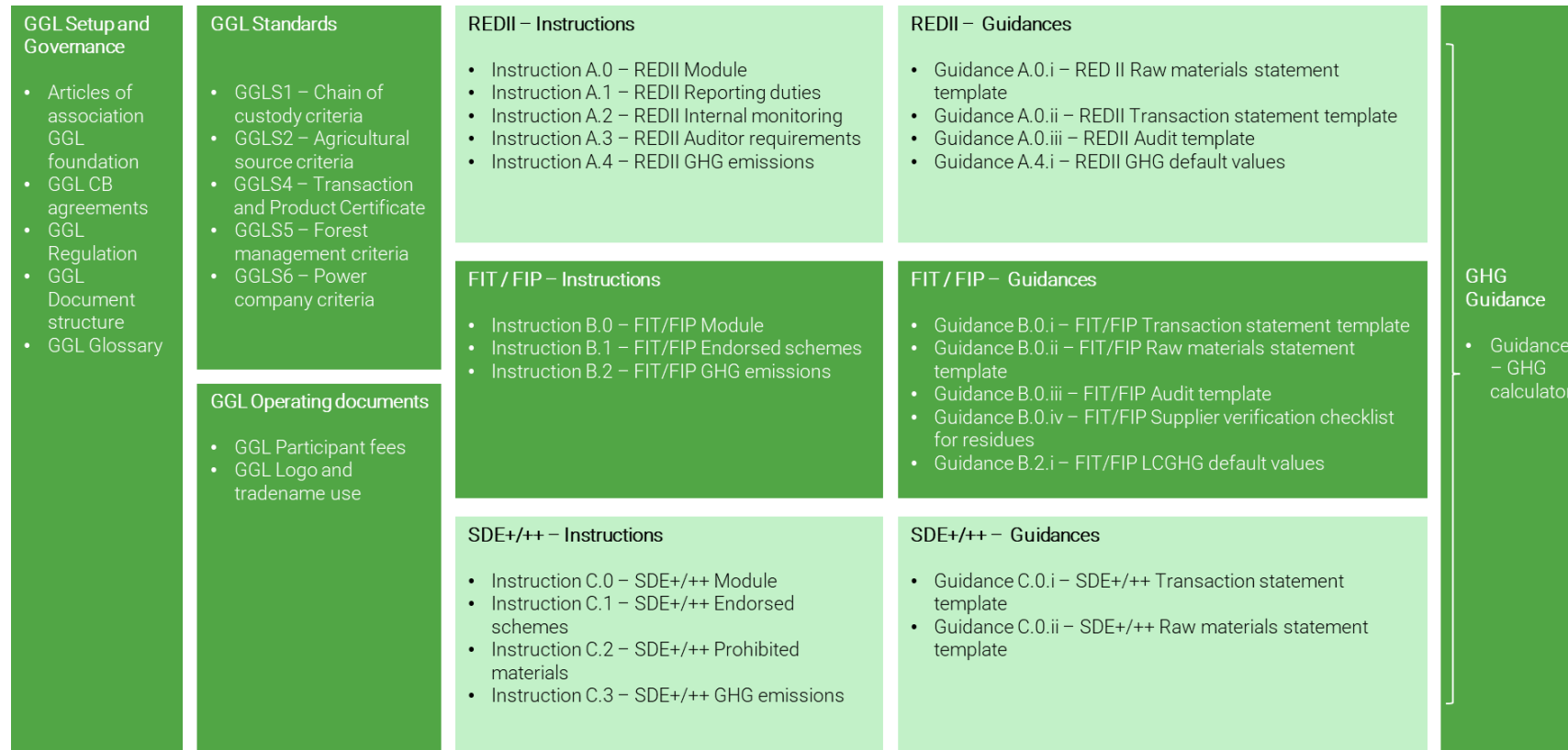
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Asia key market for GGL; Europe next, then ...



GGL scheme always undergoing improvements

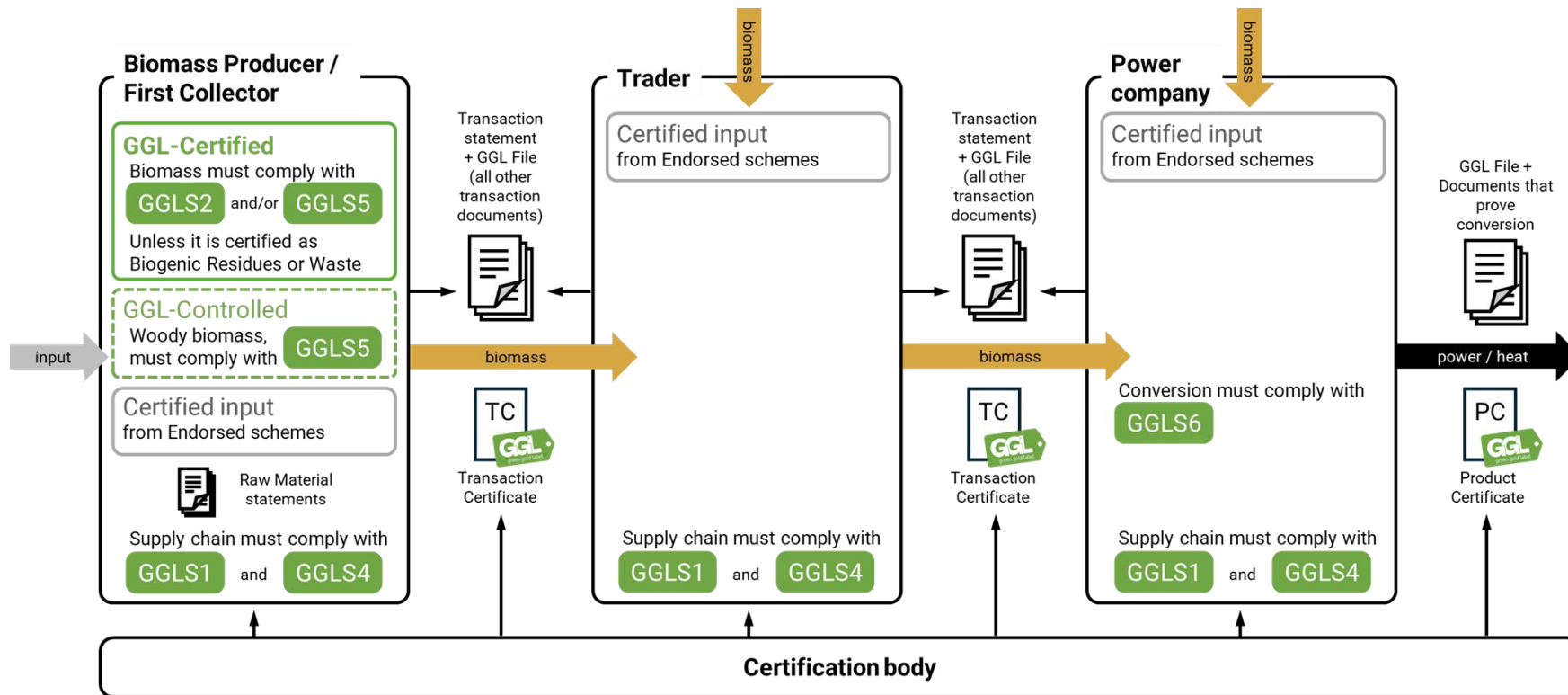
FUTURE STATE



- Regular updates and improvements: next version FIT/FIP (same rules, new stronger structure)
- Modular scheme: ready for expansions to new developing markets

GGL supply chain integrates fully with other recognized certification schemes

FUTURE STATE

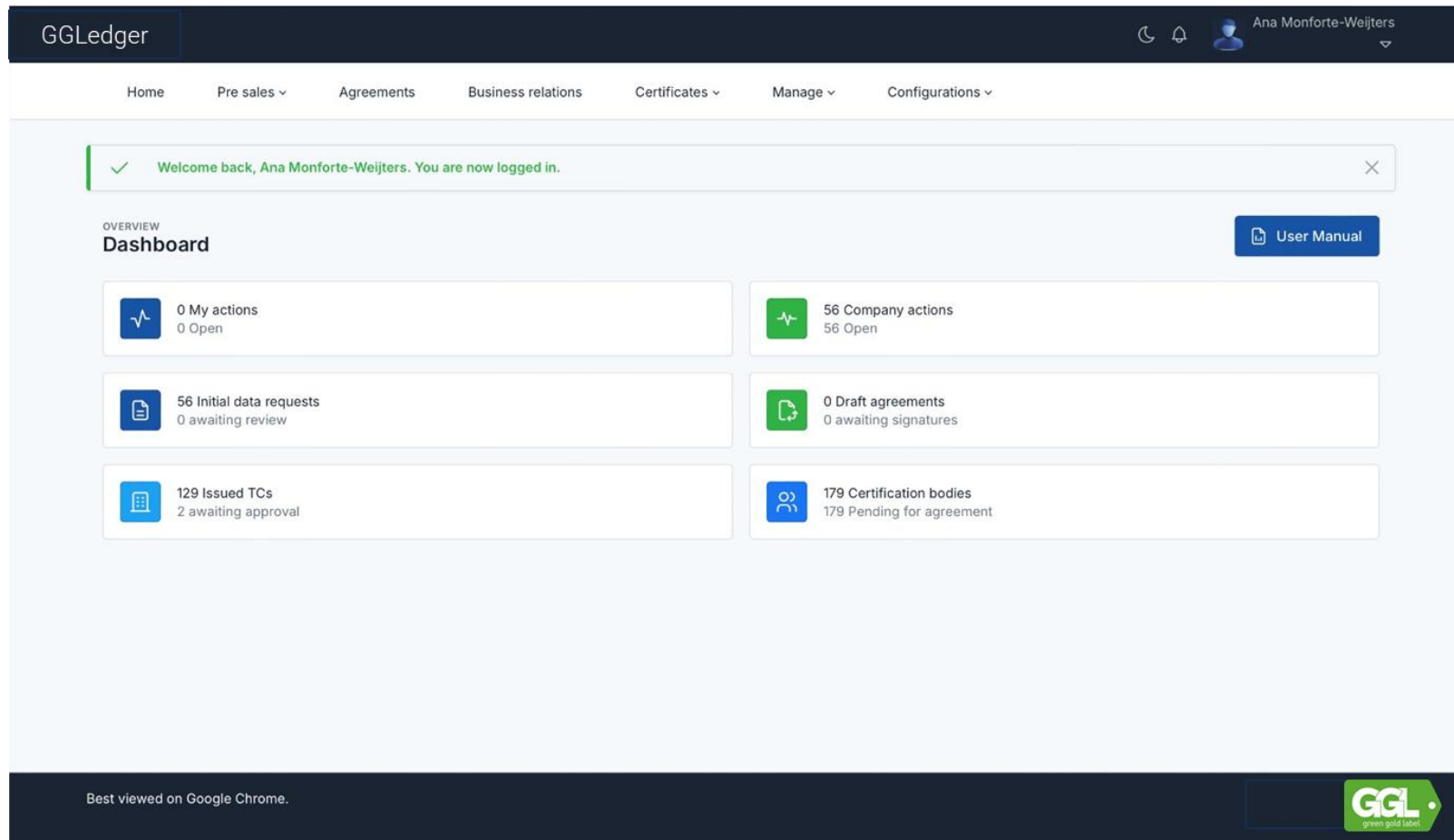


- Participants and Transactions in biomass are certified
- GGL not in competition with nor superior to endorsed schemes
- Endorsement of other schemes as approved for FIT/FIP by Japanese government (MSPO)

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GGLedger with industry-leading partner



- State-of-the art platform with blockchain-based traceability
- Launched 1-Jan-2025
- Presented in more detail in next presentation by



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Interested? 5 steps to get certified

1. Submit application to a GGL-accredited certification body (CB) for specific scope(s)
2. After review by CB, sign certification agreement – including terms of use for GGLedger
3. Implement requirements as candidate GGL Participant.
4. Plan and execute your audit by CB.
5. When no non-conformities: you are certified GGL Participant. When non-conformities, go back to step 3.

What is next for GGL

- Japan FIT/FIT updates (scheme structure)
- REDII/III approval for EU (expected Q1 2025)
- EUDR integration
- Expansion to new energy markets for biomass (Korea, Malaysia?)



Terima kasih banyak-banyak!



For more information
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