



From STANDARDISATION to COMMUNICATION

The role of a certification body



TÜV AUSTRIA Belgium, member of TÜV AUSTRIA Group



Testing.
Inspection.
Certification.

TÜV AUSTRIA is a leading, impartial and independent service provider for integrated management of **safety, quality, environment** and **resources** with international orientation.

Non for profit

- No external shareholders
- No external funding within the company
- No financial dividends

+ 340 Mio €

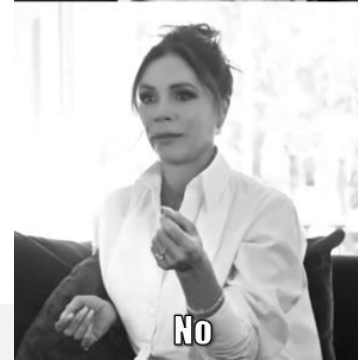
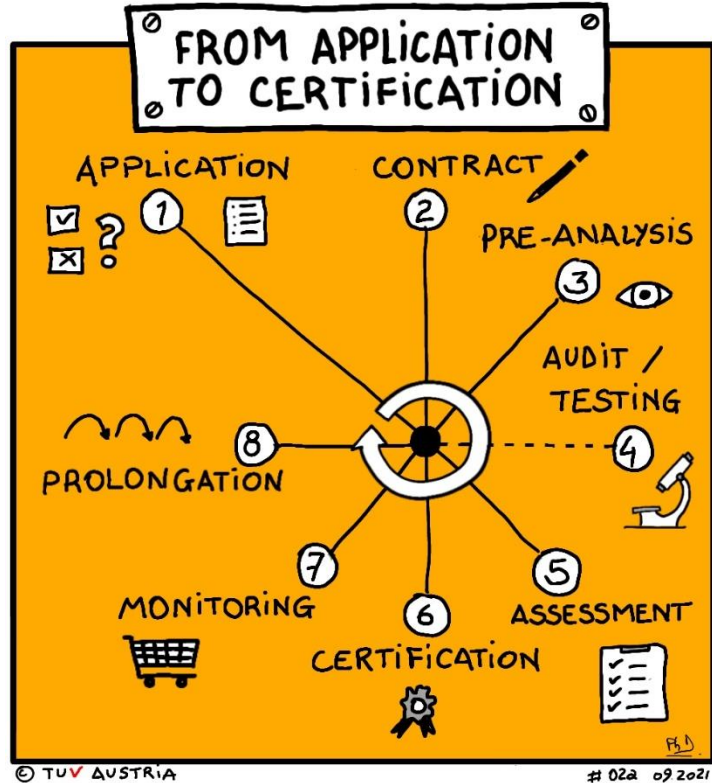
+ 3.400 employees

+ 30 countries

biobased %



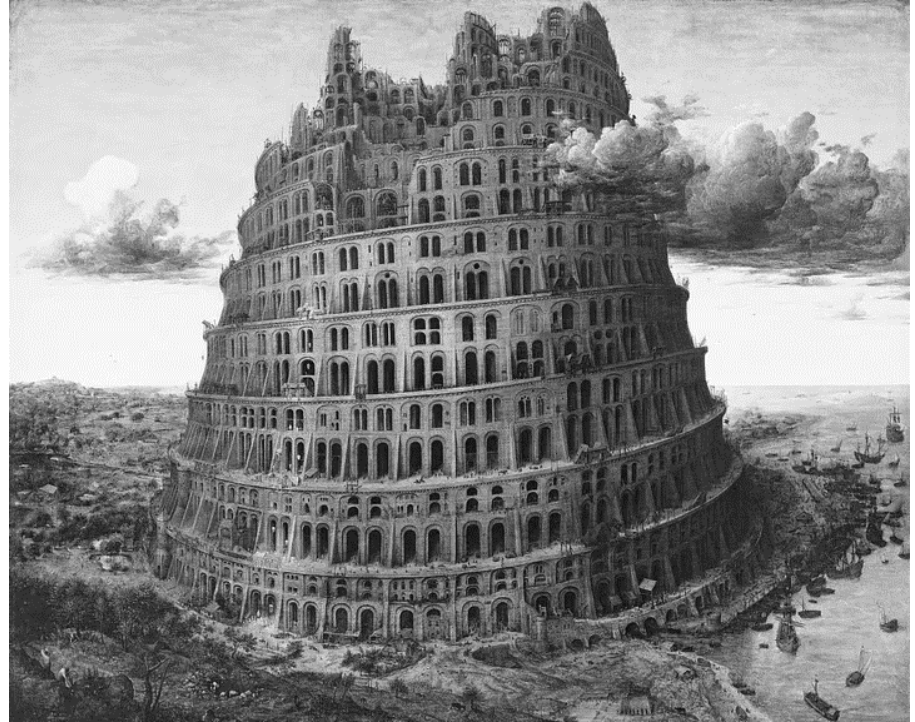
Certification is based on transparency



A certification body harmonises / clarifies the definitions

Renewable carbon

entails all carbon sources that
**avoid or substitute the use of any
additional fossil carbon** from the
geosphere.



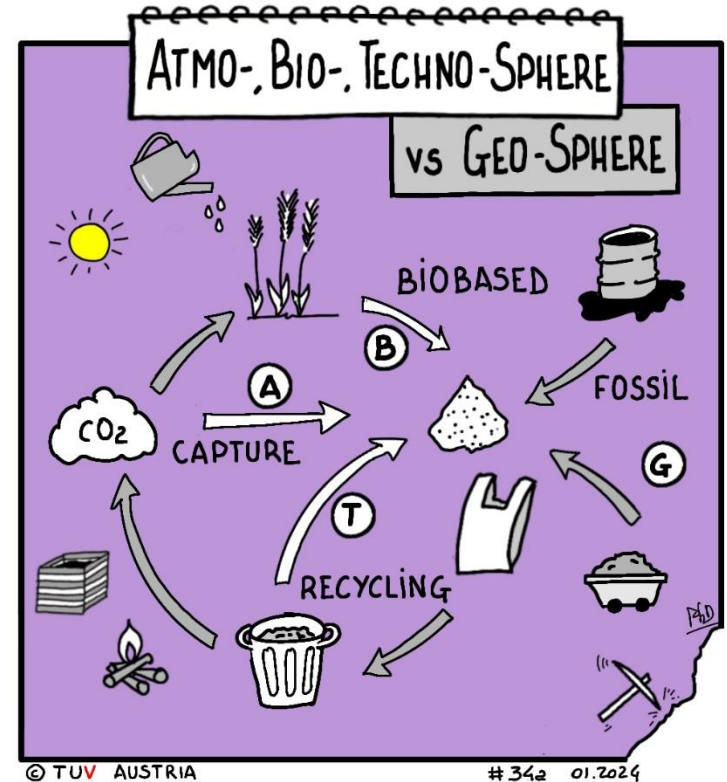
A certification body harmonises / clarifies the definitions

Renewable carbon

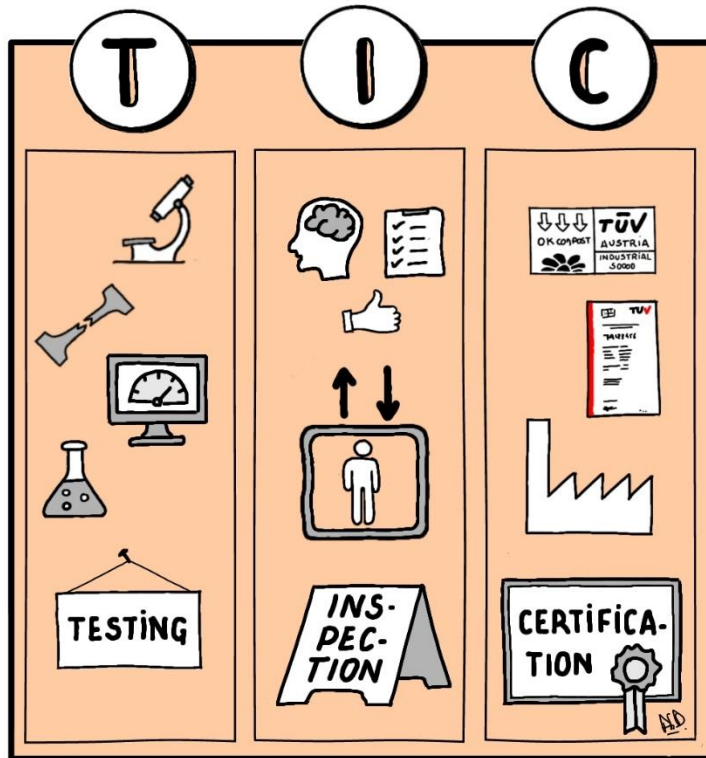
entails all carbon sources that **avoid or substitute the use of any additional fossil carbon** from the geosphere.

Renewable carbon

can come from the **biosphere, atmosphere** or **technosphere** but not from the **geosphere**.



... bases its assessment on facts



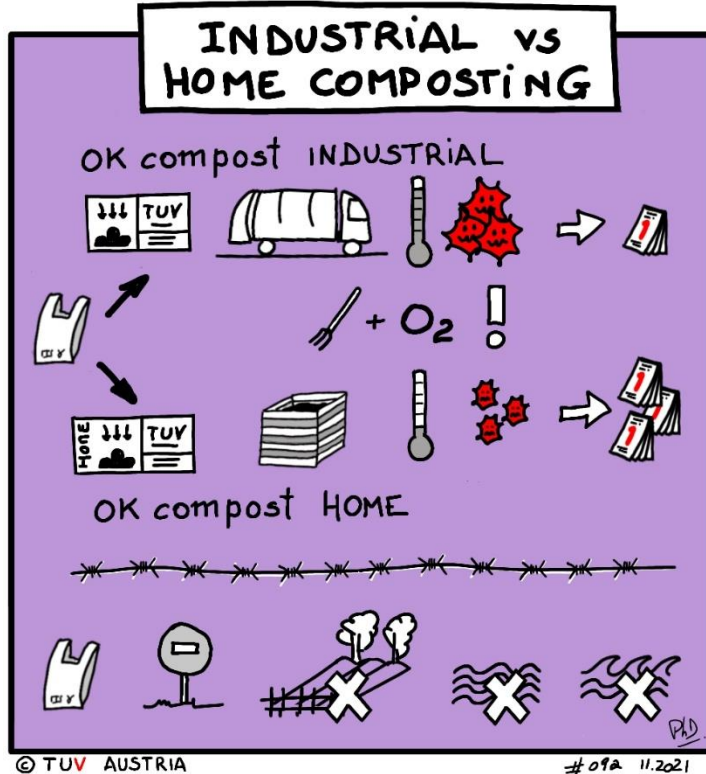
- ✓ Measurement
- ✓ Inspection
- ✓ Audits



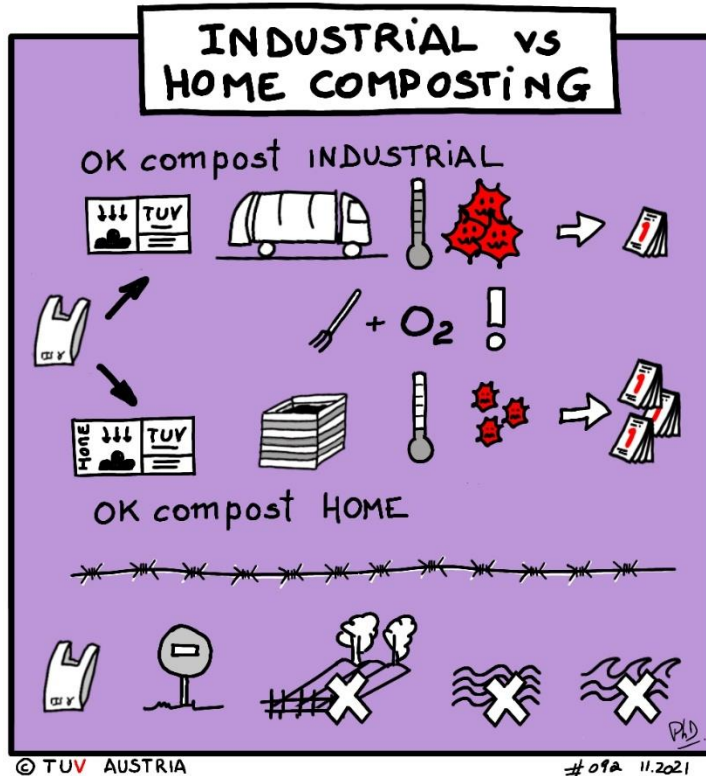
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#28a 01.2024

... establishes protocols where they do not exist

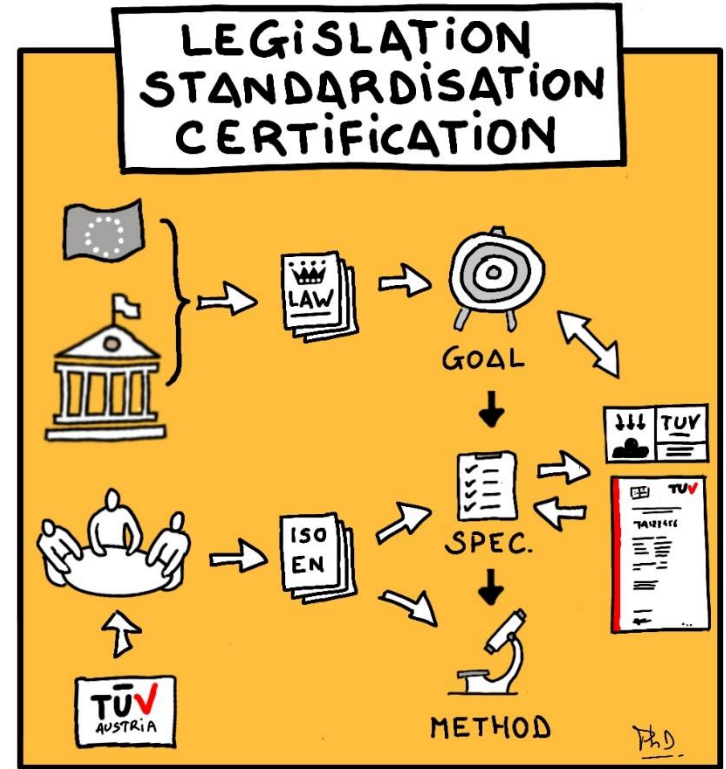


... establishes protocols where they do not exist



- ✓ **2003** : OK compost HOME defines the biodegradation and disintegration criteria for home composting tests
- ✓ **2007** : AS 5810
Plastics — Specifications for plastics suitable for home composting
- ✓ **2015** : NF T51-800
Plastics — Specifications for plastics suitable for home composting
- ✓ **2022** : EN 17427
Packaging — Requirements and test scheme for carrier bags suitable for treatment in well-managed home composting installations

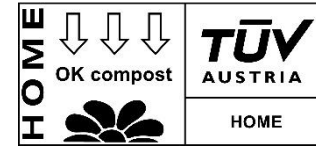
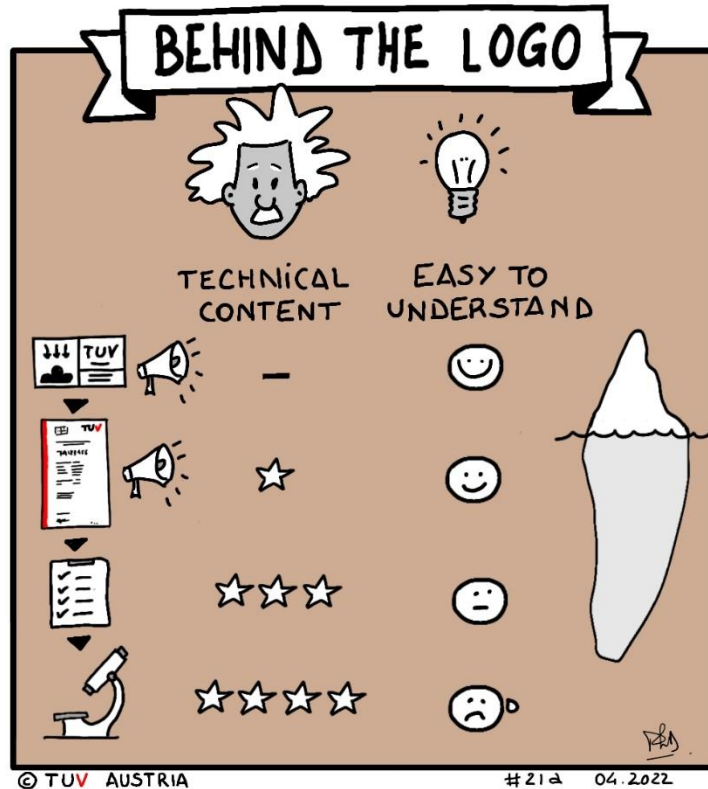
... participates to standardisation



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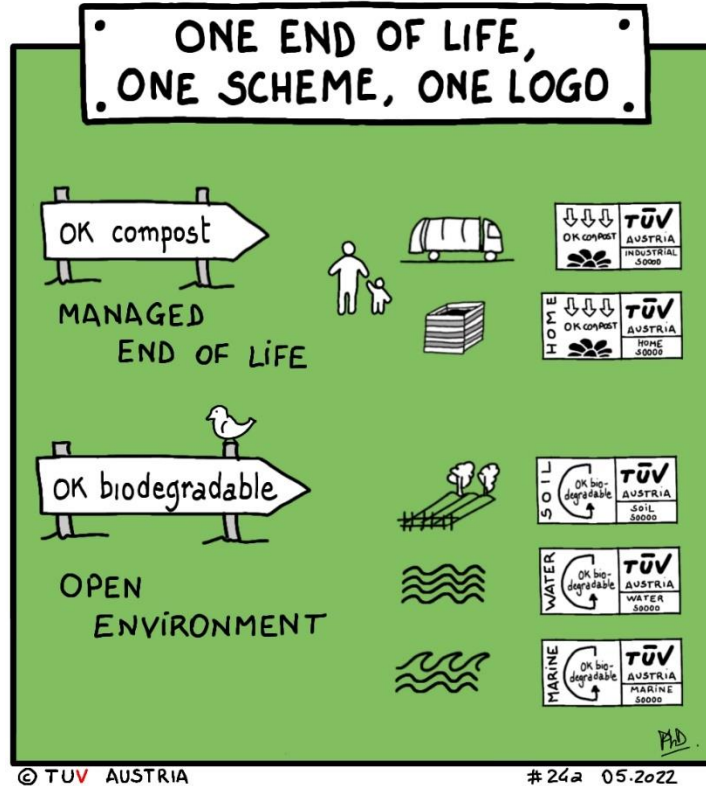
... clarifies communication



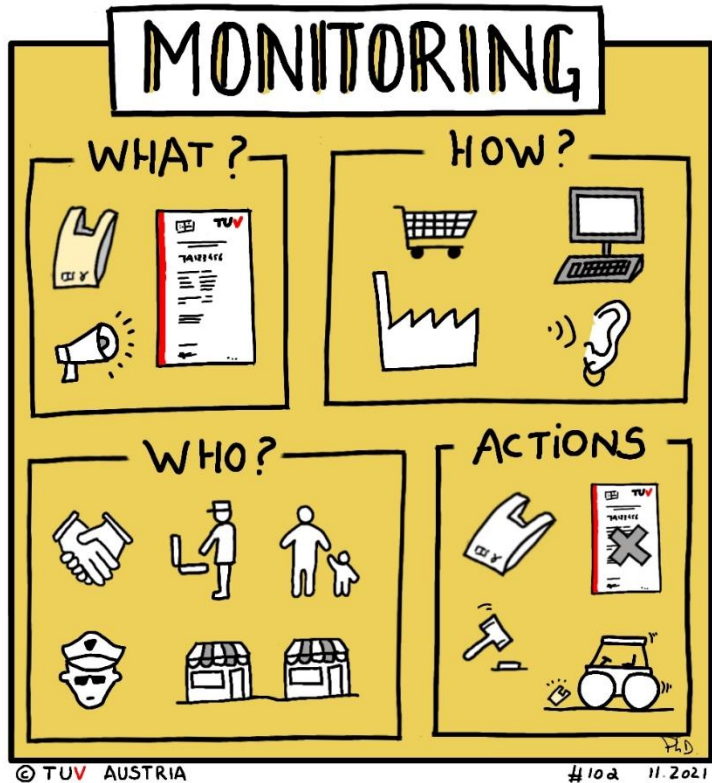
A conformity mark translates complex technical matters in an easy-to-understand message



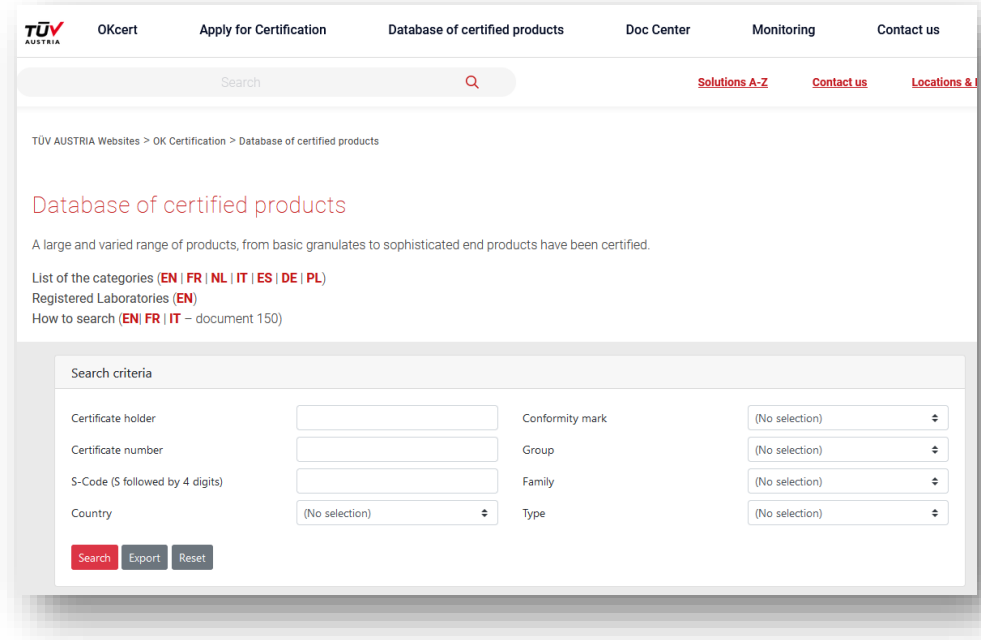
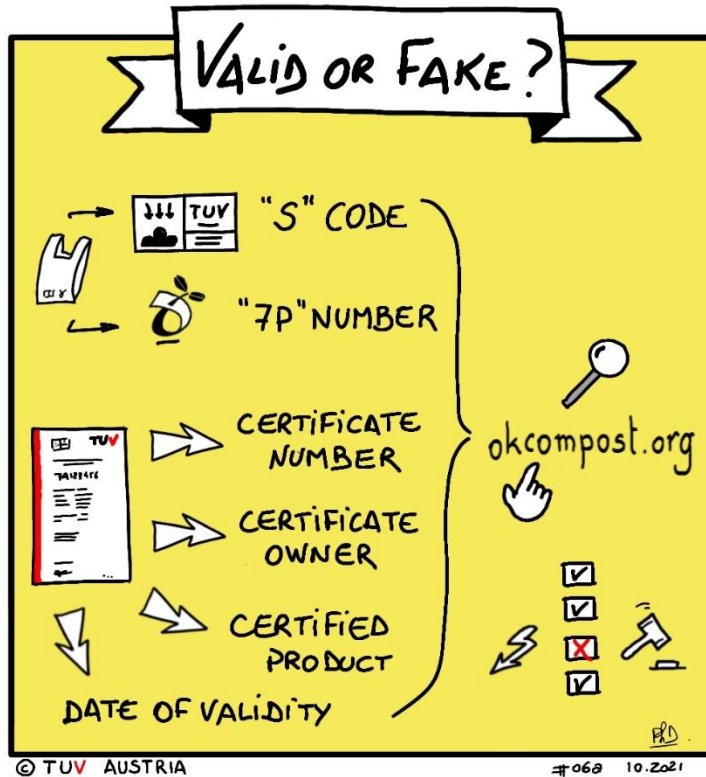
... clarifies communication



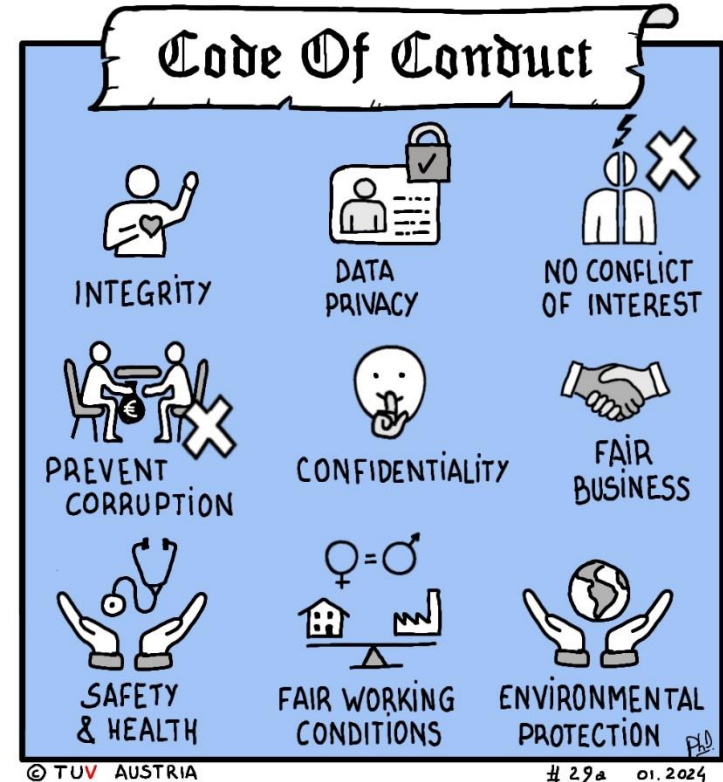
... organises the market monitoring



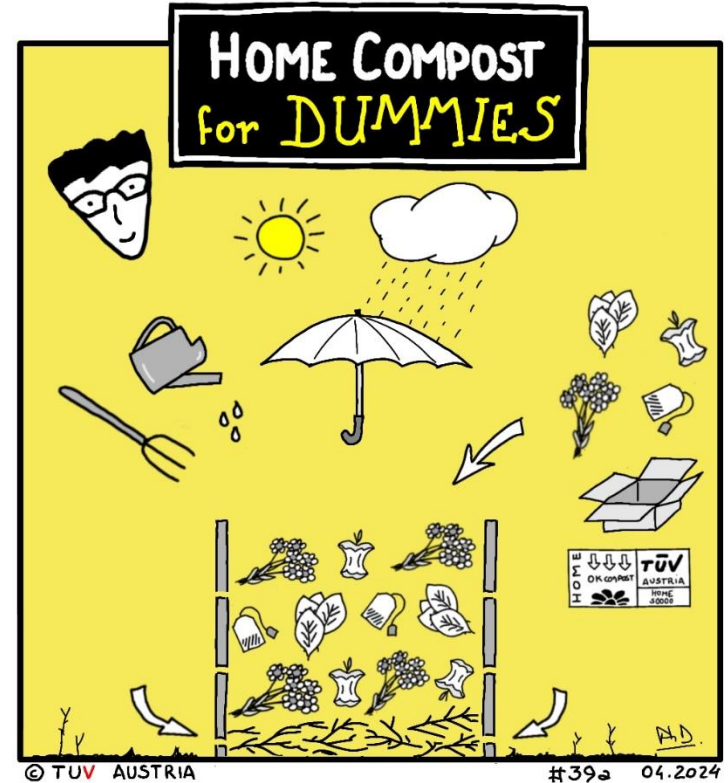
... fights frauds and misuses



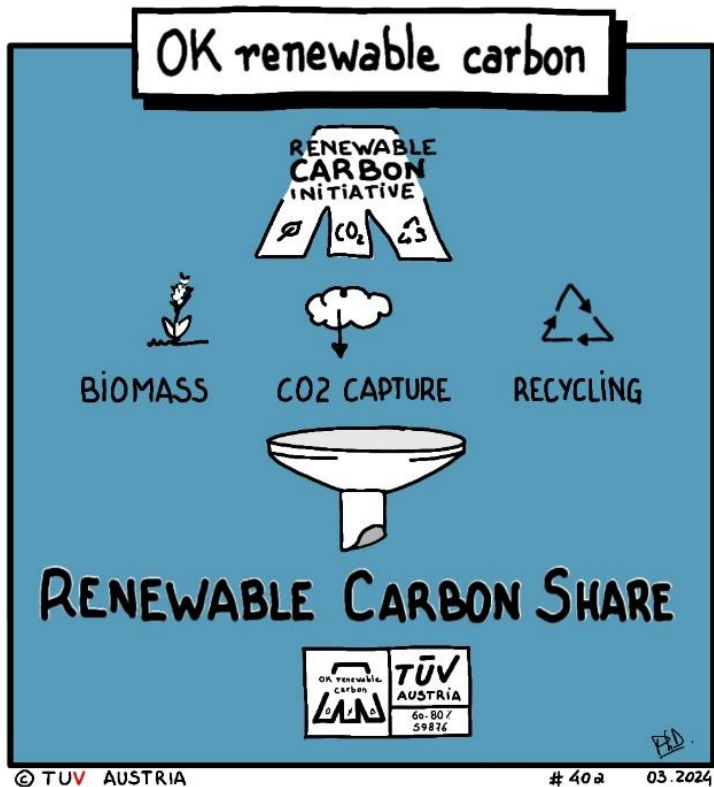
... is subject to a strict code of conduct



... participates to the education



... supports & promotes innovation



MEMBERS OF THE INITIATIVE

LARGE SUPPLIERS



SME



BRANDS



START-UPS



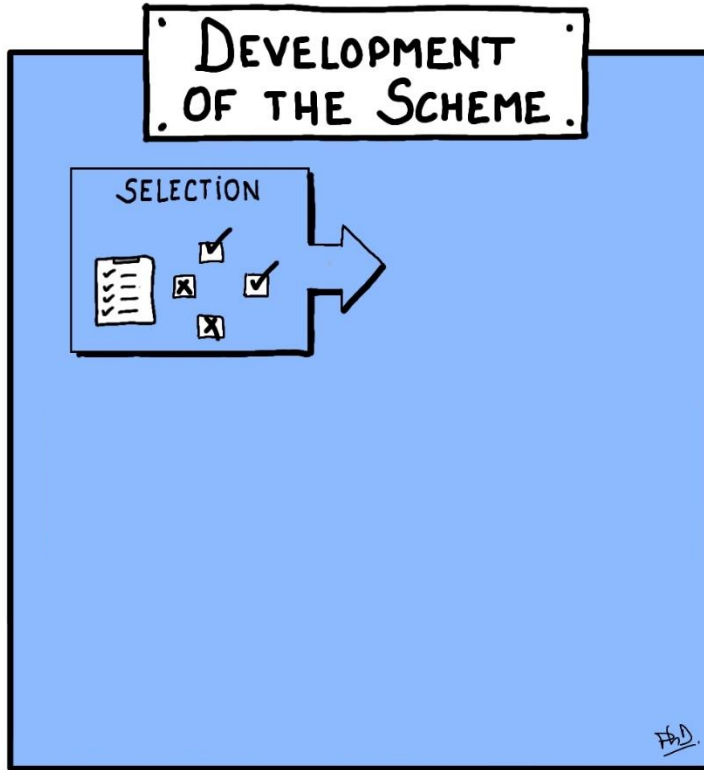
RESEARCH INSTITUTES



PARTNERS OF THE INITIATIVE



Development of the certification scheme



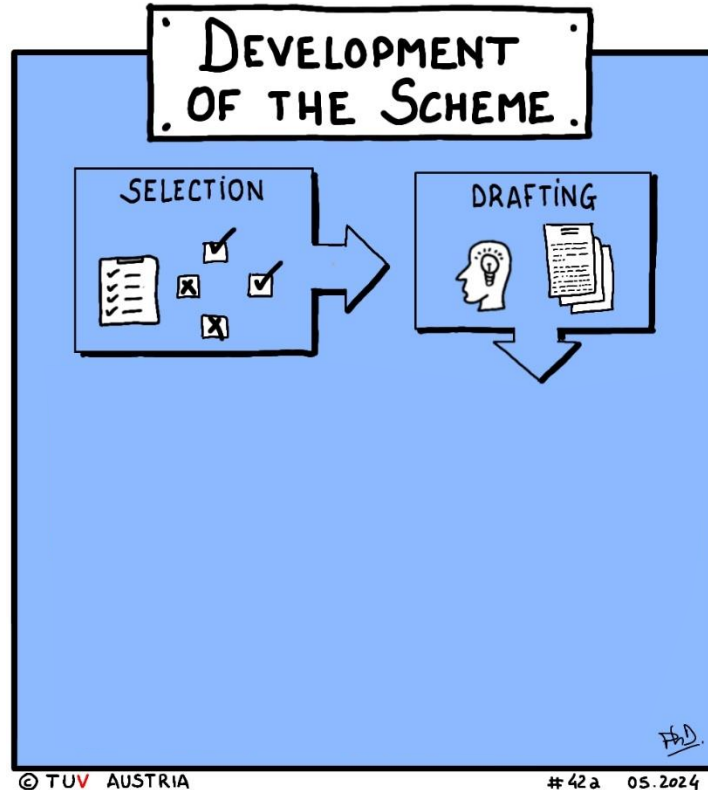
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9 underlying schemes

Development of the certification scheme



The Renewable Carbon Share is defined as

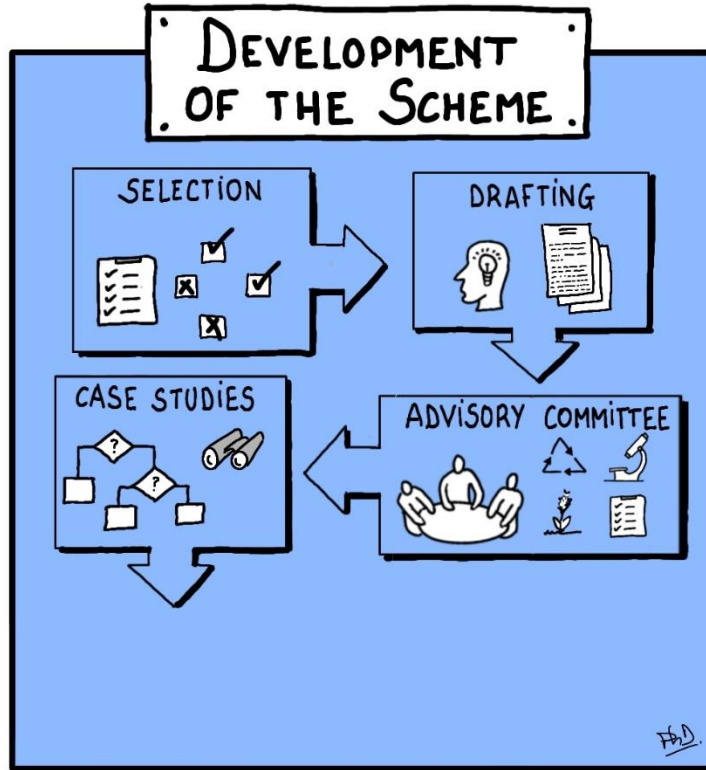
Where SIC : Share in composition of the product in % for :

$$\begin{aligned} \text{RCS} &= \text{SIC}_{\text{BB}} * \text{BB} \\ &+ \text{SIC}_{\text{BA}} * \text{BA} \\ &+ \text{SIC}_{\text{BCB}} * \text{BCB} \\ &+ \text{SIC}_{\text{FCB}} * \text{FCB} \\ &+ \text{SIC}_{\text{CA}} * \text{CA} \\ &+ \text{SIC}_{\text{RB}} * \text{RB} \\ &+ \text{SIC}_{\text{RA}} * \text{RA} \\ &+ \text{SIC}_{\text{NR}} * 0 \\ &+ \text{SIC}_{\text{NC}} * 0 \end{aligned}$$

- bio-based (SIC_{BB})
- bio-attributed (SIC_{BA})
- bio-CO₂-based (SIC_{BCB})
- captured fossil-carbon-based (SIC_{FCB})
- CO₂-attributed (SIC_{CA})
- recycling-based (SIC_{RB})
- recycling-attributed (SIC_{RA})
- not renewable (SIC_{NR})
- not certified (SIC_{NC})

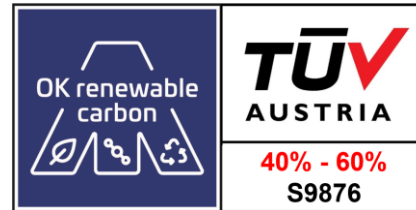
Where $\sum \text{SIC}_{\text{xx}} = 100 \%$

Advisory Committee and case studies



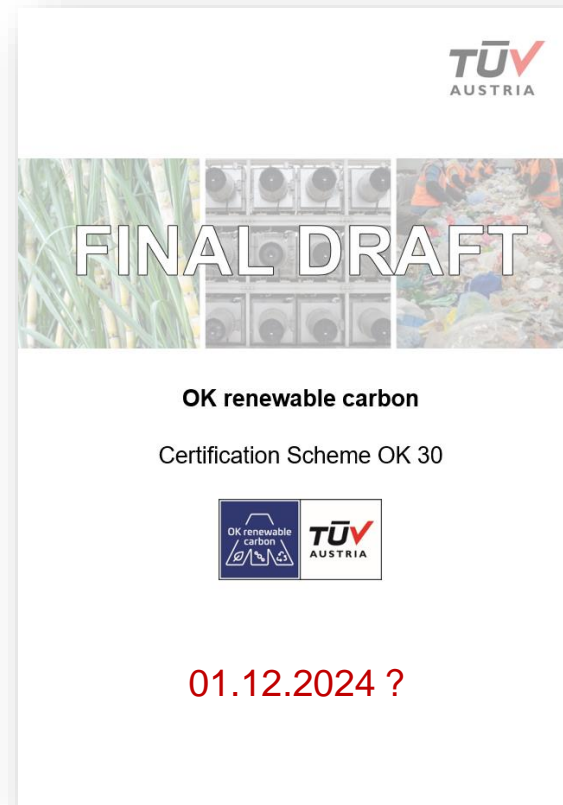
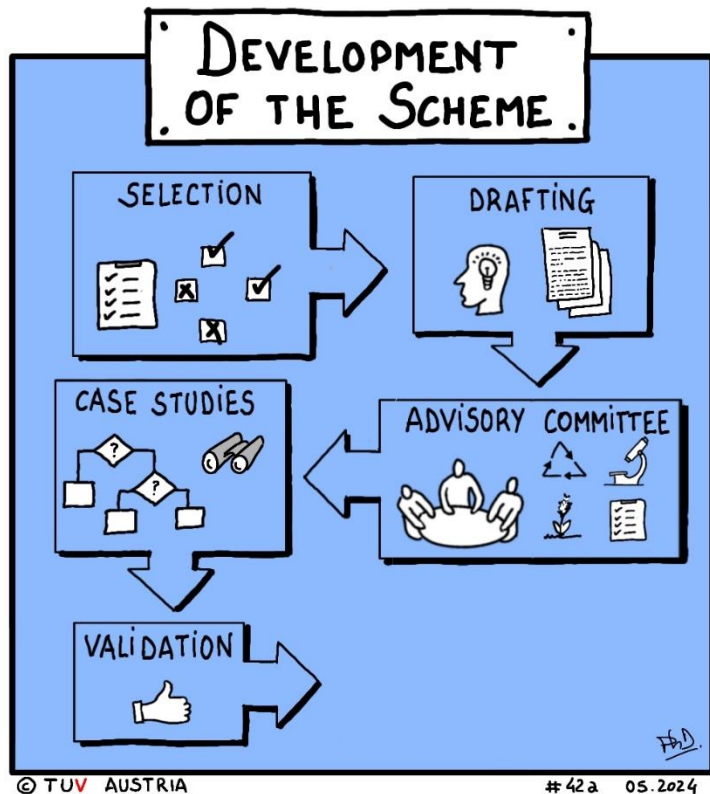
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- Class 1: $20\% \leq \text{RCS} < 40\%$
- Class 2: $40\% \leq \text{RCS} < 60\%$
- Class 3: $60\% \leq \text{RCS} < 80\%$
- Class 4: $80\% \leq \text{RCS} < 100\%$
- Class 5: $\text{RCS} = 100\%$

Final validation & publication



Thank you

okcert.tuvaustria.com

okcert@be.tuvaustria.com

NEW ADDRESS

Wingepark 41 | 3110 Rotselaar | BELGIUM

biobased %

