

The Need for Certification of biomass

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Contents

- 1. Certification
- 2. Standards
- 3. Certification schemes
- 4. Pilots

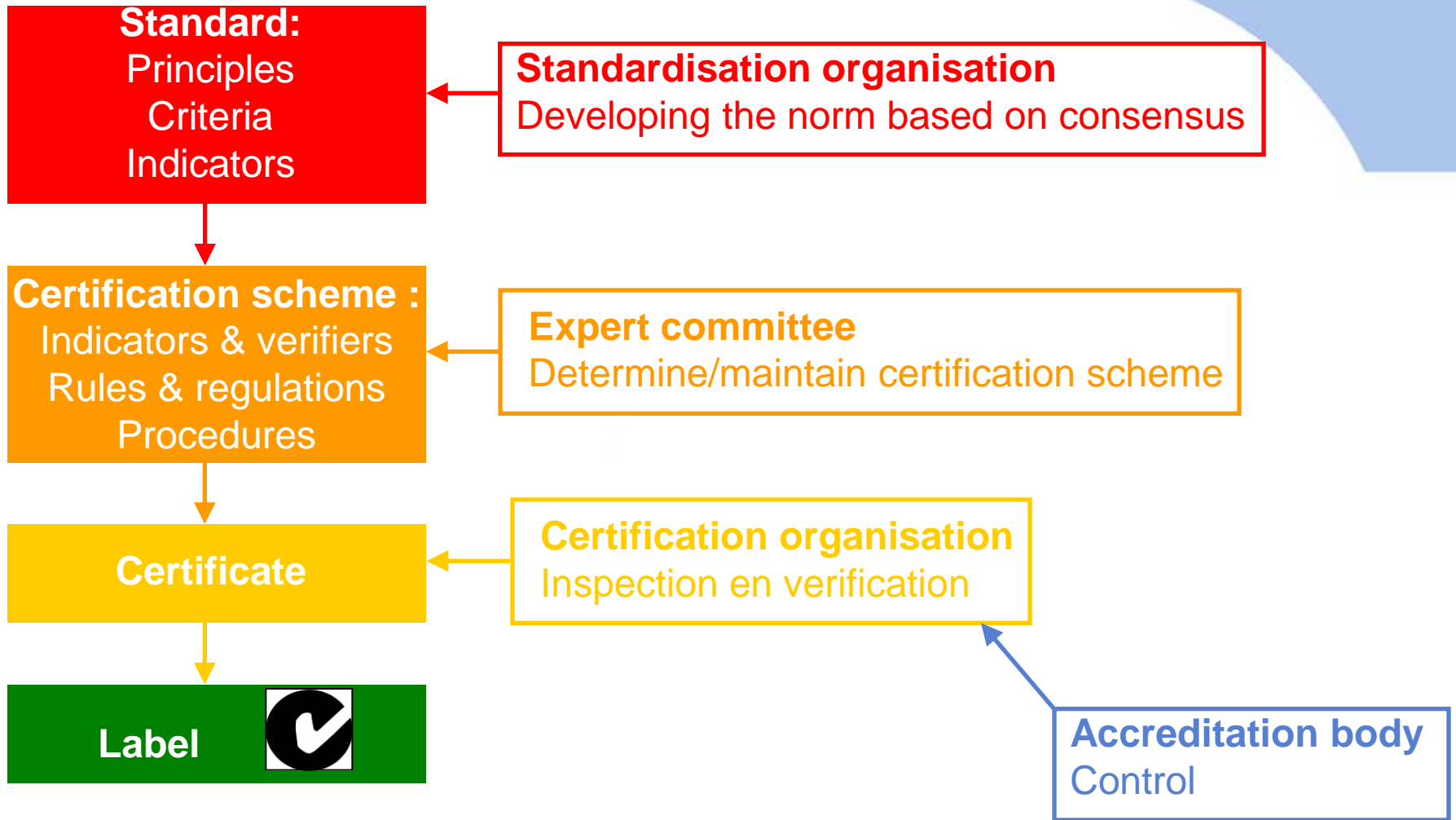


1. What is certification?

‘Certification is the assessment and approval that a product, process or company conforms to the requirements specified in a standard’



Certification system:



Certification pro/con:

Market perspective

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- Effectively demonstrate that requirements are met
- Market access (in case of obligatory certification)
- Base for differentiation
- Consumer recognition
- Increased consumer trust can be translated into a higher price
- Knowledge market players is input for the standard, increasing applicability

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- Competition advantage gone when certification is obligatory
- High costs
- Much work

Certification pro/con: Government perspective

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- Transparency of the market
- Base for regulations/laws
- Condition for subsidies
- Less inspection/enforcement efforts

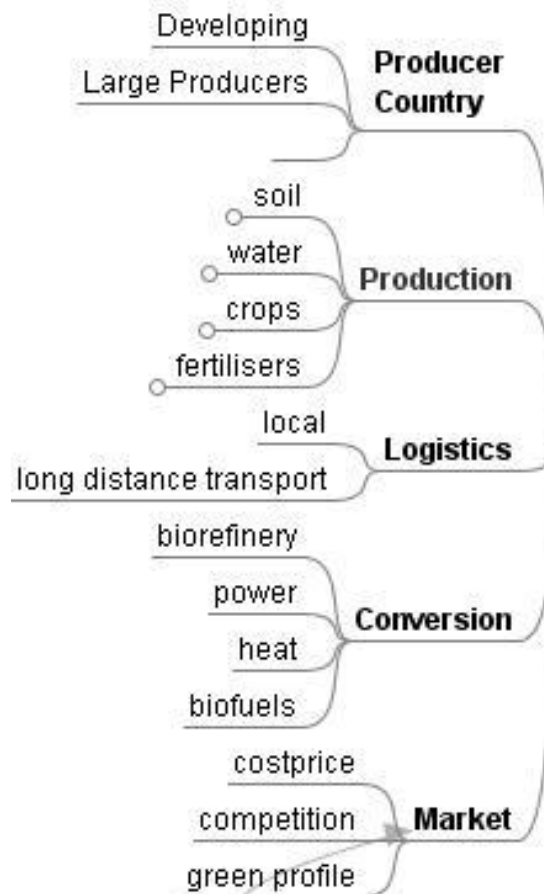
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- criteria used by the market might not be sufficient from the society point of view
- Limited tools to steer the process

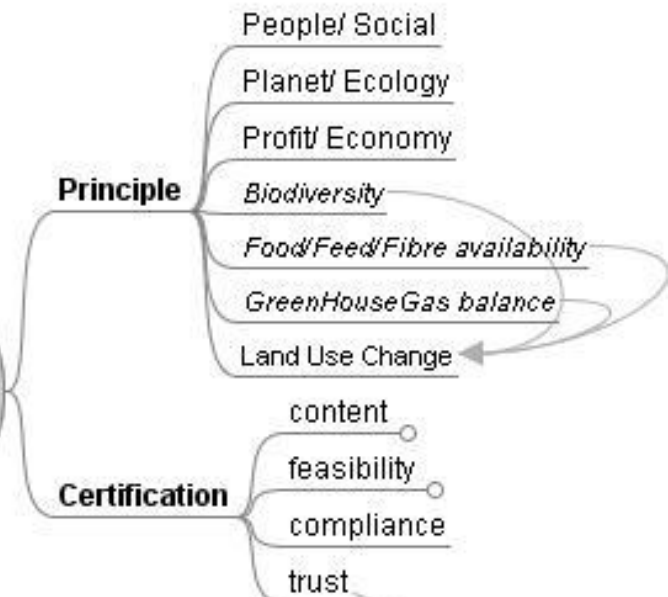


In a complex biomass world need for trust

Biomass Chain



Assessment



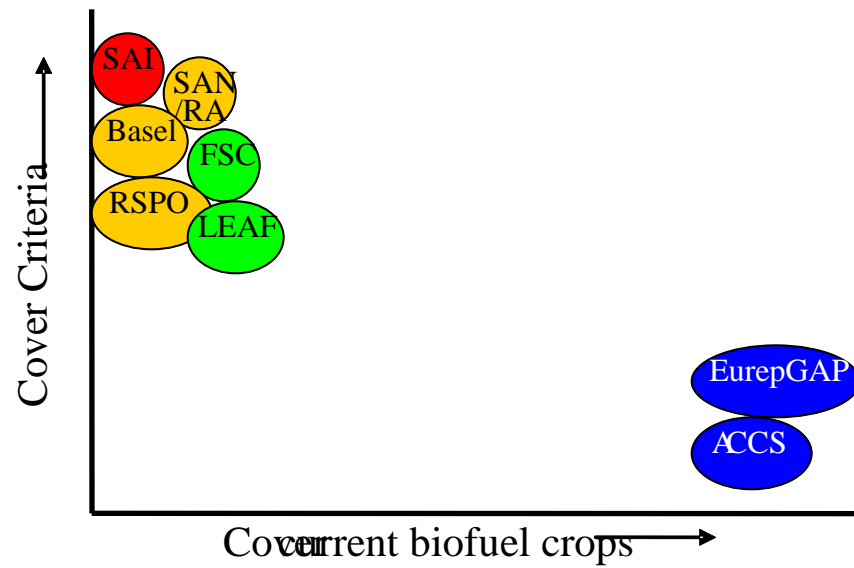
2. Sustainable Biomass Standards:

Cramer: Principles, Criteria and Indicators:

- Greenhouse gas balance
- Competition with food, local energy supply, medicines and construction materials
- Biodiversity
- Prosperity
- Welfare
- Environment



**Current situation: limited number
of sustainability standards**



Netherlands Technical Standard 8080

- NEN Office of Standards
- Developed Standard of Cramer Criteria in 2008
- Since 1 March 2009 available as standard for the market
 - www.nen.nl Price: € 43

Implementation:

Cramer criteria vs Renewable Energy Directive

Cramer / NTA 8080

1. GHG-balance/ C-stocks Yes
2. Competition with food
3. Biodiversity
4. Environment
5. Prosperity
6. Well-being



EC Directive

Reporting

Yes

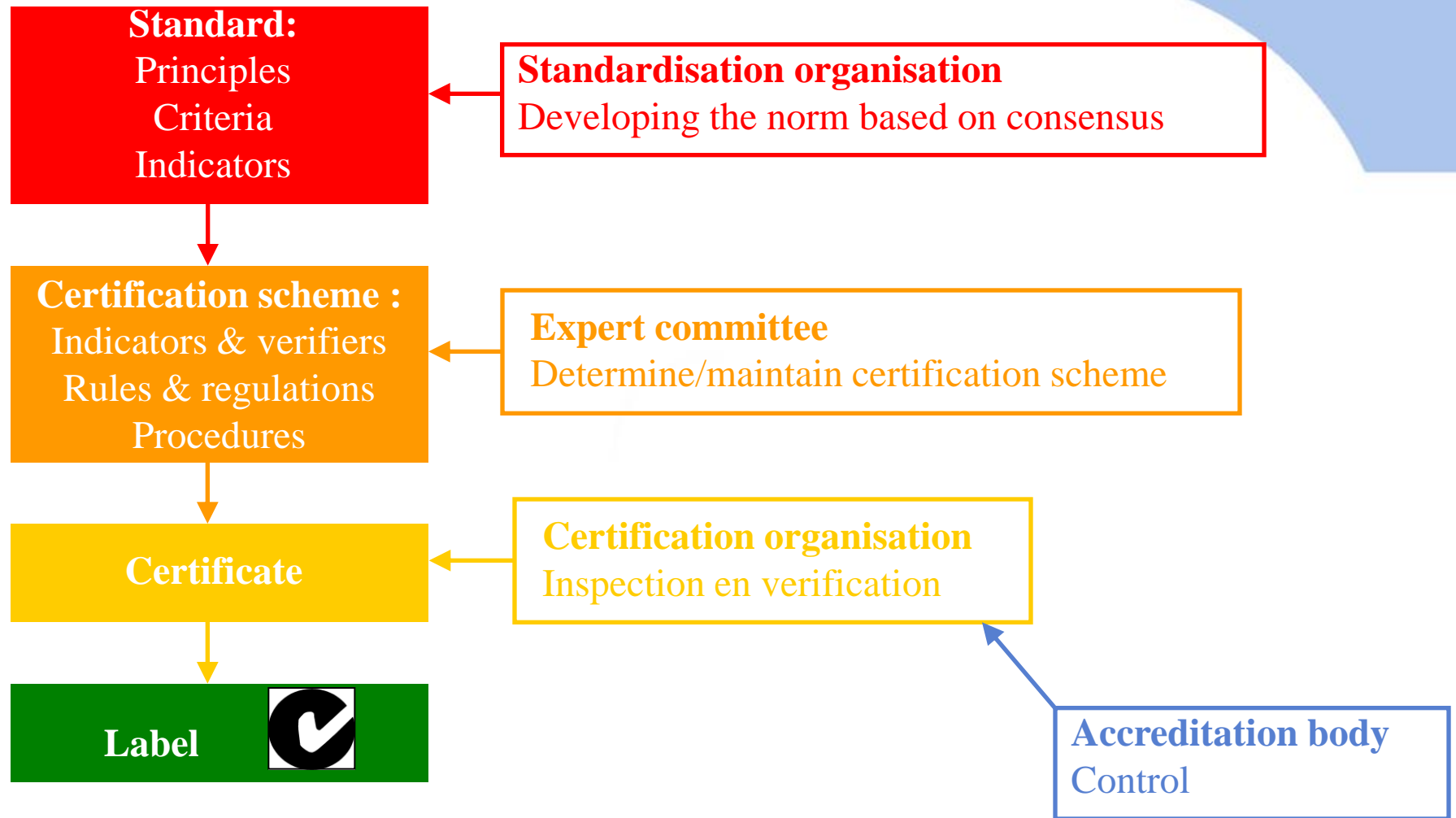
Within Europe

(Reporting)

Reporting



3. Certification schemes:

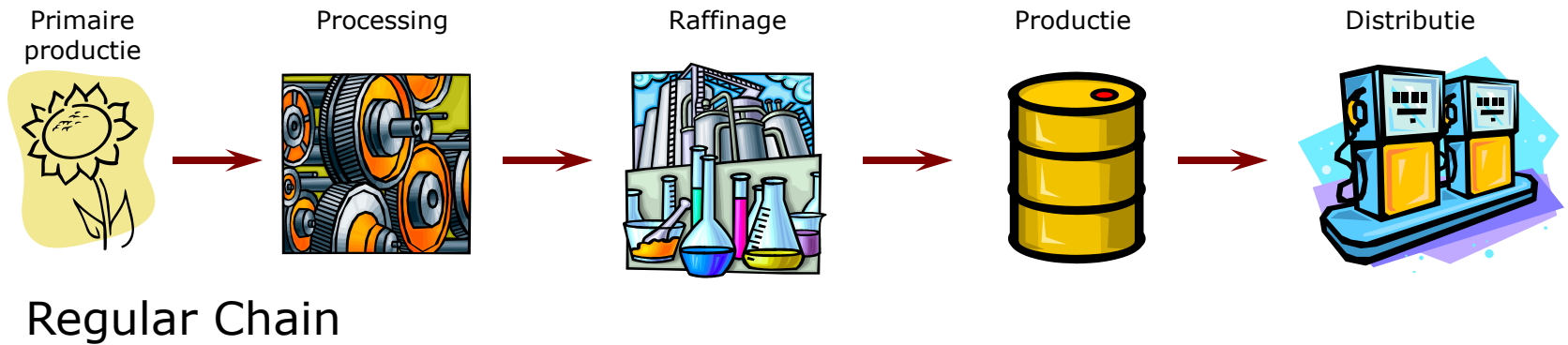
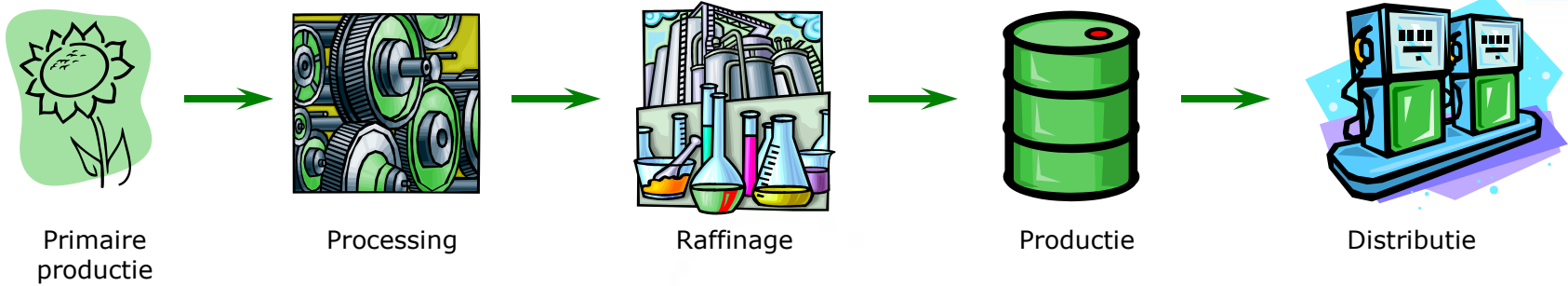


Three certification models

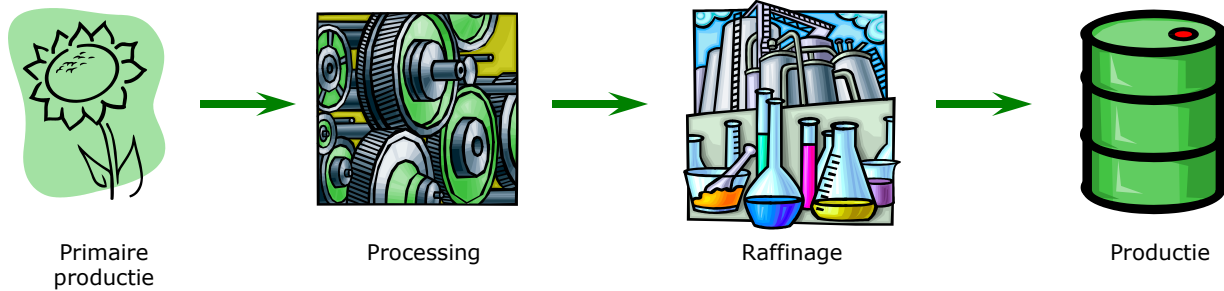
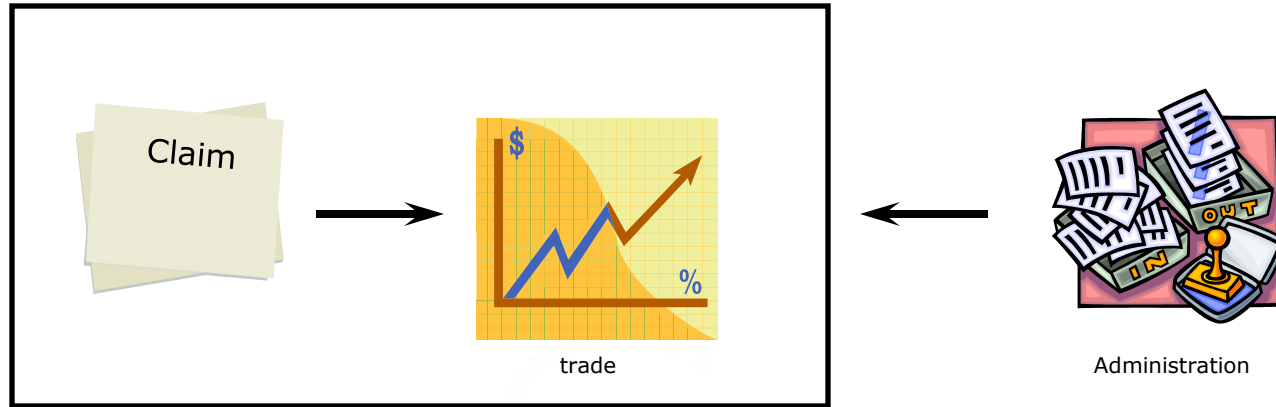
- a) Full segregation
- b) Book & Claim
- c) Mass Balance

a. Full segregation (e.g. Fair Trade coffee)

Certified Chain



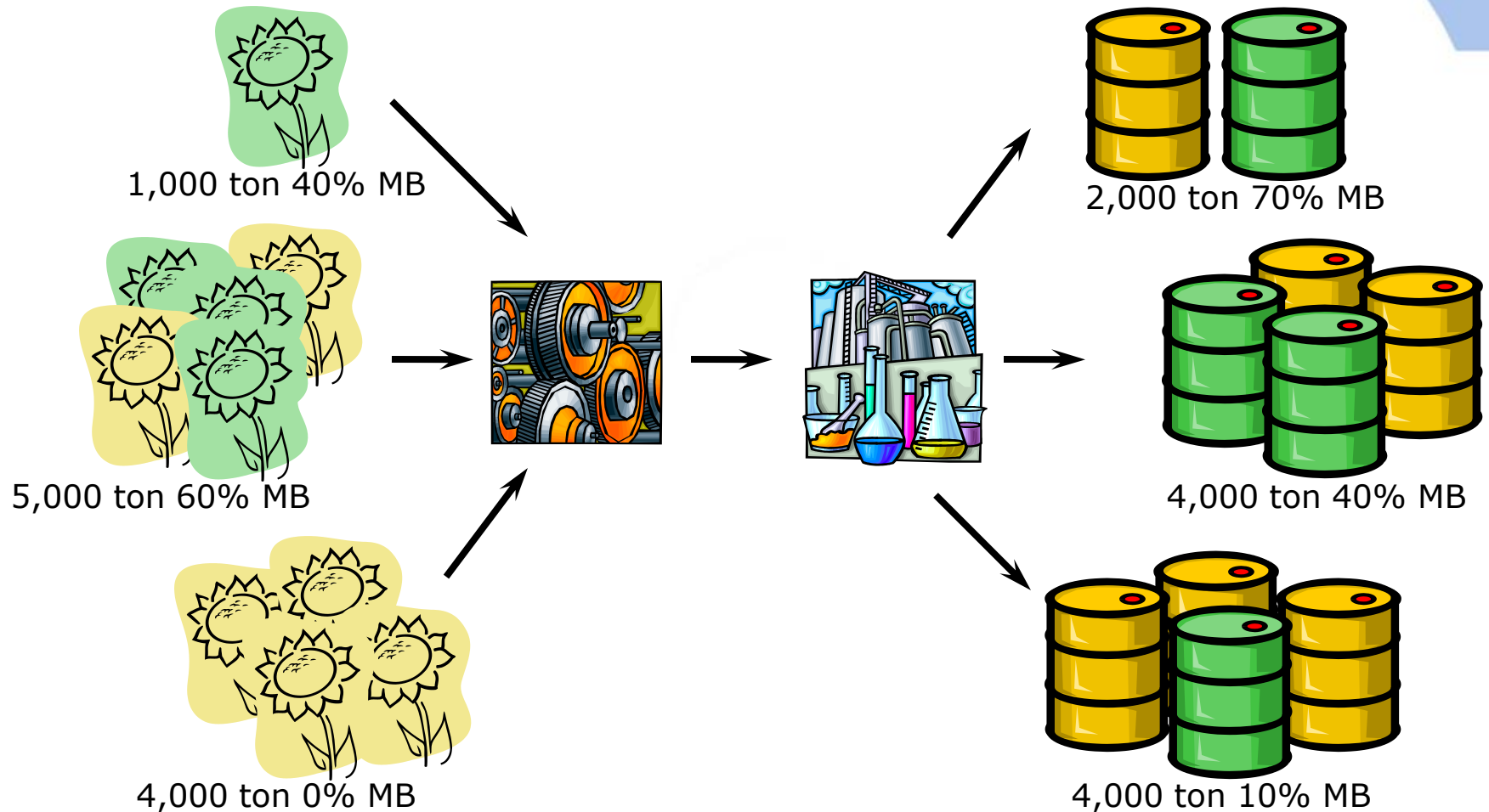
b. Book & Claim (e.g. Green Electricity)



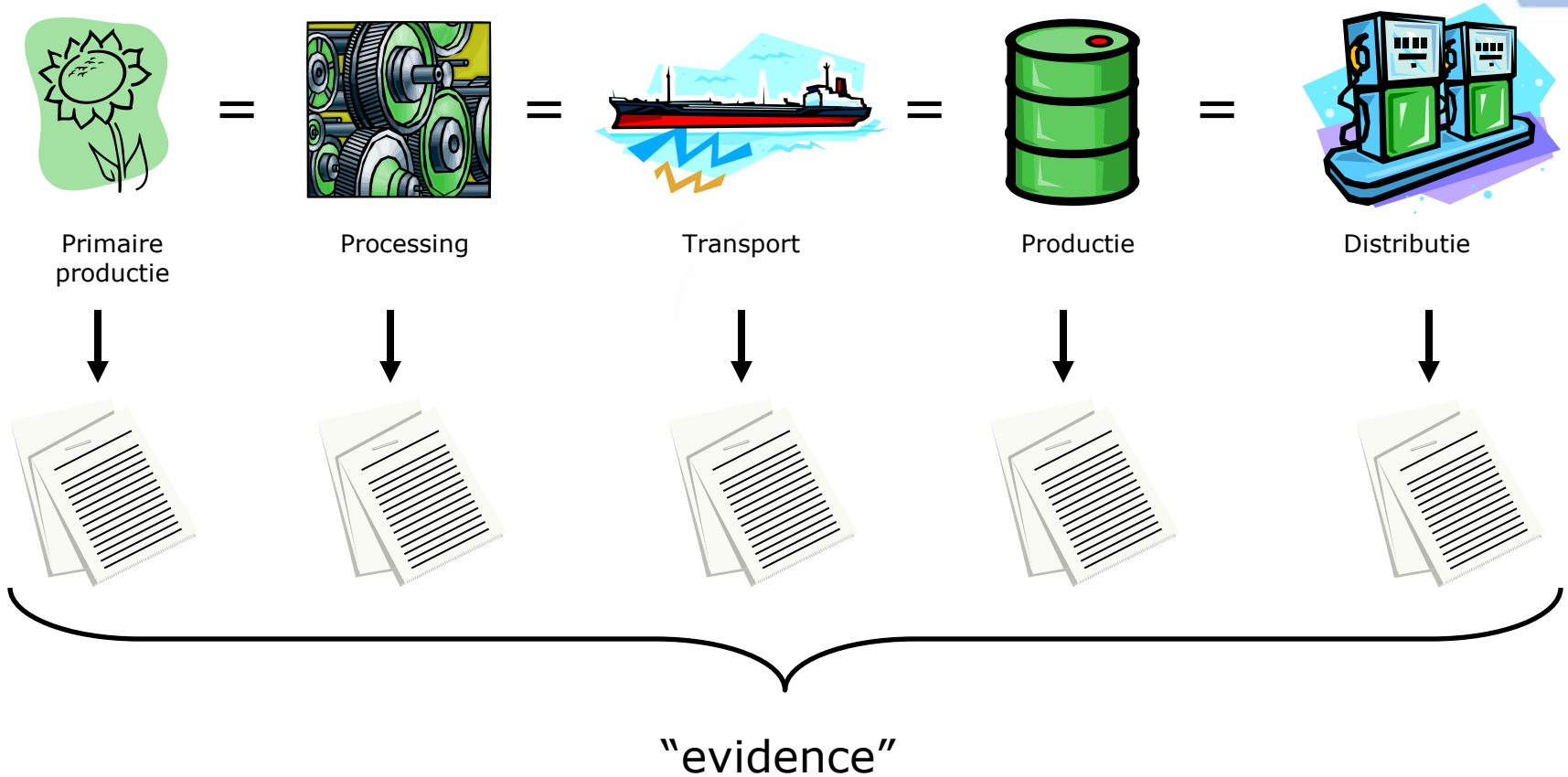
Biomassa keten

c) Mass Balance (in EU: Renewable Energy Directive)

- For each delivery the percentage of sustainable product is calculated



Chain of Custody



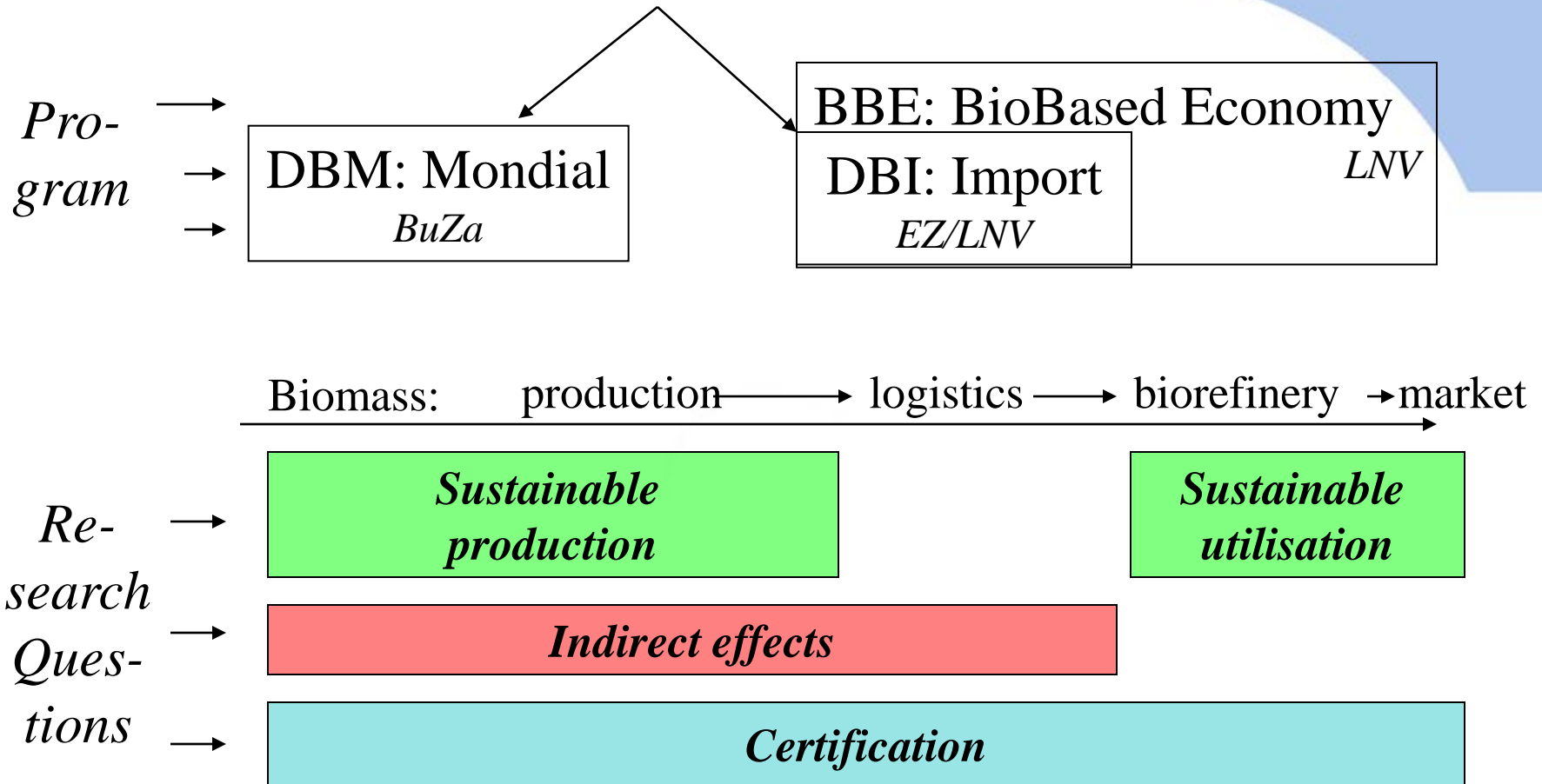
Certification of sustainable biomass: NTA 8081

- Standard for certification procedure
 - Audits
 - Documents
 - Verification
- Under development
- To be used to prove sustainability to the European Commission
- CEN or ISO standards preferred

4. Pilots and Sustainable Import Support

- Ministry of Foreign Affairs 13 M€ for developing countries
 - First call (6.5M€) for proposals now open, closes 25 May 2009
- Ministry of Agriculture/Economy to develop innovative sustainable import chains 7.5 M€
 - First call open in June, closes in September 2009
- Vision: Increased sustainable biomass production for equal opportunities
- Goal:
 - attain sustainable production
 - Knowledge transfer and capacity building
 - Macro monitoring of indirect effects
 - Certification of sustainable trade chains
- Supporting
 - Build up knowledge for improving policies of biomass and biofuel use and support

Certified Sustainable Biomass



Certified Sustainable Biomass

	Sustainable Biomass Mondial	Sustainable Biomass Import
Goal	Support Developing Countries in sustainable biomass production for energy to obtain access to worldmarket.	Support the increase of sustainable biomass for energy in major producing countries to the Netherlands
Subsidy Budget	12.5 M€	7.5 M
Supporting program	2.75 M€	1.5 M€
1st tender	< 25 may 09; 6.5 M€	< 15 oct 09; 4 M€
2nd tender	End 2009; 6 M€	Spring 2010; 3.5 M€
Focus countries	Indonesia, Vietnam, Colombia, Nicaragua, Mali, Tanzania, Mozambique en Zuid-Afrika	Canada, Brasil, Ukraine, Baltic States, Rusland,

Conclusions

- Only market for proven sustainable biomass/biofuels
- Standards for sustainability exist
- Certification schemes under development, but should be limited!
- Further implementation required
- Budgets available for support of companies to develop this

Thank you for your attention.

