



NEN

NTA 8080 Sustainable Biomass Certification

BIOFIBE 2011

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@NTA8080



“NTA 8080 Sustainable Biomass Certification”



www.nta8080.org

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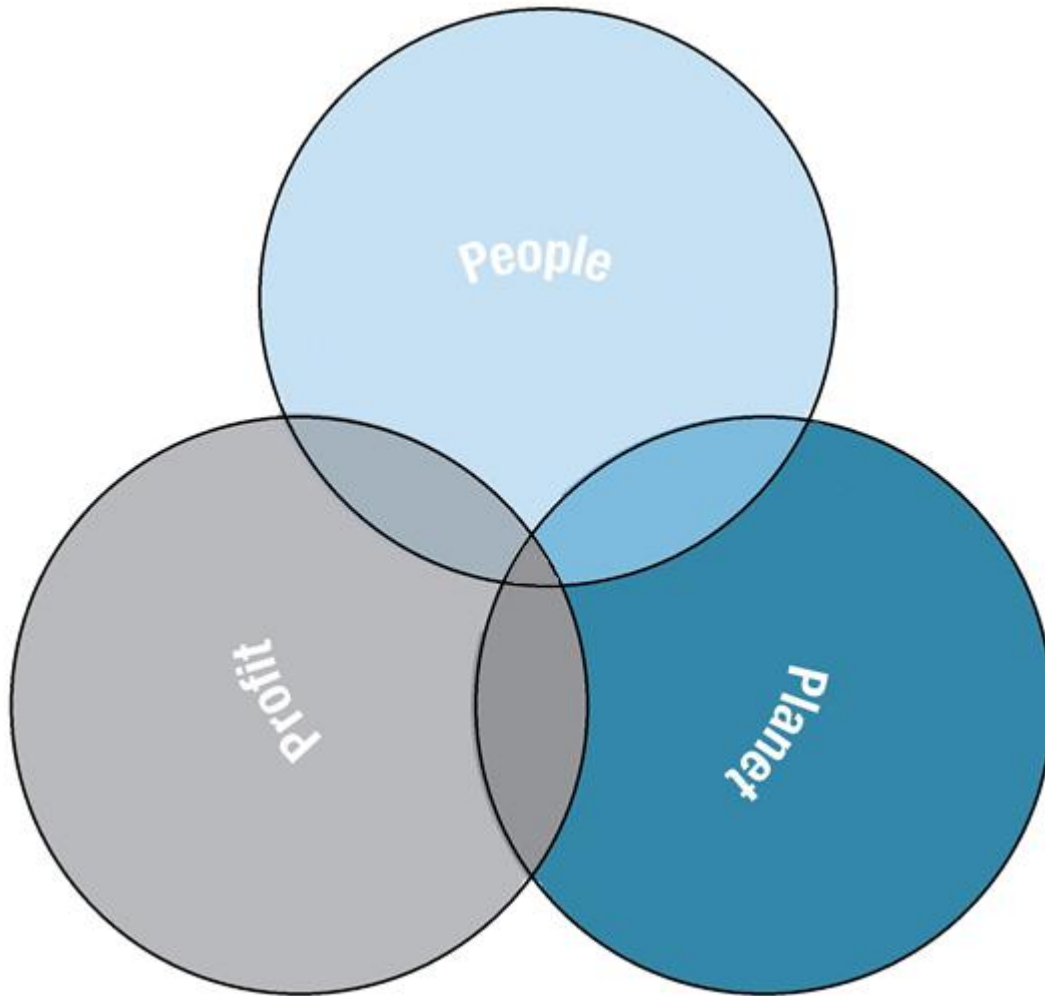
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Main Questions Covered

- What is sustainable biomass?
- Why did the Dutch develop NTA 8080?
- How do I demonstrate sustainability?
- Concluding remarks

What is sustainable biomass?

Definition of Sustainability



Cramer sustainability themes:

- Greenhouse gas emissions
- Competition with food and local applications of biomass
- Biodiversity
- Environment
- Prosperity
- Social well-being

People



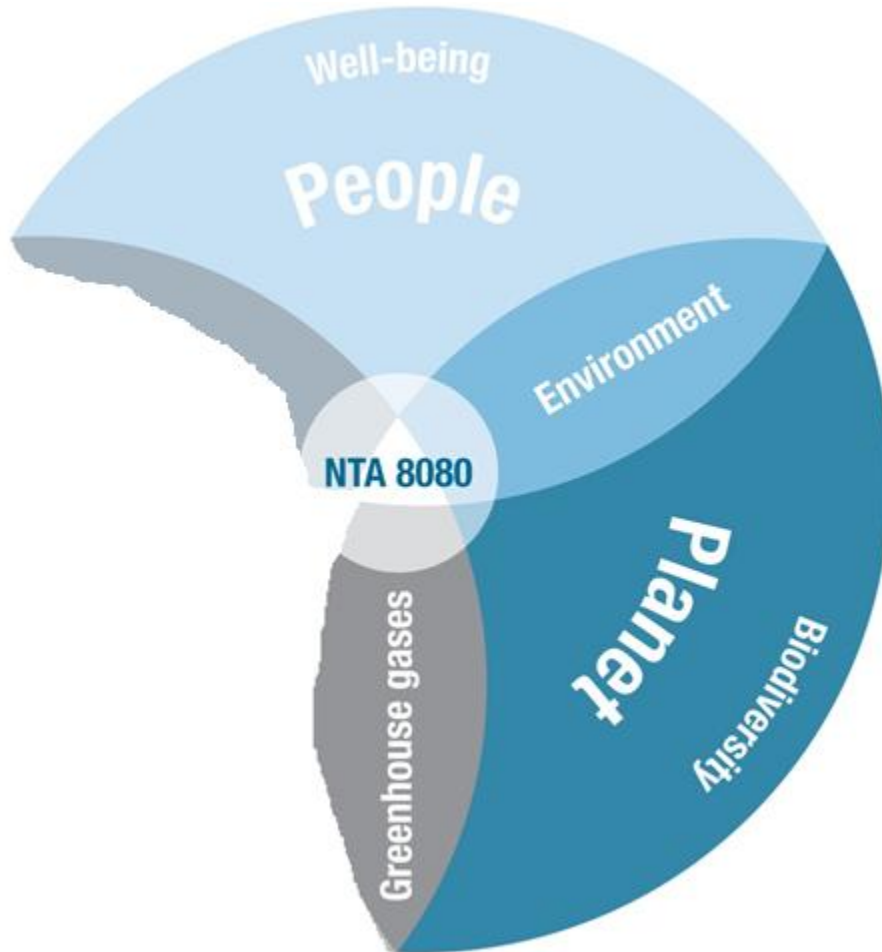
Well-being

The production of biomass needs to contribute to the well-being of the employees and the local community.

Environment

In the production and processing of biomass, the quality of the soil, surface and ground water and air needs to be preserved, if not improved.

Planet



Biodiversity

Biomass production may never harm protected or vulnerable biodiversity but –wherever possible– needs to strengthen the biodiversity.

Greenhouse gases

Considered over the entire chain, the use of biomass needs to result in a sharp reduction in greenhouse gas emissions compared to fossil fuels.

Profit



Prosperity

The production of biomass needs to contribute to the local economy.

Competition

The production of biomass for energy purposes may not endanger the food supply or other local applications.

NTA 8080 Sustainability criteria for biomass for energy purposes

- NTA = Netherlands Technical Agreement
- Developed with a diverse group of Dutch stakeholders with international operations
- For international application
- Input in international standardization
- Solid, Liquid and Gaseous biomass
- Producers, Processors, Traders, End-users

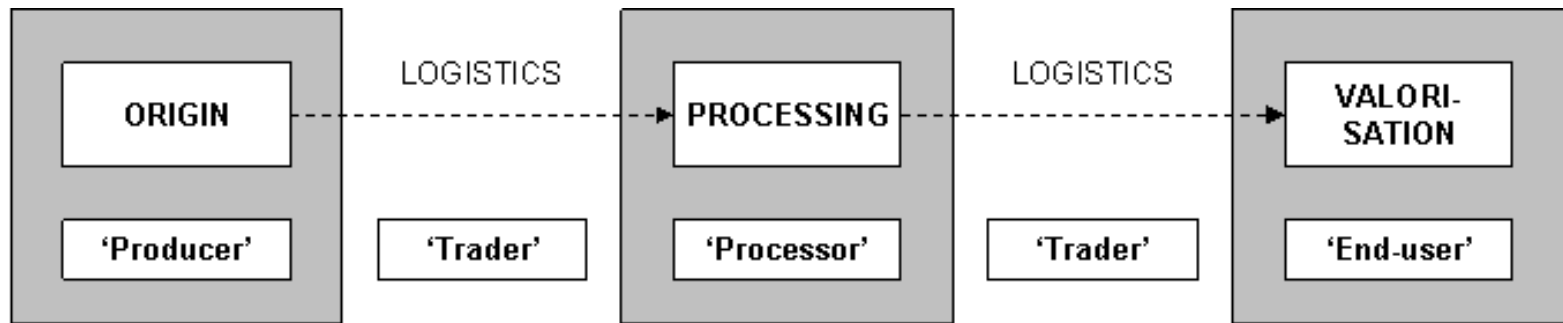
Committee NTA 8080

- KEMA Nederland
- Oxfam Novib
- Eneco
- Energy Pellets Moerdijk
- Shell Nederland
- Ministry of Economic Affairs
- Rotterdam Climate Initiative
- Nuon
- Kiwa Nederland
- SMK
- Control Union Certifications
- Gasunie
- SenterNovem
- ECN
- IUCN
- Essent
- VNPI
- Universiteit Leiden
- BioShape
- Staatsbosbeheer
- Natuur en Milieu
- Electrabel

Scope of certification

Solid, Liquid and Gaseous biomass

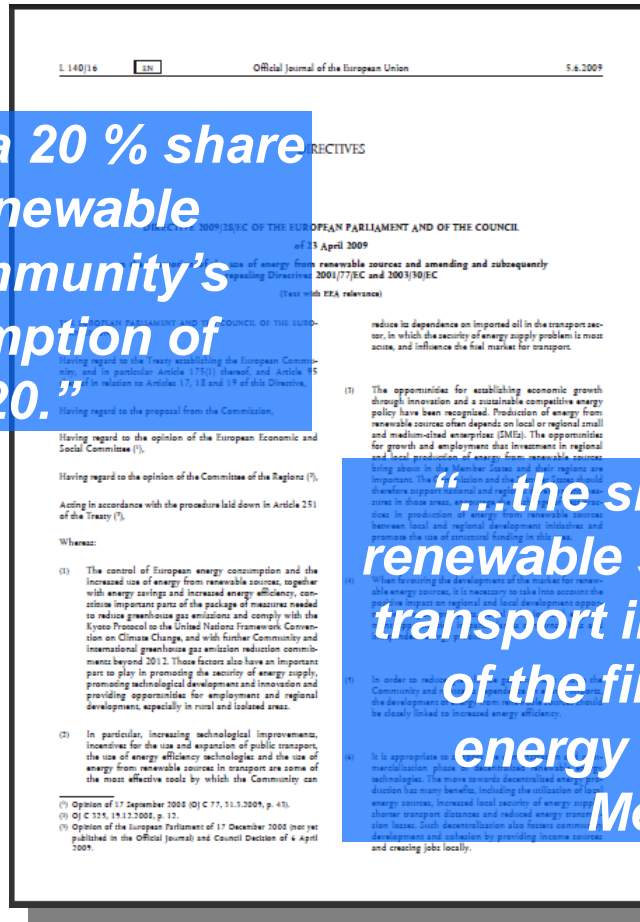
Producers, Processors, Traders, End-users



Why did the Dutch develop NTA 8080?

Renewable Energy Directive

“...a target of at least a 20 % share of energy from renewable sources in the Community’s gross final consumption of energy in 2020.”



Booming Biomass

- EU and Global climate policy favors biomass
- Biomass is global business
- Cramer committee (2007):
 - Large opportunities for new activities in the field of biomass
 - Must not be at the expense of other important values for **nature**, **environment** and **society**
- Dutch biomass demand will exceed domestic production

With green power comes green responsibility

Subsidised Biomass projects

- Argentina
- Brazil
- Canada
- Colombia
- Guatemala
- Honduras
- Indonesia
- Indonesia
- Mali
- Mexico
- Mozambique
- Mozambique
- Nicaragua
- Panama
- Russia
- Sierra Leone
- South Africa
- South-Africa
- Spain
- Tanzania
- Turkey
- Ukraine
- United States
- Vietnam



International standardization

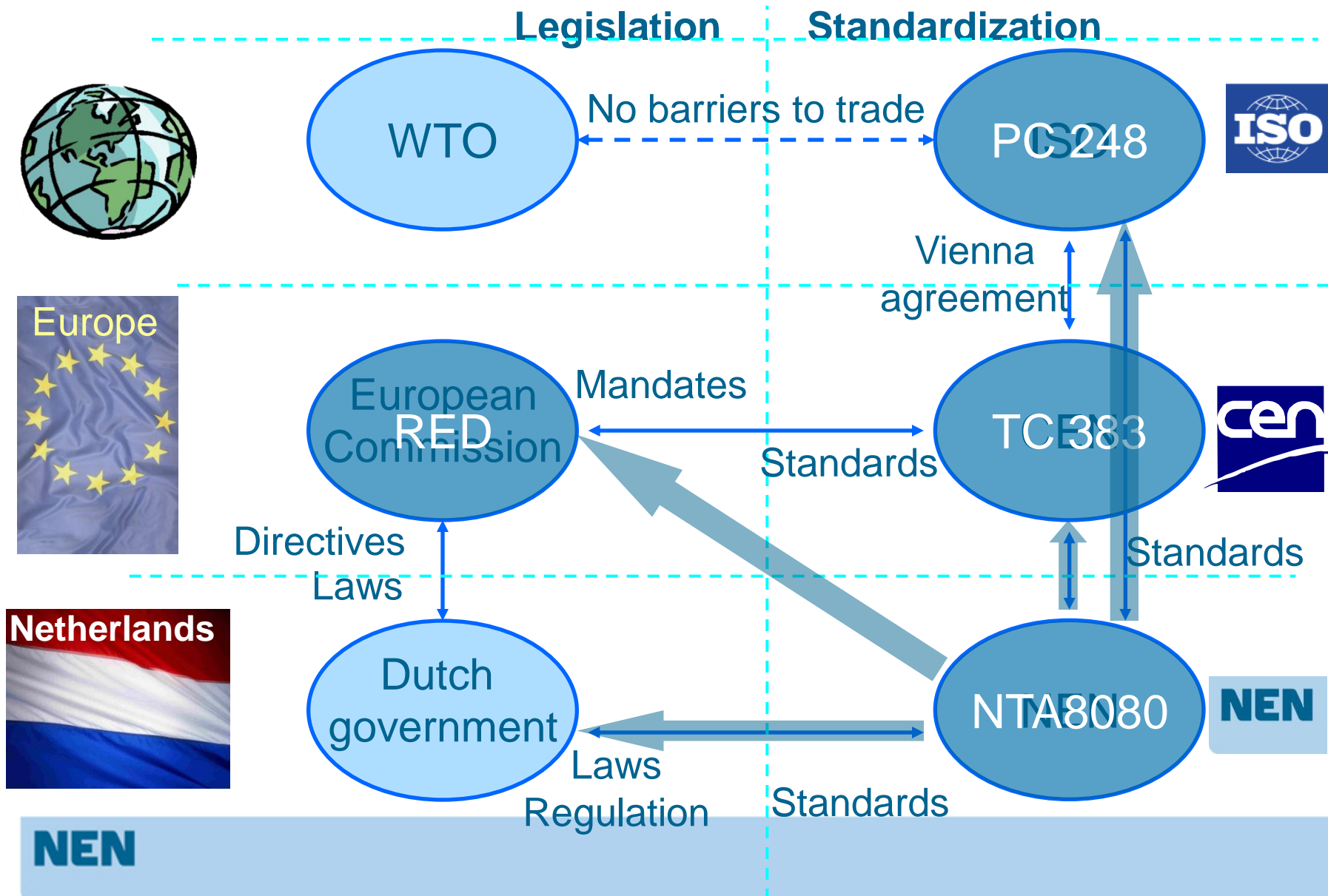
Standardization takes place at three levels:

- National (NEN)
- European (CEN)
- International (ISO)



NEN

European & international framework



NEN

CEN/TC 411 'Bio-based products'

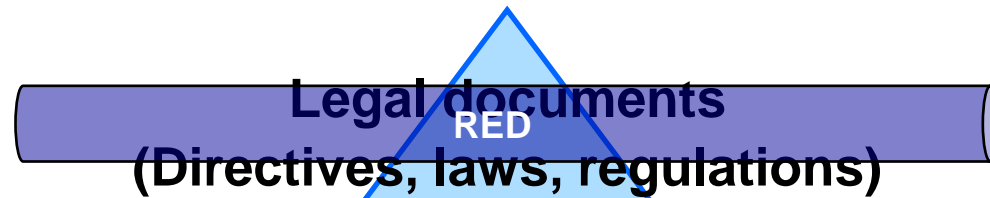
- WG 1 Terminology
- WG 2 Bio-solvents
- WG 3 Bio-based content
- WG 4 Sustainability criteria, life cycle analysis and related issues
- WG 5 Certification and declaration tools



How do I demonstrate sustainability?

Regulations, standards and certification

Global criteria



Detailed elaboration



Conformity



NEN

NTA 8081 certification scheme

NTA 8081 describes the certification scheme for NTA 8080

Developed by Committee of Experts

- multi stakeholder approach (as in NTA 8080)

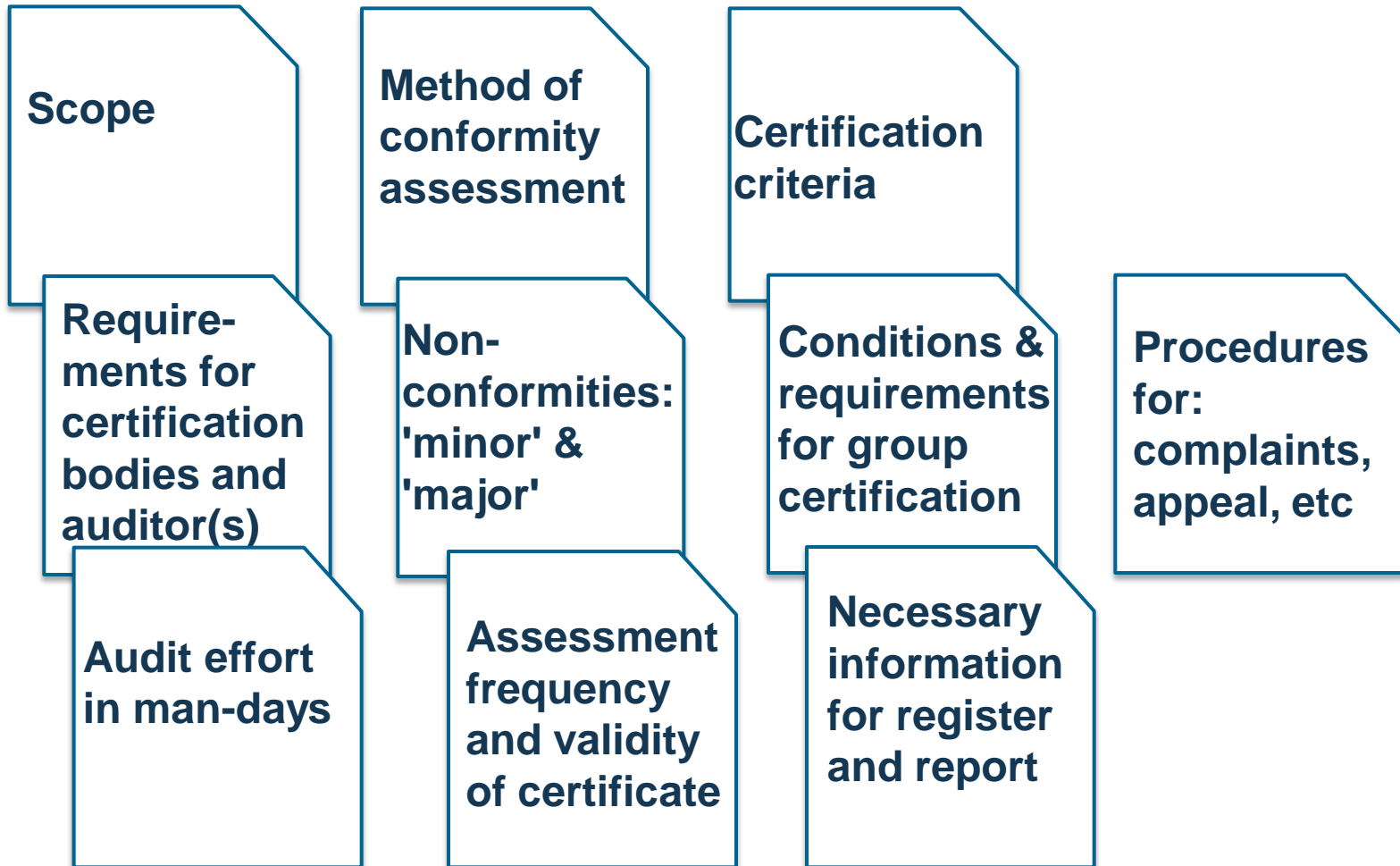
Certification scheme is owned and maintained by NEN
scheme management (Accreditation)

- Updated regularly based on experiences

Only used by affiliated CBs:

- DEKRA Certification
- Quality Services Certification BV
- Control Union Certifications
- Bureau Veritas Certification
- SGS Nederland B.V.
- Kiwa Netherlands

NTA 8081 content



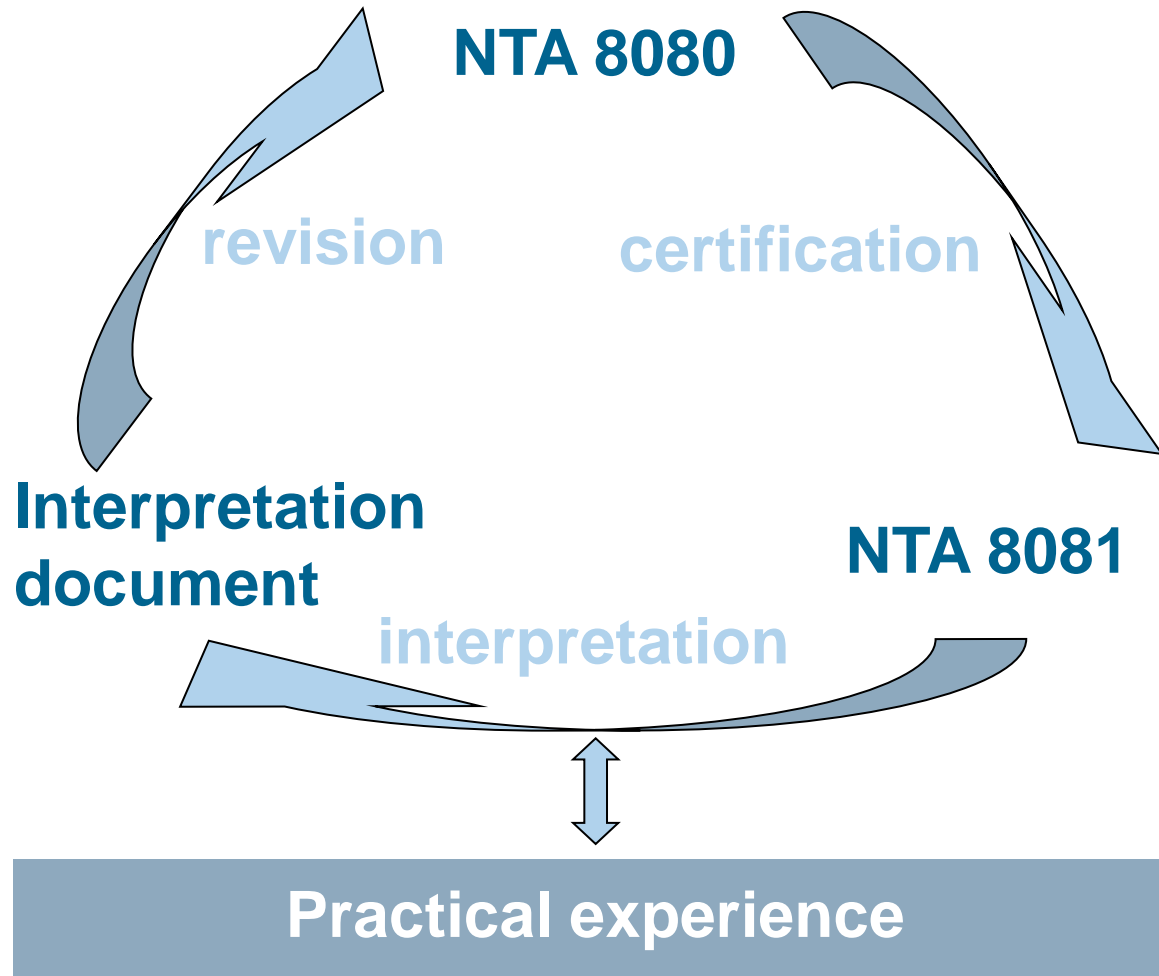
Committee of Experts (CvD) NTA 8081

Chair: Mr Gerrit van Tongeren

Experts

- Control Union Certifications
- ECN
- Electrabel Nederland
- Eneco
- Energy Pellets Moerdijk
- Essent
- IUCN Nederlands Comité
- KEMA Consultancy
- KEMA Quality
- Kiwa Certificatie en Keuringen
- LTO Noord
(on behalf of LTO Nederland)
- NAK Agro
- Natuur en Milieu
- Nuon
- Oxfam Novib
- Productschap Akkerbouw
- Quality Services Certification
- SenterNovem
- SGS
- Shell Nederland
- SMK
- Staatsbosbeheer (on behalf of Bosschap)
- VNPI

Continuous development

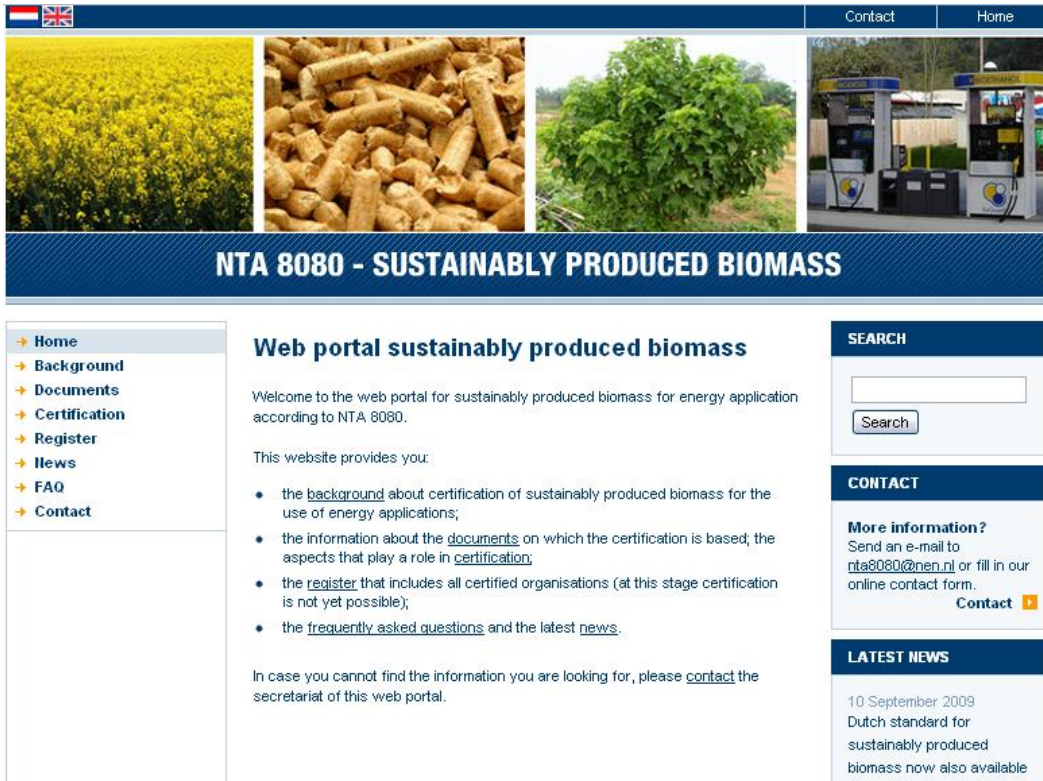


Concluding remarks

Concluding remarks

- Operational for a year (solid, liquid & gaseous)
- Setting up cooperation with partners worldwide
- Good option for Canada (domestic & export)
- Interested in pilot projects

Contact details



The screenshot shows the NTA 8080 website interface. At the top, there are flags for the Netherlands and the United Kingdom, and navigation links for 'Contact' and 'Home'. Below this is a banner with four images: a field of yellow rapeseed, a pile of wood chips, a green tree, and a biomass gasification plant. The banner text reads 'NTA 8080 - SUSTAINABLY PRODUCED BIOMASS'. On the left is a vertical navigation menu with links: Home, Background, Documents, Certification, Register, News, FAQ, and Contact. The main content area is titled 'Web portal sustainably produced biomass' and contains a welcome message, a list of services provided, and a 'contact' link. On the right, there is a search bar, a 'CONTACT' section with an email address and a 'Contact' button, and a 'LATEST NEWS' section with a date and title.

Home
→ Background
→ Documents
→ Certification
→ Register
→ News
→ FAQ
→ Contact

Web portal sustainably produced biomass

Welcome to the web portal for sustainably produced biomass for energy application according to NTA 8080.


This website provides you:

- the [background](#) about certification of sustainably produced biomass for the use of energy applications;
- the information about the [documents](#) on which the certification is based; the aspects that play a role in [certification](#);
- the [register](#) that includes all certified organisations (at this stage certification is not yet possible);
- the [frequently asked questions](#) and the latest [news](#).

In case you cannot find the information you are looking for, please [contact](#) the secretariat of this web portal.

SEARCH

CONTACT

More information?
Send an e-mail to nta8080@nen.nl or fill in our online contact form.
Contact 

LATEST NEWS

10 September 2009
Dutch standard for sustainably produced biomass now also available

NEN Energy

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E-mail newsletter!

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