

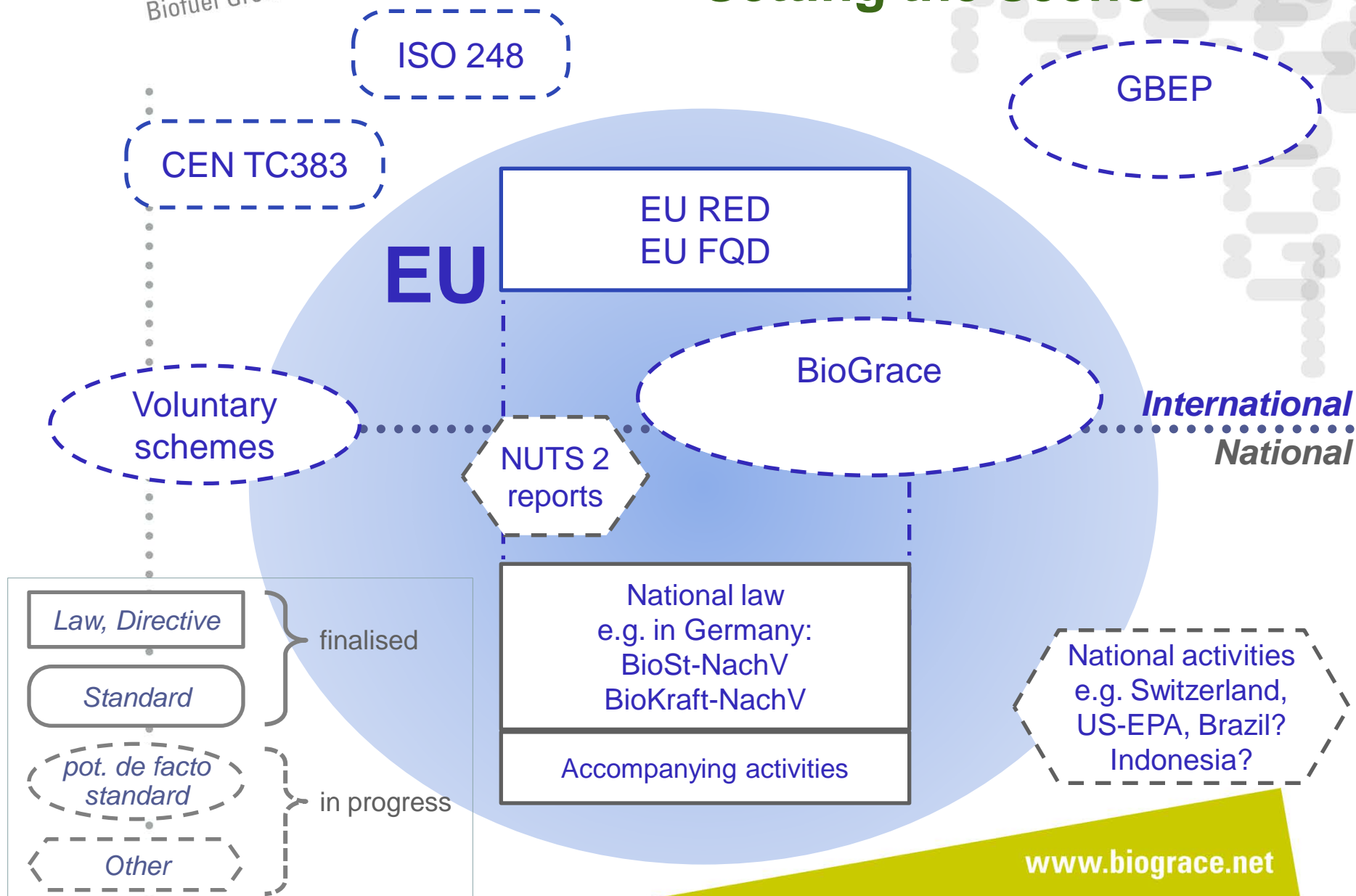
BioGrace, CEN, ISO and RED – standardisation processes and interrelations

Horst Fehrenbach
IFEU
Public workshop Heidelberg
April 14, 2011

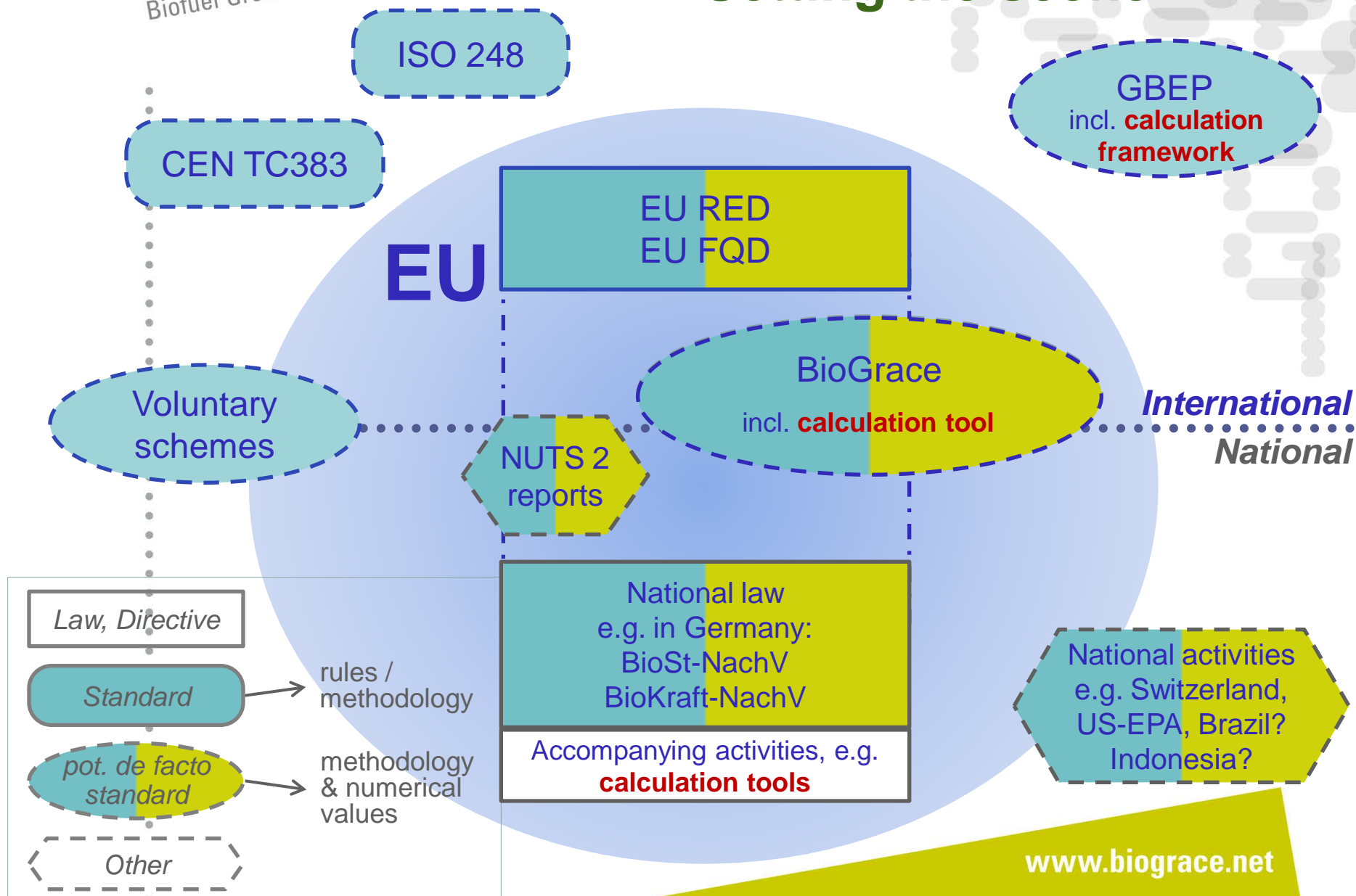
Contents

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Setting the scene



Setting the scene



Developments

- Communications (2010/C160-01, -02),
Decision 2010/335/EU
- Consultations ILUC, solid biomass
- 2 fora have been created for exchange of information
on implementation of (biofuels parts of) the RED:
 - o CA-RES
Concerted Action on Renewable Energy Sources
see www.ca-res.eu
Working Group 8 : RES in transport and biofuels
 - o REFUREC
Renewable Fuel Regulators Club
see www.refurec.org

Developments

CA-RESCONCERTED ACTION
RENEWABLE ENERGY
SOURCES DIRECTIVEwww.ca-res.eu

- Topics discussed in CA-RES (1 meeting held):
 - Legislation, voluntary schemes, audits, administrators
 - Double counting
- Next meeting in May, Lisbon → harmonisation of national systems

REFUREC renewable fuels regulators club www.refurec.org

- Topics discussed in REFUREC (4 meetings held)
 - Registers (database on biofuels supplied)
 - Mass balance
 - Double counting

Standardization: CEN TC 383

- Scope: *Sustainability produced biomass for energy applications – Principles, criteria, indicators and verifiers for biofuels and bioliquids*
- EC agreed with CEN work May 2009
- Six Working groups under TC 383
 - WG1: Terminology & cross cutting issues
 - WG2: GHG emission balance
 - WG3: Biodiversity and environmental issues
 - WG4: Economic and social aspects (*work stopped*)
 - WG5: Verification and auditing
 - WG6: Indirect effects (*work stopped*)

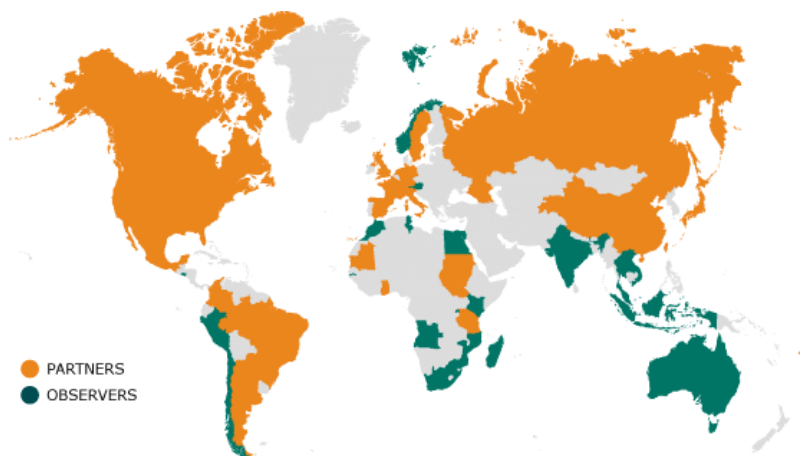
Standardization: CEN TC 383

- prEN 16214-1 Part 1: Terminology
 - Relevant terms and definitions in RED
- prEN 16214-2 Part 2: Conformity assessment including chain of custody and mass balance
 - Mass balance boundaries, accredited conformity assessment, product declarations and management system requirements
- prEN 16214-3 Part 3: Biodiversity and environmental aspects
 - Areas with nature protection purposes, highly biodiverse non-natural grasslands and peat lands
- prEN 16214-4 Part 4: Calculation of the GHG emission balance using a life cycle analysis
- March 2012/ May 2012 availability of final standards

Standardization: ISO/PC 248

- Scope: Sustainability for bioenergy
- Four working groups approved
 - WG1: Cross cutting issues (incl. terminology and verification and auditing)
 - WG2: Greenhouse gases
 - WG3: Environmental, economic and social aspects
 - WG4: Indirect effects (*work has not yet started*)
- Will result in ISO 13065 standard
- Publication of ISO standard: May 2014

Global Bioenergy Partnership (GBEP)



THE GBEP COMMON METHODOLOGICAL
FRAMEWORK FOR GHG LIFECYCLE
ANALYSIS OF BIOENERGY
VERSION ZERO



<http://www.globalbioenergy.org>

Voluntary certification schemes

- o The European Commission will recognise voluntary certification schemes
 - Commission has hired an advisor for assessments
 - Many schemes were sent in, first recognitions May 2011?
 - GHG calculation tools are also “voluntary schemes”
- o Many certification schemes exist
 - A recent study identified 67 certification initiatives on the sustainability of bio-energy
Van Dam, Junginger & Faaij,
Renewable and Sustainable Energy Reviews 14 (2010) 2445–2472
 - Most of these initiatives are not specifically developed for biofuels (e.g. forestry, agriculture)

Voluntary certification schemes

- o Schemes being developed by consortia / roundtables
 - **Bonsucro** (formerly BSI, sugarcane) – www.bettersugarcane.com
 - **ISCC** – www.iscc-system.org
 - **NTA 8080/8081** – www.sustainable-biomass.org
 - **REDcert** – www.redcert.org
 - **RSB** – www.rsb.epfl.ch
 - **RSPO** (palm oil) – www.rspo.org
 - **RTRS** (soy) – www.responsiblesoy.org
- o Schemes being developed by companies
 - **Abengoa** (RED Bioenergy Sustainability Assurance)
 - **French stakeholders** – 2BSvs
 - **Greenenergy** - www.greenenergy.com/Biofuel_sustainability
 - **Nesté Oil**
 - **Red Tractor** – www.nfuonline.com/News/Red-Tractor-scheme-proposed-for-biofuels/
 - **SEKAB/UNICA** – www.sustainableethanolinitiative.com

Red colour:
Send to EC
for recognition

Thank you for your attention

Intelligent Energy  **Europe**

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