

European certification systems for sustainable biofuels - comparison, practicability and experience gained

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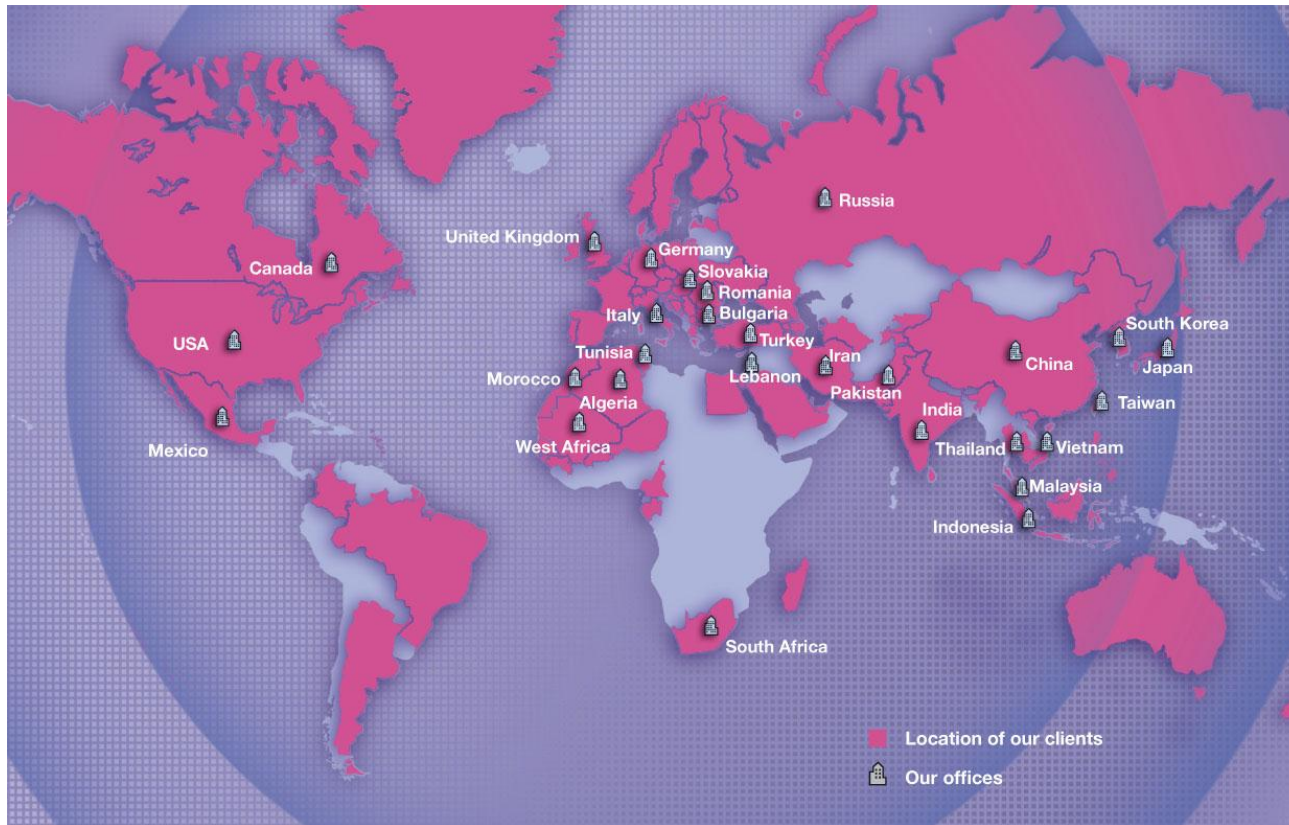
GUTcert Experience and Background

- ▶ **GUT** was founded in 1986 as an engineering and consulting company for environmental protection and in 1997 **GUTcert** developed out of it as own company
- ▶ Since 1995 **GUTcert** is acting as brand and especially active in the environmental field. It is an independent certification body with 11 environmental verifiers and about 70 auditors serving more than 700 clients at more than 1000 international destinations
- ▶ From **GUTcert** you can obtain the full range of services in a single certification audit, and from one source. Certifications particular audit matrices may cross national borders.
- ▶ To internationalize services GUTcert joined the AFNOR Group in 2008.
- ▶ AFNOR Groupe has one of the biggest international networks with subsidiaries in 29 countries and > 1.500 auditors in more than 90 countries worldwide.

AFNOR Group: Worldwide represented



Algeria
Bulgaria
Canada
China
France
Germany
Great Britain
India
Indonesia
Iran
Italy
Japan
Korea
Lebanon
Malaysia



Mexico
Morocco
Pakistan
Romania
Russia
Slovakia
South Africa
Taiwan
Thailand
Tunisia
Turkey
United States
Vietnam
West Africa

Representations in 29 countries

▶ We certify:

Our core business since 1996 is the certification of management systems according to the worldwide accepted standards of the International Organisation for Standardisation (ISO).

- ▶ Since 1996 we certify environmental management systems according to ISO 14001
- ▶ Quality management systems according to ISO 9001
- ▶ Health and Safety management systems according to BS OHSAS 18001
- ▶ Energy management systems (EnMS) according to ISO 50001

▶ We also validate:

- ▶ Environmental statements according to the European EMAS-Standard for all branches since 1995 (> 250)

- ▶ **We verify:**
 - ▶ **Emission reports** in the European emission trading scheme (EU ETS) for stationary and air traffic sources
 - ▶ **The sustainable origin of electricity, heat and Gas** and of bonuses according to the German law on renewable energies (EEG)
 - ▶ In addition, we conduct studies on the **status of sustainability** of a company based on the EFQM model and ISO 26000 (GUTcert Sustainability Check)
 - ▶ We verify **corporate and Product Carbon Footprints** according to accepted standards (PCF/CCF)
 - ▶ Finally, we also offer **legal compliance audits** and **Due Diligence** in the environmental field
 - ▶ Since 2010 as one of the first companies worldwide also **sustainable biomass**

GUTcert certificates acc. ISCC / REDcert

Type of interface	No.
First Gathering Point	13
Supplier	5
Conversion unit	19
Warehouse	2
Oil mill	4
Farms	> 200

Country	No.
Germany	20
Poland	10
Netherlands	3
Denmark	2
Malaysia	1
Indonesia	(9) in progress

International Sustainability & Carbon Certification

Certification Systems

is an internationally oriented, practical and transparent system for the certification of biomass and bioenergy, which is focused on:

- schemes for Biofuels that have been approved by the European Commission
- reduction of Greenhouse Gas emissions,
- sustainable use of land
- protection of natural biospheres and



Source: <http://www.iscc-system.org>



2BSys: biomass bioenergy system



economic operation... supply chain... voluntary scheme, independent audit, conforming to the European Directive

Source: <http://en.2bsvs.org/2bsvs/pr>



Global Biofuels

coordinated by the Energy Center at the University of Lausanne (UNIL) in Lausanne

Sustainability certification schemes for Biofuels that have been approved by BLE facilitate a global dialogue on soy production that is socially equitable and environmentally

Some of Bonsurco Members

- Bacardi
- Bayer Crop Science
- BP
- British Sugar
- Cadbury
- Coca-Cola
- Ferrero
- PepsiCo
- Shell
- Toyota Tsusho Corp
- Unica
- Unilever
- WWF

Comparison of most chosen certification systems for sustainable biofuels



Criteria

Extra requirements from RED

ISCC DE	ISCC EU	REDcert	RSB	2BSvs
Social, labor and human rights	Social, labor and human rights	No	Social, labor and human rights	No

Criteria

Geographic focus

ISCC DE	ISCC EU	REDcert	RSB	2BSvs
Global	Global	EU/ Germany	Global	EU/France

Criteria

Scheme users and cooperating CB's

ISCC DE	ca. 850
ISCC EU	6
REDcert	ca. 940
RSB	0 5 – applications
2BSvs	ca.380

ISCC DE	17
ISCC EU	17
REDcert	20
RSB	1 9 – applications
2BSvs	7

Criteria

Practical application

ISCC DE	ISCC EU	REDcert	RSB	2BSvs
<ul style="list-style-type: none"> - 3 day- Auditor training - detailed system - long check lists (19 - 47 pages) - tool for sustainability proofs - additional risk analysis 	<ul style="list-style-type: none"> - 3 day- Auditor training - shorter check lists than ISCC-DE - group certification possible - no surveillance audit 	<ul style="list-style-type: none"> - train-the-trainer - very practical - simplified documentation - short check lists (max. 9 pages) - tool for sustainability proofs - risk analysis only for agricultural enterprises 	<ul style="list-style-type: none"> - very detailed - highly theoretic - difficult to use in practice 	<ul style="list-style-type: none"> - clear structure - well received in France - specified number of audit days

Criteria

risk class	minimum % of all subsidiaries, branch offices, affiliated entities, external third parties contracted or otherwise engaged, operational structures, sites, facilities, processing and production units, and supply chain structures identified in the <i>certification scope of the participating operator</i>
1	5 %
2	7 %
3	10 %
4	13 %
5	17 %
6	25 %

RSB	2BSvs
number of members OR according to risk class**	at least 3%*

75% of group members audited are selected following a risk analysis and

25% of group members audited are selected at random.

Trend analysis

- ▶ ISCC EU – global development, increasing interest;
- ▶ REDcert – important at the european market;
- ▶ 2BSvs – rapid development at the french market, in other countries small number of participants;
- ▶ RSB – low interest, small number of participants.

In the close future demand for international certifications is expected to grow substantially due to implementation of EU regulations in all EU member countries

Recommendations

- ▶ The number of approved systems should not increase – leads to the lack of transparency
- ▶ Existing systems should be better adjusted to each other
- ▶ Better communication between systems and accreditation bodies
- ▶ Unified approach can be assured through **DIN EN 16214** - Standard for Sustainable Biomass

If you have further questions,
please refer to:

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...and my Team

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Thank you for your attention

