Energy drinks may taste the same, but they're not all produced from the same ingredients, or in the same way.

Electricity is similar: how do you know where your electricity comes from?

AIB has developed EECS, which guarantees the source of your electricity, and lets you make an informed choice.
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Dear reader of the AIB Annual Report,

The AIB is pleased to present to you its Annual Report for the year 2010. This has been a most important year, as most European countries have been working hard towards a successful implementation of the 2009 Renewable Energy Directive (2009/28/EC).

The AIB has supported this process from the outset, representing the views of its members to the EU Commission in order to improve on the existing RES Directive (2001/77/EC), further harmonising national schemes of Guarantees of Origin in order to promote a dynamic, well-functioning market.

At the same time, we have consolidated the experience that we have gained over the past 9 years and revised the EECS Rules, previously known as the “PRO”. In doing so, we have simplified the structure, bringing together all forms of electricity under a single and standardised regime; and opening the door to participating countries from outside of Europe. The new structure also allows us to support other energies, such as biogas, in the future.

The result has been that, in addition to fully supporting the 2009 RES Directive, we now have a simpler and more flexible regulatory structure; and one which will allow us to offer an improved level of support to energy traders across Europe.

The AIB has undertaken a number of other activities in support of the further strengthening of standardised energy certification GO systems in Europe. These include:

- Support for the CEN/CENELEC Task Force which is currently developing a standard for Guarantees of Origin for electricity, and which has drawn heavily upon EECS – note that EECS comprises a de facto standard; an operational system for administering the international transfer of certificates, including the required protocols to enable registry systems to work together; a set of best practice guidelines; and a set of common codes.
- Participation in the RE-DISS project and the EPED platform, which seek to improve the reliability of electricity disclosure information for consumers.
- Cooperating with other industry bodies seeking to provide a more coherent relationship between energy certificate and emission credits.
- Introducing the EECS concept to the industries of countries outside of the AIB’s membership, including Greece, Estonia, Iceland and members of the former Yugoslavia (Croatia, Bosnia and Herzegovina, Serbia, Montenegro and Kosovo).

Finally, I would like to express my thanks to our General Secretary Phil Moody, and to all members who have actively supported the work of the Association by contributing in the Working Groups, General Meetings and Board and through performing audits which ensure the high quality of the operation of the Association’s members.
ANNUAL REPORT

CHAIRMAN’S STATEMENT

EECS: an improved standard for Europe

The mission of the AIB is to be the leading enabler of international energy certificate schemes. The standardised system that the AIB provides for tracking electricity attributes is the main system used by many European countries to implement the EU Directive on Renewables (2009/28/EC - and its predecessor 2001/77/EC).

2010 provided the AIB and its members with ongoing business, as well as some new topics which are generally dealt with by special task forces, project teams or working groups. As the Chairman of the Board, I will address some of the items which the AIB has worked on during the year.

Due to the national implementations of the EU Directive on Renewables, several potential issuing bodies have expressed their interest in setting up certification schemes in their countries and creating a national standard for Guarantees of Origin. The AIB has advised, and continues to advise these potential new members on implementing a standard that meets the EECS criteria, and naturally looks forward to welcoming these issuing bodies as future members. In 2010, Croatia (HROTE), Greece (HTSO) and Germany (UBA) participated in General Meetings of the AIB as observers. In order to attract potentially interested organisations, the 2010 General Meetings were held at locations which were considered convenient for potential member organisations, including Tallinn and Dubrovnik.

Much of the work of the Association has revolved around completing the task of revising the EECS Rules to support the new Directive, and to do so in a way which is not only simpler than in the past; but also allows us to, in the future, consider supporting energies other than electricity; as well as adding a number of improvements to the system. This task is now close to completion: we are now addressing transition to the new EECS Rules and anticipate going live with these in late summer 2011.

At the beginning of 2010 CEN, the European Committee for Standardisation; and CENELEC, the European Committee for Electrotechnical Standardisation, requested the help of the AIB to set up a standard for Guarantees of Origin for electricity. This led to the active involvement of the AIB, to the extent that the draft of this standard leans heavily upon EECS. The AIB is positive about the CEN standard, as it reconfirms the quality of EECS as a standard and strengthens the position of EECS as the main standard used in Europe.

EPED, the European Platform for Energy Disclosure, has joined forces with the EU Commission-backed RE-DISS project, which aims to make more reliable and accurate the information given to European consumers regarding the origin of their electricity. The deliverables of RE-DISS are a methodology and best practices, and calculations of residual mixes, which are prepared using Guarantees of Origin for renewable electricity and high-efficient cogeneration. At the end of RE-DISS, AIB and EPED will continue to support and improve the best practice recommendations and residual mix calculations.

The AIB continues to strive for further improvement and facilitation of international certificate trade. The AIB’s HUB, its technical solution for exchanging certificates between members, is being redeveloped by Atos Origin. The new service will come into operation during summer 2011 in order to support changes to the EU Directive and to accommodate the new and improved EECS Rules. Furthermore, the new HUB will offer more reporting facilities, which enables the AIB to provide more relevant information to the market.

All of this would not have been possible without the extensive efforts and work of our current members and therefore I would like to thank everyone who has put in this effort. Most of the work for AIB is done on a voluntary basis, and time is a very limited resource for many of our members. I am proud of the team that we have and the expertise and experience, but also the enthusiasm that members bring to the table. It is always a pleasure to work in such a positive environment.

March 2011
CERTIFICATE ACTIVITY FOR 2010

MEMBERSHIP
AIB now has a total of 18 members, representing 16 countries (each of the Walloonia, Flanders and Brussels regions has a dedicated issuing body).
There were no new memberships in 2010 (although several are anticipated in 2011). Existing members extending their memberships in terms of scheme participation were: at the Lisbon meeting, Energiernet.dk (DK) was accepted as a CHP GO member.

MARKET ACTIVITY
Over the past year market activity has continued to increase. Certificates are increasingly used by suppliers to prove the source of electricity, and this has again led to significant increases in internal trade and cancellation: indeed, cancellation has risen by 39% in the past year. This means that more and more certificates are finding a value. The number of certificates cancelled was 110% of the number produced in 2009, compared with 69% the previous years, and a fairly constant 52% over the preceding five years. This clearly demonstrates that market parties are using up their stocks of certificates, perhaps in response to the requirement under the EU Renewable Energy Directive (2009/28/EC) for certificates to expire within 12 months of production of the associated energy. We have yet to finalise the number of issued certificates for electricity produced during 2009, and we anticipate a higher final number of certificates issued for this production year than that shown in the graph. However, it looks certain that less certificates will have been issued in 2010 than in previous years, probably due to reduced rainfall leading to lower reservoir levels in hydroelectricity schemes.

Source of certificates – technology / energy sources
The number of certificates issued for nuclear electricity was not available at the time of preparation of this report (These are issued retrospectively in the year after the production of the associated electricity). Ignoring this, hydropower continues to hold sway as the major source of electricity for which certificates are issued and, increasingly, cancelled. However, the proportion of biomass and wind certificate issued has increased; while the proportion of certificates cancelled has increased for biomass and that of wind has decreased.
CERTIFICATE ACTIVITY FOR 2010

Source of certificates – country

Regarding national activity, Sweden and Norway are by far the major suppliers of certificates, supplying 93% of all certificates issued, followed by Austria, Finland and the Netherlands.

Sweden and Belgium are now the major consumers, cancelling 49% of all certificates; followed by Germany, Netherlands and Norway, cancelling a further 37%.

Annual activity

Activity has continued to increase since 2009, most activities being relatively evenly distributed between months. However, the effect of national cancellation deadlines is now becoming apparent, including:

- January — Austria
- February — Norway, Flanders and Germany
- May / June — Sweden and Flanders
- December — Wallonia.

Cumulative activity – national

As the following graphs demonstrate, the growth in Nordic issuing – and of issuing in general - has now flattened out, although the issuing of certificates for the remaining 2010 production is likely to continue into 2011.

Cancellation continues to grow, reflecting growing consumption in a number of countries during 2010, particularly Belgium.
CERTIFICATE ACTIVITY FOR 2010

Internal use of certificates continues to rise, with Austria and Italy now making a marked contribution.

Externally, there is little difference in activity between the exporting (predominantly Nordic) countries, except that these have now been joined by Austria and Belgium. However, the contribution of individual importers continues to change: Belgium has now become the major importer, followed by the Nordic region, then Germany, the Netherlands and Austria.

Cumulative activity – technology

From the perspective of technology, production and transfer of electricity from hydropower remain predominant among energies, followed by wind and biomass. Note that while statistics for the issuing of certificates for nuclear electricity are not yet available (as mentioned earlier they are issued retrospectively, in the year after the production of the associated electricity), it is anticipated that there will be similar activity to previous years.
CERTIFICATE ACTIVITY FOR 2010

However, this ignores the contribution of nuclear certificates, which are issued and cancelled by their producer (for disclosure purposes) without being transferred.

EECS market penetration

It is worth comparing the RES production in member countries with the number of EECS certificates issued. In the absence of conclusive and reliable statistics regarding the production of electricity during 2010, the following graphs relate to electricity produced in 2009. These show that (with the exception of Norway, Sweden and the Netherlands) AIB still has some way to go if it is to fully reflect the market in renewables. However, it is gratifying to see that some member countries, such as Belgium and Denmark, have made significant strides to realise their potential within EECS.
CERTIFICATE ACTIVITY FOR 2010

The following graphs, also relating to 2009 production, show clearly that AIB members cover regions which, during 2009, were responsible for the production of 74% of all European electricity; and for 87% of renewable source electricity. Hence the 73% of renewable source electricity for which certificates were not issued was either:

1 - produced by a country which is not yet a member of AIB; or
2 - produced by a member of AIB which does not yet support EECS for all forms of certificate, or which does not yet support EECS for some production (e.g. only for external trade); or
3 - not certified, due to lack of demand; or
4 - not certifiable, as it has received support and this electricity is included in the mix supplied to consumers.
2010 ACHIEVEMENTS

AUDITS
During 2010, less audits were conducted than had been anticipated, with two reviews being completed during the year for:

• Denmark: Energinet.dk was audited by GCC (Ireland) and Agencija za energijo Republike Slovenije (SI).
• Switzerland: the audit of Swissgrid by Grexel (SE) and CWAPE (BE-W), commenced in 2009, was completed.

The aim of these reviews is to check the practical implementation of a Domain Protocol by the corresponding issuing body. The most frequent observations of these peer reviews is that Domain Protocols are too general compared with the actual and specific practice of the Issuing Bodies, and need to be better tailored to the day to day business of the IBs.

These peer reviews also enable exchange of practical knowledge about processes, which is very beneficial to members, and offers an excellent opportunity to report to the General Meeting of the AIB general issues which are of relevance to all members.
EXTERNAL LIFE

MARKET COMMITTEE
In September 2010, the third AIB Market Committee was held – this time in Dubrovnik. This continues the tradition of AIB and RECS International exchanging views at the level of their Boards and their members.

The Market Committee is the forum where AIB informs and consults the users of the energy certificate systems about an adequate further development of the EECS; and seeks their input to the process, and ideas for further enhancements.

Issues addressed at the Dubrovnik meeting included:
• an overview of the issues raised and resolved during the ongoing revision of the EECS Rules, in the transition to implementing the new RES Directive; and enhancing EECS;
• discussion of the practical approach promoted by AIB to the provisions of the new RES Directive (2009/28/EC) concerning restricting the lifetime of renewable energy Guarantees of Origin; and
• an update on:
  – progress with the redevelopment of the AIB Hub, which will provide improved support for the transfer of certificates between the registries; and
  – the fee structures of the AIB and its members.

AIB holds at least one Market Committee every year, in order to maintain a good and structured dialogue with the users of EECS. In this way, emerging issues can be identified and resolved at an early date.

The next such meeting is planned for September 2011.

PARTICIPATION IN PROJECTS: RE-DISS AND EPED
The AIB has continued to contribute to the Advisory Group of the E-TRACK and RE-DISS projects. This sequence of European projects aims to improve the coordination of the design and usage of Guarantees of Origin and other tracking systems, across Europe and thus improving the reliability of information provided to consumers about the origin of electricity.

After the successful completion of the E-TRACK project (see http://www.e-track-project.org), a new project commenced in April 2010, called “Reliable Disclosure Systems for Europe (RE-DISS)” (see http://www.reliable-disclosure.org). Similar as E-TRACK, this project is also supported by the Intelligent Energy Programme of the European Union, and is similarly coordinated by Öko-Institut.

Based on the E-TRACK recommendations, the new RE-DISS project aims to provide active support to the Competent Bodies of the European Union and neighbouring countries, helping them to implement advanced systems of Guarantees of Origin and electricity disclosure.

Besides the corporate membership of AIB in the Advisory Group of the RE-DISS project, several AIB members form part of the RE-DISS project consortium.

While RE-DISS has temporarily taken over the activities of the “European Platform for Electricity Disclosure” (EPED – see http://www.eped.org); EPED will be revived and will further its coordination activities following the termination of the RE-DISS project in 2012.

INTERNAL LIFE

OFFICIALS
The decision-making body of the AIB is the General Meeting, which meets quarterly at various locations in Europe. Meetings tend to be over a two-day period, to enable decisions to be made at working and executive level. Normally, there is a social event associated with meetings, usually a dinner, giving members the opportunity for informal discussions.

The President of the Association is Christof Timpe of Öko-Institut, Germany.

The General Meeting, Board and working groups are supported by the Secretariat; the Secretary General being Phil Moody of UK. Phil is assisted by Anne Cathrine Petersen of EdiSys regarding Working Group Systems; and by Lisbeth Rasmussen Poulsen concerning Working Group External Affairs.

The Management Board is responsible for day-to-day management of the Association, and meets monthly, alternating physical meetings with teleconferences. The general cycle of meetings is organised so that budgetary plans are approved at the December General Meeting. In 2010, Gineke van Dijk of CertiQ, Netherlands, was reappointed as chairman of the Board (Diane Lescot of...
INTERNAL LIFE

Observ’ER, France, was reappointed to the Board and was its temporary chairman for three months over the summer.

The other Board members were Natascia Falcucci of GSE, Italy (who was reappointed); Thierry van Craenenbroeck of VREG, Flanders; Louise Renne Christensen of Energinet.dk, Denmark; and Lukas Groebke of Swissgrid, Switzerland.

WORKING GROUPS AND TASK FORCES

Workgroup Internal Affairs (internal regulation of the Association, and administration and development of the EECS standard) — chaired by Pierre-Yves Cornelis (as last year) plus Rolf Jorgensen of Statnett, Norway

In 2010, the working group focused on drafting the new EECS Rules.

Based on the experience gained with 10 years of practice of the former Procedures and Rules of operations (PRO), the EECS Rules are fully compatible with the 2009/28/EC Renewable Energy Directive, and now provide for the expiry of RES GOs and support the additional fields resulting from this Directive:
• A standard face value of 1MWh;
• The identity, location, capacity and date operational of the production facility;
• The source of the produced energy; and
• The date and country of issue, and the identity of the competent body

Other improvements to EECS include eco-labelling provisions on guarantees of origin (called independent criteria schemes) in order to accommodate for example sustainability criteria for inputs or for supplied electricity; allowing for other mediums of energy besides electricity; reducing the number of electricity certificates to one; and permitting each issuing body to hold, transfer and cancel all kinds of certificates, etc.

Special attention was given to efficiency, robustness, functional correctness and security of certificate management practices. Improvements were also made to the treatment of electricity consumed by auxiliaries, multifuels, the content of cancellation statements and interconnection to the upgraded Hub.

The December General Meeting approved the final pieces of this puzzle.

Moreover, WGIA verified that internal regulations of the association could still cope with these changes. This will impact votes and fees, but that is a task for next year; together with implementing the new rules – and the new Hub - in a live environment.

Function of Workgroup Internal Affairs

WGIA provides members and subgroups with legal ad-
vice relating to AIB activities and strategy, to an effective relationship between AIB and its members, and to cooperation with third parties.

Legal advice is also provided concerning matters such as AIB intellectual property and the resolution of disputes relating to the internal governance of the Association.

In addition, assistance is also given to prospective members.

Working Group Systems (interfaces between computer systems) — chaired by Ed Everson, of GCC, UK

Working Group Systems is responsible for development and maintenance of interfaces between registries and the overall functionality and management of the Hub service. Related issues, such as common registry functionality and data visibility, also fall within the remit of this group.

AIB standards continue to evolve, with support for new certificate types and modifications to data requirements for existing certificates regularly featuring on the agenda. As the scope of the various registries and hub service continue to evolve, the working group works hard to ensure that releases are managed and coordinated to minimise impact on registry operators whilst at the same time meeting the requirements of other stakeholders such as traders.

2010 saw significant progress in the procurement and development of a new Hub, providing the central exchange service for international transactions. Due to be rolled out during 2011, the new Hub will provide a number of enhancements over the existing service, focussed on resilience, flexibility, monitoring and support, with improved user interfaces and testing facilities for registry operators. Other changes expected for 2011 include updates to the EECS standard that may impact on data structure and exchange.

Working Group External Affairs (provision of information) — chaired by Diane Lescot, of Observ’ER, France and Claudia Delmirani of GSE, Italy

The focus of the regular activities of Working Group External Affairs during 2010 was to make available the activities of the Association through the publication of newsletters and press releases. The Working Group had four official members and one observer, who continuously improved and worked on information for members; and upon recruiting new members. This information related to events, and other relevant matters such as new trader accounts and analyses of certificate activities.

One of the best ways to interact with the outside world is to try to understand what information the public requires; and therefore the group has actively conducted surveys designed to focus on the choices of the needed information.

The main activities handled by the WGEA are: coordination of the newsletters that are periodically sent to all members of the Association; the publication of this annual report and monitoring of the website. This is especially important in 2011, when the colour, graphics and content of the website will be fundamentally restyled.

One of the objectives of this Working Group for the next year is the creation of different information channels, through which to make comprehensible matters relating to energy certification.
ANNUAL REPORT 2010

March 2011

SUMMARY
Income in 2010 exceeded expenditure by €136,567, income being €116,391 more than had been forecast; while expenditure was €169,549 under the allocated budget. This has enabled AIB to increase its cash reserves to €359,224.

Position against budget

Income
Income was €116,391 over the allocated budget. This was due to greater levels of activity than expected in Austria, Belgium (Flanders), Denmark, Finland, France, Italy and Portugal, and Denmark unexpectedly joining the CHP GO scheme; despite lower levels of activity than expected in Belgium (Wallonia), Germany, the Netherlands, Norway, Slovenia, Spain, Sweden and Switzerland.

Expenditure
In total, expenditure was €169,549 under the allocated budget.

Administrative costs were €16,048 lower than expected. This was due to lower costs than anticipated for the secretariat (€9,000); EPED contribution (€5,093); expenses (€2,914); and by banking costs being more than covered by interest received (a variance of €91); although this was offset a little by regulatory advice (€1,050).

Workgroup Internal Affairs spent €16,300 less than its allocated budget, principally due to nothing being spent on legal advice or audit; although this was offset to an extent by an overrun of €9,500 relating to technical support and attributable to a higher workload that had been anticipated drafting the CEN standard.

Workgroup External Affairs expenditure was €7,159 under the allocated budget, being due to the lower than expected costs of printing (€3,224), artwork (€3,106) and trademarking of EECS (€829).

Within Workgroup Systems and Task Force Hub, costs were €130,042 less than expected: Hub expenditure was €117,850 lower than the allocated budget, due to the delay in developing and implementing the new Hub, although this was somewhat offset by the need for further technical support for Task Force Hub; while there were lower costs than expected in association with secretarial support (€12,192).

Position at Jyske Bank
2010 commenced with €231,347 brought forward in the bank account. Receipts of €480,563 for membership and meeting attendance fees plus VAT refunds of €38,316, RECS contribution to EPED (€12,000) and bank interest of €947 were offset by expenditure of €403,949 resulting in €359,224 carried forward to 2011.

Invoices have now been received for all work commissioned during this period; €41,346 being set aside for invoices that had, at the beginning of the year, been received but had not yet been paid.

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<th>BUDGET / ACTUAL INCOME AND EXPENDITURE</th>
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<tr>
<th>Annual costs</th>
<th>Budget</th>
<th>Actual</th>
<th>Variance</th>
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<tbody>
<tr>
<td>Administration</td>
<td>224,940</td>
<td>208,892</td>
<td>16,048</td>
</tr>
<tr>
<td>Working Group Internal Affairs</td>
<td>85,800</td>
<td>69,500</td>
<td>16,300</td>
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<tr>
<td>Working Group External Affairs</td>
<td>38,298</td>
<td>31,139</td>
<td>7,159</td>
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<tr>
<td>Working Group Systems</td>
<td>185,735</td>
<td>55,693</td>
<td>130,042</td>
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<tr>
<td>Total expenditure 2010</td>
<td>534,773</td>
<td>365,224</td>
<td>169,549</td>
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</table>

<table>
<thead>
<tr>
<th>Annual income</th>
<th>Budget</th>
<th>Actual</th>
<th>Variance</th>
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</thead>
<tbody>
<tr>
<td>Total income 2010</td>
<td>385,400</td>
<td>501,791</td>
<td>116,391</td>
</tr>
</tbody>
</table>
1. Name of the company
E-Control GmbH

2. Area of operation
Austria

3. Profile of the organisation (NGO, TSO, Regulator...)
E-Control is the regulatory authority for the Austrian electricity and gas markets.

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
The Austrian GO Database was established in 2002. Several revisions have been made since then.
E-Control is member of two EECS certificate schemes: Guarantees of Origin (EECS GO) for electricity production from renewable energy; and EECS RECS certificates. The main focus is on Guarantees of Origin (GoO), because this is the only type of certificate that is precisely defined in the EU Directive (2001/77/EG and 2009/28/EG).
Participation in the EECS CHP-GO scheme would depend upon demand from the market. So far, there has not been much interest in importing and exporting CHP-GOs from Austrian market participants.

5. Scope of national participation in EECS

<table>
<thead>
<tr>
<th>Number of registered scheme participants (signed STCs)</th>
<th>6</th>
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<tbody>
<tr>
<td>Registered production devices and total capacity installed (estimated)</td>
<td></td>
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<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>390</td>
<td>3,300</td>
</tr>
</tbody>
</table>
Registered production devices and total capacity installed per technology (estimated)

<table>
<thead>
<tr>
<th>Technology</th>
<th>Number of production devices</th>
<th>Total capacity installed per technology (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydro (preliminary data)</td>
<td>350</td>
<td>3,000</td>
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<tr>
<td>Others</td>
<td>40</td>
<td>300</td>
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</tbody>
</table>

Certified EECS production as compared to national RES production (prognosis)

<table>
<thead>
<tr>
<th>EECS RES production (TWh)</th>
<th>National RES production into public grid (TWh)</th>
<th>National RES production total (TWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>42.5</td>
<td>46</td>
</tr>
</tbody>
</table>

6. Member of the AIB

E-Control joined the AIB in the summer 2001 in the course of the Helsinki General Meeting. Ever since then, E Control has actively contributed to the development of the Association. For instance, Walter Boltz, Managing Director of E-Control, headed the AIB as its President from the summer of 2004 until summer 2006.

7. Activities within the AIB - eg. WGEA, EPED, etc.

E-Control is represented in the AIB by Christian Schoenbauer and Angela Puchbauer-Schnabel, who are members of Working Group Internal Affairs.

E-Control also participates in the RE-DISS project, again being represented by Christian Schoenbauer and Angela Puchbauer-Schnabel.

8. News and perspective regarding the national IB

E-Control will continue its efforts to develop and promote a transparent system.

Once a market for CHP Certificates has developed, E-Control will join this scheme.

9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)

The new EU Directive 2009/28/EG requires a number of adjustments at both national and AIB level. The Austrian national electricity act (EIWOG, Elektrizitaetswirtschafts- und Organisationsgesetz) is under revision, and was implemented at the end of 2010. This will result in some adaptation of the Austrian disclosure system.

10. What are the benefits to the company of being part of the AIB?

“AIB is an excellent platform for exchange of good practices between Issuing Bodies. The members are working on Europe-wide transparent implementation of the electronic system for Guaranties of Origin. By being part of the team, this enables E-Control to participate in the implementation of a reliable system” says Christian Schoenbauer.
1. Name of the company
BRUGEL

2. Area of operation
Brussels region, Belgium

3. Profile of the organisation (NGO, TSO, Regulator...)
Regulator. For the Brussels region, BRUGEL is the body in charge of regulating the electricity and gas markets. Its role is to provide good advice and guidance to public authorities. While the federal regulator keeps other statutory powers (e.g. transport, tariffs, nuclear power), BRUGEL is the sole authority in charge of distribution, public service obligations, generation from renewable energy sources or combined heat and power systems (CHP).

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
BRUGEL was accepted into the EECS RES GO scheme in September 2008.

5. Scope of national participation in EECS
Guaranties of Origin are issued according to Brussels legal texts.
However, for the moment, all renewable and CHP electricity produced by the current production devices is, or is considered as, directly consumed by the producer. Hence, the corresponding Guarantees of Origin are immediately cancelled. As a result, these GOs cannot be the object of a transaction, nor can they be used for disclosure purposes. Consequently, they do not enter the EECS-GO-scheme.

### Number of registered scheme participants (signed STCs)
Unavailable

### Registered production devices and total capacity installed (estimated)

<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unavailable</td>
<td>Unavailable</td>
</tr>
</tbody>
</table>

Pascal Misselyn

**Pascal Misselyn**
tel: +32 2 563 0202
fax: +32 2 563 0213
e-mail: pmisselyn@brugel.irisnet.be

BRUGEL, Energy Regulation Commission in the Brussels-Capital Region
Gulledelle 92 | B-1200 Brussels | Belgium
website: www.brugel.be
Registered production devices and total capacity installed per technology (estimated)

<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed per technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unavailable</td>
<td>Unavailable</td>
</tr>
</tbody>
</table>

Certified EECS production as compared to national RES production (prognosis)

<table>
<thead>
<tr>
<th>EECS RES production</th>
<th>National RES production</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unavailable</td>
<td>Not yet known for 2010</td>
</tr>
</tbody>
</table>

6. Member of the AIB

BRUGEL has been a member of the AIB since 2008.

7. Activities within the AIB - eg. WGEA, EPED, etc.

BRUGEL was a member of the working group external affairs until mid 2009.

8. News and perspective regarding the national IB

9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)

A support mechanism has been in place since 2004 for the generation of renewable and CHP electricity (considered locally as “green electricity”) in the form of green certificates. A green certificates quota obligation is imposed on suppliers and managed by BRUGEL. The support mechanism is linked to that of Wallonia, in that suppliers can give Walloon green certificates for their Brussels quota obligation if all Brussels green certificates have been used.

Brussels has implemented guarantees of origin (GO) since January 1st 2007, in order to allow suppliers to inform final customers about the source of electricity (GOs being used as disclosure certificates). Each final customer would be able to choose between electricity products containing various proportions of renewable and/or high efficiency CHP electricity based on GOs.

10. What are the benefits to the company of being part of the AIB?

“Being part of AIB enables BRUGEL to participate in the implementation of a harmonised certificate system, and to benefit from the sharing of experiences of all the actors involved” says Pascal Misselyn.
1. Name of the company
Issuing body for guarantees of origin in Flanders is VREG (Vlaamse Reguleringsinstantie voor de Elektriciteits- en Gasmarkt).

2. Area of operation
Flanders (Belgium)

3. Profile of the organisation (NGO, TSO, Regulator...)
Regulator for electricity and gas

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
EECS GOs

5. Scope of national participation in EECS

| Number of registered scheme participants (signed STCs) | Approx. 400 |

Registered production devices and total capacity installed (estimated)

<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50,000</td>
<td>1,100</td>
</tr>
</tbody>
</table>

Registered production devices and total capacity installed per technology (as of November 30th 2009)

<table>
<thead>
<tr>
<th>Technology</th>
<th>Number of production devices</th>
<th>Total capacity installed per technology (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomass (agricultural, forestry)</td>
<td>27</td>
<td>232</td>
</tr>
<tr>
<td>Biomass (municipal waste)</td>
<td>9</td>
<td>42</td>
</tr>
<tr>
<td>Biomass (other waste)</td>
<td>13</td>
<td>233</td>
</tr>
<tr>
<td>Solar</td>
<td>46,336</td>
<td>236</td>
</tr>
<tr>
<td>Wind (on-shore)</td>
<td>58</td>
<td>213</td>
</tr>
<tr>
<td>Hydro</td>
<td>15</td>
<td>1</td>
</tr>
<tr>
<td>Biogas (sewage)</td>
<td>15</td>
<td>4</td>
</tr>
<tr>
<td>Biogas (landfill)</td>
<td>13</td>
<td>19</td>
</tr>
<tr>
<td>Biogas (other)</td>
<td>43</td>
<td>69</td>
</tr>
</tbody>
</table>

Thierry Van Craenenbroeck
Technical director
tel: +32 2 553 13 59
fax: +32 2 553 13 50
email: thierry.vancraenenbroeck@vreg.be

Vlaamse Reguleringsinstantie voor de Elektriciteits- en Gasmarkt
Graaf de Ferrarisgebouw | Koning Albert II-laan 20 bus 19 | 1000 Brussel | Belgium
website: www.vreg.be
Certified EECS production as compared to national RES production

<table>
<thead>
<tr>
<th>Prod. year</th>
<th>Certified EECS production (TWh)</th>
<th>National RES production (TWh)</th>
<th>Share of EECS on national RES production (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>1.68</td>
<td>2.01</td>
<td>84</td>
</tr>
<tr>
<td>2009</td>
<td>1.48</td>
<td>1.90</td>
<td>78</td>
</tr>
</tbody>
</table>

6. Member of the AIB
VREG is member of the AIB since 2006.

7. Activities within the AIB - eg. WGEA, EPED, etc.
Board: Thierry Van Craenenbroeck
WGIA: Liesbeth Switten (alternate: Katrien Verwimp)
WGS: Katrien Verwimp
EPED/
RE-DISS: Thierry Van Craenenbroeck

8. News and perspective regarding the national IB
The implementation of the RES Directive 2009/28 is in progress. Automation of production reports, transfer and issuing of certificates is being continued in order to increase the efficiency of the certificate system.

9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)
In Flanders, certificates are used for production support and disclosure. Taking the opportunity to adjust the framework set out by the new RES Directive (2009/28/EC), the hybrid certificate system will be left in the course of 2011 and both functionalities will be decoupled. This will make markets more transparent and offer more flexibility to suppliers.

10. What are the benefits to the company of being part of the AIB?
Thierry van Craenenbroeck, VREG’s Technical Director and Treasurer of the AIB, says “VREG’s membership of the AIB allows Flemish disclosed electricity to be nine times greener than in the case of Flemish-only green electricity supply without imported GOs (in 2009, 2.2 million Flemish green GOs were issued; while 19.8 million kWh were disclosed as true green GOs)”. 
1. **Name of the company**
   Commission wallonne pour l’Énergie (CWAPE)

2. **Area of operation**
   Wallonia (Belgium)

3. **Profile of the organisation (NGO, TSO, Regulator...)**
   Regulator of electricity and gas, in charge of enforcing public services obligations and distribution regulations, and implementing renewable support system.

4. **Scheme membership - eg. EECS GOs, EECS RECS, etc.**
   Scheme member of EECS GO (both for single certificate and multi-certificates schemes) since 2009.

5. **Scope of national participation in EECS**

| Number of registered scheme participants | 123 |

Registered production devices and total capacity installed

<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>206</td>
<td>738</td>
</tr>
</tbody>
</table>

Registered production devices and total capacity installed per technology

<table>
<thead>
<tr>
<th>Technology</th>
<th>Number of production devices</th>
<th>Total capacity installed (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHP</td>
<td>40</td>
<td>240</td>
</tr>
<tr>
<td>Non CHP</td>
<td>34</td>
<td>148</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>92</td>
</tr>
<tr>
<td>Wind</td>
<td>51</td>
<td>390</td>
</tr>
<tr>
<td>Hydro</td>
<td>67</td>
<td>109</td>
</tr>
<tr>
<td>Solar</td>
<td>48</td>
<td>0.23</td>
</tr>
</tbody>
</table>
Certified EECS production as compared to RES production in domain (estimated)

<table>
<thead>
<tr>
<th>EECS RES production (est. TWh)</th>
<th>RES production in Domain (est. TWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,65</td>
<td>2,35</td>
</tr>
</tbody>
</table>

6. Member of the AIB

Member of AIB since 2007.

7. Activities within the AIB - eg. WGEA, EPED, etc.

WGIA: PY Cornélis, chairman
EPED: member

8. News and perspective regarding the national IB

Our processes and database have been enhanced to handle numerous photovoltaic plants on-line and the assignment of first line contact for small producers to Distribution Grid Operators.

Larger generators have started using our extranet in 2010, which formally allows them to use EECS.

CWAPE is considering whether to transform local CHP GO into EECS CHP GO. The legal framework for issuing biogas GOs is in place, although no project is running yet.

9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)

Support

• Context: the current support system, based on green certificates (i.e. specific support certificates), has demonstrated its efficiency in developing affordable renewable and CHP. This support is based on the extra costs (when compared to conventional plants) of the technology (banding) and the measured environmental performance of the individual plant (avoided CO₂ emissions).

• Quota: for 2010 until 2012, the quota is set to 11.25%, 13.50% and 15.75%. Beyond, discussions on the yearly increase are still ongoing based on a proposal by CWAPE to reach at least 33% by 2020. The delaying of an agreement between the Regions and the Federal Government on the national burden-sharing.

• Joint schemes within Belgium: The scope of discussions between regions might include extending the mutual recognition of green certificates already applied between Wallonia and Brussels to Flanders and federal off-shore wind.

• Review of support level: Every 3 years, the support level granted to generators by way of green certificates is assessed for each technology. The number of green certificates issued for each MWh will be adapted accordingly for new plants set up for the next period. It is widely expected that small PV will receive fewer support certificates per MWh than now.

• New installations: About 15,000 new small (< 10kW) photovoltaic plants were set up in 2010. A similar figure is expected for 2011. A tiny proportion (up to 50 producers) might be interested in EECS. More than 80 plants (biomass, hydro, wind...) up to 20 MW were commissioned last year. Most plants until last year were very small but clarification of regulations will allow start-up of many larger PV plants.

• Sustainability criteria: Wallonia has been actively applying demanding sustainability criteria since 2002, especially for solid and liquid biomass. Implementation of Directive will increase supply of sustainable biomass by the virtue of harmonisation.

Disclosure

From good practices exchanged in EPED and RE-DISS, a few improvements to our disclosure system will be introduced this year (e.g. mandatory GO cancellation prior to fuel mix declaration). On the other hand, monthly reporting to regulator of renewable products and monthly cancellation of guarantees of origin for those products remain. It is also becoming clear to the Government that maintaining the existing tax deduction based solely on renewable fuel mix is not sustainable.

10. What are the benefits of being part of the AIB to the company?

“Membership of AIB gives us insight into likely issues affecting our energy market due to varying degrees of implementation of Energy and Renewable Directives across Europe it allows us to better anticipate their effects.” says Olivier Squilbin, Director for promotion of renewable energy.
1. Name of the company
Energinet.dk

2. Area of operation
Denmark

3. Profile of the organisation (NGO, TSO, Regulator...)
Energinet.dk is the Danish transmission system operator, and operates as an independent public enterprise. Energinet.dk owns the main electricity and natural gas grids in Denmark, and is responsible for maintaining security of supply and ensuring efficient electricity and gas markets as well as the integration of renewable energy. Energinet.dk is appointed by Executive orders in accordance with the Danish Electricity Law: to issue Guarantees of Origin; to prepare general declarations for the average electricity supply; and to lay down conditions and guidelines for individual declarations on specific electricity supply.

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
Energinet.dk is the Danish issuing body, issuing the following under EECS:
• Guarantees of Origin for RES-E
• Guarantee of Origin for Cogeneration and
• RECS-certificates.

5. Scope of national participation in EECS

<table>
<thead>
<tr>
<th>Number of registered scheme participants</th>
<th>18</th>
</tr>
</thead>
</table>

Registered production devices and total capacity installed

<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,277</td>
<td>2,617</td>
</tr>
</tbody>
</table>
Registered production devices and total capacity installed per technology

<table>
<thead>
<tr>
<th>Technology</th>
<th>Number of production devices</th>
<th>Total capacity installed per technology (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wind turbines</td>
<td>2,276</td>
<td>2,565</td>
</tr>
<tr>
<td>Waste-fired plant</td>
<td>1</td>
<td>52</td>
</tr>
</tbody>
</table>

Certified EECS production as compared to national RES production

<table>
<thead>
<tr>
<th>EECS RES production</th>
<th>National RES production</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,617</td>
<td>-</td>
</tr>
</tbody>
</table>

6. Member of the AIB

Energinet.dk is among the founding members of the AIB, becoming a member of the following schemes:
• RECS, in 2002
• Guarantees of Origin RES-E, in 2004
• Guarantees of Origin for Cogeneration, in 2010.

7. Activities within the AIB - eg. WGEA, EPED, etc.

Energinet.dk is represented in the AIB by Louise Rønne Christensen, who is Board member of the AIB and member of the AIB Working Group Internal Affairs.
Lisbeth Rasmussen represents Energinet.dk in the AIB Working Group External Affairs.
Furthermore, Christian Friberg B. Nielsen represents Energinet.dk in the EPED group - European Platform for Electricity Disclosure.

8. News and perspective regarding the national IB

In April 2010, Energinet.dk introduced CMO.grexel as the new central registration database for EECS certificates. CMO.grexel fully complies with the Danish Domain Protocol.

In December 2010, the AIB General Meeting in Lisbon accepted a new Danish Domain Protocol, which includes the issuing of Guarantees of Origin for RES-E, Guarantees of Origin for Cogeneration and RECS certificates. This new Domain Protocol ensured that Energinet.dk will be able to issue Guarantees of Origin RES-E according to the new RES Directive (2009/28/EC). Moreover, the new Domain Protocol ensured that Energinet.dk becomes the first AIB member to be able to issue Guarantees of Origin for high efficient Cogeneration.

9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)

The Danish Ministry of Climate and Energy adopted the supporting legislation for the new RES Directive at the end of November 2010, thereby creating the legislative base for Energinet.dk to issue Guarantees of Origin according to the new Directive. At the same time, it adopted the supporting legislation for the new Internal Energy Market Directive (2009/72/EC) regarding disclosure of the source of electricity to electricity consumers.

10. What are the benefits of being part of the AIB to the company?

Louise Rønne Christensen, Senior Consultant, Market Development, and member of the AIB board, states: “The AIB standard ensures that Energinet.dk meets the requirements necessary to secure efficient markets. In particular, the AIB Hub facilitates trade across borders, and thereby expands the market for guarantees of origin. The AIB also provides an excellent forum for knowledge sharing and exchange of experience, which makes it easier for a national issuing body to meet the requirements established as a result of new EU legislation”.
1. Name of the company
Grexel Systems Oy

2. Area of operation
Finland and Sweden

3. Profile of the organisation (NGO, TSO, Regulator...)
Grexel is a private company which provides core market infrastructure solutions and services for a clean economy. These include, for example, central registry system provision, market design and regulatory development. The company is also the EECS issuing body in Finland and Sweden.

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
Grexel became a member of the following schemes:
• RES-GO, in 2006
• RECS, in 2007
• Disclosure-GO and RES-GO for multi-certificate domains, in 2009

5. Scope of national participation in EECS

<table>
<thead>
<tr>
<th></th>
<th>Number of registered scheme participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finland</td>
<td>24</td>
</tr>
<tr>
<td>Sweden</td>
<td>21</td>
</tr>
</tbody>
</table>

Registered production devices and total capacity installed

<table>
<thead>
<tr>
<th></th>
<th>Total capacity installed (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finland</td>
<td></td>
</tr>
<tr>
<td>Number of production devices</td>
<td>89</td>
</tr>
<tr>
<td>Sweden</td>
<td></td>
</tr>
<tr>
<td>Number of production devices</td>
<td>174</td>
</tr>
</tbody>
</table>
Registered production devices and total capacity installed per technology

### Finland

<table>
<thead>
<tr>
<th>Technology</th>
<th>Number of production devices</th>
<th>Total capacity installed per technology (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydro</td>
<td>50</td>
<td>2,427</td>
</tr>
<tr>
<td>Biomass</td>
<td>23</td>
<td>1,761</td>
</tr>
<tr>
<td>Wind</td>
<td>16</td>
<td>77</td>
</tr>
</tbody>
</table>

### Sweden

<table>
<thead>
<tr>
<th>Technology</th>
<th>Number of production devices</th>
<th>Total capacity installed per technology (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydro</td>
<td>167</td>
<td>11,977</td>
</tr>
<tr>
<td>Nuclear</td>
<td>7</td>
<td>6,788</td>
</tr>
</tbody>
</table>

Certified EECS production as compared to national RES production

### Finland

<table>
<thead>
<tr>
<th>EECS RES production est. (TWh)</th>
<th>National RES production (TWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>23.4 (preliminary)</td>
</tr>
</tbody>
</table>

### Sweden

<table>
<thead>
<tr>
<th>EECS RES production est. (TWh)</th>
<th>National RES production est. (TWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>42 + 30</td>
<td>80</td>
</tr>
</tbody>
</table>

7. Activities within the AIB - eg. WGEA, EPED, etc.
- Member of WGS and WGIA
- Project partner in EPED
- Project partner in RE-DISS

8. News and perspective regarding the national IB

- During 2011 Grexel will build the new CMO system for Norway. This system will be based on Grexel Certification Framework (GCF).
- In addition to Norway, the GCF-based registry system is used in Denmark, Germany, Finland, Luxembourg and Sweden.

9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)

- Sweden and Norway have now agreed to form a certificate-based joint support scheme. The new scheme will be based on the existing Swedish “Elcertifikat” system; and the joint scheme is scheduled to come into operation at the beginning of 2012.

10. What are the benefits of being part of the AIB to the company?

   “The AIB provides the only widely accepted international standard for guarantees of origin. Being a member of the AIB enables us not only to issue certificates under EECS®, but it also provides a great platform to share experiences and coordinate efforts between issuing bodies in various countries.” says Marko Lehtovaara.

6. Member of the AIB

Grexel has been a member of the AIB since March 2006.
1. Name of the company
Observ’ER. Founded in 1980, Observ’ER is a not for profit association specialised in monitoring and promoting renewable energies.

2. Area of operation
France

3. Profile of the organisation (NGO, TSO, Regulator...)
NGO

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
Observ’ER is the French issuing body for EECS RECS certificates.

5. Scope of national participation in EECS

<table>
<thead>
<tr>
<th>Number of registered scheme participants (signed STCs)</th>
<th>57</th>
</tr>
</thead>
</table>

Registered production devices and total capacity installed

<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>458</td>
<td>3,609</td>
</tr>
</tbody>
</table>

Registered production devices and total capacity installed per technology

<table>
<thead>
<tr>
<th>Technology</th>
<th>Number of production devices</th>
<th>Total capacity installed per technology (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wind power</td>
<td>149</td>
<td>1,279,620</td>
</tr>
<tr>
<td>Hydro</td>
<td>252</td>
<td>2,150,172</td>
</tr>
<tr>
<td>MSW</td>
<td>6</td>
<td>56,000</td>
</tr>
<tr>
<td>Biogas</td>
<td>35</td>
<td>82,687</td>
</tr>
<tr>
<td>Forestry and agricultural by-products and waste</td>
<td>2</td>
<td>13,490</td>
</tr>
<tr>
<td>PV</td>
<td>14</td>
<td>13,916</td>
</tr>
</tbody>
</table>
REPORTS FROM MEMBERS

Certified EECS production as compared to national RES production

<table>
<thead>
<tr>
<th>EECS RES production (TWh)</th>
<th>National RES production (TWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.66</td>
<td>83</td>
</tr>
</tbody>
</table>

6. Member of the AIB
Observ’ER has been taking part in the RECS system as early as 1999 and is one of AIB’s founding members. Observ’ER’s first certificates were issued in December 2002 and the first cancellation occurred in January 2003.

7. Activities within the AIB - eg. WGEA, EPED, etc.
Observ’ER takes an active part in AIB’s work and projects. Besides regular participation in the General Meetings of the Association, Observ’ER is member of the AIB Board and chairs the Workgroup “External Affairs”.

8. News and perspective regarding the national IB
2010 market activity has focused on the national market more than in previous years, with a 50% decrease in imports and a 70% increase in national issuing. Issuing now covers around 9% of French RES electricity production. Cancellation has risen by 15%, confirming the good health of products including a share of green electricity on the French market.

In 2010, the French ministry of ecology developed its National Action Plan for the promotion of renewable energies 2009-2020 in accordance with Article 4 of European Union Directive 2009/28/EC. This recognises RECS certificates as a means of promoting the use of energy from renewable resources in the electricity sector.

Observ’ER is taking part in the follow-up project to E-TRACK II: RE-DISS. This project is led by Öko-Institut and aims to support national competent authorities in the EU in establishing compatible and harmonised systems of GO and disclosure. In order to support the French authorities, Observ’ER will pursue its work at a national level, promoting the use of EECS RES GOs as a carrier for the French Guarantees of Origin.

In 2010, Observ’ER has been continuing an in-depth review of its quality procedures regarding EECS certification, and in 2011 it will order an internal audit according to standard NF45011.

9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)
In December 2010 the Ministry of Ecology decided to impose a moratorium on the feed-in tariff for PV installations over 3 kWp for a three month period so as to put in place regulatory tools to control the rising cost of support for this sector. For the same reason, the tax credit for PV installations in individual households has been lowered from 50% beginning of 2010 to 22% on the 1st January 2011.

Transposition of article 15 (on GOs) of Directive 2009/28/EC has not yet taken place. The system put in place should be completed by 2012 as stipulated in the National Action Plan.

As far as joint projects are concerned, none are foreseen in the NAP, but some may be implemented before 2020 in the framework of the Mediterranean Solar Plan with Third Countries.

10. What are the benefits of being part of the AIB to the company?
“The AIB is a strong means of guaranteeing the neutrality and impartiality of procedures to market parties” reflects Alain Liébard, the President of Observ’ER.
1. Name of the company
Öko-Institut e.V.

2. Area of operation
Germany

3. Profile of the organisation (NGO, TSO, Regulator...)
Independent non-profit research institution. Öko-Institut e.V. has been commissioned by RECS Deutschland e.V. to act as the Issuing Body for the German EECS Domain.

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
Öko-Institut e.V. is Scheme Member for RES-E GO, Disclosure GO and for RECS. Environmental auditors, which are legally responsible for issuing RES-E GO according to German law, cooperate with Öko-Institut e.V. in order to perform issuing of RES-E GO within the framework of EECS. For CHP GO, which are currently not implemented in Germany under the EECS regime, the Federal Office of Economics and Export Control acts as national Issuing Body, but has not issued any CHP-GO yet.

5. Scope of national participation in EECS

| Number of registered scheme participants | 35 |
| Registered production devices and total capacity installed | |
| Number of production devices | Total capacity installed (MW) |
| 7 | 86 |

| Registered production devices and total capacity installed per technology | |
| Technology | Number of production devices | Total capacity installed per technology (MW) |
| Hydro | 2 | 14.4 |
| Landfill gas | 3 | 11.4 |
| Methane | 1 | 2.7 |
| Biomass | 1 | 57.2 |

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Dominik Seebach
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fax: +49 (761) 4 52 95-88
email: d.seebach@oeko.de

Öko-Institut e.V.
PO Box 17 71 | 79017 Freiburg | Germany
tel: +49 (761) 4 52 95-25
website: www.eecs-germany.de
Certified EECS production as compared to national RES production

<table>
<thead>
<tr>
<th>EECS RES production (TWh)</th>
<th>National RES production (TWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>95 (2009)</td>
</tr>
</tbody>
</table>

6. Member of the AIB

Member of the AIB since 2001. Initially, only RECS certificates have been implemented, with implementation of RES-E GO and Disclosure GO following in 2006.

7. Activities within the AIB - eg. WGEA, EPED, etc.

- Christof Timpe: President of the AIB
- Dominik Seebach: Working Group Internal Affairs

Furthermore, Öko-Institut e.V. has provided consultancy to the EPED project and is coordinating the RE-DISS project.

8. News and perspective regarding the national IB

The migration to the cmo.grekel registry in February 2010 has contributed to facilitate the increased activities and market requirements. Implementation of the 2009 Renewables Directive will establish the German Environmental Agency (Umweltbundesamt – UBA) as competent body for RES-E GO.

Since beginning of 2011, Öko-Insitut e.V. is leading a project consortium for consultation of the UBA with respect to requirements and detailed options for establishing the national RES-E GO system. This includes aspects like the setup of a (new or adapted) registry and the relevant secondary regulations. Such regulations still need to define, for example, the role and operation of the GO system and distribution of actual work and responsibilities between UBA and authorised agents. So far, no decision has been taken by the German Government and UBA on whether the implementation will be made under EECS or not.

Until the new system comes into operation (not before beginning of 2012), it is possible for Öko-Institut to continue its activity as Issuing Body for EECS in Germany in order to allow for a continuous operation of the GO system. However, all further activities will be subject to the political development both in the field of RES-E GO and of disclosure regulation in Germany.

9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)

So far, only very general regulation has been in place with respect to disclosure. The relevant Energy Law (Energiewirtschaftsgesetz, EnWG) is now under review and might in the future introduce more specific regulations, e.g. on eligible tracking instruments. However, it is not clear yet which specific role will be assigned to RES-E GO and other EECS GO, like RECS and Disclosure GO.

10. What are the benefits of being part of the AIB to the company?

Christof Timpe, President of the AIB and Head of the Energy and Climate Division of Öko-Institut, says “Research activities of Öko-Institut e.V. like the E-TRACK project and the RE-DISS project allow for synergies with core AIB activities. Öko-Institut e.V. as a research institute gives high priority to further development of EECS and related policies in order to increase transparency in energy markets and the share of sustainable power production. Thus, cooperation in the EECS framework allows Öko-Insitut e.V. to make part of its research-based recommendations reality”.

March 2011
1. **Name of the company**  
The Green Certificate Company Ltd

2. **Area of operation**  
Spain and Ireland

3. **Profile of the organisation (NGO, TSO, Regulator...)**  
Independent

4. **Scheme membership - eg. EECS GOs, EECS RECS, etc.**  
EECS RECS

5. **Scope of national participation in EECS**

   **Ireland**
   - Number of registered scheme participants: 1

   **Spain**
   - Number of registered scheme participants: 6

<table>
<thead>
<tr>
<th>Registered production devices and total capacity installed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Technology</strong></td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>Onshore Wind</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Sweden</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Technology</strong></td>
</tr>
<tr>
<td>---------------</td>
</tr>
<tr>
<td>Hydro Power</td>
</tr>
<tr>
<td>Onshore Wind</td>
</tr>
<tr>
<td>Offshore Wind</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

**Ed Everson**  
email: ed.everson@green-certificates.com

**The Green Certificate Company Ltd**  
12 The Broadway | Amersham | Bucks | HP7 0HP | UK  
tel: +44 (0) 7005 860120 | fax: +44 (0) 7005 860121  
website: www.green-certificates.com  
email: info@green-certificates.com
REPORTS FROM MEMBERS

Certified EECS production as compared to national RES production

Ireland

<table>
<thead>
<tr>
<th>Prod. year</th>
<th>Certified EECS production (TWh)</th>
<th>National RES production (TWh)</th>
<th>Share of EECS on national RES production (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>0</td>
<td>Not known</td>
<td>0</td>
</tr>
<tr>
<td>2009</td>
<td>3.9</td>
<td>66*</td>
<td>0</td>
</tr>
</tbody>
</table>

*ENTSO-E data

Spain

<table>
<thead>
<tr>
<th>Prod. year</th>
<th>Certified EECS production (TWh)</th>
<th>National RES production (TWh)</th>
<th>Share of EECS on national RES production (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>0.766</td>
<td>70.273*</td>
<td>1.09</td>
</tr>
<tr>
<td>2009</td>
<td>1 (Est.)</td>
<td>95.719**</td>
<td>1.04</td>
</tr>
</tbody>
</table>

*ENTSO-E data / **Estimate based on ENTSO-E data

6. Member of the AIB

GCC (Ireland) was a founding member of the AIB; while GCC (Spain) joined in 2008.

7. Activities within the AIB - eg. WGEA, EPED, etc.

Ed Everson chairs the Workgroup Systems.

8. News and perspective regarding the national IB

—

9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)

—

10. What are the benefits of being part of the AIB to the company?

“The AIB is essential to the success of our scheme. With requirements driven by Market Participants, the quality assurance provided by the AIB provides them with the security they desire for their trading activities. Links to other European countries are seen as critical to the success of renewable products.” says Ed Everson.
1. Name of the company
Gestore dei Servizi Energetici - GSE S.p.A.

2. Area of operation
Italy

3. Profile of the organisation (NGO, TSO, Regulator…)
Gestore dei Servizi Energetici - GSE S.p.A. (GSE) - plays a central role in the promotion, support and development of renewable energy sources in Italy.

GSE’s sole shareholder is the Italian Ministry of Economy and Finance which, in consultation with the Ministry of Economic Development, provides guidance on GSE’s activities. GSE is the parent company of “Gestore dei Mercati Energetici S.p.A.” (GME), “Acquirente Unico S.p.A.” (AU) and “Ricerca sul Sistema Energetico” RSE S.p.A.

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
GSE is a member of the RECS scheme.

5. Scope of national participation in EECS

<table>
<thead>
<tr>
<th>Number of registered scheme participants</th>
<th>47</th>
</tr>
</thead>
</table>

Registered production devices and total capacity installed

<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>159</td>
<td>4,393</td>
</tr>
</tbody>
</table>

Registered production devices and total capacity installed per technology

<table>
<thead>
<tr>
<th>Technology</th>
<th>Number of production devices</th>
<th>Total capacity installed per technology (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydro</td>
<td>145</td>
<td>4,149</td>
</tr>
<tr>
<td>Solid Biomass</td>
<td>3</td>
<td>81</td>
</tr>
<tr>
<td>Bioliquid</td>
<td>2</td>
<td>59</td>
</tr>
<tr>
<td>Biogas</td>
<td>2</td>
<td>2,9</td>
</tr>
<tr>
<td>Geothermal</td>
<td>4</td>
<td>100</td>
</tr>
<tr>
<td>Photovoltaic</td>
<td>3</td>
<td>1,4</td>
</tr>
</tbody>
</table>
REPORTS FROM MEMBERS

Certified EECS production as compared to national RES production

<table>
<thead>
<tr>
<th>EECS RES production (TWh)</th>
<th>National RES production (TWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.6</td>
<td>64</td>
</tr>
</tbody>
</table>

*provisional data by TERNA – Italian TSO

6. Member of the AIB

GSE was one of the founding fathers of the AIB when it formed in 2001, its CEO becoming the first President of the Association.

7. Activities within the AIB - eg. WGEA, EPED, etc.

The engagement of GSE within AIB activities is very lively, as confirmed by its fully operational participation in the AIB Organisation
- General Meeting: Gerardo Montanino
- Board: Natascia Falcucci
- WGIA: Noemi Magnanini, Rosanna Pietropaolo
- WGEA: Claudia Delmirani
- WGS: Marta Grassilli

GSE is the competent body for disclosure: in particular, it is the entity which is responsible for managing the electricity tracking system process. To this end, it is putting in place a data information system, which will be fully operational as from April 2011.

To implement a reliable disclosure system, GSE has co-operated in the EPED project since 2010.

8. News and perspective regarding the national IB

In addition to participating in the AIB Working Group Systems, GSE has taken part in the test phase of the new HUB, which will simplify the exchange of EECS certificates between all registries. In addition, to meet the needs expressed by market operators, GSE continues to carry out evolutionary interventions on the existing system.

9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)

GSE has been appointed by the Italian Ministry of Economic Development to support and monitor the implementation of the new RES Directive 2009/28/EC. In this field, GSE supports the Italian Government in the potential development of the cooperation mechanisms mentioned in the Directive.

10. What are the benefits of being part of the AIB to the company?

Mr Montanino - Head of GSE’s Operations Division - thinks that “the participation in the AIB Association is becoming every day more valuable, due to the possibility to have a sole certification system”.

Marta Grassilli (WGS) underlines in addition the importance of the creation of the new HUB, which is an excellent tool for connecting together all the registries.

Moreover, regarding the great usefulness of the HUB, Noemi Magnanini (WGIA) thinks that “the added value to being part of the Association is the global vision concerning the principal topics on energy”.

To these technical matters, Claudia Delmirani (WGEA) emphasises the strong networking offered by participation in General Meetings, and the possibility of sharing and exchanging know-how of the acquired knowledge and information.
1. Name of the company
   Institut Luxembourgeois de Régulation (ILR)

2. Area of operation
   Luxembourg

3. Profile of the organisation (NGO, TSO, Regulator…)
   The Institut Luxembourgeois de Régulation (ILR) is the national regulatory authority for telecommunication, railways, postal services, electricity and natural gas markets, and also the national competent body for issuing guarantees of origin for electricity generated from renewable energy sources.

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
   ILR is the national issuing body for EECS GOs and EECS RECS.

5. Scope of national participation in EECS

   Number of registered scheme participants | 4

   Registered production devices and total capacity installed

<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

   Registered production devices and total capacity installed per technology

<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed per technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Claude Hornick

tel: +352 45 88 45 58
email: claude.hornick@ilr.lu

Institut Luxembourgeois de Régulation
45, allée Scheffer | L-2520 Luxembourg | Luxembourg
tel: +352 45 88 45-1
website: www.ilr.public.lu
Certified EECS production as compared to national RES production

<table>
<thead>
<tr>
<th>EECS RES production (TWh)</th>
<th>National RES production (TWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0.3</td>
</tr>
</tbody>
</table>

6. Member of the AIB

The Luxembourg registry has been operational since 1st January 2010.

7. Activities within the AIB - eg. WGEA, EPED, etc.

ILR participates in WGI.A.

8. News and perspectives regarding the national IB


9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)

New disclosure regulations have entered into force in 2010 defining a unique electricity label to be used by all suppliers in their disclosure information. Cancellations of EECS certificates represent an easy and straightforward tool for electricity suppliers to prove the renewable origin of their electricity supply.

10. What are the benefits of being part of the AIB to the company?

“In order to facilitate monitoring, and to improve the reliability of the electricity disclosure system, and especially of its green attributes, ILR decided to join the AIB EECS standard. This is an important step towards fulfilling the requirements of the European Directives, consisting of putting in place a mechanism allowing electronic transfer and cancellation of guarantees of origin, while ensuring utmost accuracy, reliability and fraud-resistance” says Claude Hornick.
1. Name of the company
CertiQ B.V.

2. Area of operation
The Netherlands

3. Profile of the organisation (NGO, TSO, Regulator...)
CertiQ B.V. is a subsidiary of TenneT TSO B.V. and performs the role of the national issuing body for guarantees of origin, a task for which TenneT is legally appointed by the Dutch ministry of Economic Affairs, Agriculture and Innovation. In addition to guarantees of origin for renewable and CHP electricity, CertiQ also issues disclosure certificates for electricity derived from other sources.
CertiQ works closely with:
• the Dutch ministry of Economic Affairs, which determines the legal frameworks upon which guarantees of origin are based within the Netherlands;
• NL Agency, an agency of the Ministry charged with, amongst other things, the implementation of support schemes related to the production of renewable electricity;
• the Office of Energy Regulation, which supervises the correct functioning of the Dutch electricity markets.

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
GoO RES-E, RECS and Disclosure GOs.

5. Scope of national participation in EECS

<table>
<thead>
<tr>
<th>Number of registered scheme participants</th>
<th>53</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registered production devices and total capacity installed</td>
<td></td>
</tr>
<tr>
<td>Number of production devices</td>
<td>Total capacity installed (MW)</td>
</tr>
<tr>
<td>7,599</td>
<td>9,109.887</td>
</tr>
</tbody>
</table>
Registered production devices and total capacity installed per technology

<table>
<thead>
<tr>
<th>Technology</th>
<th>Number of production devices</th>
<th>Total capacity installed per technology (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomass</td>
<td>220</td>
<td>6,779.796</td>
</tr>
<tr>
<td>Hydro</td>
<td>18</td>
<td>38.005</td>
</tr>
<tr>
<td>Solar</td>
<td>6,314</td>
<td>29.416</td>
</tr>
<tr>
<td>Wind</td>
<td>1,047</td>
<td>2,262.670</td>
</tr>
</tbody>
</table>

Certified EECS production as compared to national RES production

<table>
<thead>
<tr>
<th>EECS RES production est. (TWh)</th>
<th>National RES production (TWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.2</td>
<td>Not yet available</td>
</tr>
</tbody>
</table>

6. Member of the AIB
TenneT has been a member of AIB since 2001.

7. Activities within the AIB - eg. WGEA, EPED, etc.

<table>
<thead>
<tr>
<th>Name</th>
<th>Position at CertiQ</th>
<th>Involvement in AIB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. G.C. van Dijk</td>
<td>Manager</td>
<td>Chairman of AIB’s management board</td>
</tr>
<tr>
<td>Mr. M.D. Doyer</td>
<td>Relation manager</td>
<td>Member of Working Group External Affairs (WGEA)</td>
</tr>
<tr>
<td>Mr. M.J. Lenzen</td>
<td>Policy advisor</td>
<td>Member of Working Group Internal Affairs (WGIA)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Also participates in EPED and RE-DISS</td>
</tr>
<tr>
<td>Mr. A. van der Toorn</td>
<td>Application manager</td>
<td>Member of Working Group Systems (WGSS)</td>
</tr>
</tbody>
</table>

8. News and perspective regarding the national IB
Studies performed recently have led us to conclude that a new registry will be necessary to continue to meet legislative and market demands. Our current registry was custom-made in-house back in 2001. Since then, multiple changes in Dutch legislation with regard to guarantees of origin and support of renewable electricity have required us to adapt our registry again and again. The resulting registry has become increasingly difficult to manage.

Therefore, we have started a project for the design and implementation of a new registry that will allow for CertiQ to better interact with its customers and which will at the same time be easier to manage.

9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)
In 2009, Directive 2009/28/EC was published, establishing new rules for the content and usage of guarantees of origin. Since then, the Directive has been implemented in Dutch legislation. Naturally, we will adapt our current and future registries accordingly.

10. What are the benefits of being part of the AIB to the company?
"In the Netherlands, there is a significant demand for renewable electricity. In order to prove the renewable origin of electricity to their customers, suppliers must cancel guarantees of origin (GOs). Because the demand for GOs surpasses the production of renewable electricity in the Netherlands, GOs are imported from other EU and EEA members.

The EECS ® standard developed by the Association of Issuing Bodies secures the quality and the reliability of certificates issued by its members. Moreover, EECS® promotes transparency in the European market for GOs.

Finally, participating in AIB helps us develop best practices for registration of production devices, issuing certificates, etc. by comparing our methods to those of our peers." says Gineke van Dijk, manager of CertiQ and the chairman of AIB’s Board.
1. Name of the company
STATNETT SF

2. Area of operation
Norway

3. Profile of the organisation (NGO, TSO, Regulator...)
Statnett is the System Transmission Operator (TSO) of the Norwegian electric power market, a public enterprise owned by the state of Norway. Statnett has full ownership of the national grid, and responsibility for all high-voltage electricity transmission, distribution and development in Norway. Statnett also provides interconnection to Europe (Denmark, Sweden, Russia and the Netherlands). This ensures efficient electricity flow, and accessible transmission routes.

Statnett also owns 30 per cent of NordPool Spot, together with the other Nordic TSOs. NordPool spot is a subsidiary of the NordPool Exchange (market place), which Statnett also was co-founder of in the early 1990s.

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
EECS GO, EECS RECS

5. Scope of national participation in EECS

<table>
<thead>
<tr>
<th>Number of registered scheme participants</th>
<th>31</th>
</tr>
</thead>
</table>

Registered production devices and total capacity installed

<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>644</td>
<td>27,962.27</td>
</tr>
</tbody>
</table>

Registered production devices and total capacity installed per technology

<table>
<thead>
<tr>
<th>Technology</th>
<th>Number of production devices</th>
<th>Total capacity installed per technology (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wind</td>
<td>12</td>
<td>323.85</td>
</tr>
<tr>
<td>Bio Fuel</td>
<td>2</td>
<td>40.2</td>
</tr>
<tr>
<td>Hydro</td>
<td>630</td>
<td>27,598.22</td>
</tr>
</tbody>
</table>
Certified EECS production as compared to national RES production

<table>
<thead>
<tr>
<th>EECS RES production (TWh)</th>
<th>National RES production (TWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>103.9</td>
<td>123.8</td>
</tr>
</tbody>
</table>

6. Member of the AIB
Statnett joined the AIB on January 1st 2002.

7. Activities within the AIB - eg. WGEA, EPED, etc.

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tor Bjarne Heiberg</td>
<td>Head of Department</td>
<td>WGEA, HUB procurement process</td>
</tr>
<tr>
<td>Rolf Joergensen</td>
<td>Controller</td>
<td>WGEA</td>
</tr>
<tr>
<td>Ann-Christin Auestang</td>
<td>Market Consultant</td>
<td>WGEA</td>
</tr>
<tr>
<td>Geir Tore Saeterstoen</td>
<td>Project Manager</td>
<td>WGS</td>
</tr>
</tbody>
</table>

8. News and perspective regarding the national IB
Statnett announced last year that it was requiring a new generation certificate management system, to facilitate the growing needs of its respective members.

During spring and summer of 2010, Statnett has worked on a system specification, and established an official tendering process for the procurement of such a system. Grexel has been selected as the contractor, and Statnett expects to have a new and improved CMO system in operation from 1st January 2012.

Statnett has no current plans to expand into other schemes within the EECS system. It will, however, handle Norwegian/Swedish support certificates in the new CMO system.

9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)
On the 7th January 2012, the Norwegian and Swedish energy ministers signed a letter of intent for a common green certificate market that will start on the 1st January 2012. The agreement will support the building of new RES-E production, by choosing to build the most economically feasible projects first. The total target between the countries is 26TWh new renewable generation, split into equal shares of 13TWh by 2020. The agreement is technology neutral, and the support for building new RES production will be offered until 2035.

The agreement between the Norwegian and Swedish governments was finally signed on the 8th of December 2010, and the law will be sent for hearing in the Norwegian parliament in February 2011. In the draft hearing documents from the Norwegian ministry of oil and energy, Statnett is appointed as responsible for the Norwegian registry for the issuing of green certificates.

10. What are the benefits to the company of being part of the AIB?
“Adjusting and applying the EECS rules of the AIB to the Norwegian market provides credibility to the Norwegian system, and gives us a good framework for how we can best utilise and enhance the system and practices for Norwegian members.

AIB supports a harmonized and robust system for international trade of certificates, and ensures green energy consumers’ rights through clear rules and guidelines, to prevent fraudulent market behaviour.” says Tor Heiberg.
1. Name of the company
REN – Rede Eléctrica Nacional, S.A.

2. Area of operation
REN is engaged in two principal lines of business:
• electricity transmission, where it own and operate the National Transmission Grid, the only electricity transmission network in mainland Portugal; and
• natural gas, where it is engaged in the reception, storage and regasification of LNG, the operation of the national high-pressure gas transmission network, which it owns and operates under respective concessions and the underground storage of natural gas.

3. Profile of the organisation (NGO, TSO, Regulator...)
TSO

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
EECS RECS scheme member since 2004.

5. Scope of national participation in EECS

<table>
<thead>
<tr>
<th>Number of registered scheme participants</th>
<th>1</th>
</tr>
</thead>
</table>

Registered production devices and total capacity installed

<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>68</td>
</tr>
</tbody>
</table>

Registered production devices and total capacity installed per technology

<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed per technology (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>68</td>
</tr>
</tbody>
</table>
Certified EECS production as compared to national RES production

<table>
<thead>
<tr>
<th>EECS RES production (TWh)</th>
<th>National RES production (TWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.219</td>
<td>33</td>
</tr>
</tbody>
</table>

6. Member of the AIB
REN has been a member of the AIB since 2003

7. Activities within the AIB - eg. WGEA, EPED, etc.
Last year, REN performed and concluded the audit of the Wallonia Domain.

8. News and perspective regarding the national IB
In March 2010, REN was appointed as the national Issuing Body Guarantee of origin of electricity from high-efficiency cogeneration (CHP-GO) and, since then, has been preparing the Operations Manual and subsidiary documents that will support this new responsibility.

9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)
For 2011, REN expects to start issuing the first Portuguese CHP-GOs.

10. What are the benefits of being part of the AIB to the company?
“I consider that the Association of Issuing Bodies is an important step in achieving a standardised model for an energy certificate system which supports and promotes the international trade of certificates.
Being a member of AIB allows REN to participate on the construction of this standard, and to follow closely the implementation of Guarantees of Origin by the other members of AIB.” says Pedro Cabral.
1. Name of the company
Energy Agency of the Republic of Slovenia (AGEN-RS)

2. Area of operation
Slovenia

3. Profile of the organisation (NGO, TSO, Regulator...)
Regulatory authority for the electricity and gas markets

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
EECS GOs & RECS

5. Scope of national participation in EECS
To follow

<table>
<thead>
<tr>
<th>Number of registered scheme participants</th>
<th>1</th>
</tr>
</thead>
</table>

Registered production devices and total capacity installed

<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>877.3</td>
</tr>
</tbody>
</table>

Registered production devices and total capacity installed per technology

<table>
<thead>
<tr>
<th>Number of production devices</th>
<th>Total capacity installed (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>877.3</td>
</tr>
</tbody>
</table>

Certified EECS production as compared to national RES production

<table>
<thead>
<tr>
<th>EECS RES production (TWh)</th>
<th>National RES production (TWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.000035</td>
<td>0.0049</td>
</tr>
</tbody>
</table>

Andrej Spec
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fax: +386 (2) 23 40 320
email: andrej.spec@agen-rs.si

Gorazd Škerbinek
Senior Expert
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tel: +386 (0) 2 234 03 00 | fax: +386 (0) 234 03 20
website: www.agen-rs.si
6. Member of the AIB
   Member of the RECS scheme since 2004, and of the RES GO scheme since 2009.

7. Activities within the AIB - eg. WGEA, EPED, etc.
   Andrej Špec - member of the Workgroup Internal Affairs
   Tomaž Lah - member of the Workgroup Systems (chairman of this workgroup until September 2010 – Dubrovnik General Meeting)

8. News and perspective regarding the national IB
   
9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)
   
10. What are the benefits of being part of the AIB to the company?
    “With membership in AIB, we have all of the necessary information about internationally harmonised procedures for issuing and trading with all kinds of certificates; and also information about future developments.
    
    We use this knowledge and experiences in the ongoing development of our domestic (national) renewables legislation and certificate systems and schemes.” says Andrej Spec.
1. Name of the company
Swissgrid

2. Area of operation
Switzerland

3. Profile of the organisation (NGO, TSO, Regulator...)
Swissgrid, the Transmission System Operator (TSO) for Switzerland, acts as Issuing Body (IB) in Switzerland. Since the end of 2006, Swissgrid has been running the Guarantee of Origin system (GO system) for Switzerland. Today Swissgrid is providing six different services via its GO system:
• the Swiss GO services
• the RECS services
• the Disclosure GO services and
• the three Swiss support schemes, all of which are based on Swiss GOs:
  - “additional cost financing”
  - “cost-covering remuneration for feed-in to the electricity grid” and
  - “the stabilization program for solar power plants”.

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
Switzerland has been RECS scheme member since 2002; and a Disclosure GO scheme member starting from October 2009.

5. Scope of national participation in EECS

| Number of registered scheme participants | 1,840 |

| Registered production devices and total capacity installed |
|---------------------------------|-----------------|
| Number of production devices    | Total capacity installed (MW) |
| 2,447                           | 12,275           |

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tel: +41 58 580 21 38
e-mail: lukas.groebke@swissgrid.ch

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Dammstrasse 3 | CH-5070 Frick | Switzerland
tel: +41 848 014 014 | fax: +41 58 580 21 21
website: www.swissgrid.ch
e-mail: info@swissgrid.ch
Registered production devices and total capacity installed per technology

<table>
<thead>
<tr>
<th>Technology</th>
<th>Number of production devices</th>
<th>Total capacity installed per technology (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomass</td>
<td>111</td>
<td>50</td>
</tr>
<tr>
<td>Hydro</td>
<td>656</td>
<td>12,176</td>
</tr>
<tr>
<td>Solar</td>
<td>1,656</td>
<td>43</td>
</tr>
<tr>
<td>Wind onshore</td>
<td>24</td>
<td>6</td>
</tr>
</tbody>
</table>

Certified EECS production as compared to national RES production (estimated)

<table>
<thead>
<tr>
<th>EECS RES production 2010 (TWh)</th>
<th>National RES production 2010 (TWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.14</td>
<td>35</td>
</tr>
</tbody>
</table>

8. News and perspective regarding the national IB
Since the beginning of 2010, Swissgrid has provided Disclosure GO services via its GO system.

9. News and perspectives regarding the national framework on electricity (support, disclosure, joint projects or support schemes)
In September 2010, the Swiss Federal Council approved the extended mandate for negotiations on an energy agreement with the European Union. The extended mandate makes it possible to include the European Directive 2009/28/EC on the promotion of Electricity from Renewable Energy Sources.

10. What are the benefits of being part of the AIB to the company?
“The implementation of the new EECS Rules and the start of the implementation of a new centralized infrastructure for the international, electronic transfer of energy certificates have been a huge step forward for AIB and in the evolution of its standardised energy certificate system (EECS) in 2010.” says Lukas Groebke, Member of the Board.

6. Member of the AIB
Switzerland has been an AIB member since 2002.

7. Activities within the AIB - eg. WGEA, EPED, etc.
Mr Lukas Groebke:
• Member of the Board
• Voting member at the AIB General Meeting
• Member of the Workgroup Internal Affairs
• Chairman of the European Platform for Electricity Disclosure

Mr René Burkhard:
• Alternate voting member at the AIB General Meeting

Mr Michel Maiorano:
• Member of the Workgroup Internal Affairs
REPORTS FROM OBSERVERS

1. Name of the company
   HTSO S.A. – Hellenic Transmission System Operator S.A.

2. Area of operation
   Greece

3. Profile of the organisation (NGO, TSO, Regulator…)
   Transmission System Operator

4. Scheme membership - eg. EECS GOs, EECS RECS, etc.
   HTSO is not a member of the AIB for the moment. However, upon joining it intends to support RES-E GOs and CHP GOs.

5. Member of the AIB
   HTSO has not yet applied for AIB membership; but it plans to apply for membership in 2011.

6. News and perspective regarding the national IB
   An electronic system supporting EECS certificates has been operational since 2010.

7. What are the benefits of being part of the AIB to the company?
   “Multiple interconnections implemented to the systems already connected to the AIB HUB” says Stavroula Gioulea.
1. Name of the company

HROTE (Hrvatski operator tržišta energije d.o.o.), the Croatian Energy Market Operator, is company which enrolled as an observer member of the AIB in 2009 for the domain in Croatia.

2. Area of operation

The main scope of the HROTE’s activities is electricity market organization, and incentivising the electricity production from renewables and highly-efficient cogeneration. However, in 2011 it is foreseen that scope of activities will be extended with gas market organisation and incentivising the production of biofuels.

HROTE has the central role in RES and CHP financial support (feed-in system) in Croatia.

3. Profile of the organisation (NGO, TSO, Regulator...)

HROTE was established in 2005 as the state-owned company which performs the activities necessary to organise the electricity and gas market as a public service, under the supervision of the Croatian Energy Regulatory Agency (HERA).

HROTE controls system of financial incentives for renewable energy sources under the supervision of the Ministry of Economy, Labour and Entrepreneurship.

4. Member of the AIB

HROTE has yet to join AIB, and so it is not yet a member of any scheme.

5. Activities within the AIB - eg. WGEA, EPED, etc.

HROTE is an observer member of the Workgroup External Affairs, where it is represented by Dubravka Skrlec.

6. News and perspective regarding the national IB

With regard to HROTE’s role in the field of the support of electricity production from RES, the company will be involved in the transposition of EU Directive 2009/28/EC into Croatian laws/sub laws, especially in the implementation of the legal framework for establishing the system of Guarantees of Origin.

7. What are the benefits of being part of the AIB to the company?

“One of the benefits for HROTE as an observer member in AIB is to be informed about ongoing processes in renewable electricity sector in EU.

Making new contacts and exchanging the experiences with members from other countries will help us to implement the necessary procedures for establishing Guarantees of Origin, and the connection of our system to the AIB Hub.” says Dubravka Skrlec, Hrote’s Renewables and Cogeneration department.
ASSOCIATION OF ISSUING BODIES

Report of the Independent Auditors to the Members of the Association of Issuing Bodies.

1. Introduction

We have audited the balance sheet and profit and loss account for the year ended 31 December 2010.

This report is made solely to the members of the Association and we do not accept or assume responsibility to anyone other than the Association and the members of the Association for our audit work, for this report, or for the opinions we have formed.

2. Purpose of the Audit

The purpose of the audit is to:

a) Verify the balance sheet and profit and loss account at the year end.
b) Check that the cut off between 2010 and 2011 is correctly accounted for.
c) Evaluate the payment routine.
d) Check the control over invoicing is correct and complete and in accordance with the instructions of the Board.
e) Check that the control over expenses is in accordance with existing agreements, well documented and properly authorized.
f) Calculate the audit-trail between the system and the books.

To carry out the audit we received support from the General Secretary who provided us with board minutes, agreements, a trial balance and nominal ledger at 31 December 2010, transaction lists, invoices and vouchers. The audit was performed on a sample basis.

The AIB is registered in Belgium, but VAT registered in the UK. The audit, as in the previous year, does not include the evaluation of transaction matters.

3. Findings and Recommendation

a) Membership fee.

The information on total certificates issued per member is based on data from the websites (i.e: www.recemo.org) The total number of certificates issued in 2009 was the basis for the standing charge component of the membership fee in 2010.

The activity fees are linked to the total certificates issued in the year. Any certificates relating to the year 2010 and invoiced after the books have been closed for the year have been recognized as revenue in these accounts.
We have verified the annual membership fees were invoiced according to the approved membership fee calculation as set out in the invitation to tender.

b) Expenses
We have reviewed that expenses are supported by appropriate documents and have been correctly authorized. We have checked in particular the major costs of the consulting fees and travel expenses. We found the controls to be good and the year end cut-off seemed reasonable.

c) Bank
The payment routine was found to be in good order with the general secretary creating the payment instructions and the Treasurer authorizing the payment instructions.

The bank account in the nominal ledger reconciled both with the statements received from Jyske Bank and their year end certificate.

d) Accounts Receivable
These were checked to the invoices raised during the year.

e) VAT
The income is mainly from outside the UK and is zero rated whilst the expenses are mainly in the UK and the VAT can be deducted. Therefore, most quarters, the Association receives a VAT refund.

The rate of VAT for the year was 17.5%.

The VAT was found to be correctly calculated and recorded in the system and the end of year balance agreed to the records.

f) Accounts Payable/Accruals
These were checked to the invoices raised by suppliers and found to be correctly recorded.

An accrual of £3276 due to the auditor is included in these accounts.

g) Audit Trial
There is a good audit trail between the original invoices for both fees and expenses and the nominal ledger system.

4. Conclusion

In our opinion the Financial Statement gives a true and fair view of the state of Association of Issuing Bodies as at 31 December 2010 and of its surplus for the year.

The statement has been properly prepared from information supplied.

Jonathan Russell (Statutory Auditor)
For and on behalf of
Russell Phillips
23 Station Road
Gerrards Cross
Bucks. SL9 9ES

Date: 15.3.2011
## ANNEX 2 / FINANCIAL STATEMENT

### ASSOCIATION OF ISSUING BODIES
FINANCIAL STATEMENTS FOR THE YEAR ENDED
31 DECEMBER 2010

<table>
<thead>
<tr>
<th></th>
<th>31/12/2009</th>
<th>31/12/2010</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Profit &amp; Loss Account</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual membership fee, small</td>
<td>48600</td>
<td>56000</td>
</tr>
<tr>
<td>Annual membership fee, large</td>
<td>190000</td>
<td>195000</td>
</tr>
<tr>
<td>Activity based membership fee</td>
<td>174219</td>
<td>213787</td>
</tr>
<tr>
<td>Other operating revenues</td>
<td>10395</td>
<td>23660</td>
</tr>
<tr>
<td><strong>Total operating revenues</strong></td>
<td>422614</td>
<td>488447</td>
</tr>
<tr>
<td><strong>Operating costs</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consultancy fee &amp; administration</td>
<td>232458</td>
<td>282412</td>
</tr>
<tr>
<td>Travelling &amp; Hotels</td>
<td>37230</td>
<td>34559</td>
</tr>
<tr>
<td>Other operating costs</td>
<td>52063</td>
<td>50609</td>
</tr>
<tr>
<td>Depreciation</td>
<td>607</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total operating costs</strong></td>
<td>(342958)</td>
<td>(367580)</td>
</tr>
<tr>
<td><strong>Net financial items</strong></td>
<td>819</td>
<td>947</td>
</tr>
<tr>
<td><strong>Net profit/loss for the year</strong></td>
<td>80475</td>
<td>121814</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Balance Sheet</strong></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Assets</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant &amp; Machinery</td>
<td>-</td>
<td>37590</td>
</tr>
<tr>
<td>Accounts receivable</td>
<td>398532</td>
<td>66115</td>
</tr>
<tr>
<td>Net Vat refund</td>
<td>6727</td>
<td>17633</td>
</tr>
<tr>
<td>Bank</td>
<td>241347</td>
<td>359224</td>
</tr>
<tr>
<td><strong>Total Assets</strong></td>
<td>297636</td>
<td>474562</td>
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<tr>
<td><strong>Liabilities</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounts payable</td>
<td>7052</td>
<td>82174</td>
</tr>
<tr>
<td><strong>Total Net Assets</strong></td>
<td>270574</td>
<td>392388</td>
</tr>
<tr>
<td>Opening Reserve</td>
<td>190099</td>
<td>270574</td>
</tr>
<tr>
<td>Profit for the year</td>
<td>80475</td>
<td>121814</td>
</tr>
<tr>
<td>Closing Reserve</td>
<td>270574</td>
<td>392388</td>
</tr>
</tbody>
</table>

Date: [Signature]

T. Van Oranje, Chair

Registered Address: Ashgrove, Company No. 05845797 - Registered in England

RCAI is the trading name of RCAI, which is registered by the Sussex County Council and is a registered charity.

Directors: Jonathan Russell, Helen Phillips, Graham Coo

Auditors: Winters, Ltd.
Association of Issuing Bodies

The AIB is a non-profit-making international association

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Email info@aib-net.org

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Administrative offices
21/23 Station Road,
Gerrards Cross,
Bucks SL9 8ES
United Kingdom

Registered in Belgium
Registration number (numero d'entreprise)
0.864.645.330