



Renewable Energy Certificate systems in Europe

(the path to international trade)

Marcel Galjee

Board member RECS International

Athens, March 31st 2004



Outline of the presentation

- About RECS
 - RECS International
 - How does a certificate system work?
 - Association Issuing Bodies (AIB)
- The market for renewables
 - Legal framework
 - Mandatory
 - Voluntary
- Closing remarks



RECS International

- Start up phase 2000
- Test Phase 2001-2002 Testing the systems
- Operational 2003-..... Shaping the market
- Non-profit, European association based in Brussels
- Main goal is:
 - harmonisation of 'renewable energy systems'
 - 'stimulating a tradable market for renewable'
- RECS International, 120 members, 16 countries
- 57 TWh certified



Mission statement

“RECS International promotes a pan-European renewable electricity market, facilitated by a commonly accepted and harmonised European information system”

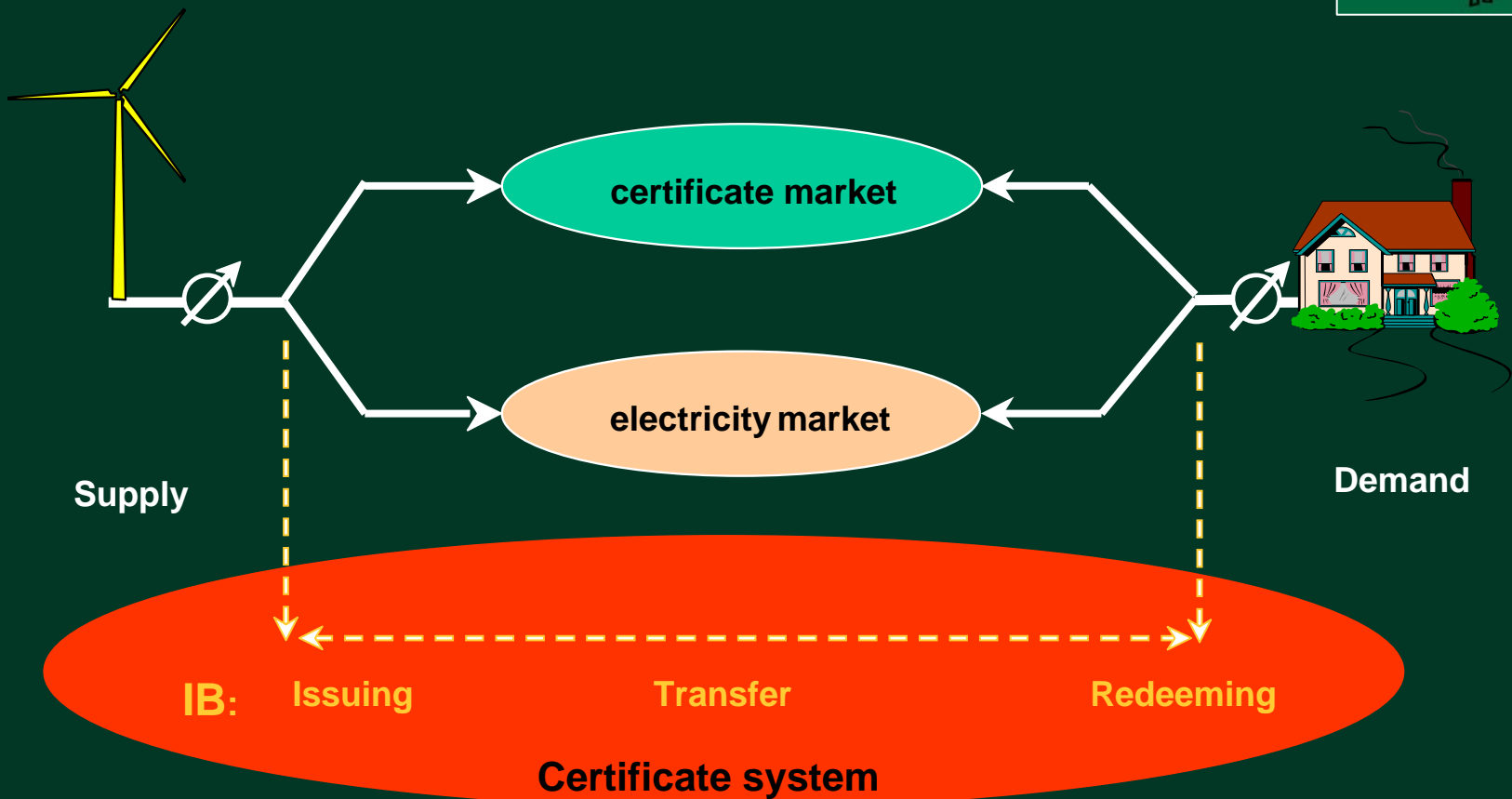


16 National teams

- Norway
- Sweden
- Finland
- Denmark
- Germany
- Netherlands
- UK/Ireland
- Belgium/Luxembourg
- France
- Spain
- Switzerland
- Austria
- Italy
- Portugal
- Slovenia
- Poland



Certificate system





RECS approach

Split in responsibilities (Unbundling)

1. System operators (AIB): system aspects, standardisation and securing quality level
2. RECS International: market issues (demand side as well transparency of the market)
3. Governments: market regulations and appoint system operators

Messages

1. Harmonising systems to make international transfers of 'information' possible (RECS and GoO)
2. Expanding the market (liquid and transparent)
 - The use of standardised certificates for voluntary market, disclosure, support and target counting



Association of Issuing Bodies

"The AIB shall be the leading enabler of international energy certificate schemes."

- Promotes the use of a standardised system, based on harmonised environment, structures and procedures in order to ensure the reliable operation of international energy certificate systems
- EECS-standard (European Energy Certificate System)

Products:

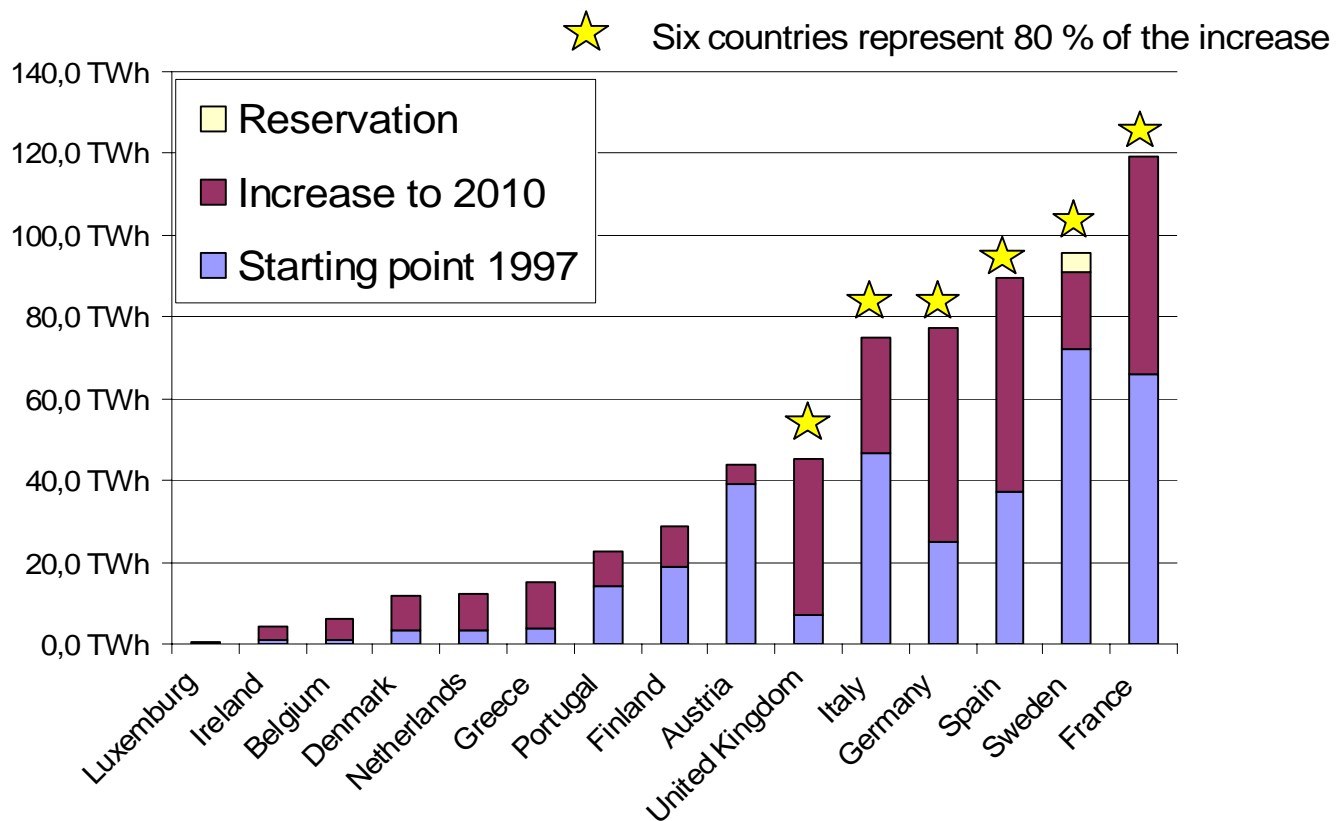
- RECS (in 16 countries)
- GoO (in 7 countries)
- CHP
- Disclosure - non-RES



Legal framework

- European directive, renewables
 - RES-E directive 2001/77/EC
 - EU-target 12%=>22% (2010) increase of ca 310 TWh
 - Guarantee of Origin (EU Instrument) – facilitate transfer
 - Need to be implemented in local legislation in all member states
- European directive, disclosure
 - Information to end-consumers about the suppliers fuel mix and environmental impact (CO₂ and radioactive waste)
 - Possibility for customers to choose supplier based on fuel mix

RES-E and national targets in EU-directive





Relation RECS and GoO

- The GoO is obligatory for all Member States (art 5 RES-directive)
- Information: source, date and location (capacity for hydro)
- Uncoupled of physical flow from transfer of “attributes”
- RECS provides the ‘high way’ to transfer internationally
- RECS is company based and GoO is government based
- Direct link between GoO and RECS



The mandatory market

- Renewable support schemes
 - Feed-in (DE, FI)
 - Quota obligation (SE)
- Disclosure (fuel mix)



The voluntary market

- Renewable energy deliveries to end customers
- Quality labels (WWF)
- Disclosure of fuel mix to end customers



Renewable success stories

- Big increase in renewable production
- Public awareness on renewable energy
- Top users of renewable energy
 - Industry
 - Household market
- International trade



Closing remarks

- Make systems for GoO compatible
- International trade is there already
- The Greece issuing body is invited to join the AIB
- Greek market players are invited to become a member of RECS International



- Just do it...



- We did it!!



A screenshot of the RECS website homepage. The page has a green header with the RECS logo on the left and a "News" section on the right containing a link to "Position Paper Evaluation Report". The main content area features a "HOME" button and a section titled "Renewable Energy Certificate System - the RECS International Association -". Below this is a list of five bullet points describing the system. A left sidebar contains navigation links: Home, RECS International, Information, Events, Join RECS, Contact, and Members site. The footer of the page displays the URL "WWW.RECS.ORG".

RECS
Renewable Energy
Certificate System

News
Position Paper
Evaluation Report

HOME

Renewable Energy Certificate System
- the RECS International Association -

- A group of market players that trade in renewable energy certificates through whole of Europe.
- Started as a voluntary initiative to create a uniform system for cross-border certificate trading in 2001.
- Now already more than 100 members trading certificates in over 14 countries in Europe!
- Good ties with Association of Issuing Bodies (AIB) who are the system operators.
- Every three months international meeting events with AIB and often other stakeholders like governments.
- Strong lobby towards national and European governments for a harmonised pan-European market for certificate trading.

Home
RECS International
Information
Events
Join RECS
Contact

Members site

WWW.RECS.ORG

www.RECS.org

Or

Info@recs.org