



Towards Integrated Sustainability Certification



Sébastien Hays

16th March 2011

Public Workshop – Global-Bio-Pact, Medan



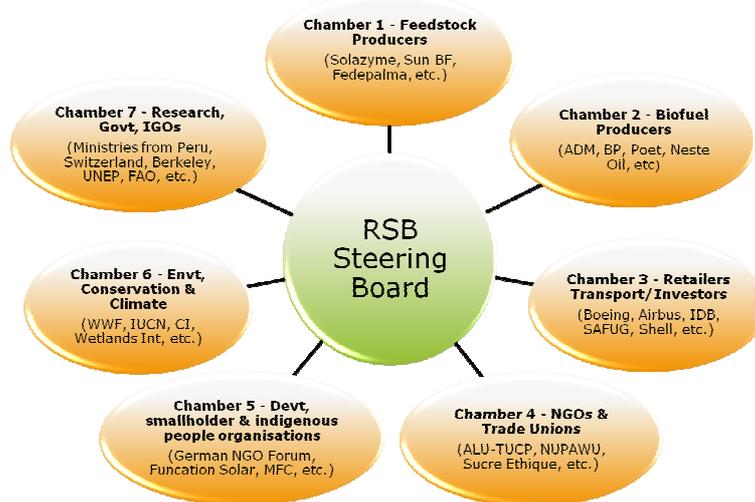
Biofuel Production

Complex Sustainability Challenges

- ❖ **GHGs** – Lifecycle GHG emissions, including land conversion
- ❖ **Food security**
- ❖ **Conservation & land use change**
- ❖ **Diverse feedstocks/crops**
- ❖ **New supply chains**
- ❖ **Use of wastes & residues**
- ❖ **Indirect Impacts**
- ❖ **Consumer acceptability**



The RSB Governance



The RSB Standard

Global, multi-stakeholder certification standard on sustainability and biofuels applicable to all feedstocks and biofuel types

- ❖ Developed and approved by about **120 members from more than 40 countries** representing private sectors along the supply chain and NGO's
- ❖ **Differentiate** better biofuels from between unsustainable pathways
- ❖ Covers **entire supply chain**
- ❖ **12 Principles & Criteria** (incl. food security)
- ❖ Standard serves also as **certification scheme**
- ❖ Applies to **all feedstocks** + enables geographic & crop specific **adaptations**
- ❖ **RSB Tool** incorporates global GHG calculators for various international regulations



RSB Tool



RSB P&C's and Supporting Practical Tools

- ❖ Principle 1: **Legality**
- ❖ Principle 2: **Planning, Monitoring & Continuous Improvement** → Guidelines on ESIA and Stakeholder Engagement
- ❖ Principle 3: **Greenhouse Gas Emissions** → Methodology for GHG Calculation & RSB Tool
- ❖ Principle 4: **Human & Labour Rights**
- ❖ Principle 5: **Rural & Social Development**
- ❖ Principle 6: **Local Food Security** → Guidelines on Food Security Assessment
- ❖ Principle 7: **Conservation** → Guidelines on Conservation Assessment
- ❖ Principle 8: **Soil** → Guidelines on Soil Assessment
- ❖ Principle 9: **Water** → Guidelines on Water Assessment
- ❖ Principle 10: **Air**
- ❖ Principle 11: **Use of Technology, Inputs, & Management of Waste**
- ❖ Principle 12: **Land Rights** → Guidelines on Land Rights Assessment



Focus: Stakeholder Consultation and FPIC

- ❖ **Principle 2:**
 - Social and ecological Impact assessment and management plans
 - Stakeholder consultation and participation at all stages of the process
 - Transparent information process
 - Need to obtain **Free Prior & Informed Consent** to achieve compliance with Principle 2
- ❖ **Principle 9:** Evaluate and respect existing water rights.
- ❖ **Principle 12:** Evaluate and respect existing land rights and land-use rights.



© Sébastien Hevy/Travailles Humains Suisse



Focus: Land Rights and Land Use Rights

➤ Principle 12:

- Evaluate and respect existing land rights and land-use rights, formal and informal
- No involuntary relocations and all land disputes must be settled prior to development

" Free, Prior, and Informed Consent shall form the basis for all negotiated agreements for any compensation, acquisition, or voluntary relinquishment of rights by land users or owners for biofuel operations. "

➤ RSB Guidelines based on best practise that assist operators to perform:

- Comprehensive stakeholder Engagement
- Processes that are gender sensitive



Land Rights Evaluation

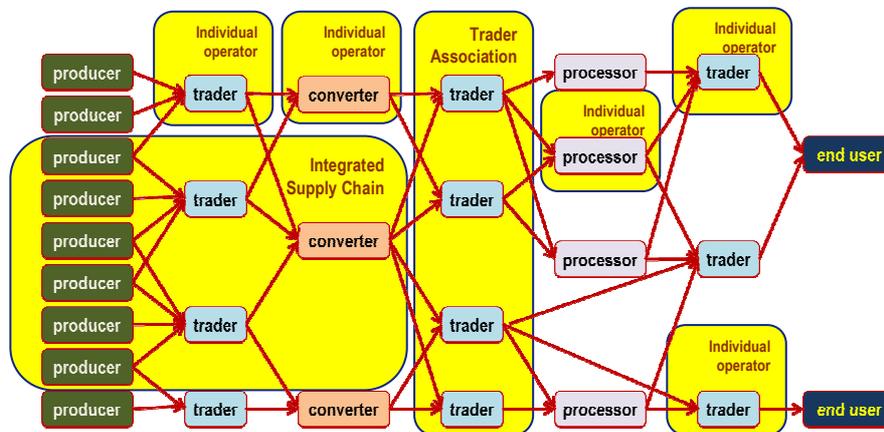


The RSB Certification System: Credible and Robust

- ❖ Certification system based on **3rd party audits** by accredited CB's
- ❖ No self-declaration of compliance allowed as basis for certification
- ❖ **Risk management** system to **lower auditing costs**
- ❖ Chain of Custody **models**: *Identity Preserved, Segregation, Mass Balance, Content Ratio* (Book & Claim to come).
- ❖ **Participating Operators** concept = flexible and needs-oriented definition of certification scope
- ❖ Additional standards to ensure access to regulated markets (e.g. RSB EU RED Standard)
- ❖ Based on **ISO, ISO/IEC, WTO Agreement on TBT and ISEAL Codes of Conduct**



RSB Certification Systems Participating Operators and RSB Claims



RSB and the EU RED

- ❖ **RSB EU RED Standard Package** = consolidated standard package of RSB
- ❖ **Adaptation of the global RSB Standard to match:**
 - RED land-use requirements
 - RED GHG calculation and values (RSB Tool provides RED calculations)
 - RED chain of custody (mass balance)
 - Requirements on auditing and verification
- ❖ RFA benchmarks of sustainability assurance schemes against the RED (2010):
 - Full RED Compliance of the RSB EU RED Standard
 - <http://www.renewablefuelsagency.gov.uk/reportsandpublications>
- ❖ **Latest informal feedback from EC:** no compatibility issues; RSB EU RED Package in the first round of schemes to be recognized
- ❖ **ISEAL Alliance and its members are concerned** about the length and transparency of the recognition process



Current Situation regarding Sustainability Standards and Regulations

- ❖ Numerous Voluntary Standards for different types of Biomass/Biofuels, in different regions of the world



- ❖ Numerous Regulations in different regions



- Inter-regional compliance expensive, or impossible
- Multiple certifications required for regions, feedstocks
- Complex compliance, especially for international use & airlines
 - Various regional standards not compatible
 - Voluntary and regulatory standards not compatible



Energy Center

Practical short/mid-term approach

- ❖ **Sustainability Standards Transparency Initiative**
- ❖ Development of a **credible comparison** tool allowing for mutual recognition of and **interoperability between standards and with regulations**
- ❖ **Enables companies to make informed choices what certification to seek**
- ❖ **Alliance** of partners: Sustainable Biomass Consortium (EPFL/Boeing) , RSB, ISEAL, GIZ (former GTZ), Rainforest Alliance, FSC, RTRS, RSPO, Bonsucro (BSI)
- ❖ Costs mainly covered by SB Consortium and GIZ
- ❖ **Activities:**
 - Practical comparison of voluntary standard systems, including implementation
 - Practical comparison of voluntary standards and regulatory approaches
 - Development of software tool to allow comparison



Energy Center

Key Messages

- ❖ RSB offers a **global** and **holistic, credible** and **practical** system
- ❖ EU RED recognition in process
- ❖ German recognition of RSB about to be finalized
- ❖ **RSB Certification soon open for business!**
- ❖ **Event launching RSB Certification System at WBM 2011:**
 - March 23 – Tokyo Room (14.00 and 16.15): Free entrance!



Contact Information



RSB Secretariat

Sebastien.haye@epfl.ch

<http://www.rsb.org>

