

**QUOVADIS WORKSHOP
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**ERFO's views
on Solid Recovered Fuel developments**

Bernard LANFRANCHI



EUROPEAN COMMISSION
DIRECTORATE GENERAL JRC
JOINT RESEARCH CENTRE
Institute for Environment and Sustainability
H-06 Soil and Waste Unit



WHO IS ERFO ?

- **European Recovered Fuel Organisation**
- **A non profit association, based in Brussels**
- **Purpose**
 - **Represent European companies which produce fuels prepared from non-hazardous waste**
 - **Promote the use of such recovered fuels within the frame of sustainable development**
 - **Help establish high quality standards for such fuels at European level**



ERFO'S MEMBERS

- **AVR-Afvalverwerking**
- **CBR**
- **Essent Milieu**
- **Holcim Group Support France**
- **Onyx**
- **Indaver**
- **Pirelli & C. Ambiente**
- **Pirkanmaan Jätehuolto Oy Tampere**
- **Remondis**
- **Scoribel**
- **Sistema ECODECO**
- **SITA Belgium**
- **Shanks Nederland**
- **Van Gansewinkel Nederland**
- **Waste to Energy**



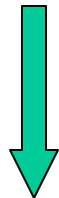
ADVANTAGES OF RECOVERED FUELS

- **Recovered fuels often substitute primary fossil fuels, thus allowing a limitation of their importing into Europe**
- **Recovered fuels constitute a valuable solution to treat some waste fractions, particularly those which cannot be easily recycled**
- **The use of recovered fuels can help save high amounts of CO₂ emissions**
- **Various components of recovered fuels constitute a renewable source of energy**



PUBLIC TRUST FOR RECOVERED FUELS

- **Recovered fuels must gain public acceptance, trust and confidence**
- **Public trust is only possible if the conditions for preparation, transport and use of recovered fuels are stringent, transparent and easily controllable**
- **Standardisation is a must**



- **Solid Recovered Fuels (SRF)**



ERFO'S INVOLVEMENT SINCE 2002

- **SRF standardisation work within CEN / TC 343**
- **Participation in R&D programs**
 - **TAUW : pre-normative research on sampling, sample preparation and determination of biomass content**
 - **QUOVADIS : validation of Technical Specifications, Quality Management system and perspectives in new EU countries**
- **Participation in debates, works and lobbying activities related to SRFs**
- **Main contribution to the SRF chapter of the Waste BREF**



QUOVADIS CO-FINANCING INDUSTRIES

- **ERFO : recovered fuel producers – 15 companies**
- **CEMBUREAU : cement producers – 25 members (national associations & companies)**
- **CEPI : paper & pulp producers -19 countries, 900 companies**
- **PLASTICS EUROPE : plastic raw material producers – 50 companies**



QUOVADIS : SRF RELATED MAIN FOCUS BY CO-FINANCERS

- **ERFO : sampling, QMS, biogenic/biomass content determination method**
- **CEMBUREAU : classification, biogenic/biomass content determination method**
- **CEPI : biogenic content**
- **PLASTICS EUROPE : generic (recovery)**



QUOVADIS CO-FINANCING

WP	partner		total eligible costs	contribution EU	contribution industry	Plastics Europe	Cembureau	CEPI	ERFO
2	INFA	SRF data base, classification	42834	19789	23 045	2 150	9240	9237	2418
	CREED	implementation QMS on SRF production site	82945	38321	44 624				44624
	RWE Umwelt	implementation QMS on SRF production site	58624	27084	31 540				31540
3	Scoribel	characterisation validation material	41279	19071	22 208				22208
	IVD	production fly-ash for validation chemical analysis	46212	21350	24 862				24862
4	Tauw	validation of sampling	120446	55646	64 800	26350			38450
	INFA	analytic support	40835	18866	21 969				21969
	VTT	sampling on site	8595	3971	4 624				4624
7	INFA	method determination biogenic/biodegradable	71605	33082	38 523		19260	19 263	
					0				
	total		513375	237179	276195	28500	28500	28500	190695



ERFO'S VIEWS ON PENDING ISSUES FOR SRF

- **SRF must be distinguished from other waste derived fuels; declaration of conformity should be a minimum requirement**
- **SRF should be qualified**
 - **as as specific (non hazardous) entry on the European Waste Catalog**
 - **as as specific entry on the green list of waste**
- **SRF name / qualification should be protected**



RECOVERED FUELS IN EUROPE

- **The contrasting situation of recovered fuels practices and rules in Europe still hinders a smooth production and trade of SRFs**
- **Uncertainties associated with some national regulations represent an opportunity for SRF developments (examples)**
 - **Germany : implementation of July 2005 landfill ban**
 - **United Kingdom: MBT projects**
- **Advent of SRF standard (Technical Specifications) in 2005 should help to ease these differences**



RULES FOR SRF USE

- **Three levels of rules for SRFs**
 - **Standards (CEN TC/343)** : SRF are to be prepared according to technical standards
 - **Waste legislation (EU)** : SRFs are to be utilised for energy recovery in incineration or co-incineration plants
 - **Certification** : in principle not mandatory, in practice strongly encouraged by ERFO
- **Actual implementation of rules will be a decisive success factor**



SRF FUTURE

ERFO will continue to support all technical, legislative and regulatory initiatives and works related to SRF, and will see that they meet the principles laid down in the ERFO's charter

THANK YOU

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