

# Factors limiting use of Short Rotation Coppice for wastewater purification and sewage sludge utilisation

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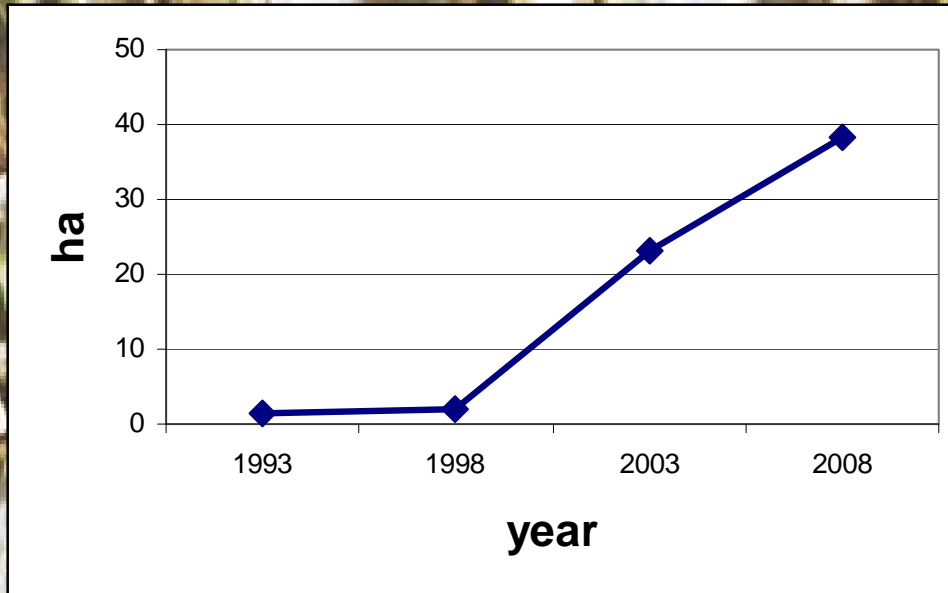
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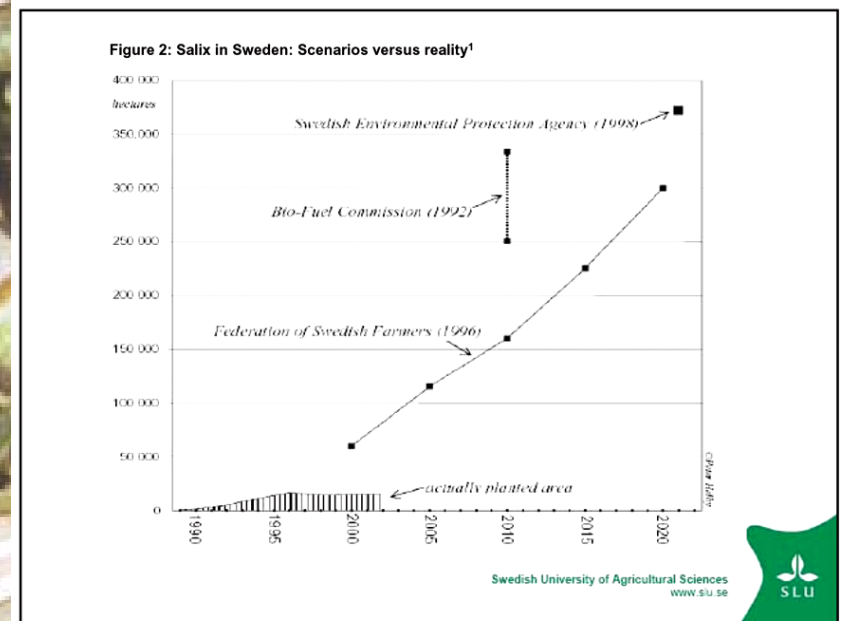
# Greetings from Estonia



# Willow SRC plans



Plans for 2008:  
800 ha (2002)



# BIOPROS project ([www.biopros.info](http://www.biopros.info))



5 SRC  
plantations:

- Bulgaria
- Spain
- Estonia
- Poland
- Germany

# Situation 2007: Bulgaria

- Uncertain land usage possibilities make long-term investments impossible
- Rural socio-economical situation does not support long-term agricultural investments



# Situation 2007: Poland

- Ineffective land preparation and poor weed control can destroy young plantations
- Environmental risks due to SRC development in areas of high biodiversity (river banks)

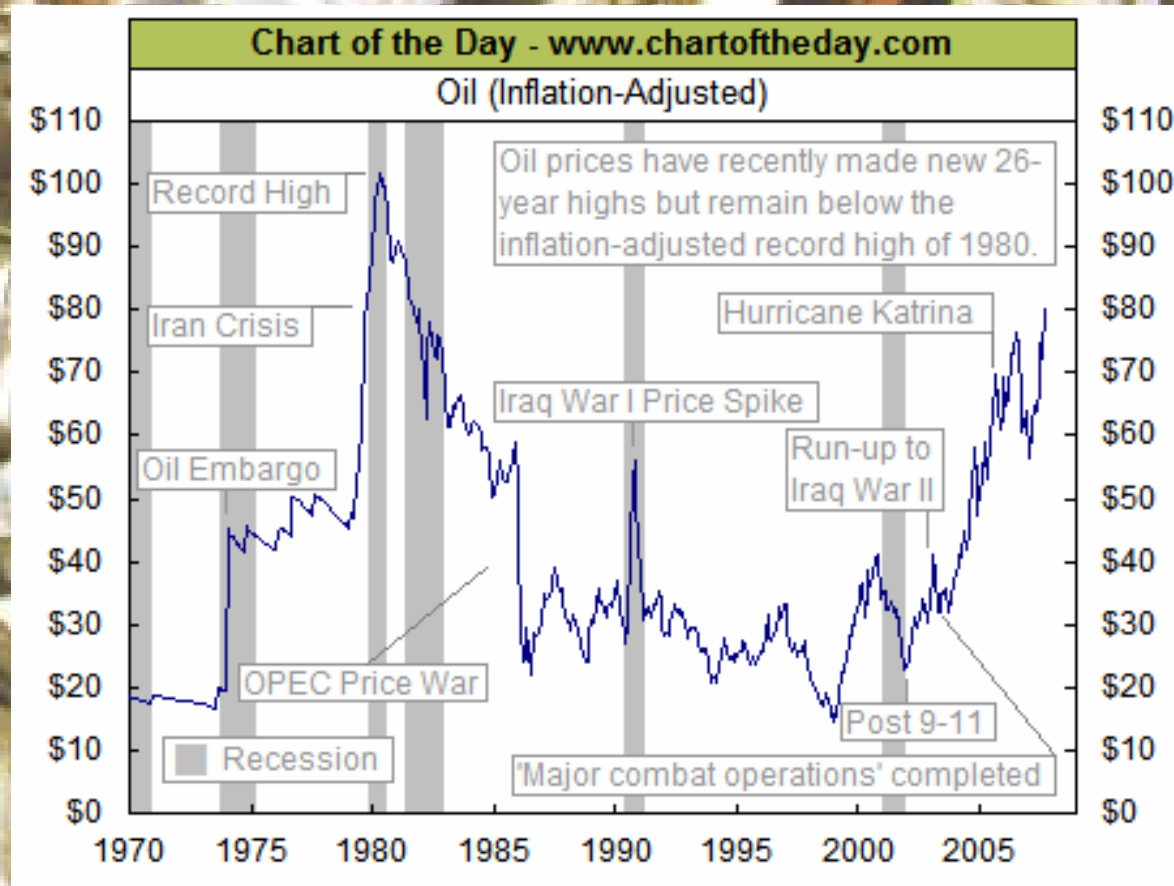


# Situation 2007: Estonia

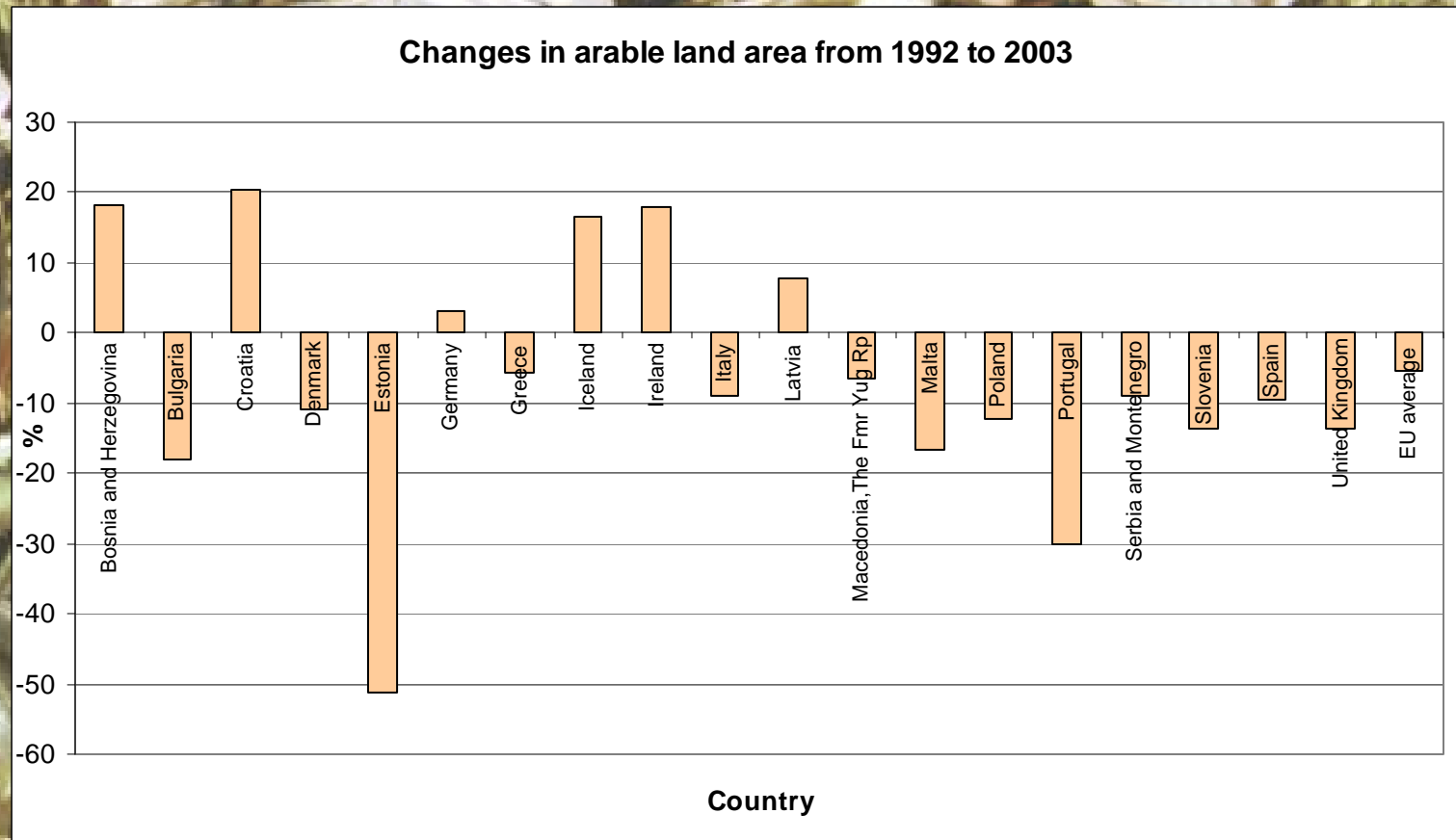
- Lack of domestic planting material may result in poor quality of imported planting material and cause high investment costs
- Economically ineffective harvesting methods



# Unavoidable factors: fluctuating oil price



# Unavoidable factors: land availability



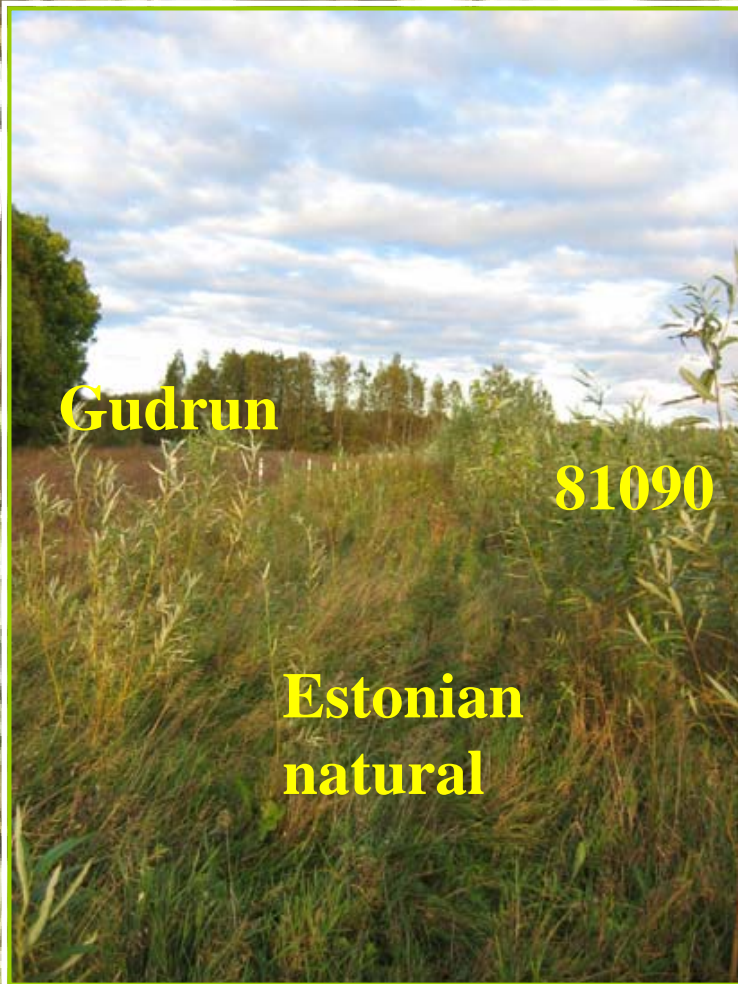
# Promotion options: Subsidy system

Axis	Number	Measure / sub-measure / activity	Article	Code	
1	1.1	Training and information activities	21	111	
	1.2	Setting-up of young agricultural producers	22	112	
	1.3	Support for advisory system and services		24, 25	114, 115
		Granting advisory service to agricultural producers and private forest holders		24	114
		Development of advisory system for ensuring good availability of advisory service		25	115
	1.4	<b>Modernisation of agricultural holdings</b>			
	1.4.1	Investments into the development of micro agricultural holdings	26	121	
	1.4.2	Investments in livestock buildings			
	1.4.3	Investments into the production of bioenergy			
	1.5	Improving the economic value of forests and adding value to forestry products		27, 28, 48	122, 123, 226
		Improving the economic value of forests		27	122
		Restoration of damaged forest and prevention of forest fires		48	226
		Implementation of development projects			28 123
1.6	Adding value to agricultural and non-wood forestry products		28	125	
1.7	Development of new products, processes and technologies in the sectors of agriculture, food and forestry		26, 29	121, 124	
1.7.1	Co-operation in the development of new products, processes and technologies in the sectors of agriculture, food and forestry		26, 29	121, 124	
1.8	Infrastructure of agriculture and forest management		30	125	
2	2.1	Support for less-favoured areas	37	212	
	2.2	Natura 2000 support for agricultural land	38	213	
	2.3	<b>Agri-environmental support</b>			
	2.3.1	Environmentally friendly management	39	214	
	2.3.2	Support for organic production			
	2.3.3	Support for keeping animals of local endangered breeds			
	2.3.4	Support for growing plants of local varieties			
	2.3.5	Support for the maintenance of semi-natural habitats			
	2.4	Animal welfare: support for grazing animals		40	215
	2.5	<b>Non-productive investments</b>			
	2.5.1	Support for the establishment and restoration of stonewalls	41	216	
	2.5.2	Support for the establishment of mixed species hedgerows			
	2.6	Support for the establishment of protection forest on agricultural land		43	221
2.7	Natura 2000 support for private forest land		46	224	
3	3.1	<b>Diversification of the rural economy</b>		53, 54, 55 311, 312, 313	
	3.1.1	Diversification into non-agricultural activities		53, 55 311, 313	
	3.1.2	Support for business development		54, 55 312, 313	
	3.2	<b>Village renewal and development</b>		56, 57 321, 322, 323	
	3.2.1	Basic services for the economy and rural population		56 321	
	3.2.2	Village renewal and development		56 322	
	3.2.3	Conservation and upgrading of the rural heritage		57 323	
4	4.	<b>Leader-measure</b>	61, 62, 63, 64, 65	41, 42, 431	

Subsidy system should be:

- Stabile
- Simplified
- Sustainable
- Supporting best practice, longer commitment

# Promotion options: Breeding network



Also for *Salix*:

- International co-operation
- Including various climate conditions
- Improved database about nurseries
- Information about sort characteristics

# Promotion options: cost reduction & environmental benefits

Usage of wastewater and sludge for SRC cultivation:

- Lobby concerning different regulation for technical crops
- Long-term monitoring activities
- Larger co-operation between biomass producers, environmentalists and wastewater purification technicians





**Thank you for your attention!**

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