

Implementation of EU biofuels policies at country level

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Introduction

- We reviewed relevant Laws which are adapted to promote the use of biofuels in the EU.

- Aim of this study is:

- 1) Understand the legal aspect of biofuel usage,
- 2) Ways EU member states implemented this policies in their national legislations.

Methodology

Research

- EU directives
- Outline three State members

Directives

- FQD (2009)
- RED I (2009)
- ILUC (2015)
- RED II (2018)

Comparison

Member states implementation

Factors

- Transport
- Electricity
- Heating

Fig. 1. Research progress

Conclusion

- A number of directives cover biofuels use in the EU including the ILUC-Directive 2015/1513/EU, Renewable Energy Directive (EU) 2018/2001, Renewable Energy Directive 2009/28/EC (RED), the Fuel Quality Directive 2009/30/EC (FQD) and the earlier Biofuels Directive 2003/30/EC.

- RED II (2018) establishes an overall policy for the promotion and use of energy from renewable sources in the European Union.

- ILUC (2015) can occur when pasture or agricultural land previously destined for food and feed markets is diverted to biofuel production.

- FQD (2009) Directive is a target for the reduction of life cycle greenhouse gas emissions in respect of road vehicles, and non-road mobile machinery.

- RED I (2009) establishes a common framework for the promotion of energy from renewable sources.

Results and Discussion

National biofuel legislations

Ireland

1. S.I. No. 147/2011
2. S.I. No. 148/2011
3. Act 2010

Portugal

1. Decree-Law No.117/2010
2. Decree-Law No. 142/2010
3. Ordinance No. 8/2012
4. Decree-Law No. 6/2012
5. Decree-Law No. 15-C/2017

Latvia

1. Cabinet Regulation No. 545,
2. Cabinet Regulation No. 772,
3. Cabinet Regulation No. 332

Fig. 2. Three state member legislations in biofuel and renewable energy resources

EU Directive aims

Directives	FQD	RED I	ILUC	RED II
Target	20% reduction in greenhouse gas emissions by 2020	Achieve 20% of renewables and at least 10% of the transportation fuel come from RES*	limit the use of food-based biofuels to 5%	EU-wide RES target of 32% by 2030

* Renewable Energy Sources

Countries progress

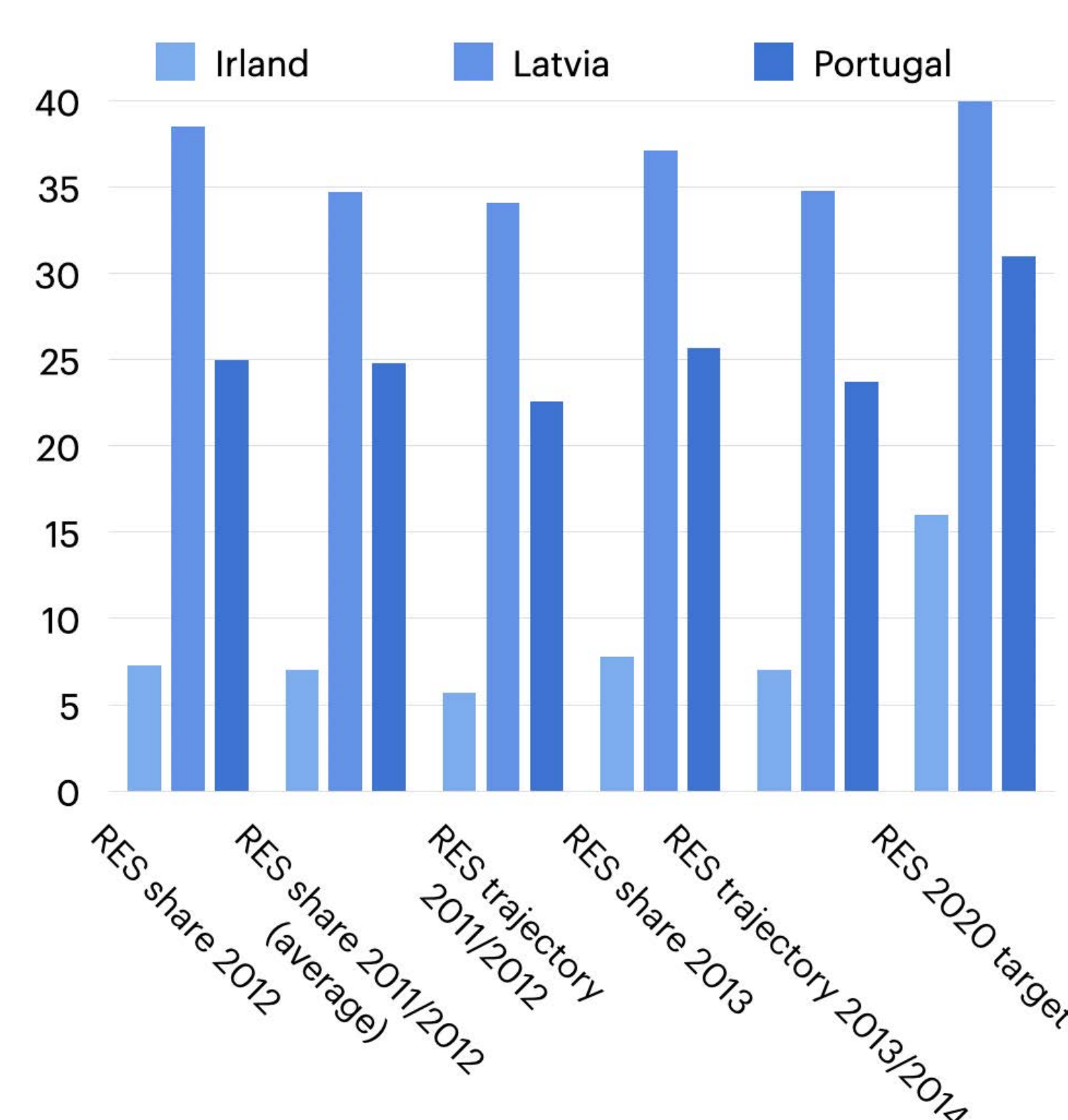


Fig. 3. Progress towards 2020 targets in renewable energy (%)

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