Jacques Delors Institute

European Think-tank

Created by Jacques Delors

Two offices: Paris & Berlin
FROM THE EUROPEAN ENERGY COMMUNITY TO THE ENERGY UNION
A POLICY PROPOSAL FOR THE SHORT AND THE LONG TERM

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and Jean-Arnold VINOIS
Foreword by Jacques DELORS

MAKING THE ENERGY TRANSITION A EUROPEAN SUCCESS
TACKLING THE DEMOCRATIC, INNOVATION, FINANCING AND SOCIAL CHALLENGES OF THE ENERGY UNION

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Jean-Arnold Vinois
Fulalia Rubio
Sofia Fernandes
Foreword by Jacques Delors and Enrico Letta
Plan

1- Why do we have a European Union?
2- Why do we have a European Energy Policy?
3- State of the Energy Union
Europe before the European Union

Blue = Former Maritime Empire

Green = Former Land Empire

Red = Former subject of an Empire

Yellow = Switzerland
European values

✓ Democracy
✓ Rule of law
✓ Secularism
✓ Solidarity
✓ Gender equality

→ To what extent energy policy expresses those values?
Plan

1- Why do we have a European Union?
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EU energy history

1950: Coal (European Coal and Steel Community)
1957: Nuclear (Euratom Treaty)
1957-1996: nothing significant
1996: liberalisation applied to electricity & gas
1997: Kyoto Protocol
2006: first Russo-Ukrainian gas supply crisis
2007-2015: first genuine european energy policy
2015- today: Energy Union
Plan

1- Why do we have a European Union?
2- Why do we have a European Energy Policy?
3- State of the Energy Union
Declining energy demand

European Union Primary Energy Consumption

Declining electricity demand

European Union Electricity Consumption

Source: T. Pellerin-Carin & P. Serkine, Jacques Delors Institute, data from Eurostat
EU Primary Energy Mix (mtoe)

Sources:
Thomas Pellerin-Carlin, Jacques Delors Institute, with data from BP Statistical Review 2016 Excludes biomass
National primary energy mix

Sources:
Jacques Delors Institute, with data from Eurostat
Where we want to be

Energy Union - 6Ds (VP Šefčovič):
✓ Decarbonise and Democratise energy. It requires Decentralisation. This is helped by Digitalisation. It fosters the Diversification of energy supplies and the Disruption traditional energy cycles.

Paris Agreement:
✓ Article 4: objective is global net-zero greenhouse gas emissions by 2050-2100
The Clean Energy Package for All Europeans

- 4.300 pages
- 8 legislative proposals
- 5 non-legislative texts
- Negotiations have started
- Approval by 2018 if
  - 55% of Member States representing 65% of population, and
  - majority of Members of European Parliament
NEW ELECTRICITY MARKET DESIGN
- Changes to Electricity Market Directive 2009/72
- Changes to Electricity Market Regulation 714/2009
- Changes to ACER Regulation 713/2009
- Report on energy prices and costs

SECURITY OF SUPPLY
- Changes to legislation on the risk-preparedness in the electricity sector
- Report on capacity mechanisms

GOVERNANCE
- New regulation on Energy Union Governance

RENEWABLES

ENERGY EFFICIENCY
- Changes to Energy Efficiency Directive 2012/27
- Communication on eco-design for 2016-2019

INNOVATION
- Communication ‘Accelerating clean energy innovation’

MOBILITY
- Communication ‘A European Strategy on cooperative intelligent transport systems’
Timeline for the Energy Union

Timeline:

✓ Oct-Nov 2017: DE coalition agreement
✓ 2018: package-deals on European policies
  - @15-20 → Defence
  - @19 → Eurozone
  - @22 → Schengen
  - @27 → Clean Energy Union
✓ May 2019: European elections
Thank you!

Questions?

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Clean Energy Package for All Europeans

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26 September 2017, CRPM, Brussels
Where we want to be

Energy Union - 6Ds (VP Šefčovič):

✓ **Decarbonise** and **Democratise** energy. It requires **Decentralisation**. This is helped by **Digitalisation**. It fosters the **Diversification** of energy supplies and the **Disruption** traditional energy cycles.

Paris Agreement:

✓ **Article 4:** objective is global **net-zero** greenhouse gas emissions by 2050-2100
Energy Union – what do citizens think?

How important do you think it is that your government provides support for improving energy efficiency (for example, by encouraging people to insulate their home or purchase low energy light bulbs) by 2030? (% - EU28)

92

Total important
Total not important
Don't know

How important do you think it is that your government sets targets to increase the amount of renewable energy used such as wind or solar power, by 2030? (% - EU28)

91

Total important
Total not important
Don't know
Energy Union – what do citizens think?

What is your opinion on the following statement:

A common energy policy among EU member states (% - EU28)

- For: 72%
- Against: 10%
- Don’t know: 18%

Please tell me whether you totally agree, tend to agree, tend to disagree or totally disagree with the following statement:

It is desirable that your country provides assistance to another EU member state facing significant energy supply problems in the name of European solidarity between member states.

- Total agree: 79%
- Total disagree: 15%
- Don’t know: 6%
## Where we are

<table>
<thead>
<tr>
<th>Targets for 2020 (and 2030)</th>
<th>Where are we?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Decrease greenhouse gas emissions</strong></td>
<td><strong>-20% (-40%)</strong></td>
</tr>
<tr>
<td><strong>Increase share of renewables</strong></td>
<td><strong>RES representing 20% of final energy mix (27%)</strong></td>
</tr>
<tr>
<td><strong>Decreasing energy demand</strong></td>
<td><strong>-20% (-27% or -30%)</strong></td>
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