



European
Commission



2030

FRAMEWORKfor**CLIMATE&ENERGY**
#EU2030

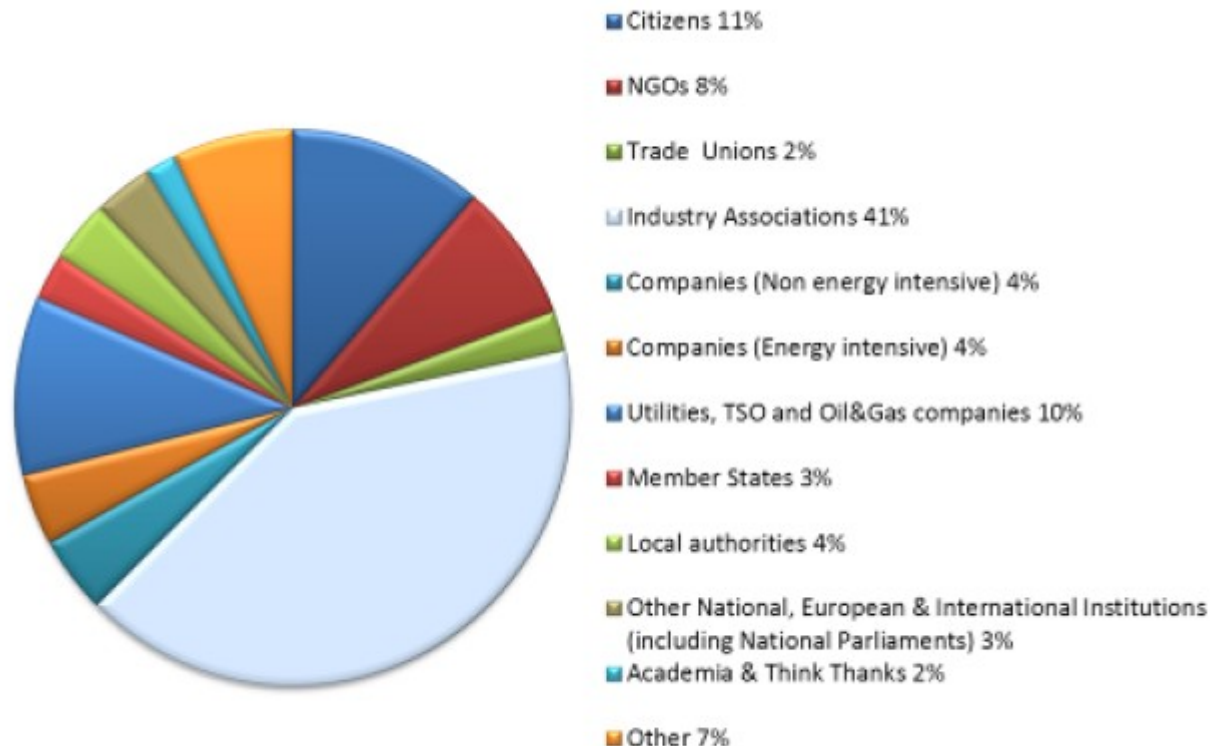
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16.05.2014
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Outline

1. Climate and energy: where do we stand?
2. Why a new framework for 2030?
3. Main elements
4. Challenges and benefits
5. How it works
6. Summary
7. March European Council conclusions
8. Next steps

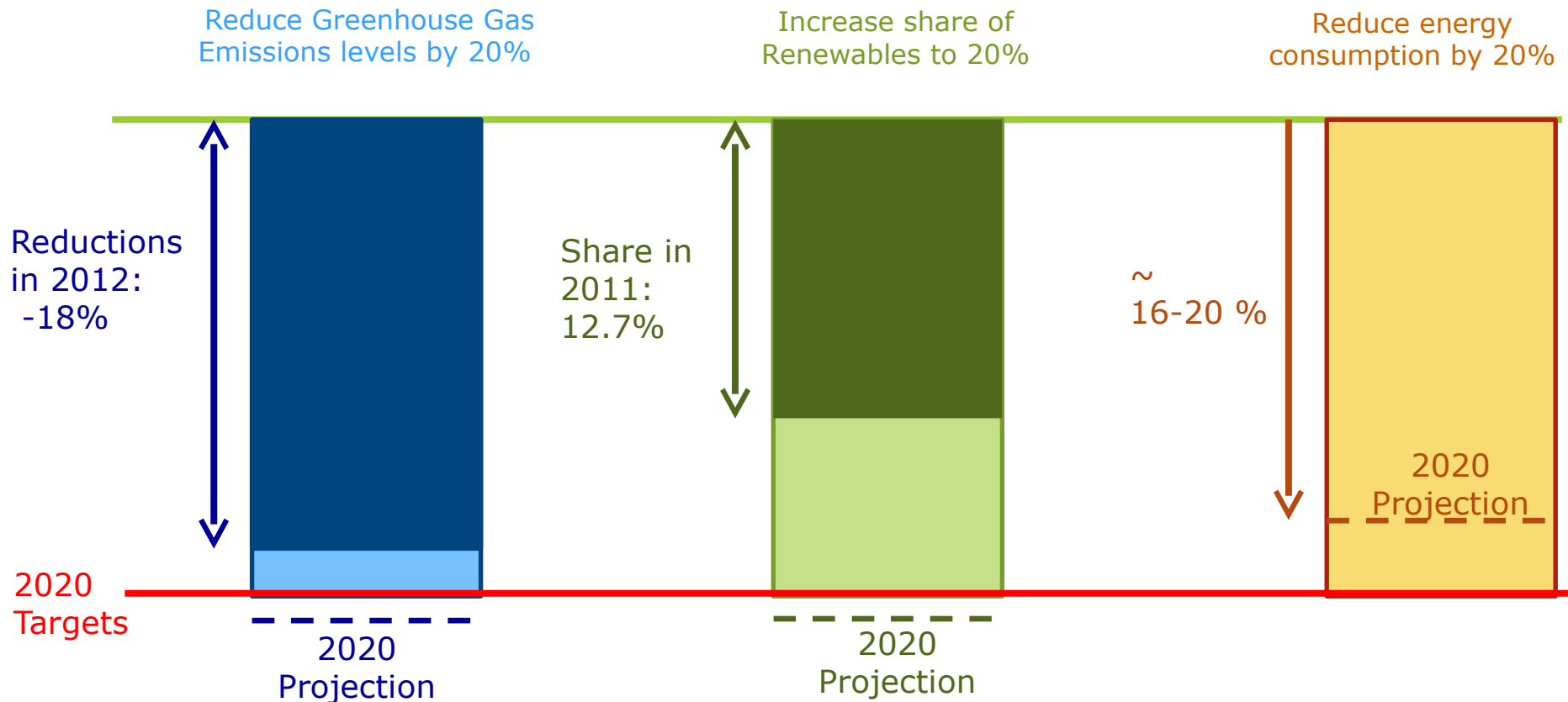
1. **Climate and energy: where do we stand?**

- Learning from existing experience
- Green paper and stakeholder consultation.
- 577 replies



1. Climate and energy: where do we stand?

Progress towards the 2020 goals



1. Climate and energy: where do we stand?

Main changes

Renewable energy saw rapid cost decreases
Technologies are gradually becoming competitive

Impact of the financial crisis
Fall in private investment, tight financing conditions

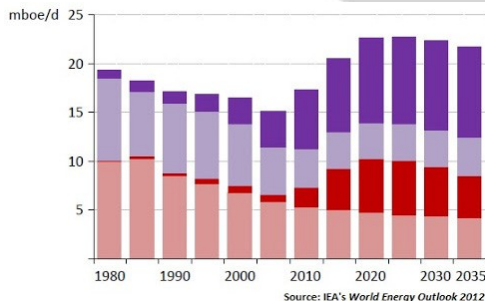
Fukushima



Some countries phase out nuclear power production, others will continue

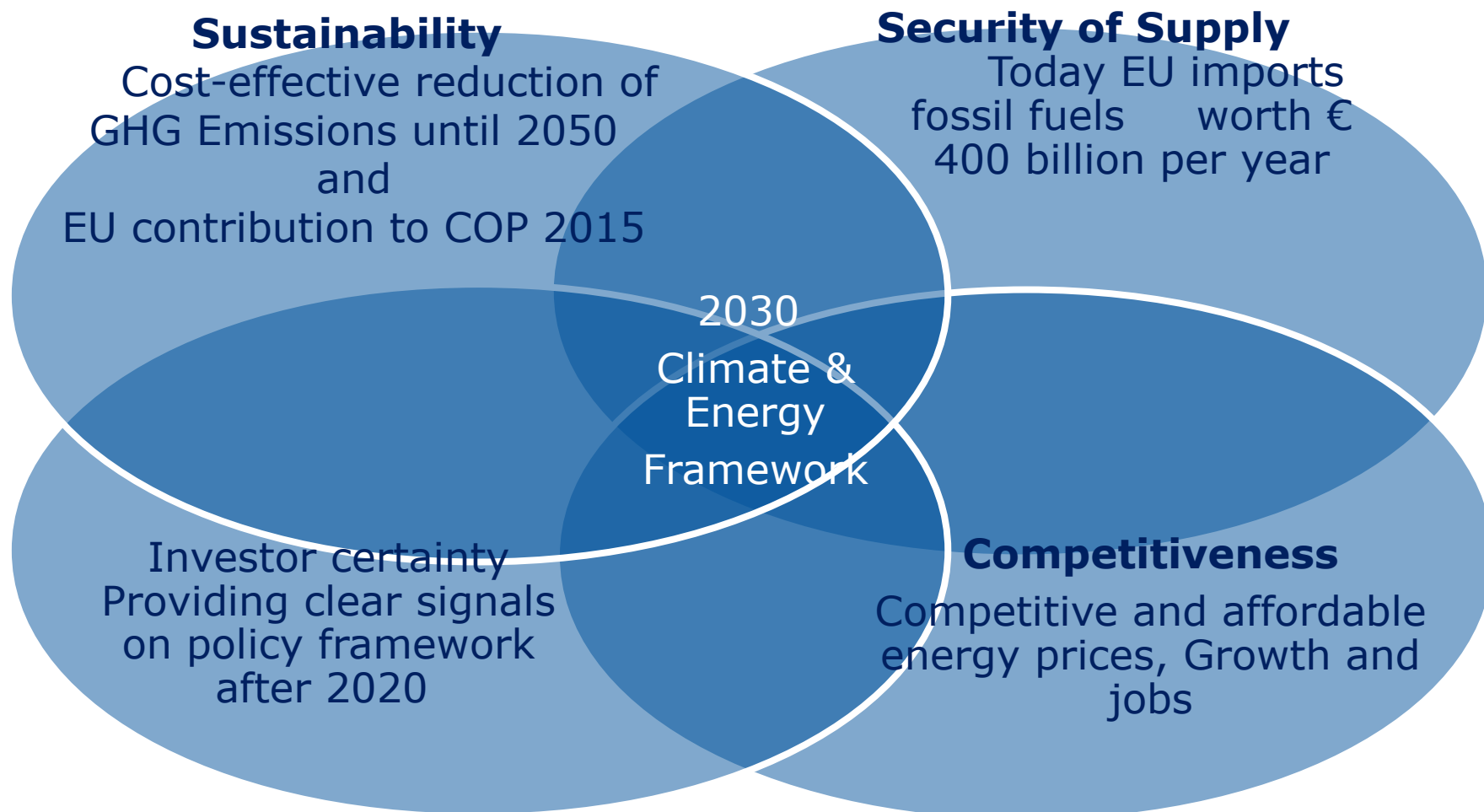
Rising demand
-> rising prices
By 2030, world economy set to double and energy demand to rise by 1/3

Shale gas
US oil and gas production



Unconventional gas
Unconventional oil
Conventional gas
Conventional oil

2. Why a new framework for 2030?



Impact Assessment - Main conclusions

3. Main elements

2020

-20 %
Greenhouse Gas
Emissions

20%
Renewable
Energy

20 %
Energy
Efficiency

2030

-40 %
Greenhouse
Gas
Emissions

□ 27 %
Renewable
Energy



**Review
2014**

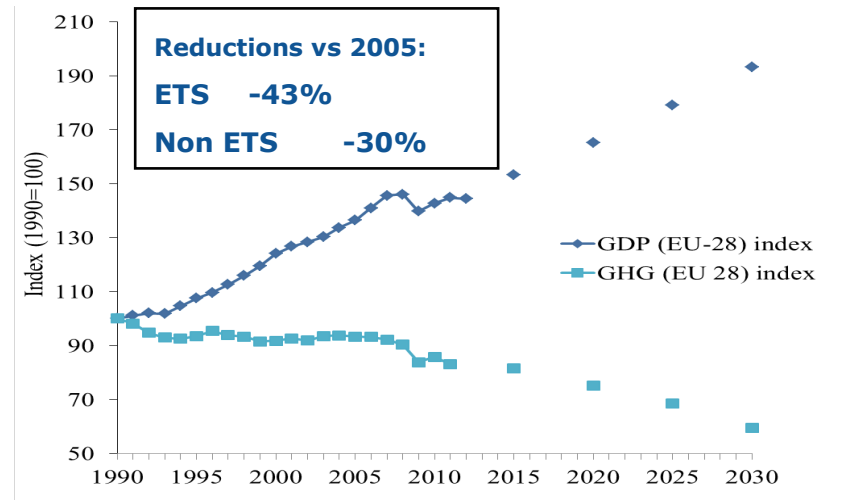
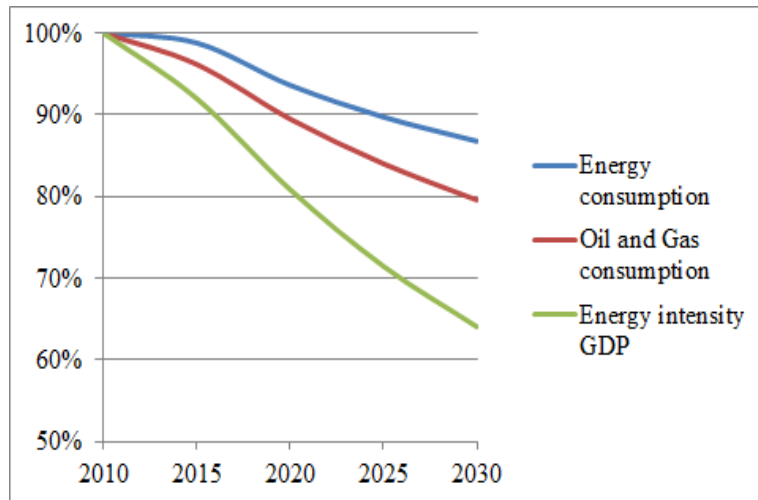
**New Key
Indicators**

New governance system

4. Main challenges...

4. Challenges and benefits

- Decoupling of Gross Domestic Product growth from Greenhouse Gas Emissions will continue



- Energy system costs:** 0.15% of GDP in 2030
- Investments:** additional € 38 billion per year next 2 decades
- Fuel savings:** additional € 18 billion fuel per year next 2 decades
- Energy security:** additional 11% cut in energy imports in 2030
- Innovation:** jobs & growth
- Health and air pollution benefits:** €7-13.5 billion in 2030

5. How it works: GHG target implementation

6. Summary

- **Key elements of the 2030:**
 - ✓ **40% GHG target at EU level (ETS and non-ETS)**
 - ✓ **At least 27% RES target at EU level**
 - ✓ **Exact role of Energy Efficiency *to be determined***
 - ✓ **New Governance System**
 - ✓ **Key indicators for SoS and competitiveness**
 - ✓ **Reform of ETS**

7. March European Council conclusions

- Council to agree on 2030 framework by October 2014
- For June European Council, progress to be made on:
 - MS-level impacts of EU targets for EU GHG reduction and RES
 - Mechanisms for an overall fair effort sharing
 - Measures to prevent carbon leakage in order to ensure competitiveness of Europe's energy-intensive industries
 - Review of Energy Efficiency Directive and EE framework
- Interconnection objectives to be attained by 2030
- In-depth study on EU energy security and plan for the reduction of EU energy dependence by 2030

8. Next steps

At European level

June and October 2014: European Council

European Parliament

Energy Efficiency Directive: 2014 Review and proposals

Emissions Trading System proposal: co-decision procedure

Development/implementation of new governance structure

Competitiveness and energy security indicators

And at international level

2014: Ban Ki-moon Climate Summit of World leaders

2015: contributions from Parties; Paris conference adopts

international agreement

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Takket Stoltenberg for støtten

-Norge er en konstruktiv partner for EU, både som en del av det indre marked gjennom EØS-avtalen, og som en del av Schengen-området. Jeg har benyttet muligheten til å takke statsminister Stoltenberg for den generelt positive holdningen til EUs prioriteringer, spesielt i forbindelse med klima- og miljøstrategien 2020. Vi har diskutert felles temaer, som nord-områdene og Arktis og forholdet til Russland, sa presidenten i Det europeiske råd, Herman van Rompuy etter møtet med Jens Stoltenberg i Brussel i dag.

Stoltenberg skal også møte miljøkommissær Connie Hedegaard og Europakommisjonens president, José Barroso.

[Les mer \(pdf\)...](#)

Seminar on the outcome of the EU summit - 23 June 11:00-12:00

EU Ambassador János Herman will inform about the outcome of the EU summit 17 June. At the summit the EU Heads of State or Government will discuss the new European strategy for jobs and growth, the upcoming G20 summit, the millennium development goals and climate change.

[Click her for more information ...](#)

