



IEA the Technology Collaboration Programs, context, international significance.

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Chair Technology Collaboration Programme

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IEA – The Organisation

Goals: Energy Security, Economic Development, Environmental Awareness, Engagement Worldwide.



Русский 中文网页

ABOUT

NEWSROOM

PUBLICATIONS

TOPICS ▾

COUNTRIES ▾

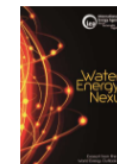
STATISTICS



IEA executive director on official US visit addresses natural gas growth

High-level workshop on strategic role of natural gas at CSIS

RECENT REPORTS



WEO-2016: Water-Energy Nexus

Download this free chapter as an E-PUB



Market Report Series: Oil 2017

Global oil supply to lag demand after 2020 without new investments

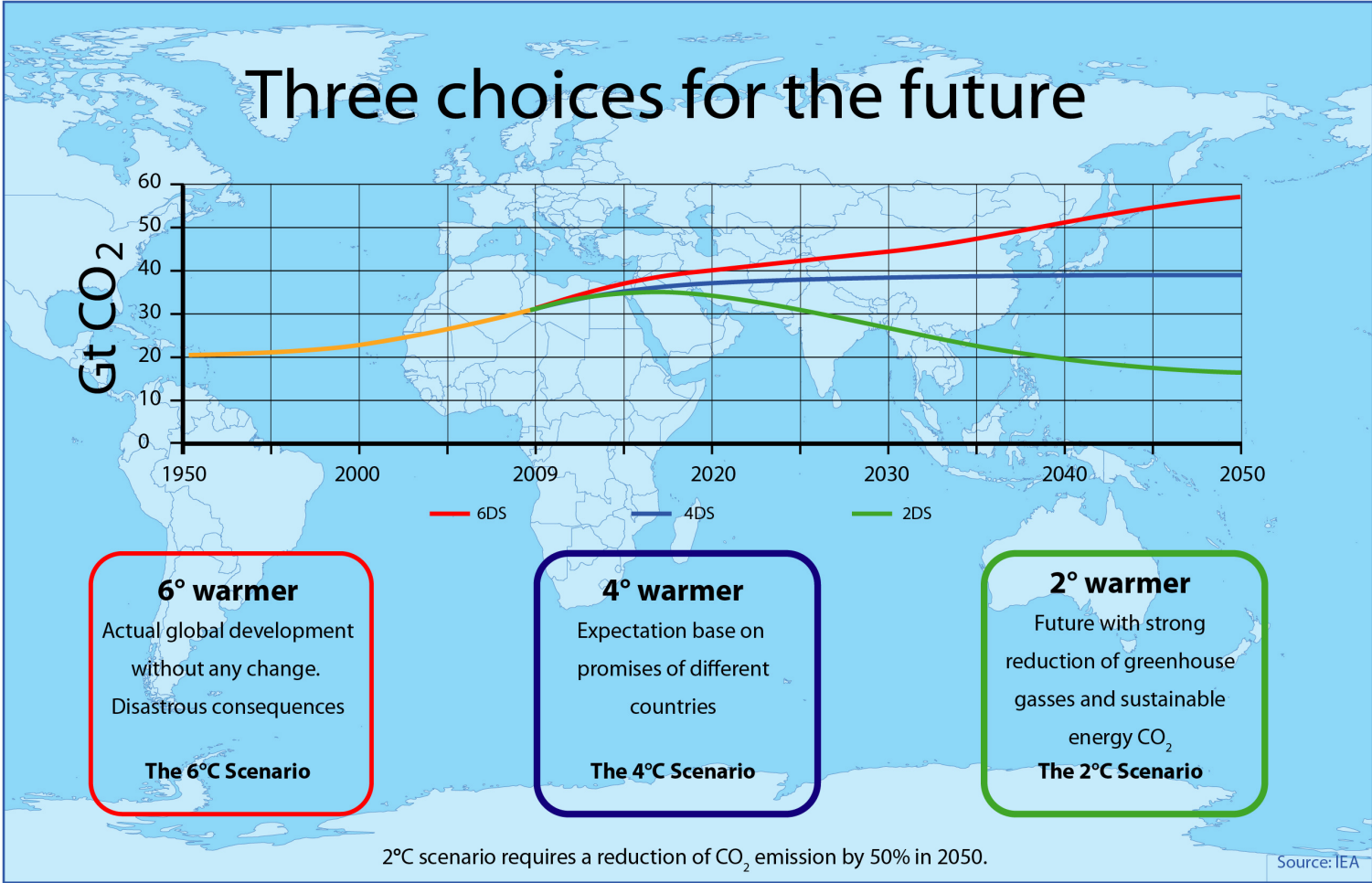


Energy Policies of IEA Countries - New Zealand 2017 Review

This review analyses the energy policy challenges facing New Zealand

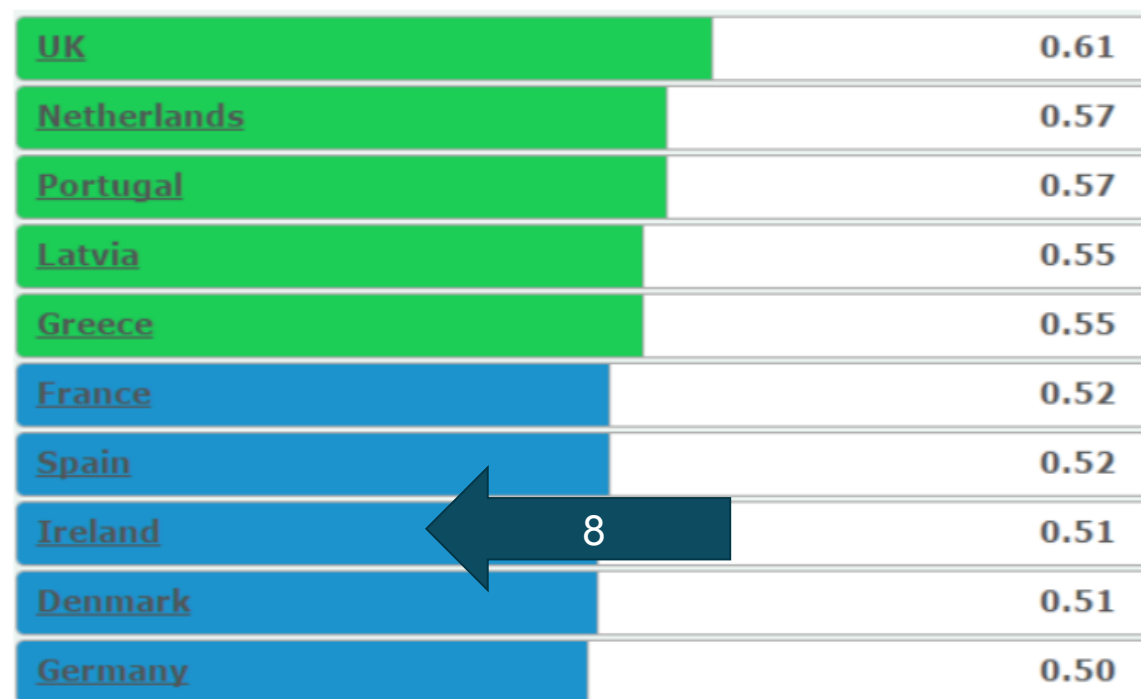
[Head to bookshop >](#)

Environmental Awareness, Engagement Worldwide.



How is Ireland doing???

The ranking of the 10 best performing countries in the EU for overall sectors



For further reading or information, please visit www.odyssee-mure.eu/

Technological Collaboration Programmes, an IEA Tool & DSM, an example

- Established in early nineties (1993)
- 14 Members
 - Austria, Belgium, Finland, India, Ireland, Italy, Netherlands, Norway, Noves Scotia, New Zealand, Korea, Spain, Sweden, Switzerland, United Kingdom, USA
 - European Copper Alliance, R.A.P.
 - Interest from China, Thailand & Middle East
- 25 Tasks (18 finished, 2 not realised, 4 current)



IEA Technology Collaboration Programs

Hardware,
Technology

Compatibility
Applications

Software,

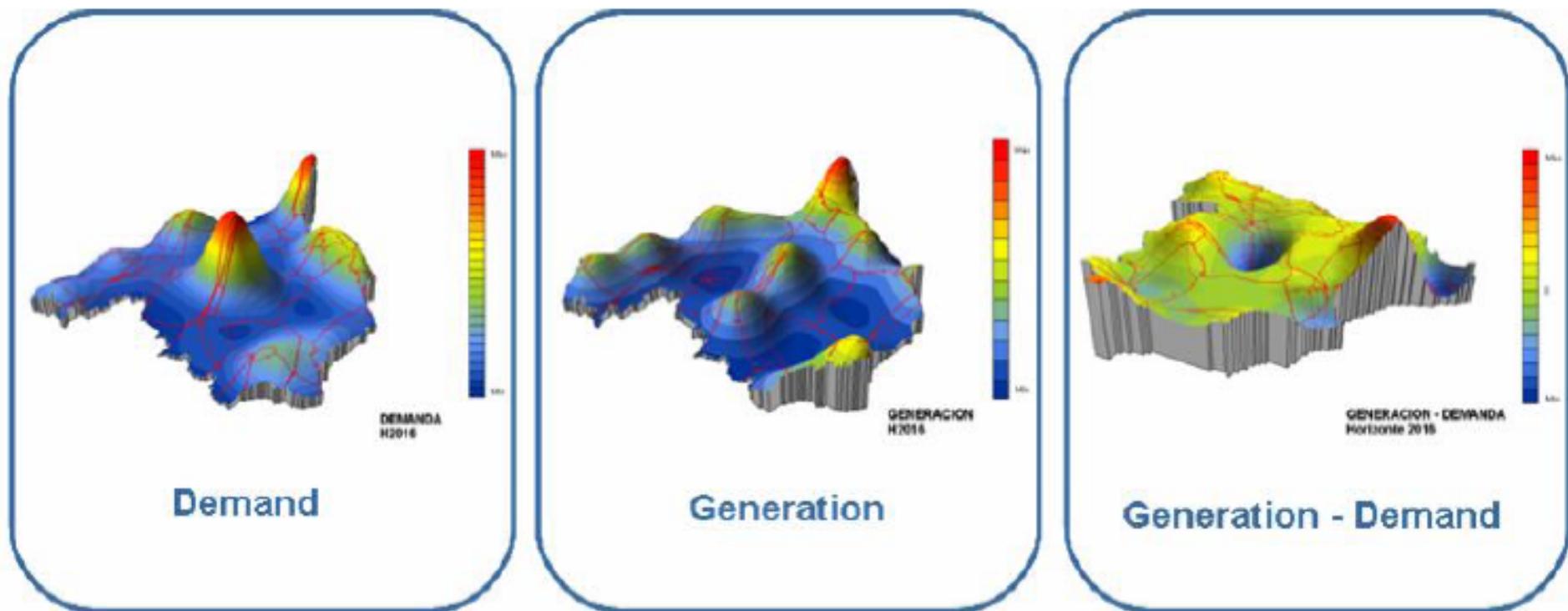
- "Policy"
- Behaviour
- Incentives
- Regulation
- Business

ISGAN, 4E, ECB, SHC, etc.

DSM

It seemed so easy.

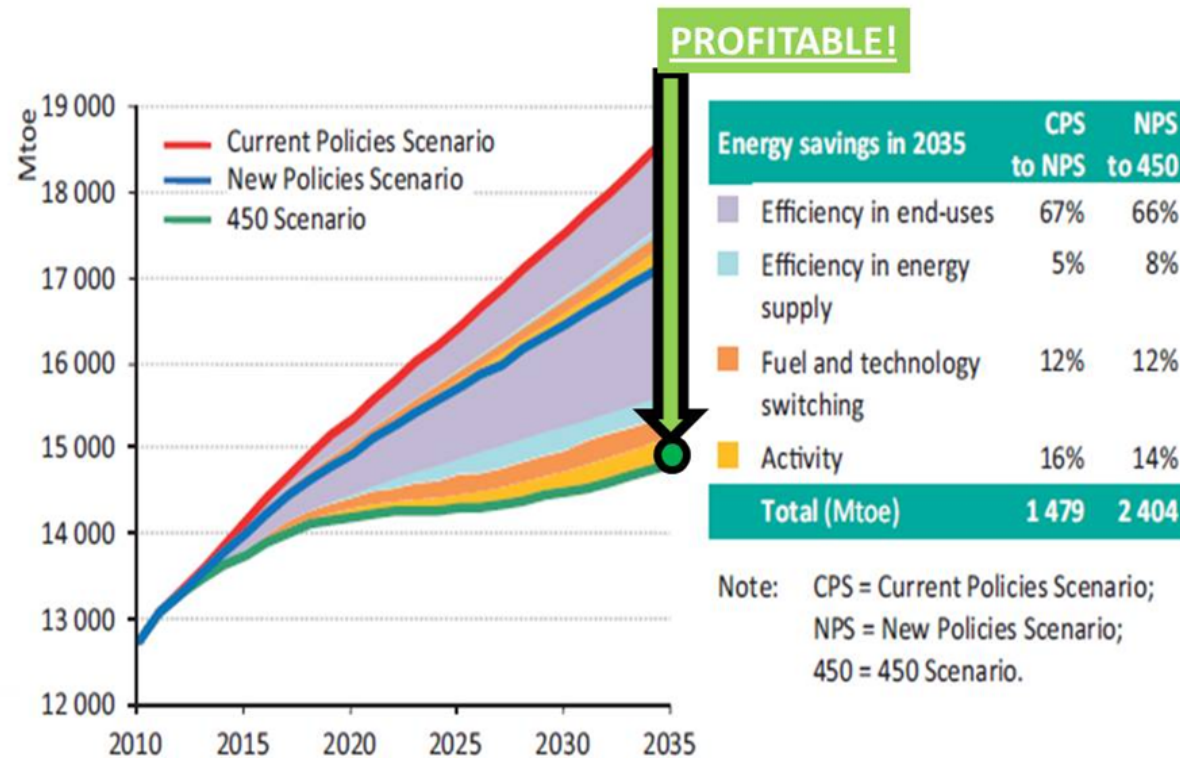
Integration of DSM, DG, RES and storages: Country report of Spain



Load shape & level



Energy Efficiency is Core Business



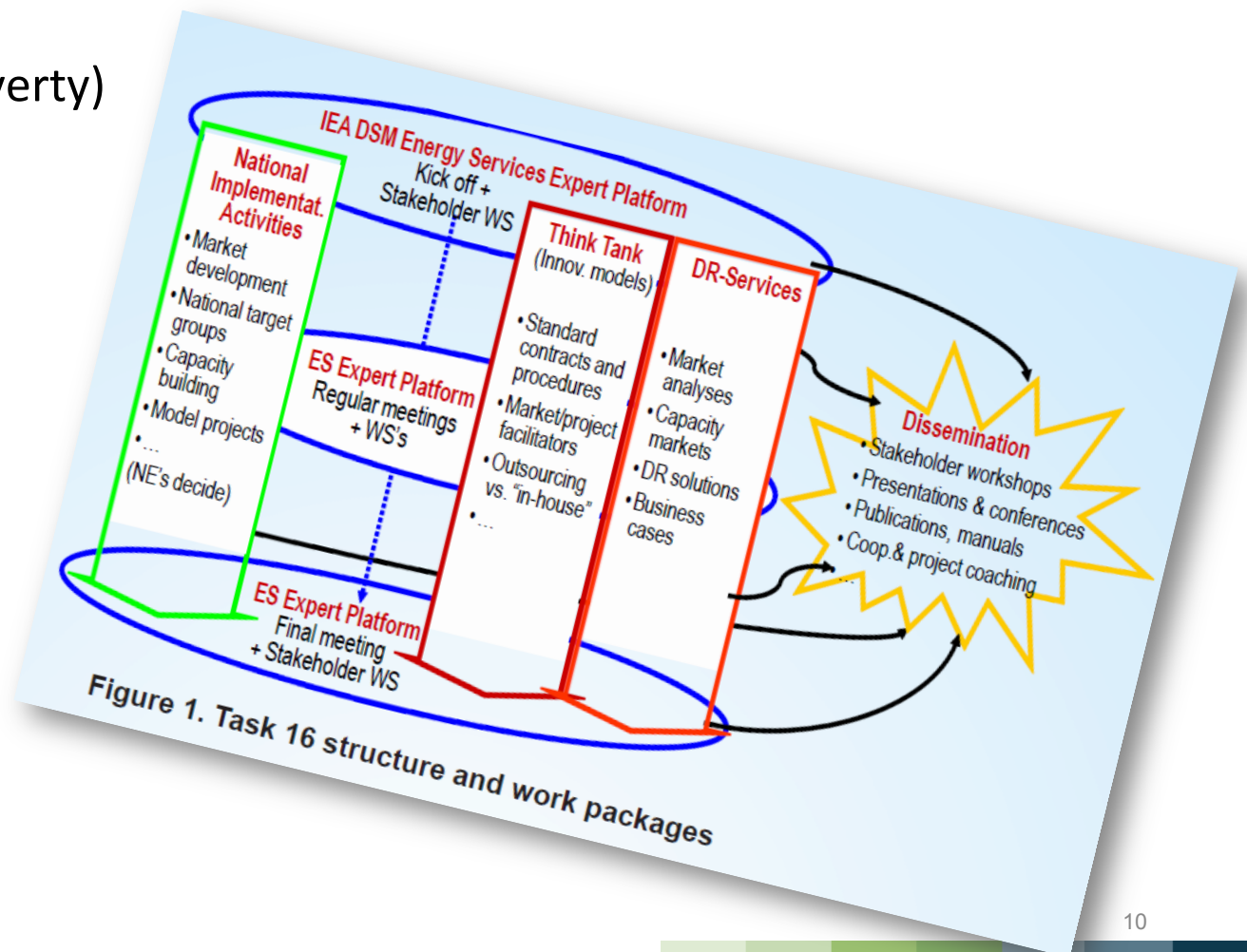
Why don't we do it?

- We want to decide and be in control ourselves.
- We're lazy.
- We're cheap.
- Etc...



We're cheap.

- We usually don't think in terms of energy investment. (both households and business)
- (exception: energy poverty)



We want to decide and be in control ourselves.

- Take end-users seriously (smart meter, smart equipment)
- Offer choices
- Speak their language

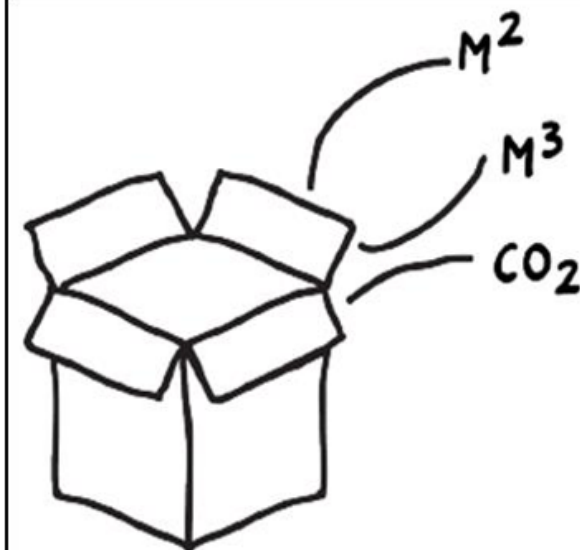


We're lazy

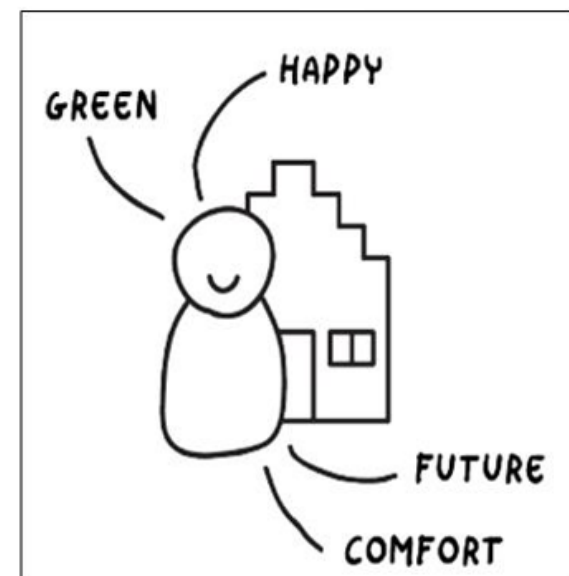
- If we trust the service than we “fix & forget”
- So we need “signals”

SERVICE RULES!

WE: PRODUCT?

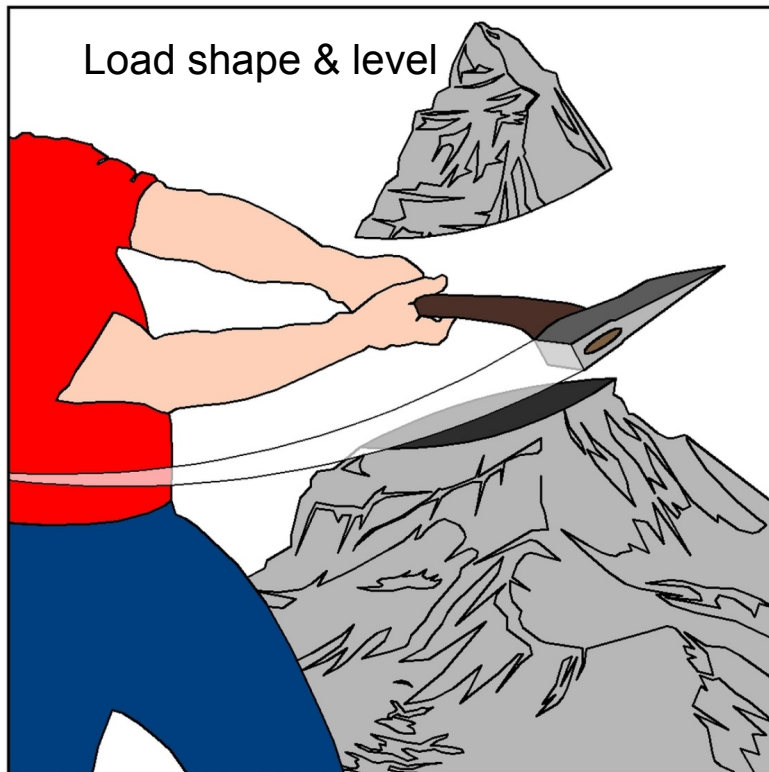


THEY:
Service !



Vision of IEA DSM

- ***Demand side activities should be active elements and the first choice in all energy policy decisions designed to create more reliable and more sustainable energy systems***



The ranking of the 10 best performing countries in the EU for overall sectors

UK	0.61
Netherlands	0.57
Portugal	0.57
Latvia	0.55
Greece	0.55
France	0.52
Spain	0.52
Ireland	0.51
Denmark	0.51
Germany	0.50

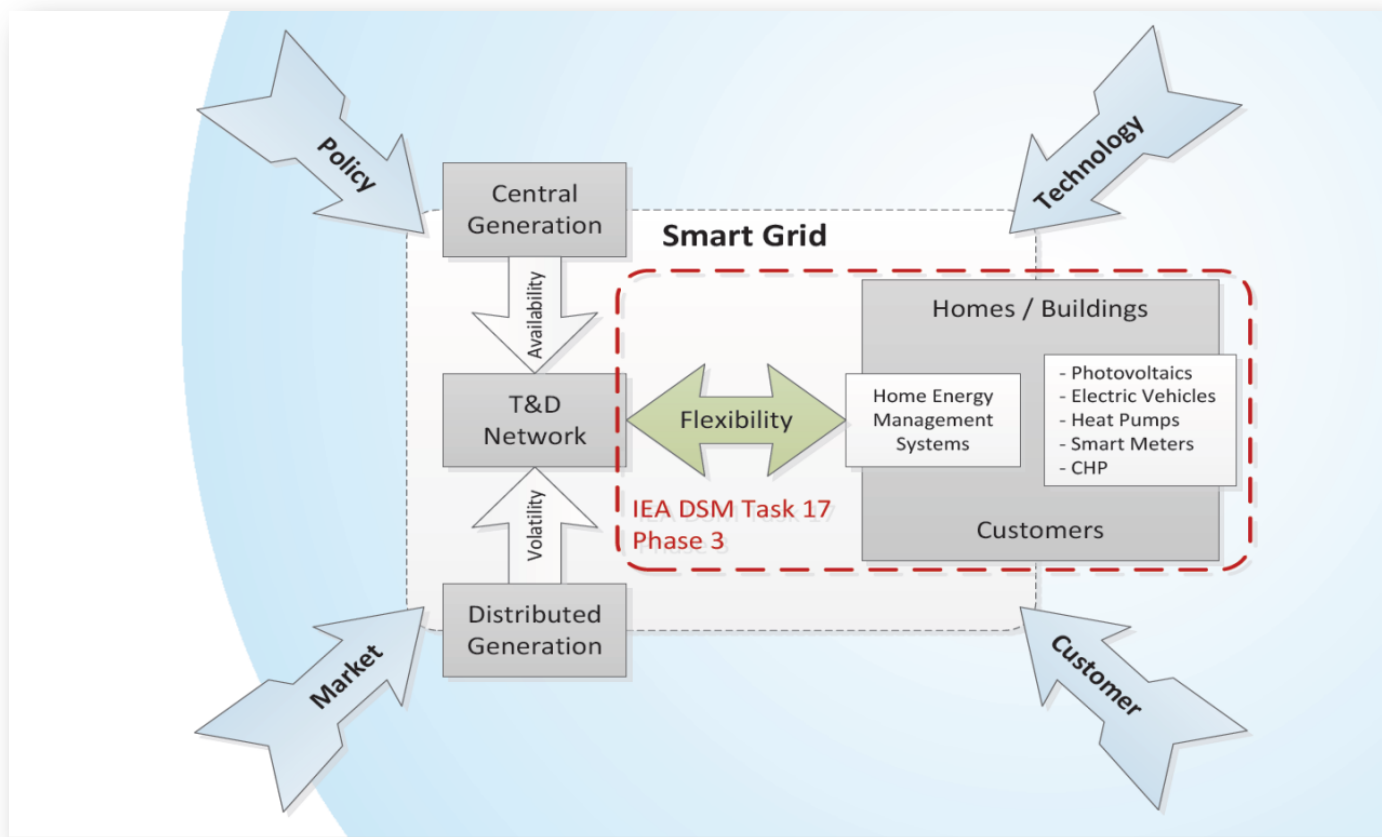
For further reading or information, please visit www.odyssee-mure.eu/

And this core business has to be:

- **Visible**
- **Priority**
- **Affordability**
- **Normal**
- **Real**
- **Realisable**



The work will not be finished “in our lifetime”





Summary of present work

- Innovative Energy Services (Energy Contracting, ESCo Services)
- Integration of Demand Side Management, Energy Efficiency, Distributed Generation and Renewable Energy Sources
- Closing the Loop - Behavior Change in DSM: Helping the Behaviour Changers
- [Business Models for a more effective uptake of DSM energy services](#)

All them details...



And more details

DSM Spotlight

The Newsletter of the International Energy Agency Demand-Side Management Programme

december
2015



IEA Energy Efficiency Reducing Energy Bills

Energy efficiency improvements since 1990 in IEA member countries saved over USD 550 billion in energy expenditure by 2014 – larger than the European Union's annual fuel import bill. In the Energy Efficiency Market Report 2015, the IEA states that over the last 25 years energy efficiency improvements have saved USD 5.7 trillion in energy expenditures in the IEA's 29 member countries. "Energy efficiency is a virtual supply of energy, meeting energy services for business and consumers while reducing their energy costs", notes the IEA.

Energy efficiency is not only reducing energy bills for consumers, it is helping governments improve energy security by reducing imports and lowering exposure to

the international energy market. The Energy Efficiency Market Report shows that in 2014, the energy efficiency investments since 1990 have enabled the IEA member countries to avoid USD 80 billion in fossil fuel imports. Germany avoided USD 30 billion in energy imports and boosted its trade surplus by 12% in 2014 while Japan reduced its trade deficit by 8%.

Per capita energy consumption in IEA countries has fallen to levels not seen since the 1980s, yet income per capita has never been higher and access to energy services is continually expanding. The IEA estimates that energy efficiency investments since 1990 have been the most important factor to explain the flattening of

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Note from the Chairman

Which Way are We Heading?

Two articles recently caught my attention. The first was an article in the Dutch Volkskrant on October 27th with the heading "Energy Companies Have Become Less Green". This newspaper annually ranks energy companies and has concluded they used 5% more coal than the year before, as this was the cheapest option. The German company, RWE/Essent ended in last place with a 3 out of 10 ranking.

The second article, "The Green Oil Man" was published in Politico on September 30th. This article was about Fatih Birol taking the office of Executive Director of the IEA. He wants to turn the IEA into a hub of clean energy. The article contained the statement:

"If there is any energy company in the world which thinks that climate change policies will not affect their business strategies, they are making a grave mistake."

By the time this column is published, the Paris COP Summit will have been held, and even if there is an agreement, there will be details to be dealt with. And,

continued on page 7

And Ireland and Nova Scotia

Member Countries
Austria | Belgium | Finland | India
Italy | Netherlands | New Zealand | Norway | South Korea
Spain | Sweden | Switzerland | United Kingdom | United States

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Thanks (& my details...)

ieadsm energy efficiency

Lid geworden ▾ Delen Meldingen ...

IEA-DSM Openbare groep

Discussie Leden Evenementen Foto's Bestanden

Plaatsen Foto/video Poll Bestand

Voeg informatie toe over je groep.

RECENTE ACTIVITEITEN

Rahul Sharma
Gisteren om 9:15

#iLedtheway

India's LED Bulb Energy Saving Campaign-Bright Idea

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