



Rijksdienst voor Ondernemend
Nederland

Introduction to this workshop and the EGRD

Rob Kool

Chair IEA Experts' Group on
R&D prioritysetting





The group & previous work (1/3)

- Experts' Group on R&D Priority Setting & Evaluation
 - Part of the IEA Technology Network.
 - We organise 2 workshops/annum.
 - Our recommendations support the Committee on Energy Research and Technology (CERT), feed into IEA analysis, and enable a broad perspective of energy technology issues.
 - Work based on a 3 year program.





The group & previous work (2/3)

- The EGRD examines analytical approaches to energy technologies, policies and R&D. As such our recommendations can contribute to:
 - Theory: support of the methodology of priority setting & evaluation
 - “Test results”: discuss IEA work with the “practitioners in the field”: roadmaps (always together with IEA secretariat)
 - Cross-cutting: combine fields of expertise to speed up processes or determine blind spots.



The group & previous work (3/3)

Will a smarter grid lead to smarter end users
—
or vice versa

Smart grid applications at end-user points

IEA Experts' group on R&D Priority Setting and Evaluation
3 – 4 June, 2015
Oslo, Norway

RD&D Needs for Energy
System Climate Preparedness
and Resilience

— Workshop Summary —

13-14 November 2013

IEA Experts' Group on R&D Priority Setting and Evaluation
Utrecht, The Netherlands

Island Energy —
Status and Perspectives
Workshop Summary Report

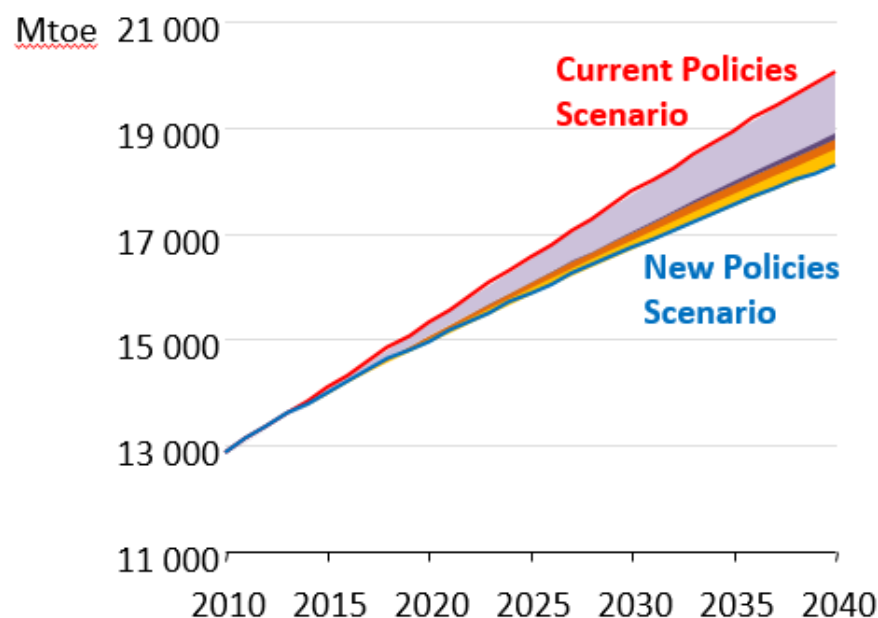
5-6 October, 2015

IEA Experts' Group on R&D Priority Setting and Evaluation
Tokyo, Japan

Energy efficiency is crucial to moderate future energy demand growth

World
Energy
Outlook
2014

Factors contributing to global savings in primary energy demand in the New Policies Scenario relative to the Current Policies Scenario

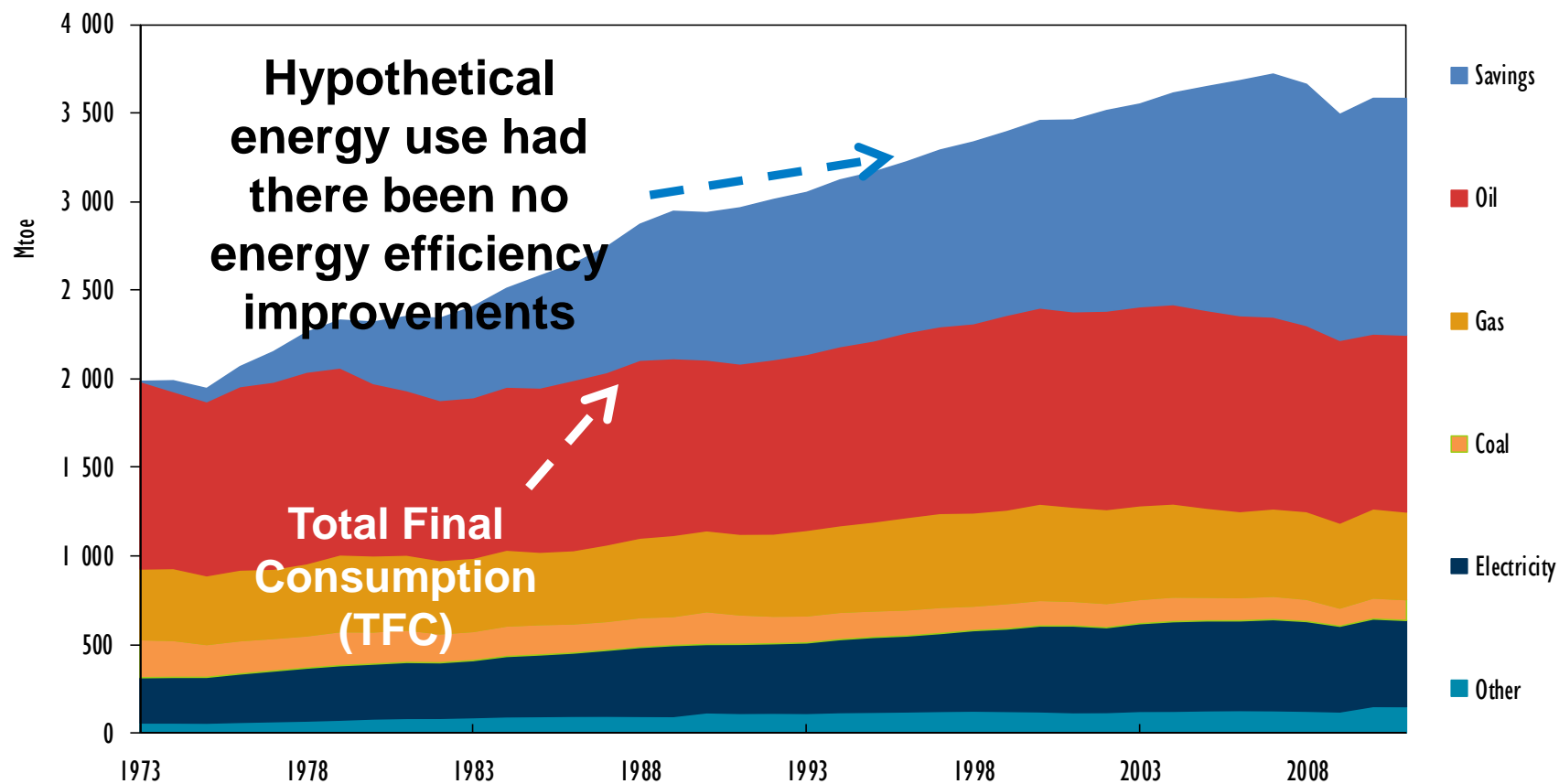


Energy savings in 2040	
Efficiency in end-uses	62%
Efficiency in energy supply	7%
Fuel and technology switching	11%
Reduced energy service demand	21%
Total (Mtoe)	1 750

Global efficiency-related energy savings in 2040 are equivalent to about three-quarters of the EU's current energy demand



Output - Energy efficiency: the 'first fuel' *savings larger than the contribution of any other fuel to TFC in 2012*





Megatrends to deliver cost-effective and major reductions

- Shifts in societal preferences
- Information and communication technologies (ICT) integration
- Electrification of road transportation
- Automated and autonomous road transport



Key topics for this workshop:

Looking for a holistic view by discussing questions on:

- *Technology.*
- *Modal shift.*
- *Modelling/planning.*
- *Policy measures.*




This is how we work..

- We challenge you to answer & debate the questions in the rational during:
 - the presentations
 - the summery
- The results will be presented on the IEA website:
www.iea.org/aboutus/standinggroupsandcommittees/cert/egrp/ (just google: IEA EGRD)
 - Please sign the waver.....
 - A report early next year









Q&A



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Experts' Group on R&D Priority Setting and Evaluation (EGRD)

The EGRD examines analytical approaches to energy technologies, policies, and R&D. The results and recommendations support the Committee on Energy Research and Technology (CERT), feed into IEA analysis, and enable a broad perspective of energy technology issues.

Workshops

- Island Energy - Status and Perspectives (2015)
- Will a Smarter Grid Lead to Smarter End Users - or Vice Versa (2015)
- The Role of Storage in Energy System Flexibility (2014)
- Modelling and Analyses in R&D Priority-Setting and Innovation (2014)
- R&D Needs for Energy System Climate Resilience and Decarbonisation (2013)

Related content

- Free publications
- Workshops
- Affiliated groups
- FAQs on organisation and structure
- Technology Roadmaps