

#### **Communication Excellence**

**PIME 2006** 

Mr.D.McGarry,

Prof. R. Hurst, Mr. R. Houghton

14th February 2006

Institute for Energy (IE)
Petten, The Netherlands

http://ie.jrc.cec.eu.int email:jrc-ie-info@cec.eu.int http://www.jrc.cec.eu.int



### Security of Energy Supply

# Moscow has more than just the price of gas on its mind FINANCIAL TIMES

Russian gas row hits Europe

What the clash means for Ukraine – and for Europe FREQUENTLY ASKED QUESTIONS

Fac +1 212 641 6515

Tuesday January 3 2006

The Kremlin tightens the energy screw

Europe must reduce dependence on Russian gas

## Renewed interest in Nuclear Energy

THE NUCLEAR COMMUNICATIONS NETWORK



N-Power 'Has Role To Play' In Europe, Says EU Energy Commissioner 5 Jan (NucNet): Plans for the introduction of a common EU energy policy were announced by 5 January 2006 / Insider N°1

Mr Piebalgs' announcement followed a speech to a meeting of the Energy Charter Conference\* in a present on a December 2005. In that energy the commissioner outlined some of what he described as European energy commissioner Andris Piebalgs on 4 January 2006. Brussels on 9 December 2005. In that speech, the commissioner outlined some of what he described as

the EU's "major policy initiatives and thinking" including on nuclear related issues.

The commissioner said "central themes" of future proposals would cover decommissioning and waste management and he added that nuclear energy "also has a role to play in those countries which choose to

"For a long time, energy policy had largely been taken for granted, with abundant supplies and relatively stable prices. But the cituation has changed with a graph lighter coord." stable prices. But the situation has changed, with a much tighter energy market and significantly higher prices. It is place therefore that we need together a more coherent strategy and I would like to set out our keep this option open". Highlights of the speech are as follows: stable prices. But the situation has changed, with a much lighter energy marker and significantly higher prices. It is clear therefore that we need together a more coherent strategy and I would like to set the prices. It is clear therefore that we need together a more coherent strategy and I would like to set the prices. It is clear there main areas: how to secure sustainable energy marker and significantly higher three main areas: how to secure sustainable energy explains in the logoer term. prices. It is clear therefore that we need together a more conerent strategy and I would like to set out our thinking on this for three main areas; how to secure sustainable energy supplies in the longer term; the role of the longer term; the role of the longer term and the interestional rolations in our approximation of the longer term. minking on this for three main areas: now to secure sustainable energy supplies in the longer term; the role played by international relations in our energy strategy; and, briefly, our thinking on how to respond to bigher energy prices higher energy prices.



THE NUCLEAR COMMUNICATIONS NETWORK WORLDWAY WORLDWAY OF

Gas Supply Concern Prompts Move Towards Common EU Energy Policy

Andris Plebalts said today that proposals for a common of the proposal policy with the end of 2006.

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A Jan (NucNet): EU ene Gas Supply Concern Prompts Move Towards Common EU Energy Policy European energy policy would be presented to EU member states before the end of 2006.

Mr Plebalds' announcement came as the EU welcomed an appearance of Russian gas delivered to the suppression gas delivered Plebaigs: announcement came as the EU welcomed an agreement for the resumption of gas supplies to Ukraine Plebaigs: announcement came as the EU welcomed to the suspension of Russian gas deliveries to Ukraine following a dispute which led to the EU member states. and reductions in deliveries to some EU member states.

Collective end cohesive to some EU member states.

Collective end cohesive to some policy or really correlated at the policy of really continued at the property of energy supply is only really continued at the property of energy supply is only really and the property of energy supply is only the property of energy and the property of energy and the property of energy and the property of 4 January 2008 | News N°2

EU energy chief vows action to avoid futu

By Sarah Laitner in Brassels and Bertrand Benoit in Berlin

Europe's top energy official vesterday vowed to make securing energy supplies his priority in the aftermath of the Russian-Ukrainian gas, our general energy mix."

ommissioner, said the Euroseon Union should comoder reater power diversity and

energy market after the stand-off disrupted mas deliveries to the EU. He said: "Europe needs a clear and more collective and cohesive policy on security of energy supply. We should look at

yesterday settled the dispute that had led to temporary disruptions to gas supplies in some EU countries, the EU

future but the EU should learn lessons from the dis-

EU countries have resisted giving Brussels greater sway over the sector but Mr Piebalgs is due in March to sag-After Moscow and Kiev gest ways to develop a common European response to the enemy challenge.

This might include ideas for diversifying the network for greater EU co-ordination

the EU, improved energy efficiency, investments in cross-border infrastructure, greater gas storage capabilities and broadened supplies. The review could also touch on the hugely controversial topic of nuclear energy.

Countries such as Honstary and Poland, which are heavily dependent on Russtan gas imports, have called

ski, Poland's deputy minister for economics, said Warsaw was hampered by its reliance on gas pipelines from Russia. It wants EU political and financial support for planned new mes transport networks that would connect Poland and other central European countries with other suppliers, such as those in southern Europe.

Lithuanta vesterday said a

could help assuage concern among central European and Baltic states over a new gas pipeline directly linking Russin and Germany.

Countries could also look to other gas suppliers such as Libya and Algeria in the counter their exposure to

economics minister, yester- country's supplies will grow.

"regrettable" and said itwould lead Germany to review its reliance on Bussten oil and gas, currently among the highest of all large western European

The EU buys a quarter of aftermath of the dispute to its gas from Russia and 30 per cent of its oil, and the European Commission pre-Michael Glos, Germany's dicts EU dependence on the

were such a one that two thirds opes total energy and narters of its gas will orted by 2020 are to \*Pur Calls for co-ordination to

has spens more cade liberalising etricity markets single pan Euro efforts which hampered by vaknesses in By network impetition.

states have ideas such patrol over terves or usselv on

Ukraine gas dispute puts
pressure on EU energy policy

October when he called for a common EU energy policy and included countries co. in Brussels to thrash out the European Unions response to the Russia-Ukraine

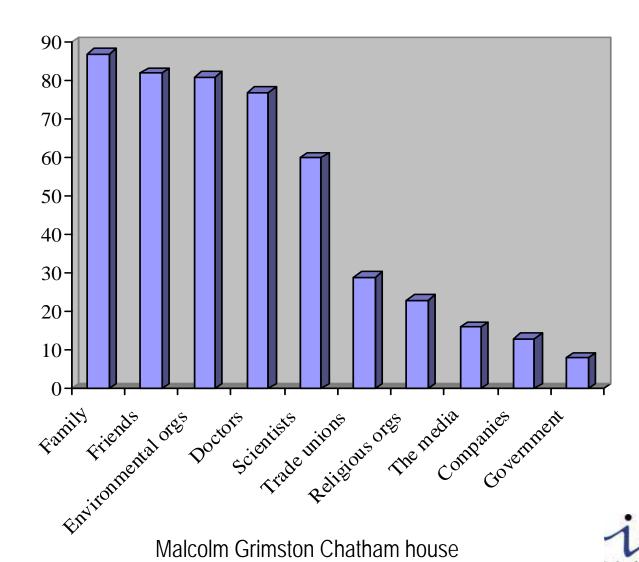
ordinating efforts to nexotisor far too ione we have dispute after the stantoff of to a cut in EU supplies. European diplomata in prepared the EU could be prepared to play a more the dispute to help solve the dispute. bean in the situation where. in a hapharard and random way energy needs determined in

The threat to gus supplies has revived debate ov

FINANCIAL TIMES WEDNESDAY JANUARY 4 2006 -J usruption

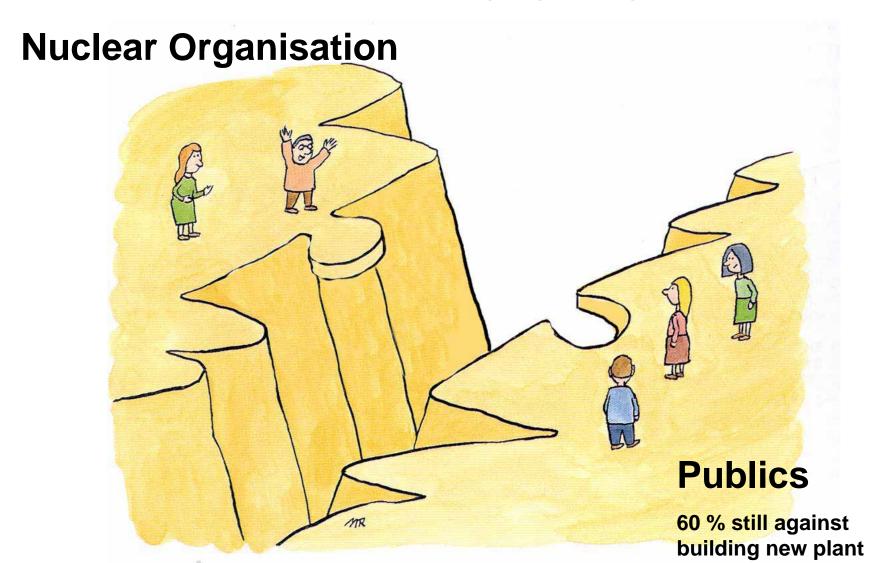


#### Who can we Trust





#### Bridging the gap







#### Communication Excellence

- Two way symmetric shared Understanding
- •Assess, understand & categorise publics Know stakeholders
- Boundary spanning role Build trust and credibility
- •Strategic targeting of publics Focus messages
- •Focus messages through opinion formers Focus messages/trust & credibility
- •Strategic Role Knowledge base of communication team
- Participative culture

Creating a level playing field Innovative Communication Learn from Others



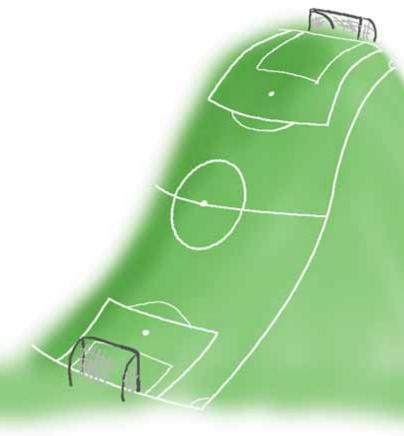


#### Need to Create a Level Playing field









Need to create a level playing field in-order to increase awareness of the energy problem

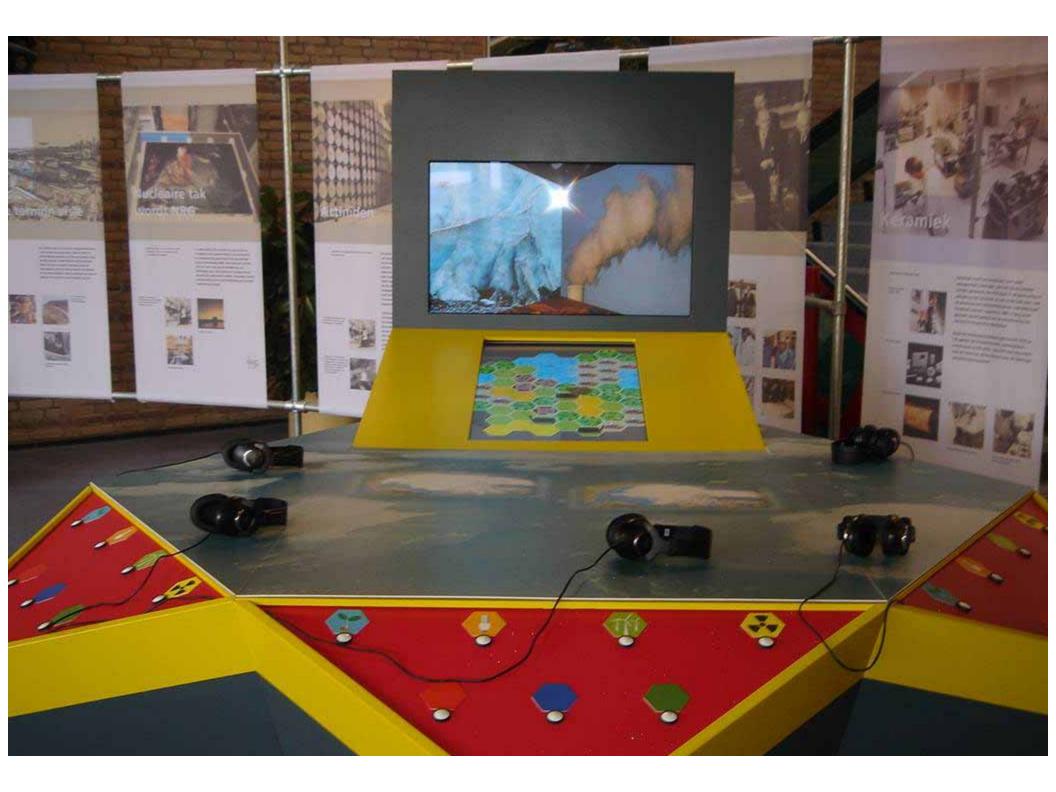




Interactive energy game, developed by ECN /NRG



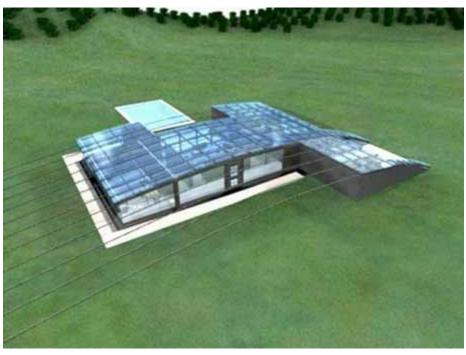






### Creating a Level Playing field Innovative communication

V GAS Energy, Lifestyles & Climate





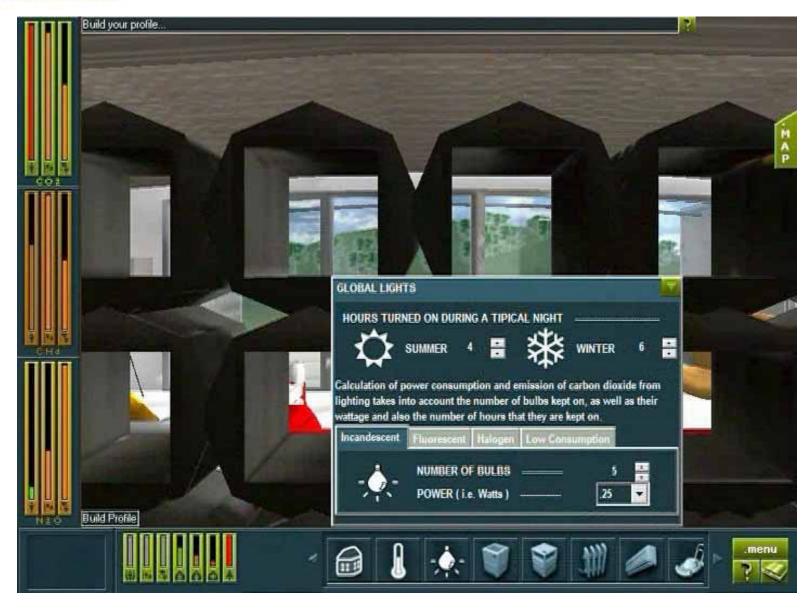








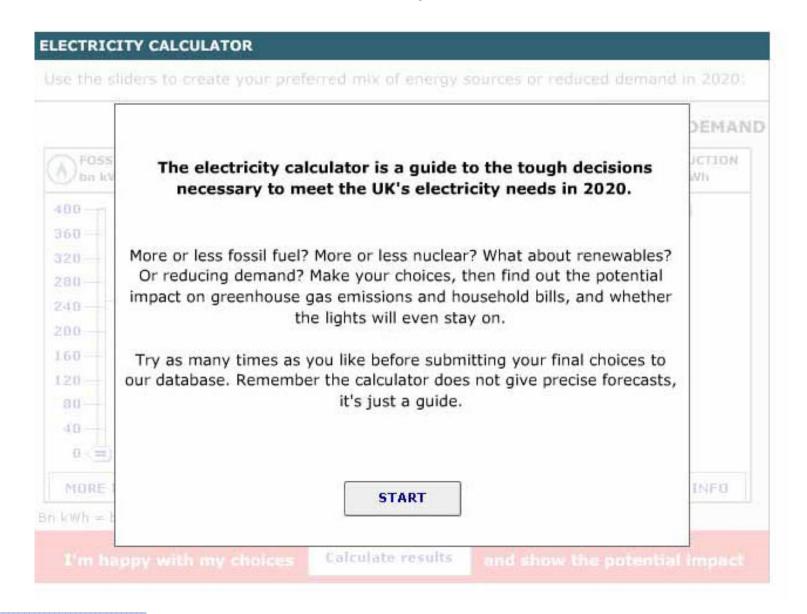






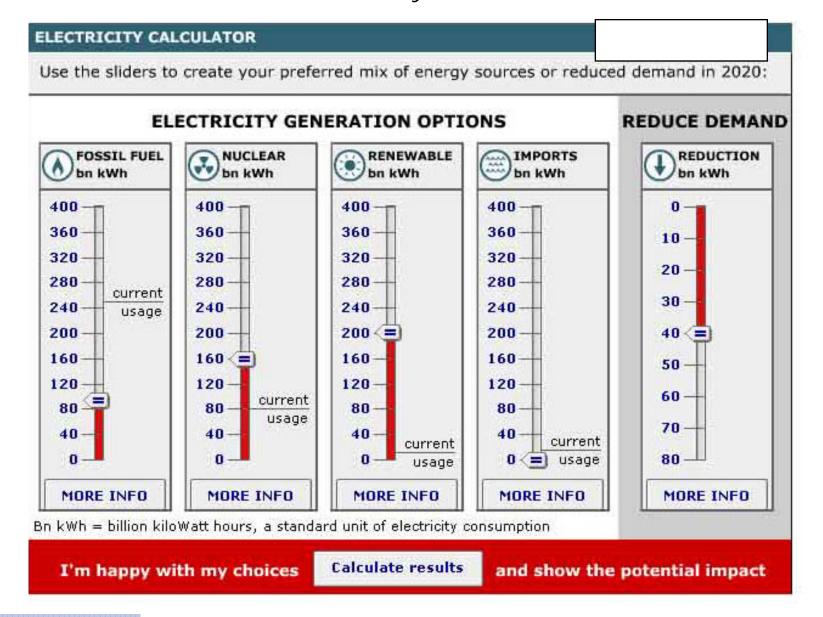


Will shortly be available on the BBC web site



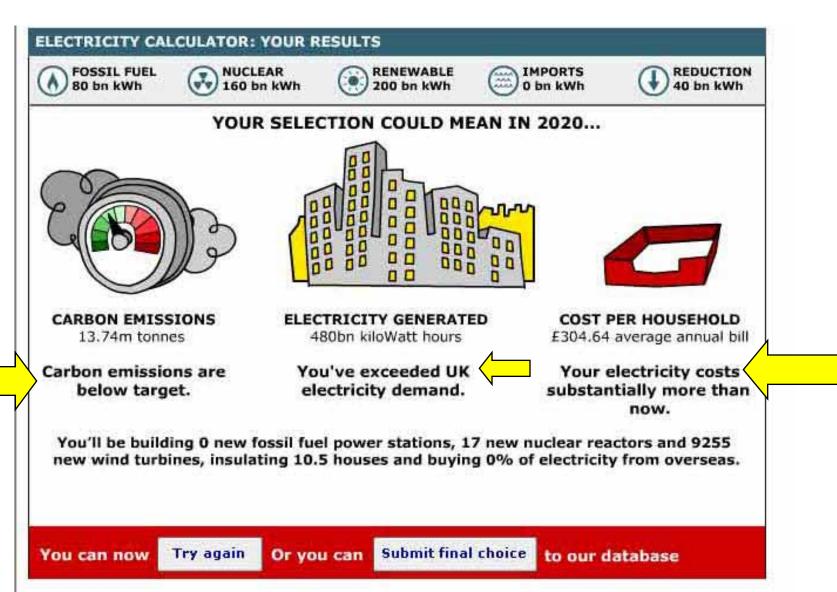


Will shortly be available on the BBC web site





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#### Create a level "ENERGY" playing field

#### https://www.hfpeurope.org/

- Energy
- Population
- Energy demand
- Fossil energy Climate, resources
- Renewable energy, solar, wind and hydro, biomass, other
- Nuclear





#### Create a level "ENERGY" playing field

"I believe it is time that we developed within Europe a common European energy policy."
......Tony Blair

As Communicators we need to develop a common understanding of all energy issues, creating a joint problem definition, which will in turn lead to conscious and informed choices of the energy at our disposal

We can not afford to wait until energy is in short supply, now is the time to act



#### The Hydrogen Economy

- What can we learn
- Public perception
- Tackle the problem
- Strong visual impact

"Hydrogen is very dangerous"









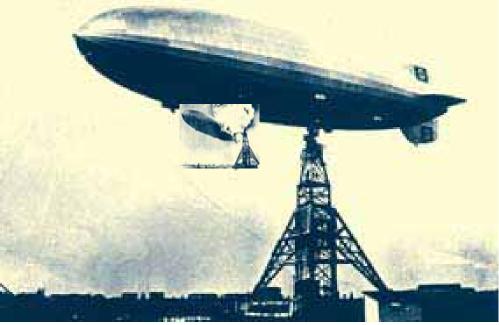








Photo 1 - Time: 0 min, 0 sec - Hydrogen powered vehicle on the left. Gasoline powered vehicle on the right.





Photo 2 - Time 0 min, 3 seconds - Ignition of both fuels occur. Hydrogen flow rate 2100 SCFM. Gasoline flow rate 680 cc/min.



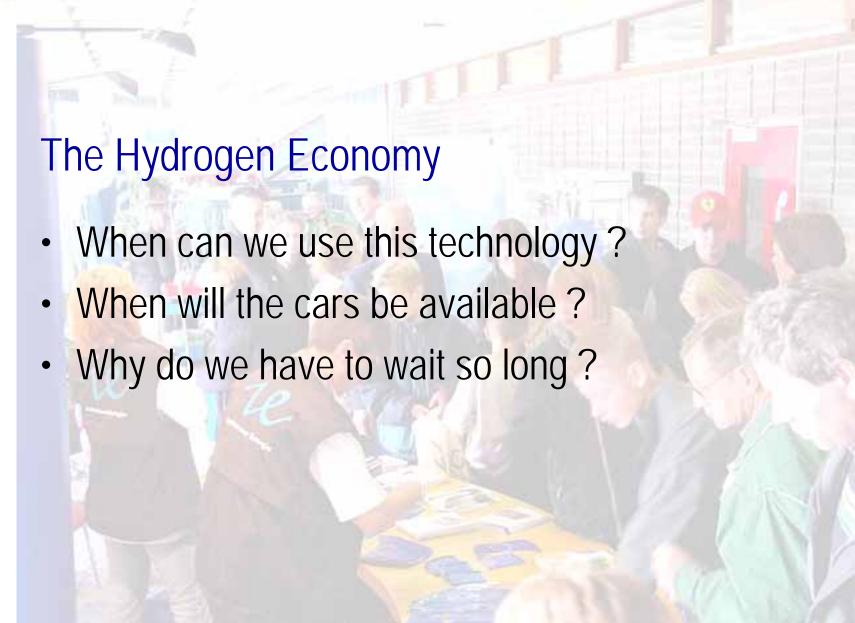




Photo 3 - Time: 1 min, 0 sec - Hydrogen flow is subsiding, view of gasoline vehicle begins to enlarge









#### Communication Innovation

" thinking out of the box "

 What happens in the operating theatre when the wind drops or it's a typical cloudy day.





The Hydrogen Economy

Need to look around us

When the lights go out-BBC dramatised documentary

John de Mol, "what interests different ages /social classes"

Are we making people think, World food Programme "donate your dessert"





#### **Communication Innovation**

" thinking out of the box "







#### Innovative communication

"Tailor the language, education, science understanding"

- Nuclear /Nuclear research
- Complex = lack of understanding = DANGEROUS
- Visual simplification
- Need to move from a monologue to a dialogue
- Need to understand the concerns of the audience.

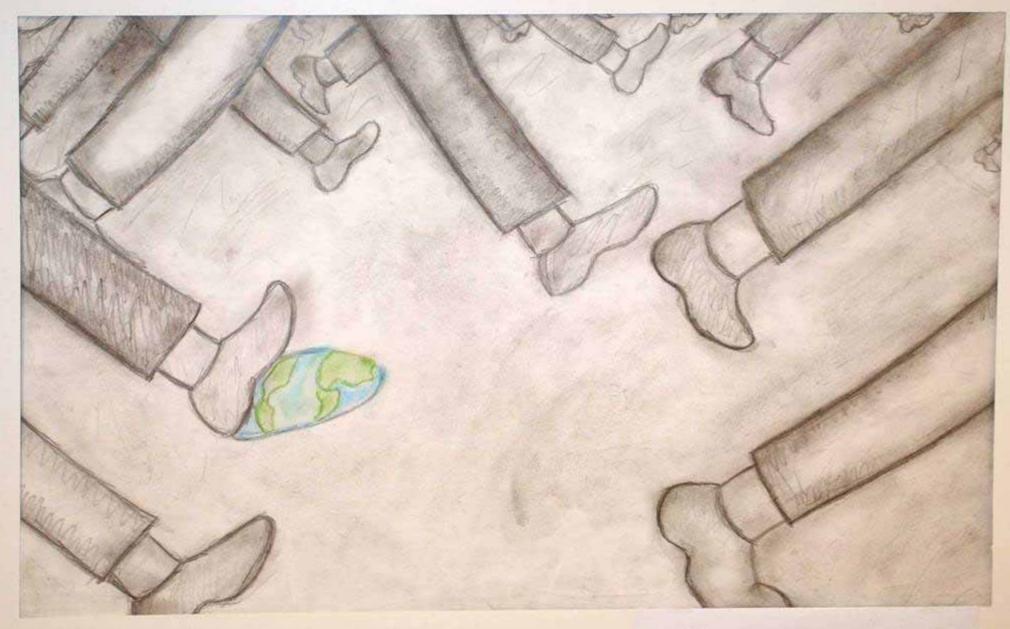




#### Clean Energy Art Competition

- •2-way communication
- Monologue to Dialogue





Salpha Salpha

White I found to observ on this drawing is that subsidy spally come about what's going in largers to the world I seed disks unlesses the file large and height unlesses for the world in show the discontinue between tridal is important and to be about it has.





#### Innovative communication

Tailor the language, education, science understanding

Nuclear research is always so complex....
For the first time I can grasp the different concepts "

Member of the European Parliament





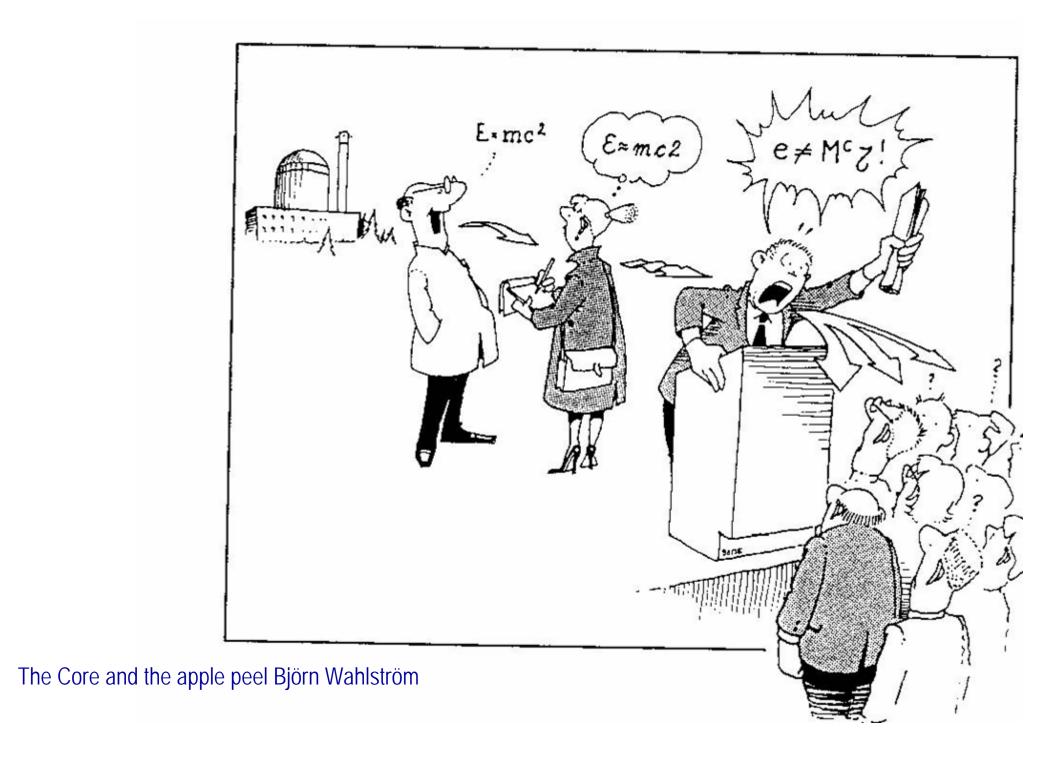




#### Need to be critical

$$E = MC^2$$







#### **Communication Innovation**







#### Innovative communication

- Current energy advertising
- Public perception ?
- Plentiful supply of Green energy for each household
- Increased energy use?
- Need to react to this misleading information

Silence = concur



#### (EPZ)

#### • Share Best Practice a Sport via opwerking hergebruikt als nieuwe spirits of Slechts vier procent is onbruikbaar en

- Focus valuable manpower
- Share resources

"We are all in one boate and the large terminate one wetenschappelijke consensus

#### De tien grootste bezwaren in perspectief

Het lijstje met bezwaren tegen kernenergie is al decennia lang hetzelfde. De top tien varieert een beetje, zo is de afgelopen tijd 'terrorisme' met stip gestegen. Maar nieuw is dat thema niet, in 1977 al maakte Robert Jungk internationaal furore met zijn boek "Der Atom-Stat". Daarin voorspelde hij dat Duitsland een polit staat zou worden om atoomterrorisme te weerstaan. Jan Terlouw schreef het voorwoord voor de Nederlandse vertaling. De atoomstaat is er intussen niet gekon net zo min als de atoomterreur. Dat wil niet zeggen dat zorg om gevaren van kernenergie altijd onterecht is. Er valt wel veel af te dingen op de geschetste enorr van de risico's. Het kennen van de gevaren en het bespreken ervan is een eerste stap naar het veilig er mee omgaan. En daar gaat het om; niet het ontkennen va gevaren, maar het beheersen ervan.



In gebruikte splijtstofstaven zitten gevaarlijke gevaarlijk afval. Dit wordt zorgvuldig verpakt.

centrale Borssele over de afgelopen dertig. jaar heeft slechts enkele tientallen kubieke meters van dit hoogradioactieve afval opgeleverd. Het volstaat dit op te bergen achter een dikke muur van beton, terwijl intussen de radioactieve. straling vermindert door natuurlijk verval. Dat is wat we in Nederland op dit moment er mee doen: isoleren en veilig beheren.

het opbergen in diepe ondoordringbare aardlagen. We weten dat bepaalde aardlagen al miljoenen jaren stabiel zijn. De acceptatie van een geologische berging is vooral een maatschappelijk vraagstuk.



Absolute veiligheid bestaat niet. Er gebeuren regelmatig natuurrampen en industriële ongelukken in de wereld. Een kerncentrale bevat gevaarlijke radioactieve stoffen waarvan we niet willen dat ze in de omgeving terechtkomen. Om die reden zijn kerncentrales zo ontworpen en worden ze zo geëxploiteerd, dat er altijd vele barrières zijn die verhinderen dat radioactiviteit ontsnapt

Dat dit werkt, bewijst de praktijk. De 441 draziende kemenergiecentrales in de wereld hebben al zo'n twaalfduizend jaar ervaring opgebouwd in 32 verschillende landen. In die twaalfduizend jaar is er één ongeval geweest waarbij er doden zijn

gevallen door vrijgekomen radioactieve sto namelijk in Tsjernobyl (1986). Daar zijn tient slachtoffers gevallen, inclusief negen kinder die aan schildklierkanker overleden. Dat hac overigens met Jodiumpillen vaarkomen kur worden. In de kerncentrales die in onze we: landen in bedrijf zijn, is zo'n ongeval niet m lijk en is ook in duizenden bedrijfsjaren noo voorgekomen. Natuurlijk gebeuren er incide en worden er fouten gemaakt, zoals overal. leidt niet tot burgerslachtoffers.

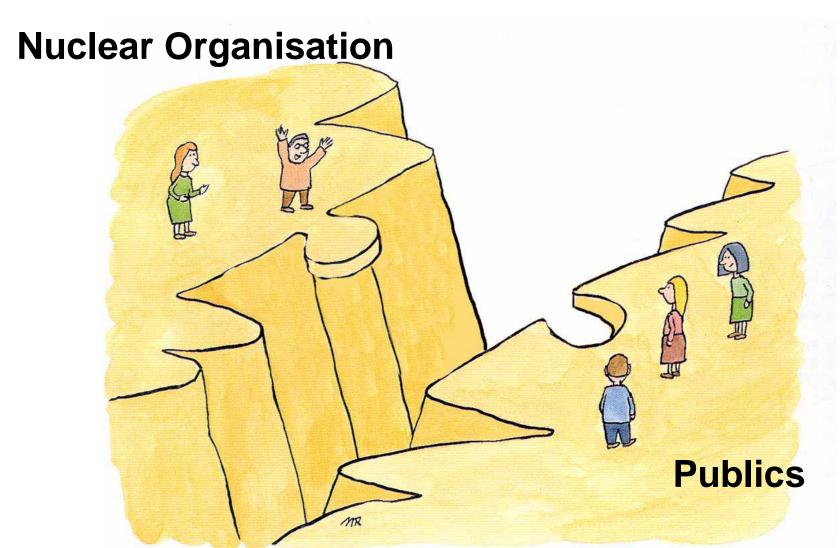


Al vijftig jaar wordt gemeld dat over dertig de bekende voorraad uranium op is. En dat ook zo. Uranium is in de aardkorst niet zeld: en het raakt niet op, er is voor vele eeuwen voldoende voorhanden

Uranium is nu net 20 duur als in 1980. Als in toekomst de prijs stijgt, zal er meer naar urz umerts gezocht worden. Dus nemen de wir



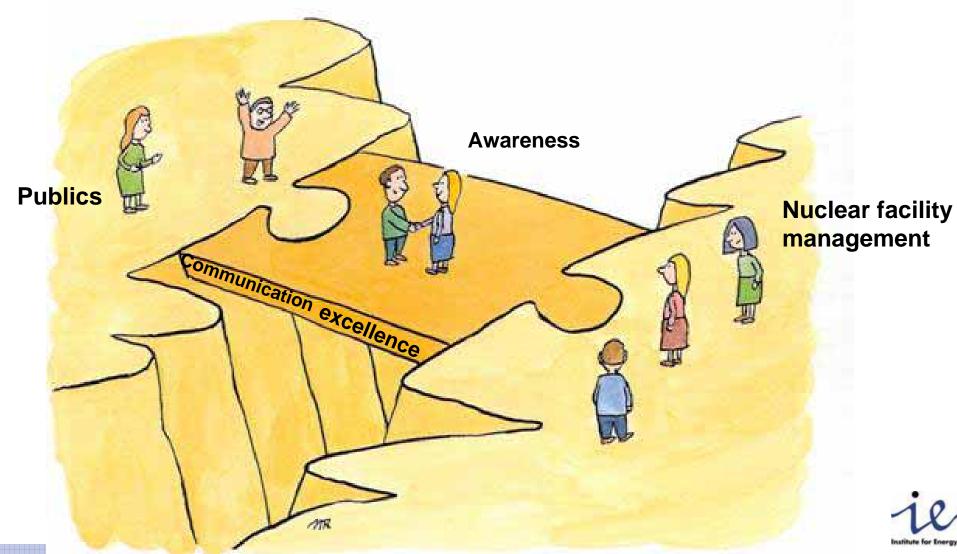
#### Bridging the gap







Communication is not simply about sending messages; it is about creating and sharing a meaning





#### Conclusions

- Create a level playing field for energy issues
- Security of energy supply
- •CO<sub>2</sub> emissions
- Energy savings

 Merits of different energy sources /carriers

Fundamental social /

energy needs

