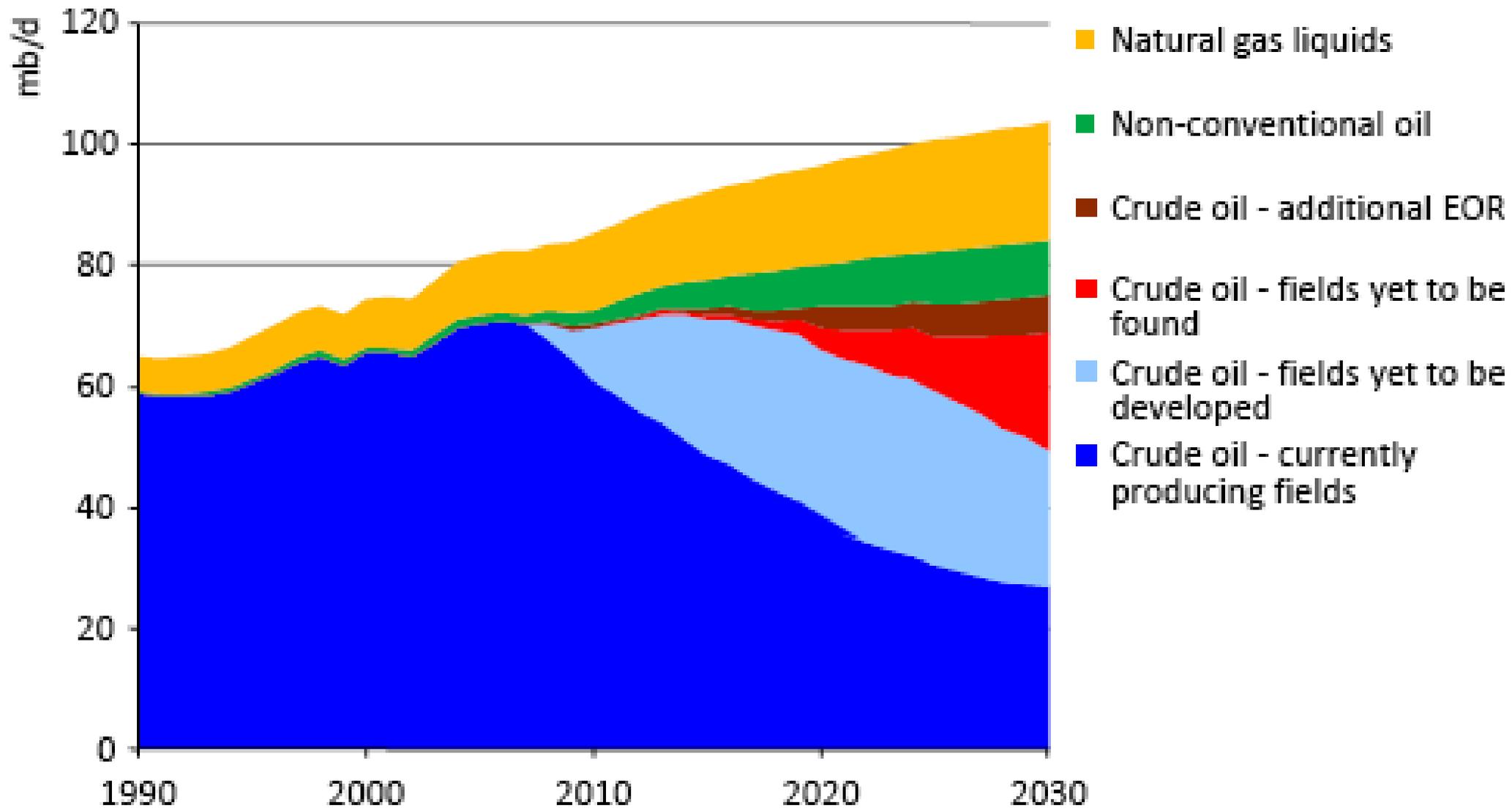




**Planetary Engineering Group Earth**

**Independent think - tank  
established by me - Roland Mösl  
1991 in Europe, Austria, Salzburg**

# We need an international organization for the oil exit



# Yet to be developed – yet to be found



The WEO – World Energy Outlook - 2008 figure predicts that there is a need to find and develop oil fields that produce at last 5 times of what Saudi Arabia produces now, until 2030.

But, as things stand now, it seems it will be very hard to comply to this demand because we will not find oil fields able to produce 5 times Saudi Arabia. There is only the chance to exploit the most difficult, most dangerously, most expensively accessible oil fields ever.

**Failure to exploit additional oil resources equalling 5 times the Saudi Arabian oil produce by 2030 will bring about instability to the world's economy resulting from extremely high oil prices and delivery shortages.**

**The time where economy was based on cheap oil consumption has ended 2008.**

**Where would be the oil price today with the same economic growth like spring 2008?**

We find there is a US\$ 20 price elasticity per million barrel a day. This means:

**1 million more demand than supply,  
the price raises by US\$ 20**

**1 million more supply than demand,  
the price falls by US\$ 20**

If the economic growth in the western world would have continued at the same rate as it was in spring 2008, We would face now 3 million barrels more demand and today's oil price would be way above US\$ 147.27.

# **International organization for the oil exit**

## **The target:**

Extinguish an oil demand of 5 times the Saudi Arabian oil production until 2030

## **The method:**

Replace the demand for oil by using electric power mainly from sun and wind

## **The basic calculation:**

The daily demand for oil today is approx. 90 million barrel a day.

1 million barrel less demand means US\$ 20 lower price.

This saves worldwide:

US\$ **1.8** billion a day

US\$ **657** billion a year

US\$ **6,570** billion over 10 years

To reduce an oil demand of  
1 million barrel a day requires



**200 million more electric scooters =**  
**400 GWh lithium batteries =**  
**80 TWh electric power per year**

**To reduce an oil demand of  
1 million barrel a day requires**



**40 million electric cars =  
1200 GWh lithium batteries =  
100 TWh electric power per year**



**1 million barrel less oil demand  
can be generated by**

**1 litre fuel oil, replaced by 1 kWh  
electric power, required for a heat pump,  
combined with better insulation and  
air exchange with heat recovery**

**25 million apartments or small houses =  
50 TWh electric power per year**

# **Proposed basic capital demand for an international oil exit organization:**

2% of the annual worldwide oil cost as budget.

Thus, based on the current oil consumption and price, this is calculated as:

$$\begin{aligned} &90 \text{ million barrels a day} * \\ &\text{US\$ } 95 \text{ (oil price per barrel)} * \\ &365 \text{ day} * \\ &2\% = \end{aligned}$$

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**US\$ 62 billion a year**

# **The cheapest method: Policy Change**

The cheapest available method for the oil exit is to promote policy changes in all member countries, funding the organization.

But this method faces 2 limitations:

- 1.) The production capacity of the industry producing photovoltaics, buffer batteries, electric vehicles – everything required for the oil exit
- 2.) People have to be empowered to follow new policies. This esp. applies to consumer financing tools in support of the new technologies.

# **Main task credits and investment**

- 1.) Investment in research & development
- 2.) Investment in building up the necessary production capacity of the *oil replacing industry*.
- 3.) Investment in building up the necessary mining capacity for all the necessary raw materials.
- 4.) Credits for consumers for replacing oil consume by purchasing products of the *oil replacing industry*.

# **An International Oil Exit Organization stabilizes World Economy**

It's not only about supporting measures to stabilize the oil price.

It's also an investment in all industries facing the energy challenges of the 21<sup>th</sup> century.

The minimum investment here is 2% of the oil cost, the return is having a share in the *oil replacing industry*.

# Policy: Back Stop

In 2008, the oil price decreased from US\$ 147.27 by US\$ 114.87 to US\$ 32.40 caused by an economic crisis.

But cheap oil in an economic crisis stops only the necessary oil exit and creates the illusion, that it's not necessary to escape oil dependence.

**Back Stop  
by increasing  
taxes on oil**

**Reduce budget deficit**

**Subsidies for oil exit  
technology consumption**

**Reduction of dues  
based on  
human work**

**As soon as the oil demand reduces  
because of being replaced by  
electric power  
from sun and wind,  
humanity will realize, it is still possible  
to solve the whole CO2 problem  
with the climate change.**

**The oil exit is the first big step towards  
a stable durable harmonic world civilization.**