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Fat Based Consumer Products

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What can we expect?

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The Basis (Consumer Trends)

Trends (Western and emerging countries)

- more dogmatism,
- hedonism,
- land of milk and honey-like choices,
- situation-based and schizophrenic behaviour with no typology any more,
- dogmatism in wealth, intolerance,
- health – wellness,
- contradictory emotional behaviour,
- abandoning traditional behaviour patterns,
- obesity – mal-nutrition.

The Basis:

Within these trends

Only food products, will succeed that are accepted by

- the trade
- the consumers

Governments for instance will only be able to forbid, they will not be able to launch products.

The Basis:

Help is needed from wise Politicians

It can't be
the task of politicians,
to monitor public opinion
and then do the popular things.

Task of a politician is,
to do the right things
and to make them popular.

Walter Scheel (ex-President of Germany)

The Basis: A Dogma

is a fixed definition,
with an inherent, indisputable
substance of truth,
as it assumes to reflect reality

The Basis: this automatically means

Living under a dogma means

- there is no need to reflect
- there is no need to decide

Dogmas: Some Consequences:

- stand still,
- curing symptoms instead of root causes,
- no discussion,
- no progress

Functional Food

Becel pro activ as an example

- >10 years development time
- appr. 100 mln € cost,
- Novel Food Legislation,
- enriched with sterols from oil seeds,
- reduces cholesterol level by 10-15%,
- no drug !

Functional Food

Becel pro activ as an example

- >10 years development time

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From the example can be learnt:

Real big innovation that has to undergo
The EU novel food legislation
needs a wide and regular consumption
for the required pay-back.

Functional Food

what is supposed to come?

- Food for the prevention and relief of widespread diseases as for instance:
 - High Blood Pressure
 - Rheumatic Diseases
- Food to secure sufficient ω -3-FA
- more food with no scientifically proven effect
 - but possibly with a „personal“ positive effect

Functional Food

We all would be helped by

- Long chained (marine) ω -3-fatty acids (EPA, DHA) with a positive effect on the brain development in infants and with many other advantages for men (see SCI symposium London 2005)

but.....

Functional Food

We all would be helped by

ω -3-fatty acids...but.....

- they come only from fish
- fish is scarce
- farmed fish only holds them, when it is fed fish or special algae

They might – also as a feed for fish - come from GMO-rape, which at present is not at all accepted in Europe

Energy from Food Sources

All want to return to nature,
but nobody on foot.

Petra Kelly, German Green Party Activist
1947 - 1992

Energy from Food Sources means for the Food Industry

- fighting for their raw material
- fighting against an industry that money-wise thinks in a different league
- being aware that farmers will possibly seek new alliances
- being alarmed that food prices might rise dramatically

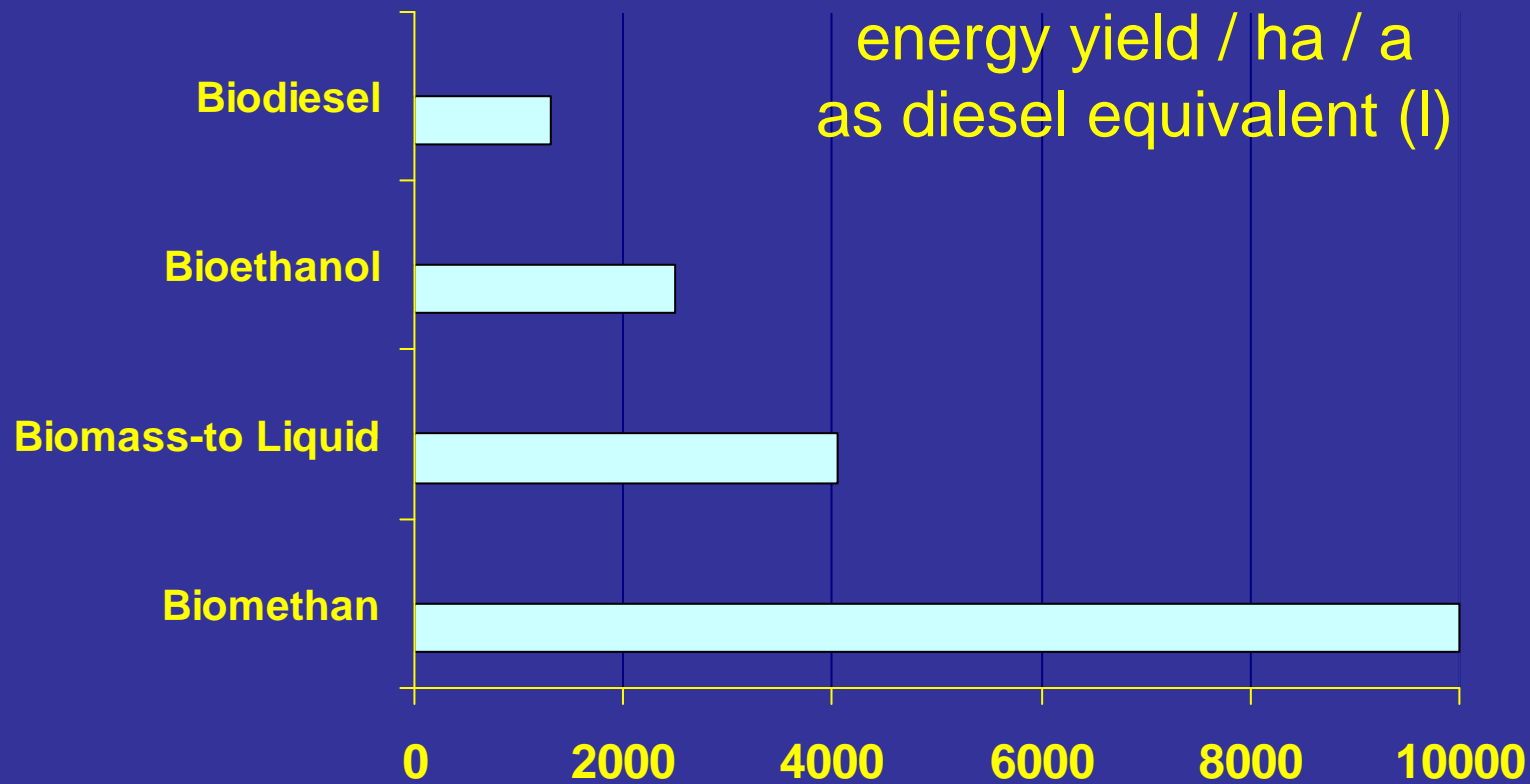
Energy from Food Sources

with bio diesel as a tortuous path

- burning the physiologically best vegetable oil Europe has
- using a plant that is not energy but food optimised since centuries
- disturbing the equilibrium between two very different markets
- making inferior usage of our land resources

Energy from Food Sources

inferior usage of acreage



Energy from Food Sources

What are the issues?

- EU states force fuel from renewable sources, above what they can presently produce
- Palm oil cheaper than rape seed oil
- Gasoline Companies engage in palm oil plantations
- NGOs start activities against Palm oil (logging the rain forest issue) – will this one day bring back products with fully hardened oil instead of POS?
- Taking food from the poor (Tortilla War)

Energy from Food Sources

What are the issues?

- EU states force fuel from renewable sources

Listen to Erich Dumelin's more detailed lecture on this issue, today afternoon

- (the rain forest issue) – will this one day bring back products with fully hardened oil instead of POS?
- Taking food from the poor (Tortilla War)

Global Issues

What might be next?

Trade in virtual water ???

At present we need to produce 1kg of

Maize	900	Milk	1000
Wheat	1350	Soya Beans	1800
Palm oil	2000	Beef	16000

litres of water

Source amongst others: www.waterfootprint.org

Global Issues

What might be next?

Tr

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Palm oil

2000

Beef

16000

litres of water

Water, virtually traded via soya beans,
amounts to 70.000.000.000 metric tons
annually, at present.

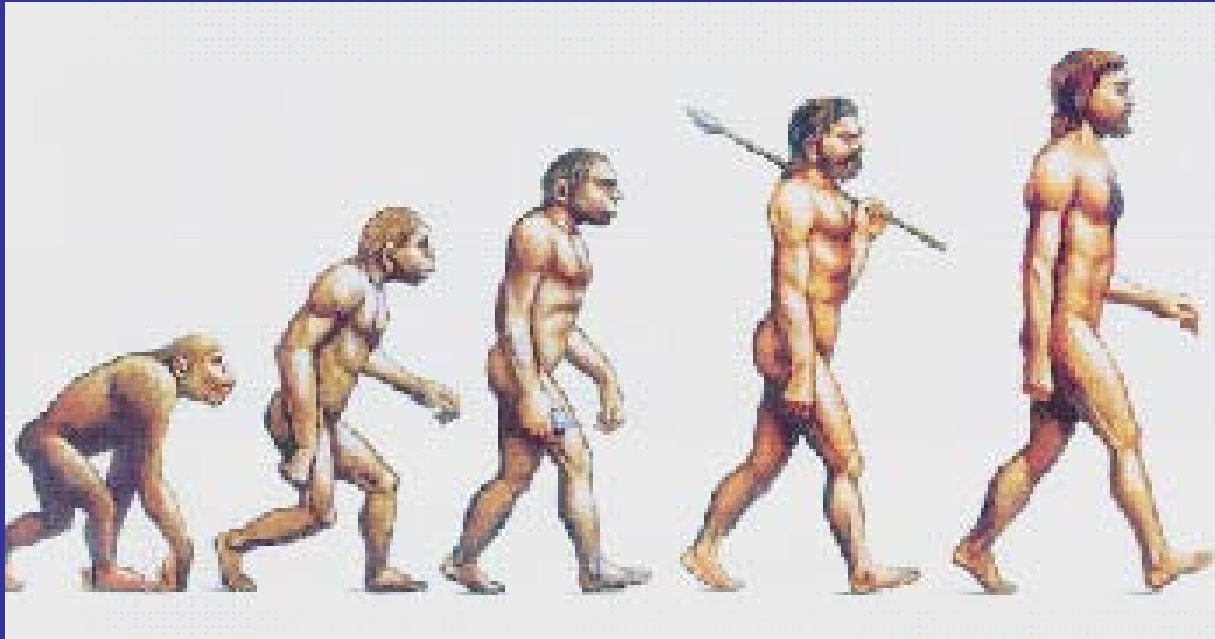
Source amongst others: www.waterfootprint.org

Obesity

We as the
Fat Industry
are in the Focus

Obesity

Is it Darwinism?

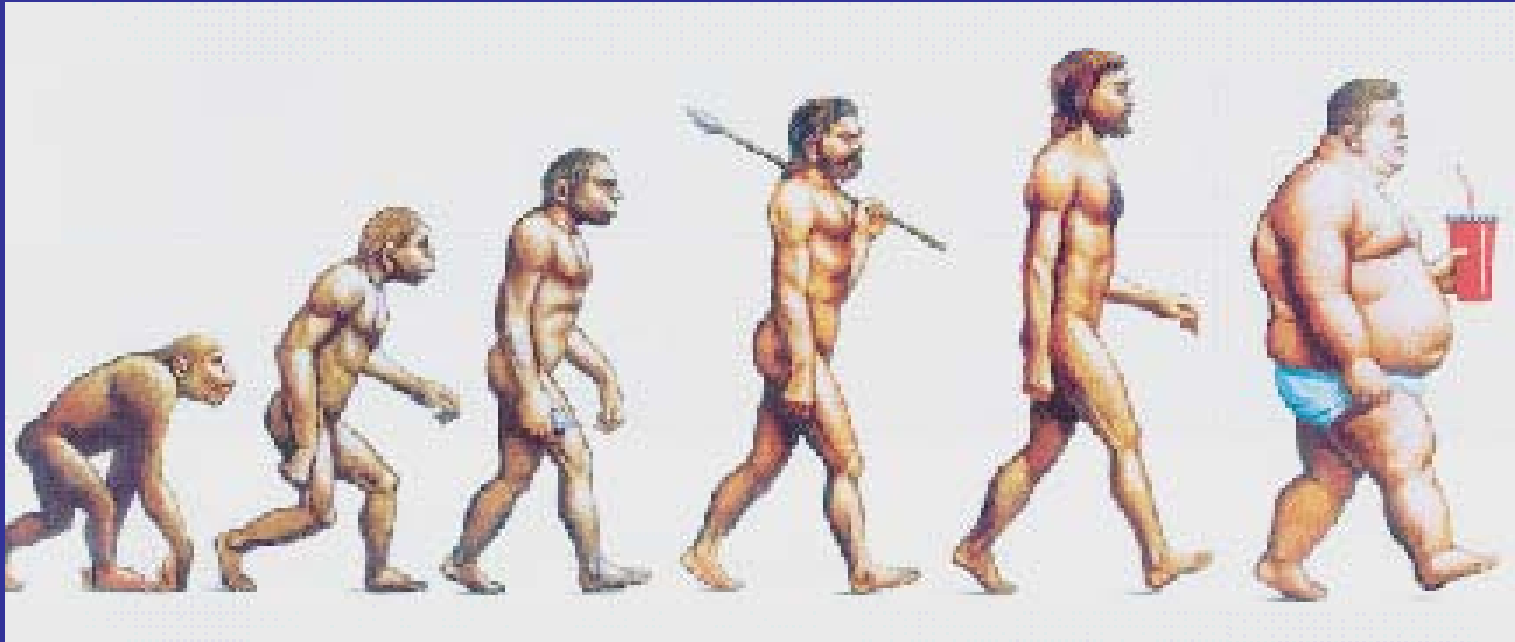


Source: The Economist



Obesity

Is it Darwinism?



Source: The Economist



Obesity

Why is this an issue of the Fat-Industry?

- food obviously plays a role (even if a very small-one)
- we have been pointed at as „The Guilty“
- a patent remedy is looked for
- the Food Industry is part of the society that has that problem
- but also: „Helping-to-Slim“-Food promises good business

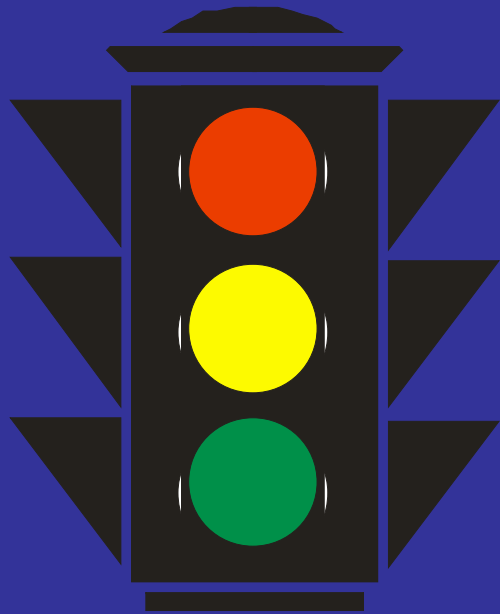
Obesity

Food can help,

- Food – especially fat-based products with reduced calorific value are in the market since more than 25 years and are permanently improved.
- Fat Phobia is of no use and dangerous.
- No product can resolve the input-output problem (insufficient physical activity).
- Discriminating food harms.
- There will be no food product with „negative caloric value“!

Obesity

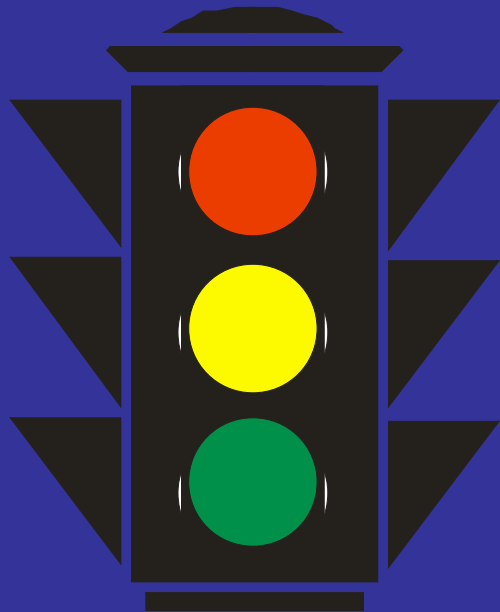
„Easy Solutions“ are easier than bearing the truth



Quelle: A. Berg

Obesity

„Easy Solutions“



- are counterproductive replacing self responsibility by misleading guidance
- do not resolve the issue and may lead to diseases by fat-phobia
- are far too slow to reflect any progress in science
- will not at all resolve the problem

Health:

Food can help! We will see

- more products allowing for a better ω -3/ ω -6 balance
- more products with EPA and or DHA
- even difficult-to-change product formulations being trans-FA-free
- better texture in fat reduced products
- more products where fats are replaced by oils

Emotions:

Food is highly emotional, therefore

- the non-GMO trend in Europe will not be broken
- more “guaranteed-GMO-free” sources and supply chains will become available
- we will see a continued trend towards “biologically grown” raw materials even in discounters, also for oils and fats
- a still tiny trend towards cold pressed certified-origin seed oils will grow
- the industry must observe and take serious these trends in order not to loose out

Thank you for your attention

I am looking forward to your
questions