

The logo of the World Future Council, featuring three stylized arrows pointing upwards and outwards from a central point, set against a background of a world map.

World Future Council

Dipl. Ing. Stefan Schurig | Director Climate Energy

FIT for Future

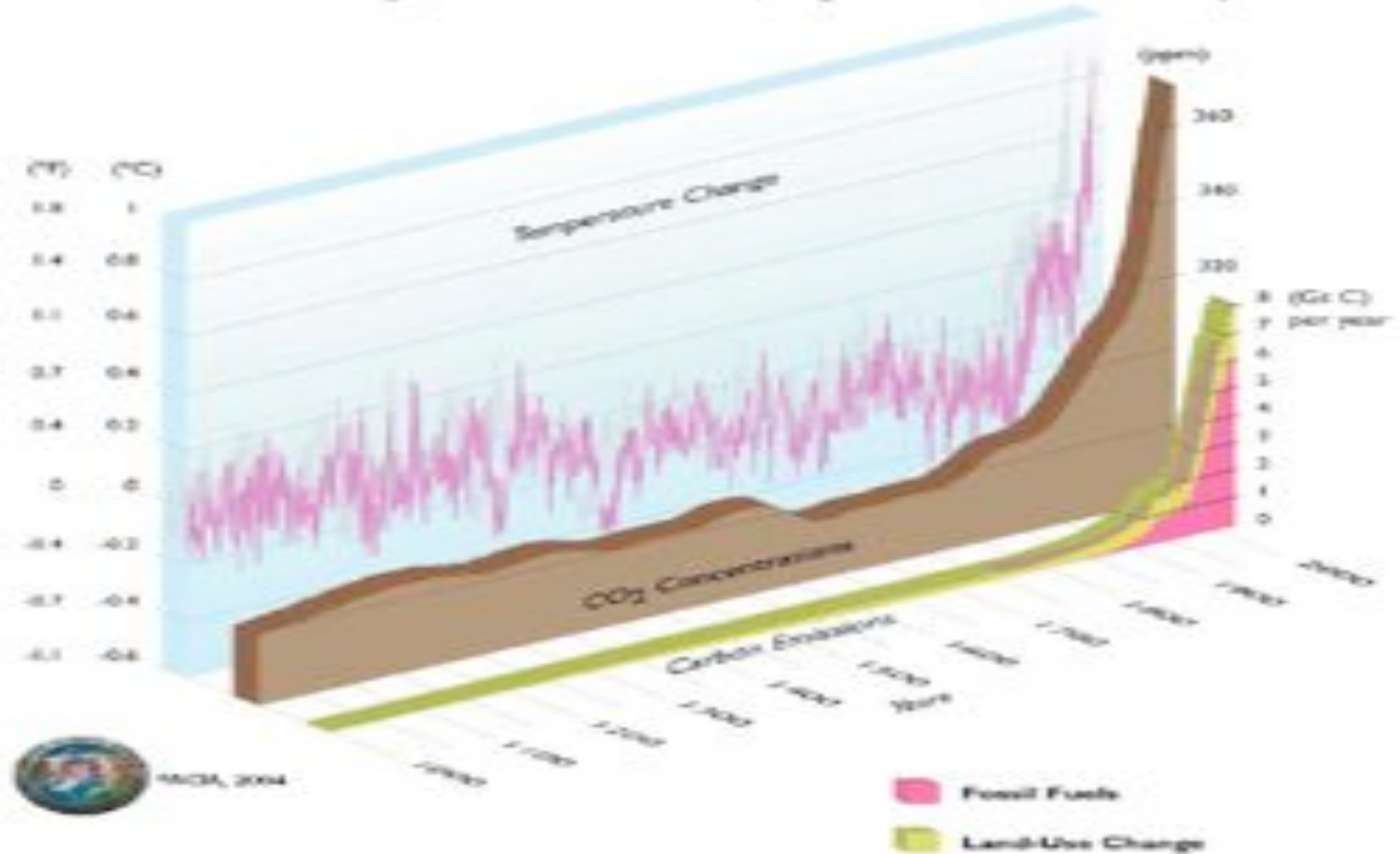
**Creating Strong Markets for
Renewable Energy**



Climate impact of industrialisation

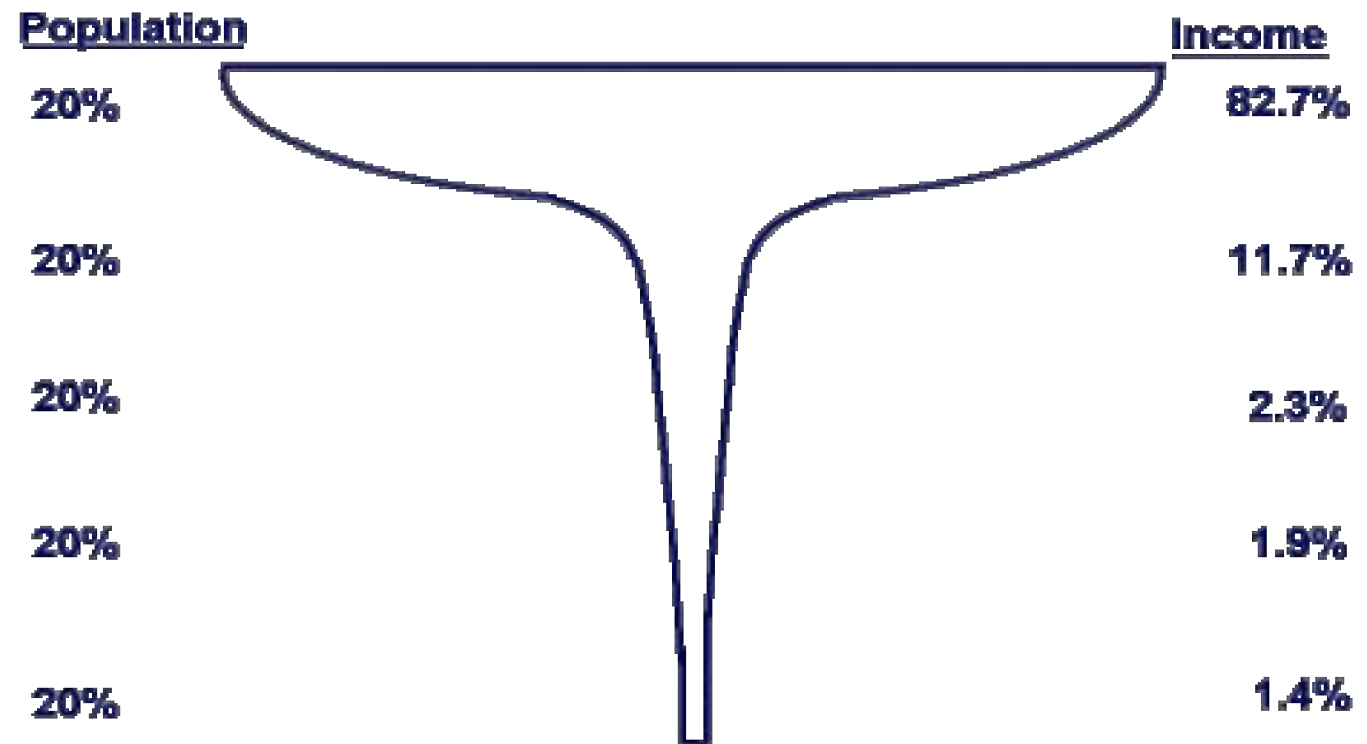


1000 Years of Changes in Carbon Emissions, CO₂ Concentrations and Temperature





Climate of Justice?





Dynamic of change



Increasing



Energy demand
Energy costs
CO2 emissions and
pollution
Sea levels
Health costs
Climate instability

Decreasing

Fossil fuel reserves
Biodiversity
Natural resources
Rural populations
Faith in
governments
Time left for action





Quo vadis?





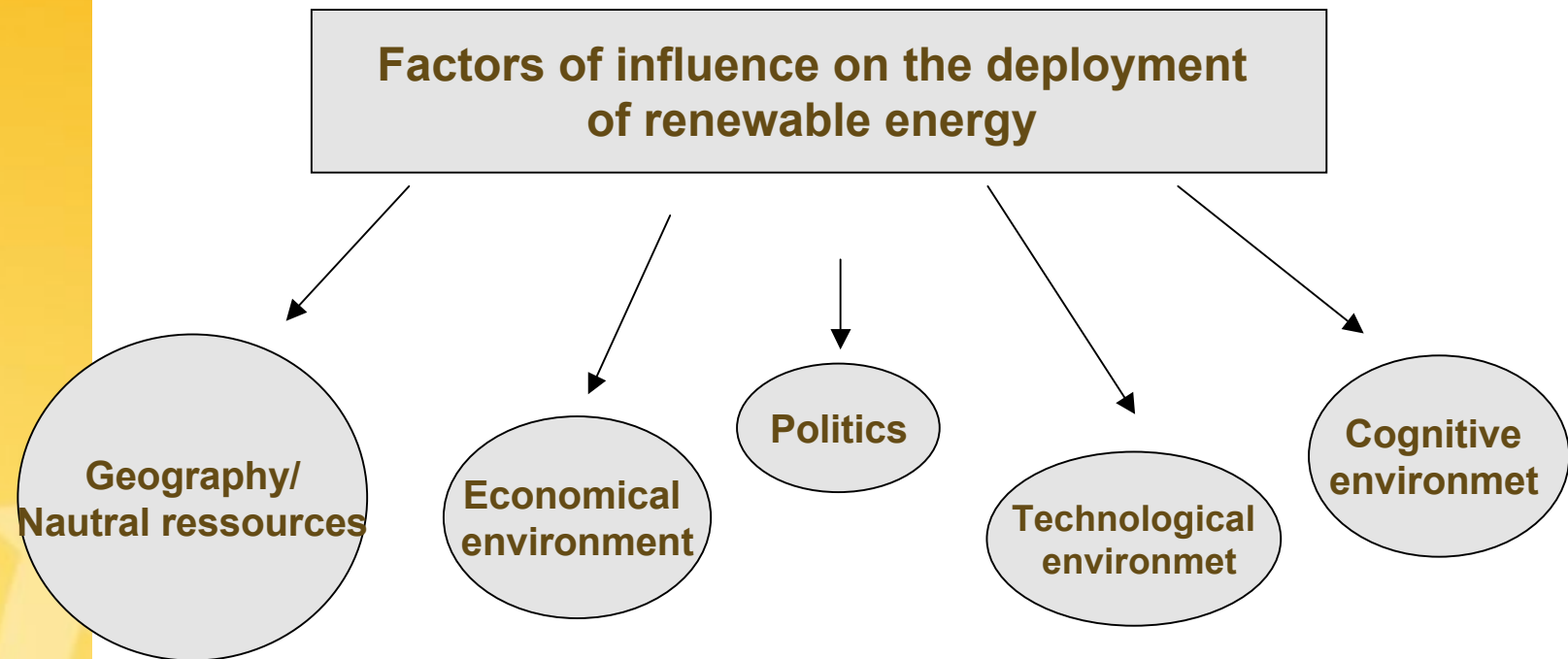
Three Pathways to sustainable energy



1. Increase energy efficiency and energy saving
2. Develop domestic renewable energy sector
3. Creating an intelligent allocation grid



What matters when pushing renewable energy in the markets





Promoting Renewable Energy and fostering energy independancy



Energy is power

Power to the People!

World Future Council

Power to the People!

With the right policy, people worldwide can profit from creating their own renewable energy.

Power to the People!



Feed in legislation...

- makes RE electricity priority
- Obliges grid operators to purchase electricity from RES
- Sets the price for RE electricity for fixed periods and gives investment security
- Sets no limit to amount of RE feeding into the grid



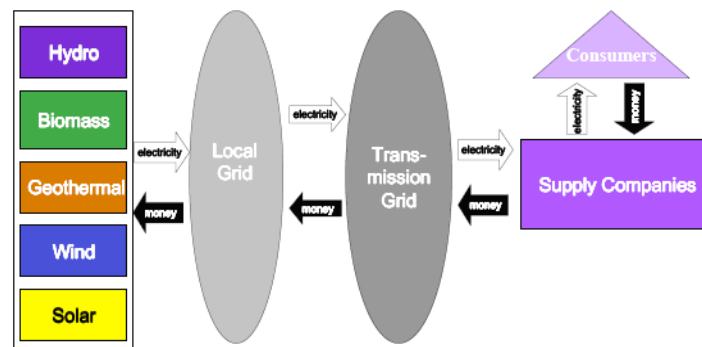
Important corefeatures to be taken into account

- Costs of connecting need to be paid by the energy companies
- Ensuring maintenance due to a long term incentive
- Tariff must be adjusted to the state of development of the technology



Financing of Feed in tariffs

Via all electricity consumers



- Impact on electricity price

+ independence of state-budget

Via a national fund or state budget

+ no impact on electricity price

- (no) secure incomes for the fund



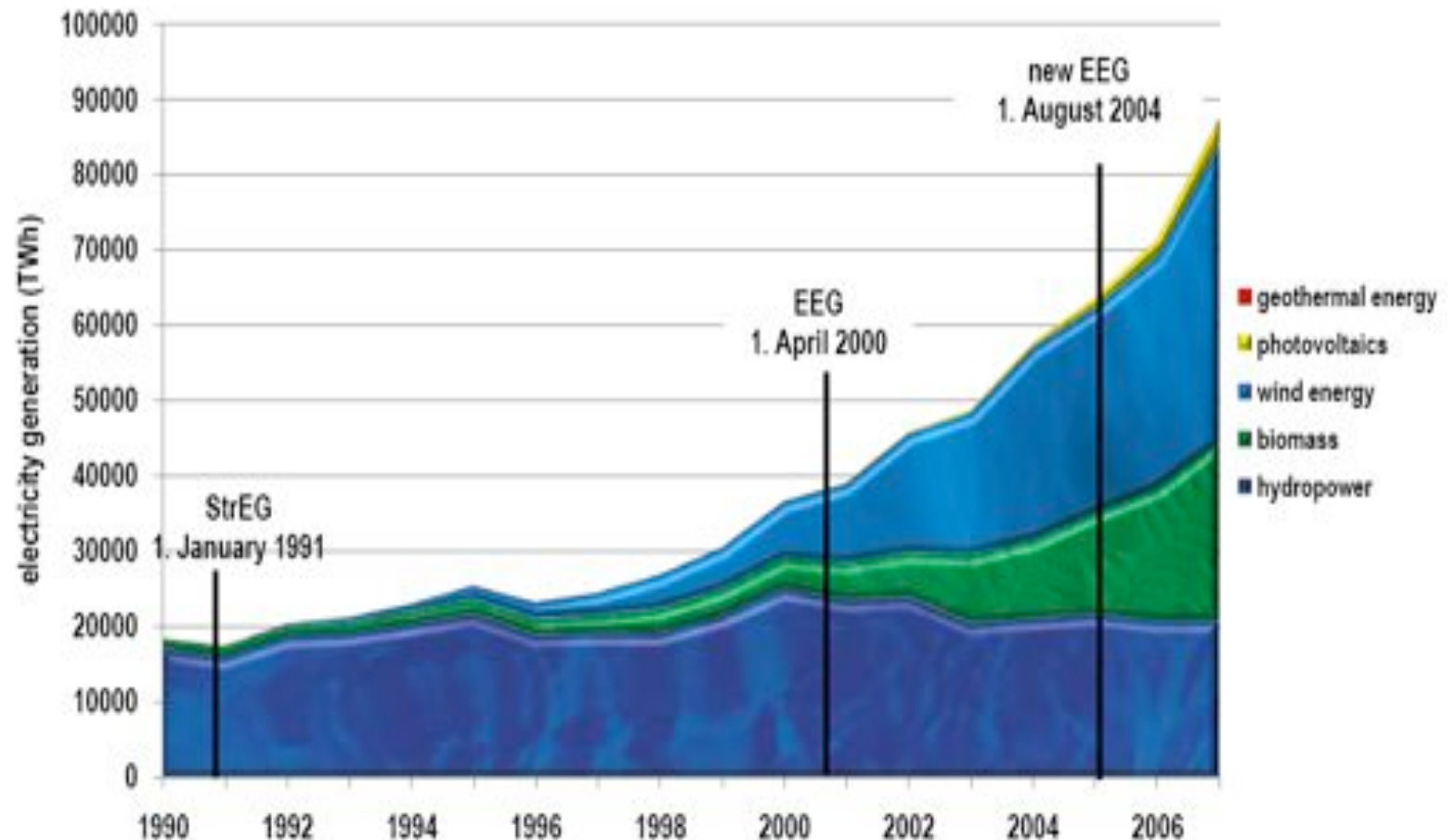
FITs – a story of success

Table 1: Key data on renewable energies in Germany 2006/2007¹

	2006	2007	Changes
Share of RE ² in total final energy consumption ³	7.5 %	8.5 %	+ 13.3 %
Share of RE in total gross electricity consumption	11.7 %	14.2 %	+ 21.4 %
Share of RE in total final energy consumption for heating ⁴	5.8 %	6.6 %	+ 13.8 %
Share of RE in fuel consumption ⁵	6.3 %	6.9 %	+ 9.5 %
Share of RE in total primary energy consumption	5.5 %	6.7 %	+ 21.8 %
Emissions avoided due to use of RE ⁶	ca. 98 m t	ca. 114 m t	+ 16.3 %
- Of which, share attributable to EEG	ca. 44 m t	ca. 57 m t	+ 29.5 %
Total turnover from RE	ca. € 22.4 bn	ca. € 24.6 bn	+ 9.8 %
Of which:			
- Turnover from construction of plants	ca. € 11.1 bn	ca. € 10.7 bn	- 3.6 %
- Turnover from operation of plants	ca. € 11.3 bn	ca. € 14.0 bn	+ 23.9 %
Employees in RE sector	ca. 236,000	ca. 249,000	+ ca. 5.5 %



Development of electricity generation from RE in Germany, 1990-2007



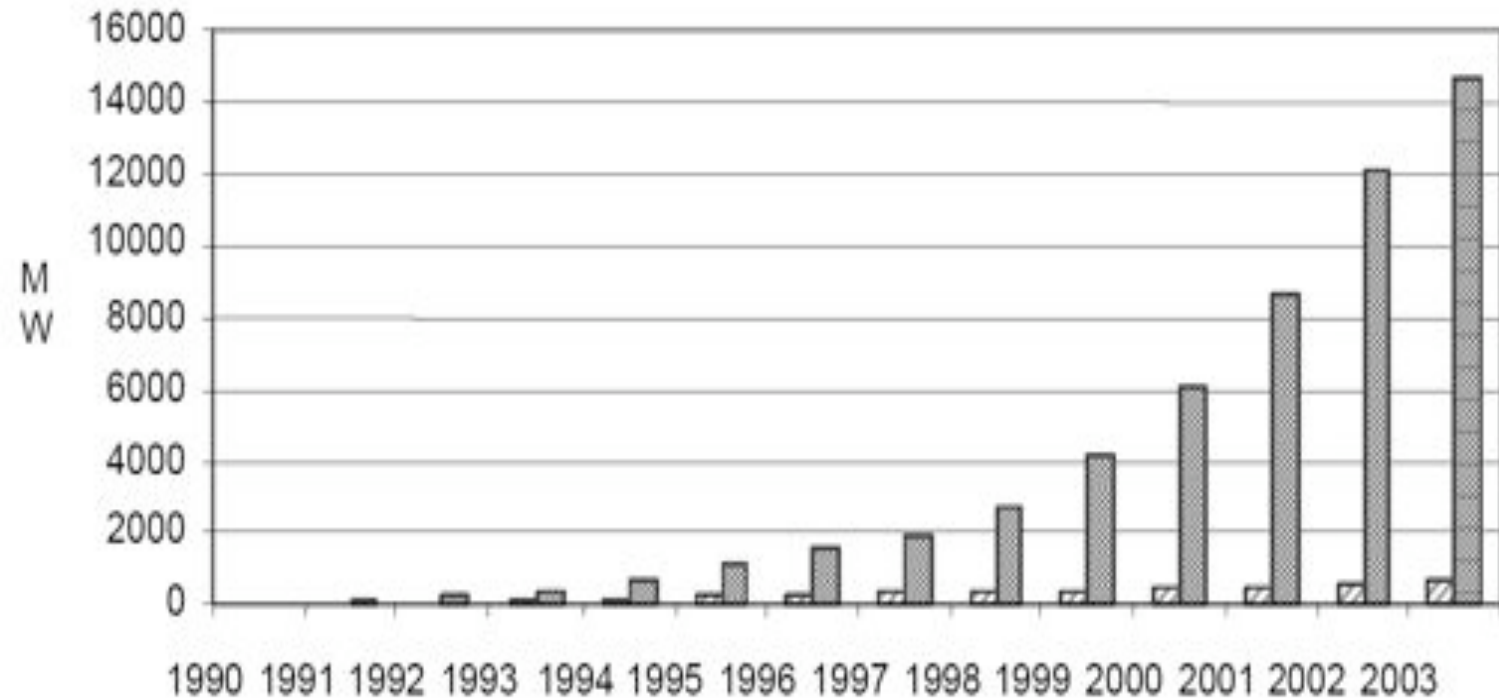
November 2008

Source: BMU March 2008

Dipl.-Ing. Stefan Schurig | Director Climate Energy | stefan@worldfuturecouncil.org



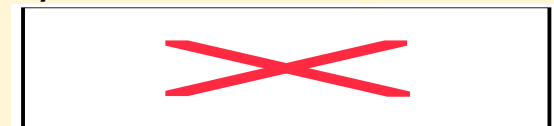
Comparison of Quota-System vs. Feed- in system



Germany – Feed-In system



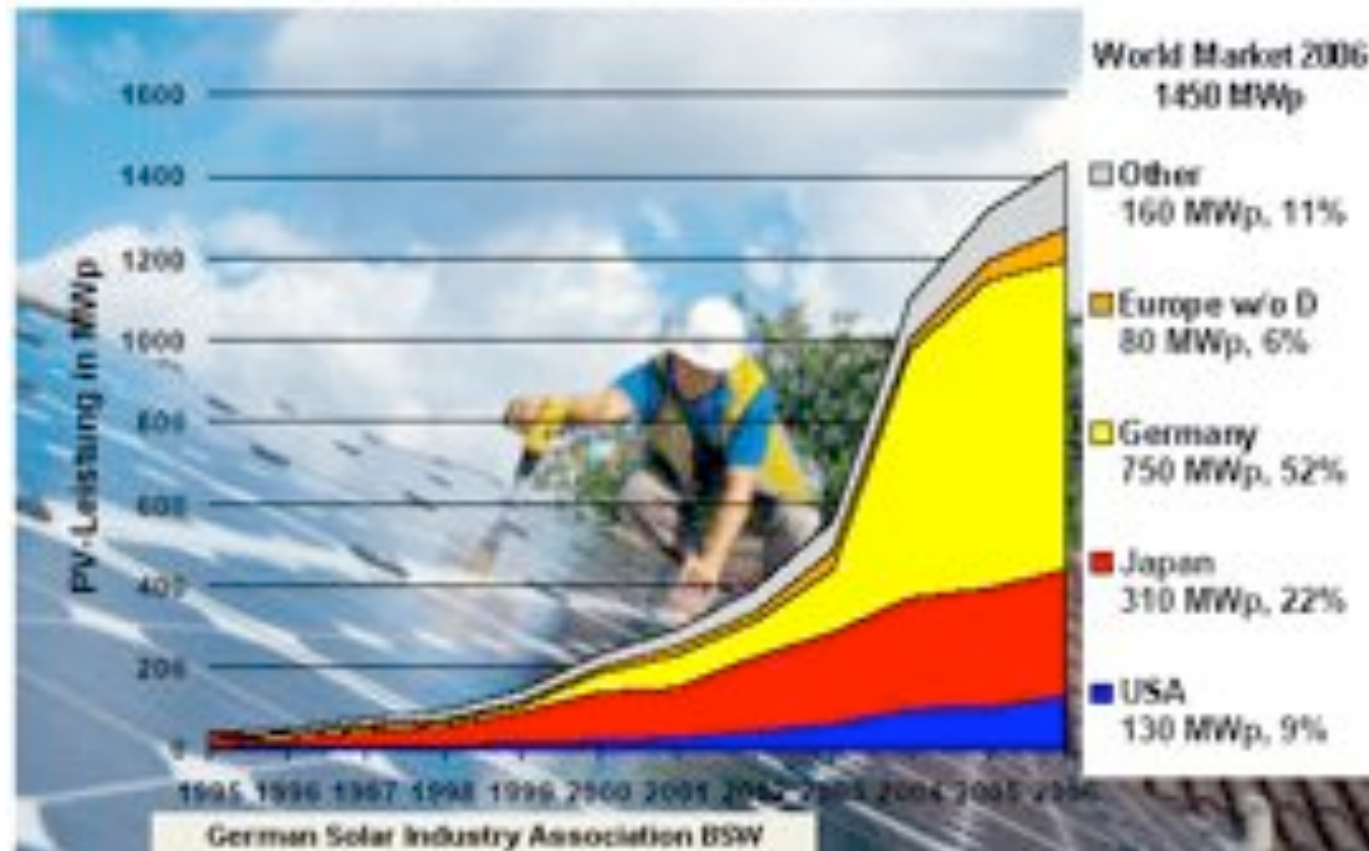
UK – Quota-System- and Auction-based system





Germany's PV share

Global Photovoltaic Sales

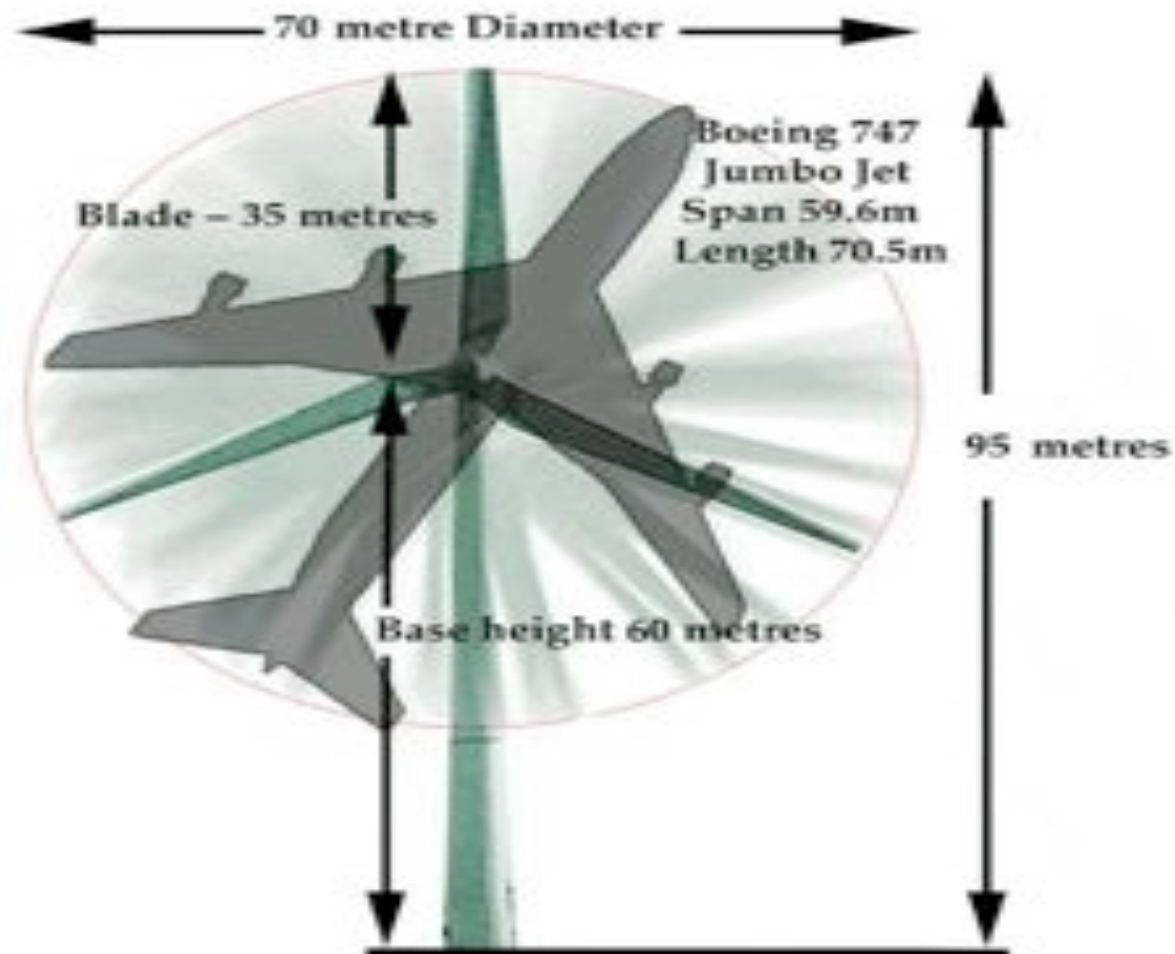




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Dipl. Ing. Stefan Schurig | Director Climate Energy | stefan@worldfuturecouncil.org

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“Empowerment” of policymakers





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PACT

Policy Action on Climate Toolkit



The PACT project aims to provide the necessary elements for rapidly introducing policy to combat climate change - giving parliamentarians, civil servants, and advocates around the world access to the legal and technical expertise needed to envisage, to argue for and to enact laws and policies that effectively protect the climate. Find out more...

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The world urgently needs good FIT laws

Feed-in tariff (FIT) laws have proved the most effective approach for increasing and accelerating the deployment of renewables in the electricity sector.

This site aims to help users around the world to introduce or improve **FIT laws** in their country or region.

Tackling climate change means rapidly changing the way we generate and use energy. We can only achieve this with an effective policy framework for promoting renewable energy and energy efficiency. FITs are a crucial element of any such framework.

Before you start drafting



Check you have answered the most important questions we think legislators must address before proposing any FIT law.

Features of a good FIT law



We outline the essential features of a good FIT law, and give you the opportunity to draft the basic elements of a proposed law.

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FITs 'in-depth'

From this page, you can dip 'in-depth' into 9 recent EU and US studies demonstrating the advantages of FITs, comparing them with other support mechanisms, and considering how they can be combined.

From each of the summaries below, you can access a short synopsis of the study, and the full document:

A 2007 study examining whether feed-in tariffs can work with existing and proposed US state-level policies and electricity market structures, responding to 3 common arguments used in the US against FITs, and concluding that feed-in tariffs can work in US states

[More...](#)

A 2007 study analysing the support schemes in place in EU member states, concluding that more than 34% of electricity consumption can be provided from renewable energy sources by 2020 with improved national policies

[More...](#)

A 2007 study examining the economic impact of climate change, finding that feed-in tariffs have led to more electricity being produced from renewable energy sources at lower costs than RPS/TGC schemes

[More...](#)

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What is a FIT law?

What is not a FIT law

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The online platform that guides you...

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Before you start drafting...

... you need to consider whether your country or region is suitable for a FIT law.

We think there are **three key questions** that will help to determine the suitability of a country or region for a FIT law. Answering 'yes' to these will help to ensure smooth and effective progress in enacting a FIT law.

- ☐ Does your country or region have an appropriate electricity grid?
- ☐ Do you know your country or region's resource availability?
- ☐ Is there likely to be sufficient political support?

Answered 'yes' to all three?

If you think that your country or region has an appropriate electricity grid, you've checked out the resource availability, and you reckon there's likely to be sufficient political support, then you can safely say that your country and region is suitable for a FIT law. The next thing to do is to make sure you know **what should be in a good FIT law**.

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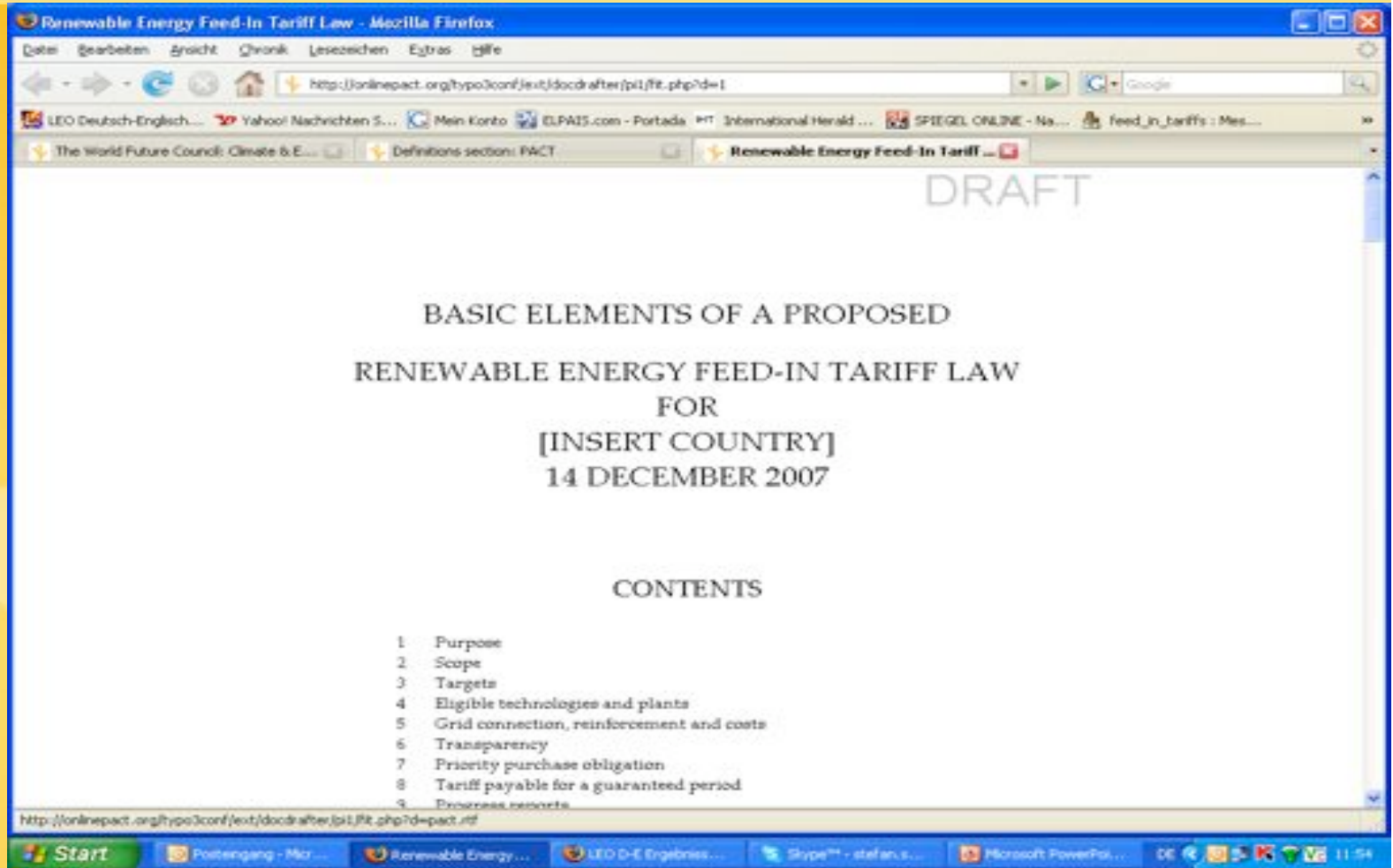
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...to the first draft!



The logo for the World Future Council is centered in the upper half of the slide. It features a stylized world map in a light yellow color. Overlaid on the map is a tree-like structure with three main branches, each ending in an arrow pointing in different directions (up, down, and to the right). The text "World Future Council" is written in a light yellow, sans-serif font across the middle of the map.

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Thank you for your kind
attenttion!

Stefan.schurig@worldfuturecouncil.org