

# Mobilizing the Co-Benefits of Climate Change Mitigation in the new energy world of renewables

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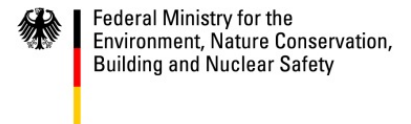


 @s\_helgenberger  @IKI\_COBENEFITS

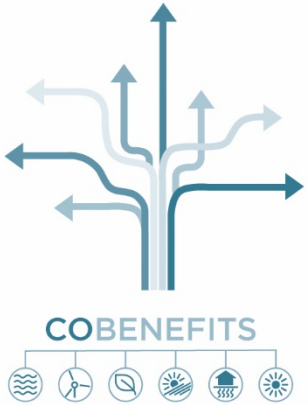
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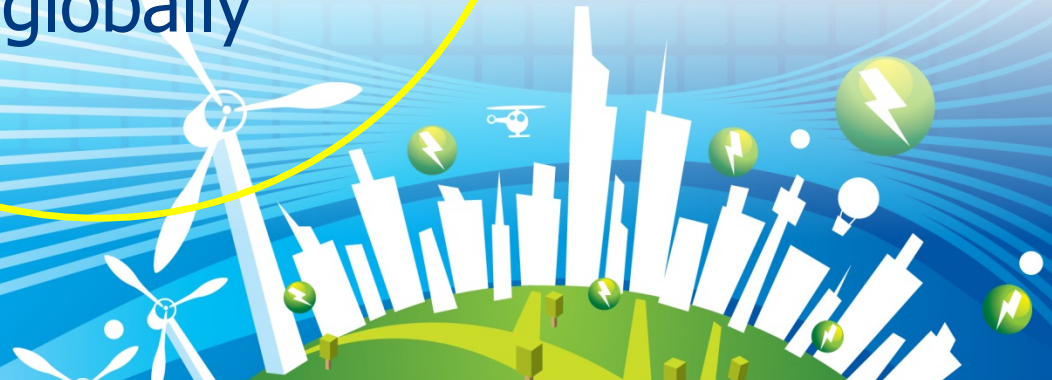


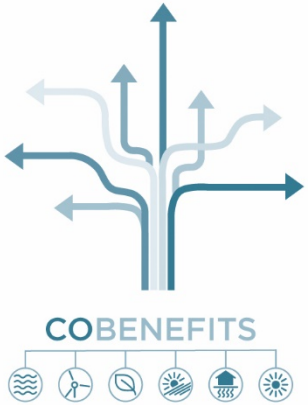
based on a decision of the German Bundestag



**2015**

**Record Investment**  
**348.000.000.000 \$**  
in renewable energy technologies  
globally





Has the world suddenly gone green?

Are we all climate-activists now?



# CLIMATE SUMMIT

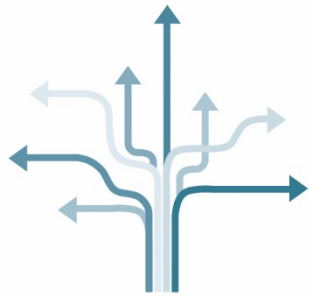
- ENERGY INDEPENDENCE
- PRESERVE RAINFORESTS
- SUSTAINABILITY
- GREEN JOBS
- LIVABLE CITIES
- RENEWABLES
- CLEAN WATER, AIR
- HEALTHY CHILDREN
- ETC. ETC.

WHAT IF IT'S A BIG HOAX AND WE CREATE A BETTER WORLD FOR NOTHING?

Co-Benefits



12/19 USA TODAY  
DILL PITT

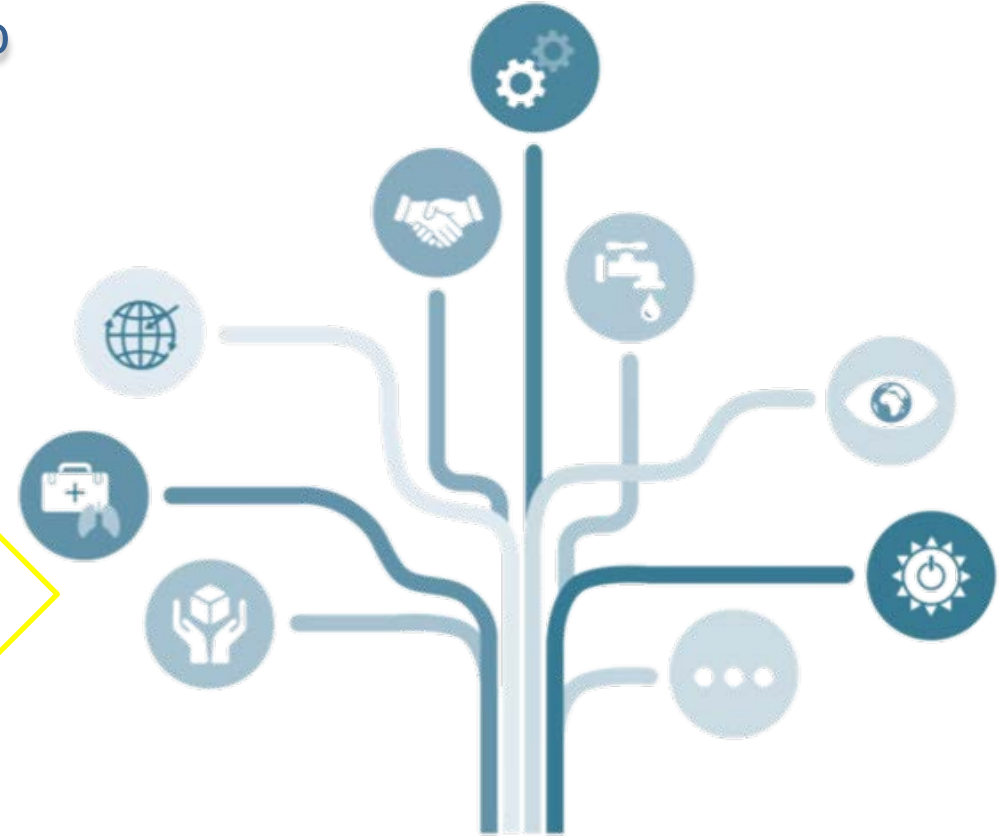


# International **COBENEFITS** Project

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**COBENEFITS Project in  
India, Turkey, South  
Africa, Vietnam**



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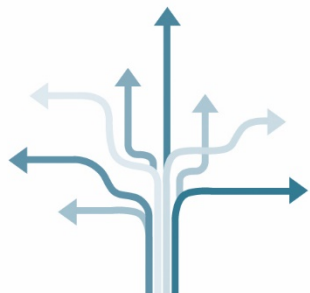
INTERNATIONAL CLIMATE INITIATIVE (IKI)



Federal Ministry for the  
Environment, Nature Conservation,  
Building and Nuclear Safety

based on a decision of the German Bundestag



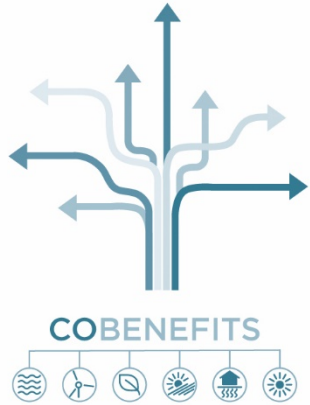


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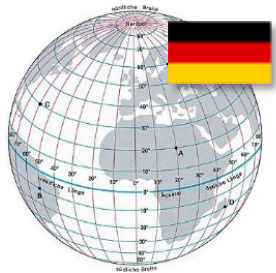
**Multiple Social & Economic Benefits** of Renewables drive global investments in the Energy Sector





## Lessons learned from Germany

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# The international Dimension of Germany's Energiewende

## Social and Economic Opportunities of Renewables

are driving the global energy transition



# 5 Chapters of Germany's Energiewende story as societal movement and economic transformation

## Energiewende: Nuclear Phase out & Transition to Renewables



1970s ●

1980s ⊕

1990s ⊕

2000s ⊕

2010s ⊕

**2018** ⊕





# 5 Chapters of Germany's Energiewende story as societal movement and economic transformation

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## Energiewende: Nuclear Phase out & Transition to Renewables

**1970s** ● Energy independence

**Oil Crises**

**1980s** ⊕ Resistance against Nuclear Power

**Chernobyl**

**1990s** ⊕ Climate Change Awareness

**IPCC**

**2000s** ⊕ Economic and Social Ownership

**Feed-In Tariff**

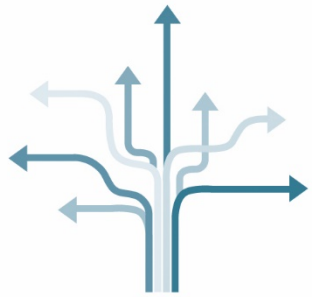
**2010s** ⊕ Political Consensus

**Fukushima  
Accident**

**2018** ⊕ *Coal Phase Out*

**Paris Climate Agreement**



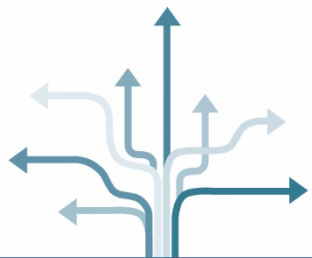


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# Feldheim, Germany near IASS





# Feldheim: Achievements



**Self-sufficient**  
supply

**Reliability**  
under peak loads

**Independence**  
with a private grid

**Financed**  
by pooling resources



42

wind turbines are  
located in the  
Feldheim wind farm



9844

photovoltaic  
modules are  
mounted on 248  
tracking systems in  
the Selterhof solar  
farm



10700

kilowatt hours is the  
capacity of Europe's  
largest Lithium-ion  
battery storage  
system



259000

liters of heating oil  
are saved in  
Feldheim every year  
thanks to the local  
district heating  
system

# Feldheim: Motivation – Co-Benefits



**Secure jobs**



**Long-term energy security**



**Financial benefits**



**Positive image building**

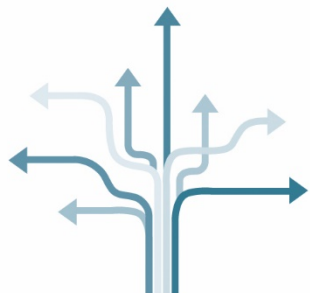
**MOTIVATION**  
for building a  
**energy self-sufficient village**



**Maximum independence**



**Preparing for the future**

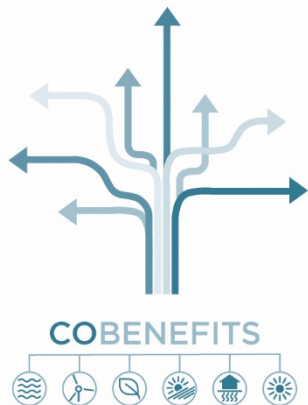


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**Mobilizing the Social & Economic Co-Benefits** of renewable energies and ambitious climate action





# Mobilizing the Social & Economic Co-Benefits of renewable energies and ambitious climate action



## Mission and lessons learned from the COBENEFITS project

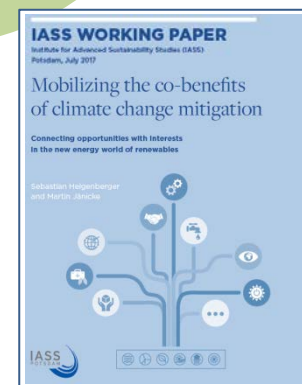
- **Connecting opportunities with interests:** context-specific and interest-oriented co-benefit assessments
- **Co-benefit assessments to connect to country-specific policy formulation + implementation** (e.g. NDC, SDGs)
- Developing and applying **scientifically sound and reproducible methods** for assessing co-benefits
- → Requires intense and productive science-policy interactions

Strategic  
Co-Benefit  
Assessments  
IASS (2017)

- Co-benefit assessments contribute to further **activating the Sustainable Development Goals (SDG)**

Last but not least:

**New mindset in climate policy: not any more about sharing burdens, but about sharing opportunities!**



Let's get into a dialogue



Muchas gracias por su atención

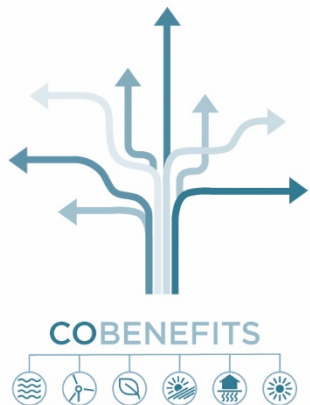
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## COBENEFITS Implementing Partners in Germany



The Institute for Advanced Sustainability Studies in Potsdam, Germany conducts policy-oriented research and consultancy on the Sustainable Development Goals mobilizing the social and economic opportunities of an international energy transition



**UfU**  
Independent Institute for  
Environmental Issues

The Independent Institute for Environmental Issues (UfU) takes an application-oriented and social-ecologic approach to issues such as environmental law, resource management and education for climate action.



The Renewables Academy AG (RENAC), based in Berlin, Germany, is a leading international expert for training and capacity building on renewable energy and energy efficiency.



IET – International Energy Transition GmbH is a Berlin based consulting firm providing advisory services for the transition towards clean energy systems, integrating increasing shares of renewable energy sources

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