

The RESILIENCE Climate Service

Predicting Renewable Power over Future Monthly to Decadal Timescales

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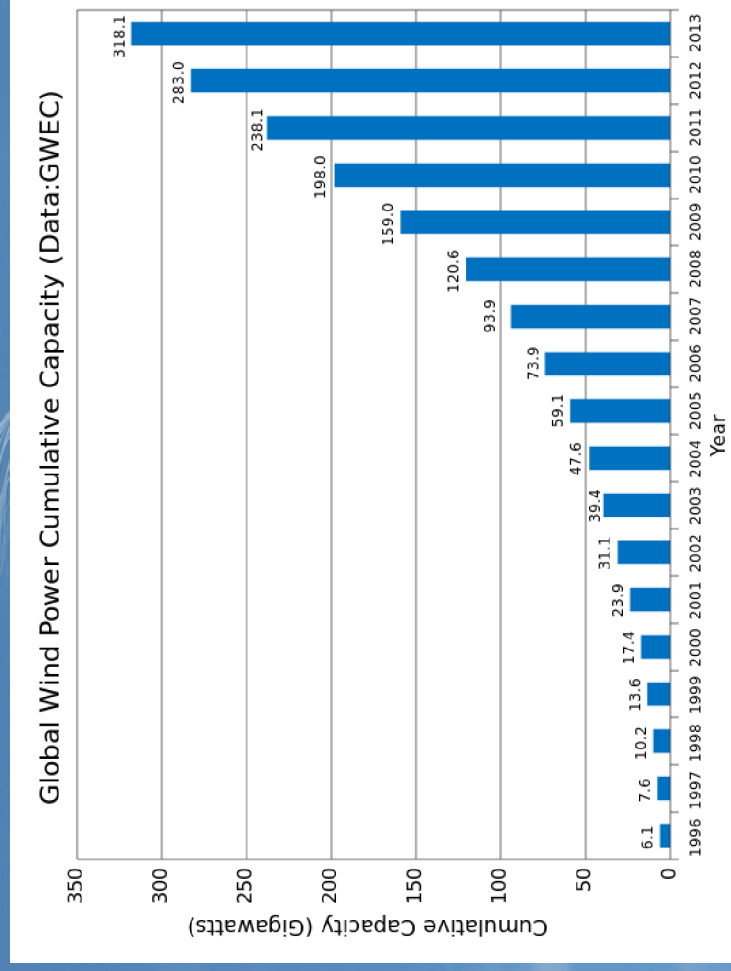


**“The development of any business requires
the ability to predict market movements over
which it operates.”**

Ignacio Lainez Aracama, Professor of Wind Energy, EOI and Director of Energy Assessments, EDP Renewables.
El País Article: 4th March 2014: Mix energético: las renovables y su predictibilidad



Worldwide installed capacity of wind power



RESILIENCE

Improve predictability of wind power generation

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Improve predictability of wind power generation

SERVICE: Climate predictions
from 1 month to 1 year, for wind
speed, wind power and
temperature

RESILIENCE
Climate Service

Wind Farm
Operator,
Owner or Investor

PRICE: Average of €16,000/yr
for a prediction report



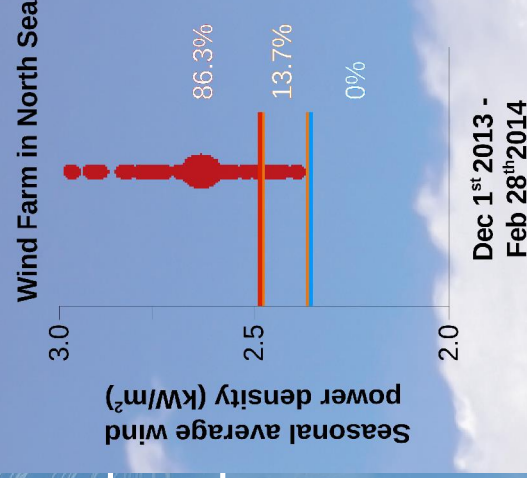
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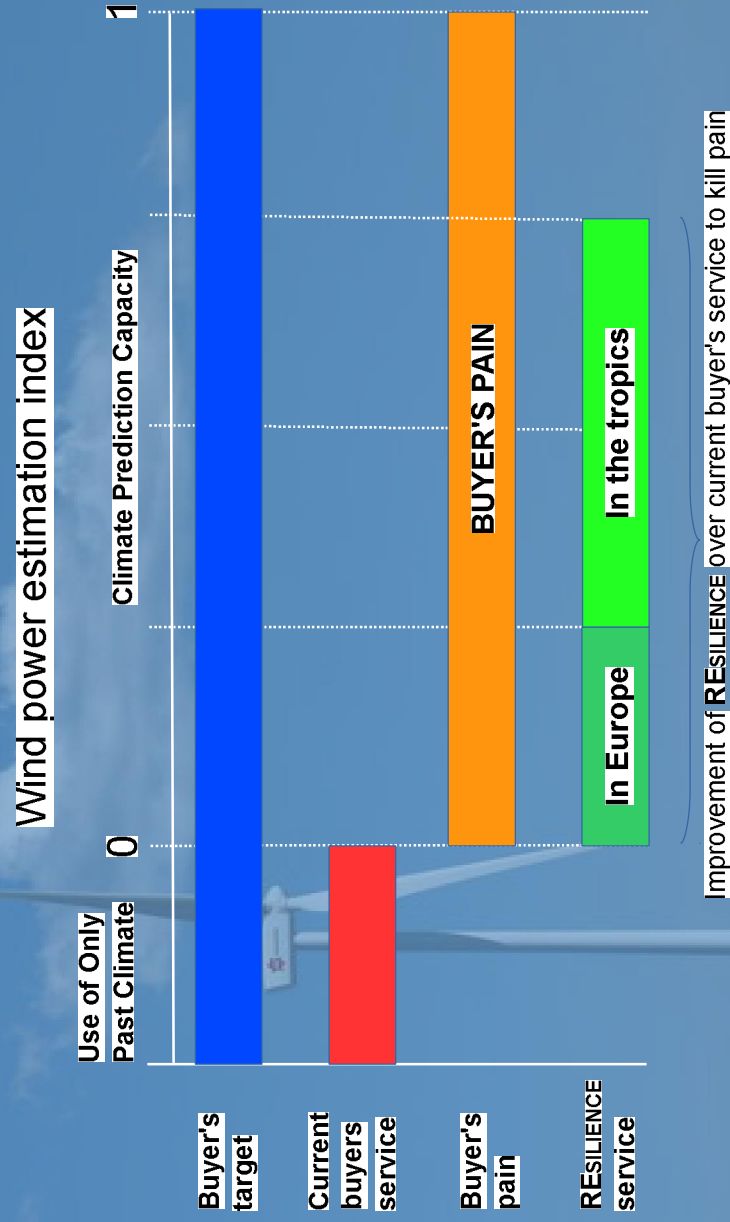


RESILIENCE BENEFITS

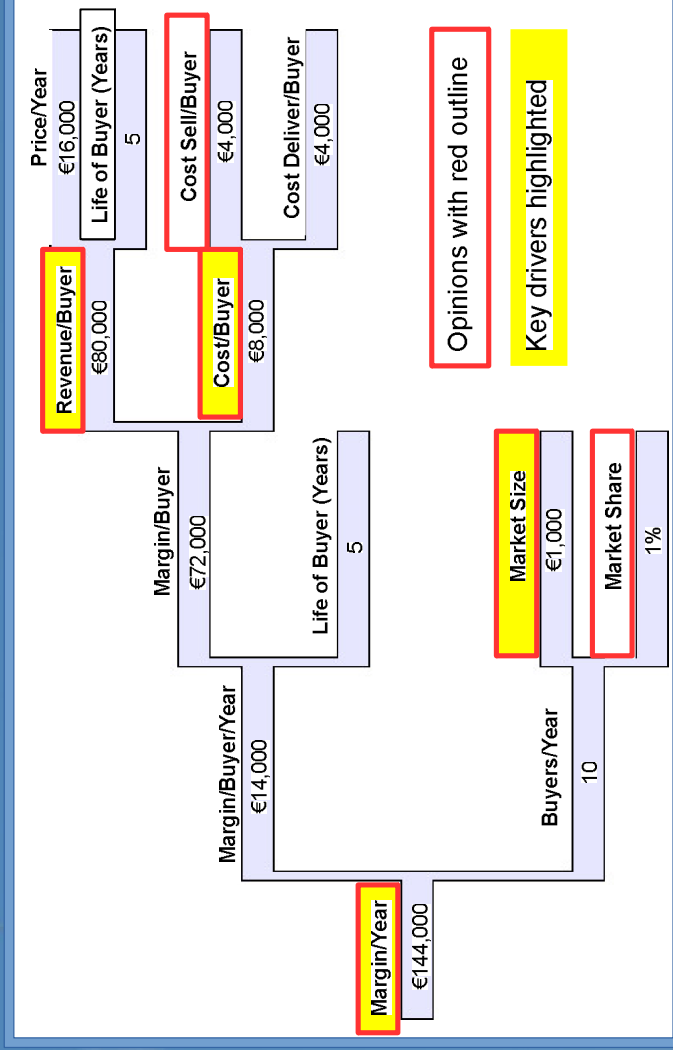
Significant cost savings by anticipating market changes:

- identifies vulnerabilities and risks
- facilitates strategic climate adaptation action

The First Markets: Central US, Brazil and Asia



RESILIENCE FINANCIALS: Year 1



Competitive advantage: Few established climate prediction services.
None specifically for energy.

FOUNDER'S DREAM

100% global renewable energy generation.

“[Renewable] energy provision may be anticipated, not only in the short and long term as it is today, but also at intermediate horizons, where a huge market niche appears.”

Ignacio Lainez Aracama, Professor of Wind Energy, EOI and Director of Energy Assessments, EDP Renewables | El País Article: 4th March 2014: Mix energético: las renovables y su predictibilidad



2013 Profits: \$3,716 mil.

Global RE power: 12,500 MW



2013 Profits: \$4,822 mil.

Global RE power: 8,900 MW



2013 Profits: \$2,852 mil.

Global RE power: 5,000 MW



2013 Profits: \$1,415 mil.

Global RE power: 535 MW



2013 Profits: \$174 mil.

Global RE power: 2,310 MW