



Poznan, 25 November 2009
**Capacity Building - driver for the international
implementation of RET**
Tina Völker, Renewables Academy AG



What do we need to implement renewables I

- > Government and other stakeholders' commitment
- > Resource assessment
- > Secure legal framework to develop a stable market
 - > Feed-in tariff, quota system, tax exemptions, loans, etc.
 - > Grid access and grid integration
- > Liable technology

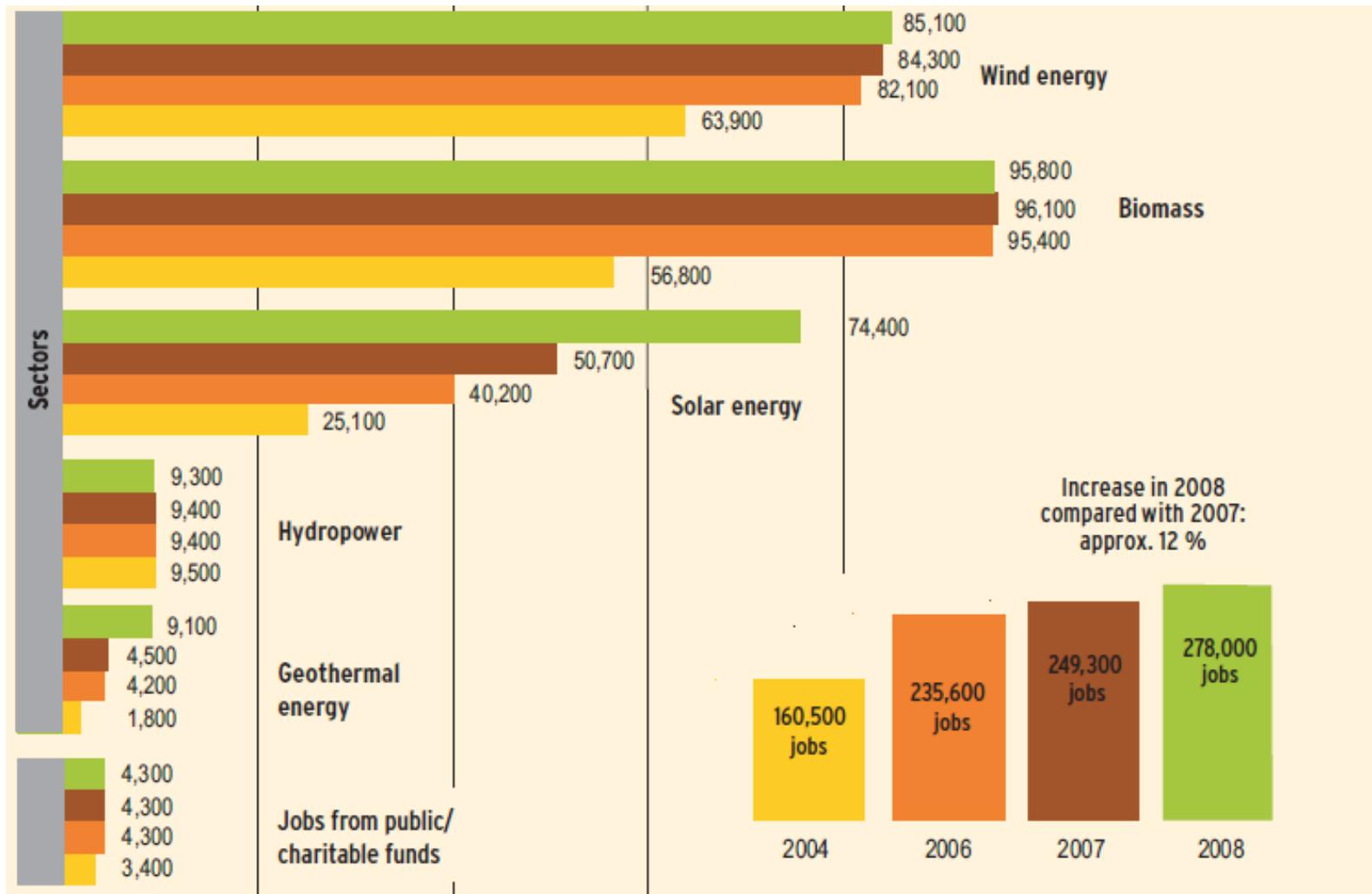


What do we need to implement renewables II

- > Financing
- > Strong and reliable institutions, strong dedication and driving force
- > Qualified and specialized staff
- > Public awareness / end-user awareness



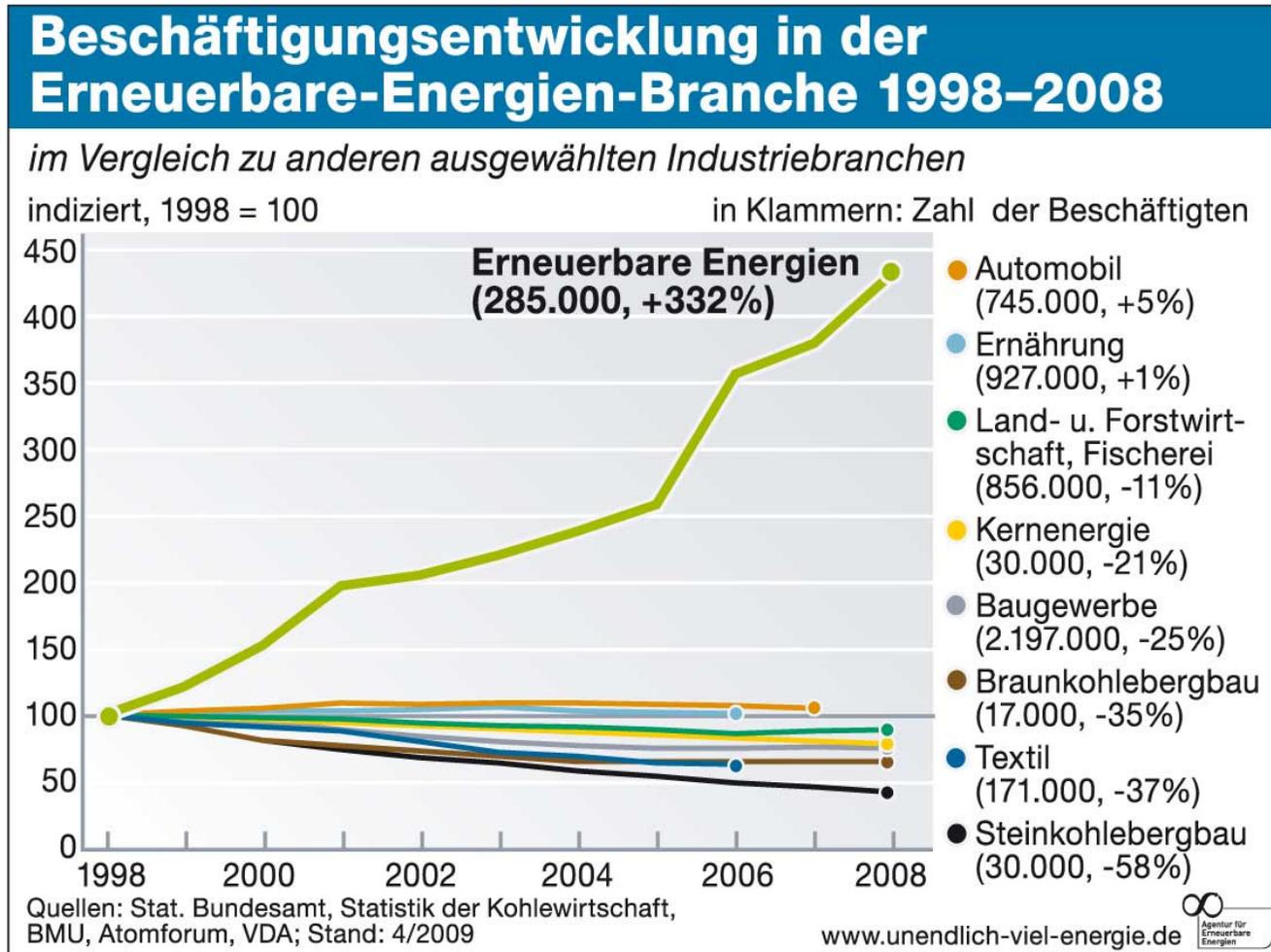
Jobs in the renewable energy industry in Germany



Source: BMU: www.erneuerbare-energien.de

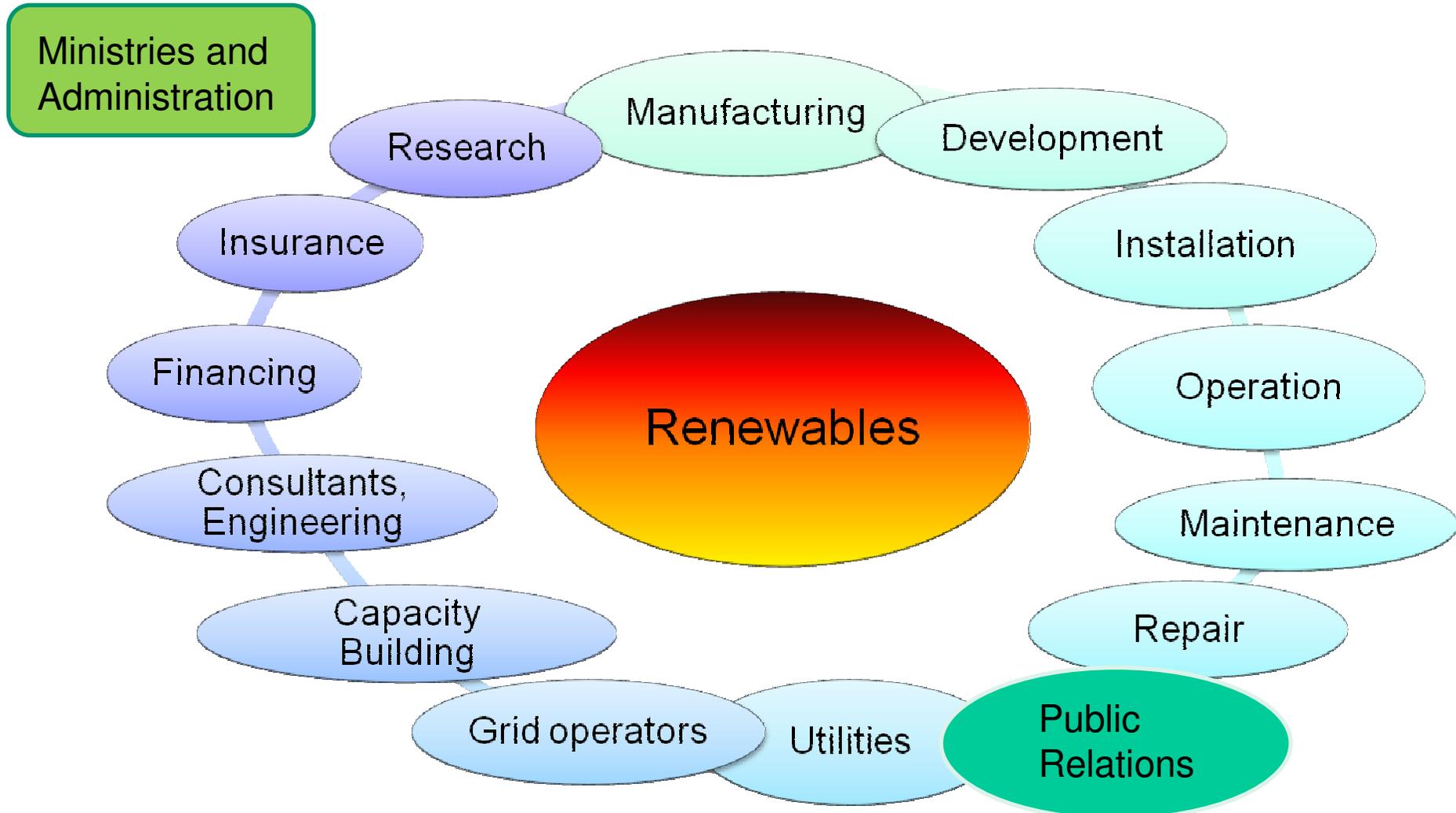


Job development in the renewables industry





Renewables – areas of employment





4 areas and target groups for capacity building

- > Legal frameworks and administration > decision makers and staff public bodies
- > Technology > technicians, engineers, project developers, grid operators
- > Financing > banks and other financing institutions
- > Public relations > press and media to inform general public
- > Differentiation regarding status of development > industrialized nations, emerging and developing nations



How to develop a strategy for capacity building in a country?

- > Involving relevant stakeholders
- > Analysing skills of local staff
- > Analysing which further expertise is necessary in order to match the needs of a new industry (solar, wind, biogas, etc.)
- > Getting advice from countries who already are successful in the renewables sector
- > Preparing, implementation of training
- > Evaluation

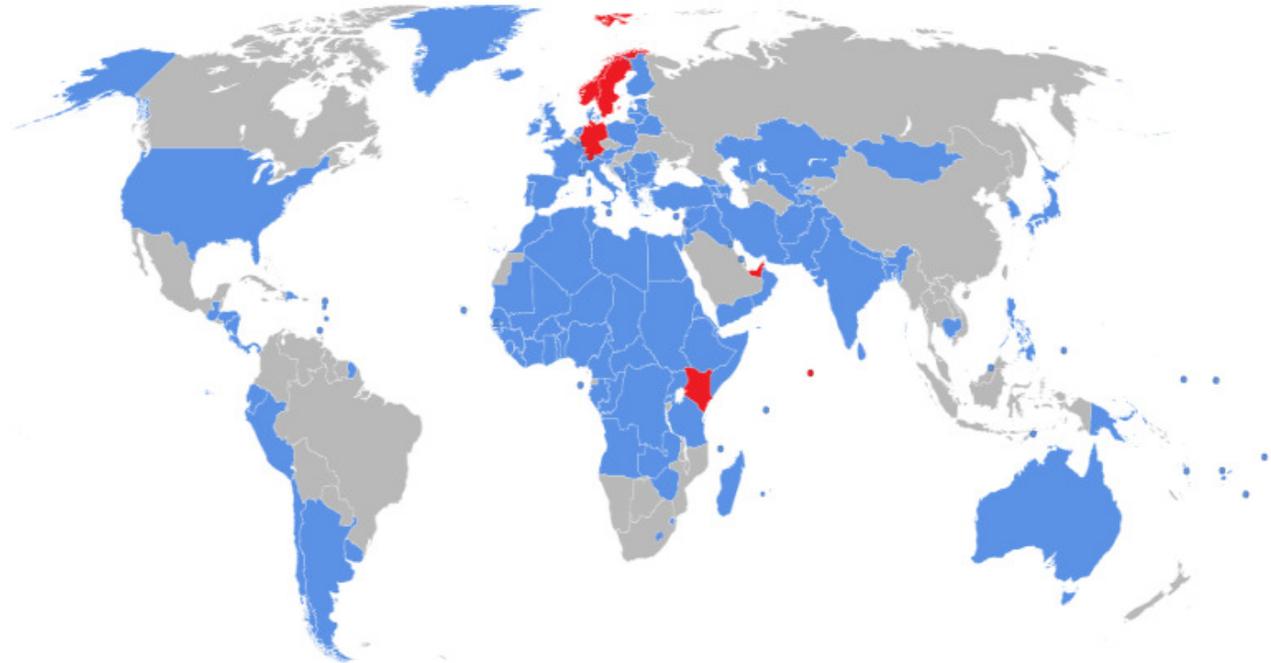


Approach to education

- > University courses on renewable energy in general or specified (bachelor and master degrees), e.g. solar master program of the Technical University of Berlin in cooperation with RENAC
- > Focus on/integration of renewables in existing university courses (electrical engineering, etc.)
- > Vocational training and education of specialists in the companies of the sector
- > Further education and training for working people on various issues
- > Pilot projects to experience the whole project cycle



IRENA



- > Capacity Building: Further education for Governments/ Ministries to support creation of suitable frameworks for the implementation of RET
- > Exchange of know-how and experience on an international level



**The Renewables Academy AG – a private
further education company**



Further education and training at RENAC

- > Technology focus:
 - > Photovoltaics, solar thermal, concentrating solar power (CSP)
 - > Wind energy and grid integration
 - > Energie efficiency

- > Courses:
 - > A combination of lectures and practical training
 - > Courses in English



Further education and training at RENAC

- > Content:
 - > Political and legal frameworks for renewables
 - > Technical and engineering courses
 - > Calculation of profitability and financing
 - > Project development and project management
 - > International market access, marketing and sales

- > Target groups - national and international
 - > Companies of energy- and supplier industry
 - > Project developers
 - > Insurances and financing institutions
 - > Public bodies



RENAC participants





Conclusions

- > Growth of the renewable energy industry depends on qualified staff
- > Trained and specialised staff is one of the most relevant prerequisites for the sustainable implementation of renewable energy technologies in a country
- > YES! Capacity Building is a driver for the international implementation of renewable energy technologies!



Thank you!

Contact

Renewables Academy (RENAC) AG
Schönhauser Allee 10-11
10119 Berlin
Phone: +49 30 – 52 689 58 - 77
Fax: +49 30 – 52 689 58 - 99
E-mail: voelker@renac.de
www.renac.de