



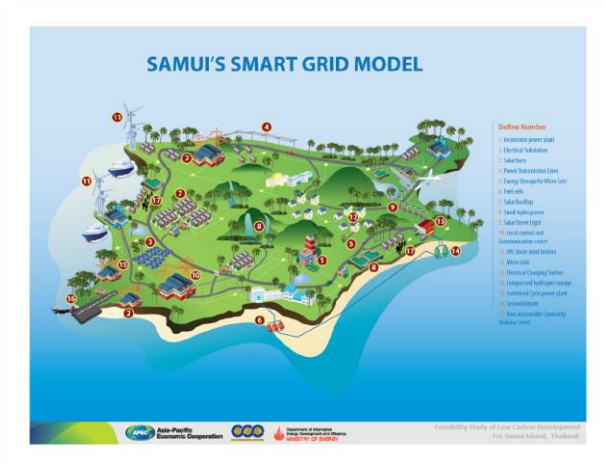
Community-based renewable energy projects in Thailand

Thai-German Technology Conference: Biogas in Thailand

June 8, 2015

Project Development Programme South-East Asia

MoE Focus on Community-Based Approaches



Source: DEDE

- Initiatives and pilot projects
- Many existing community projects and approaches in Thailand (hydro, biogas, biodiesel, MSW, solar)
- Good infrastructure of cooperatives

Community-Based RE Projects in Germany



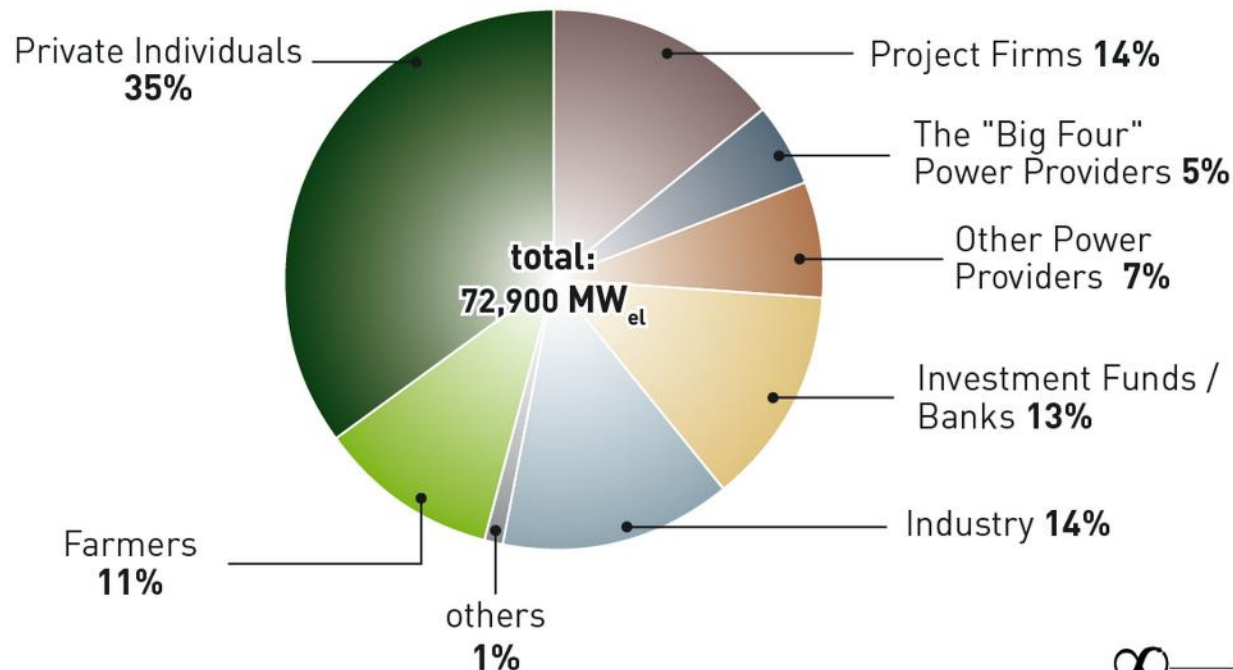
Source: <http://self-sustaining-communities.eu/de/communities/bioenergiedorf-feldheim-d>

- Rural communities and individuals drive the Energy Transition
- Small, energy independent communities (Feldheim) and large community projects (Saerbeck, Morbach)

Community-Based RE Projects in Germany

Renewable Energy in the Hands of the People

Ownership distribution of installed RE capacity for power production
2012 throughout Germany.



Source: trend research; as of: 04/2013

www.renewables-in-germany.com

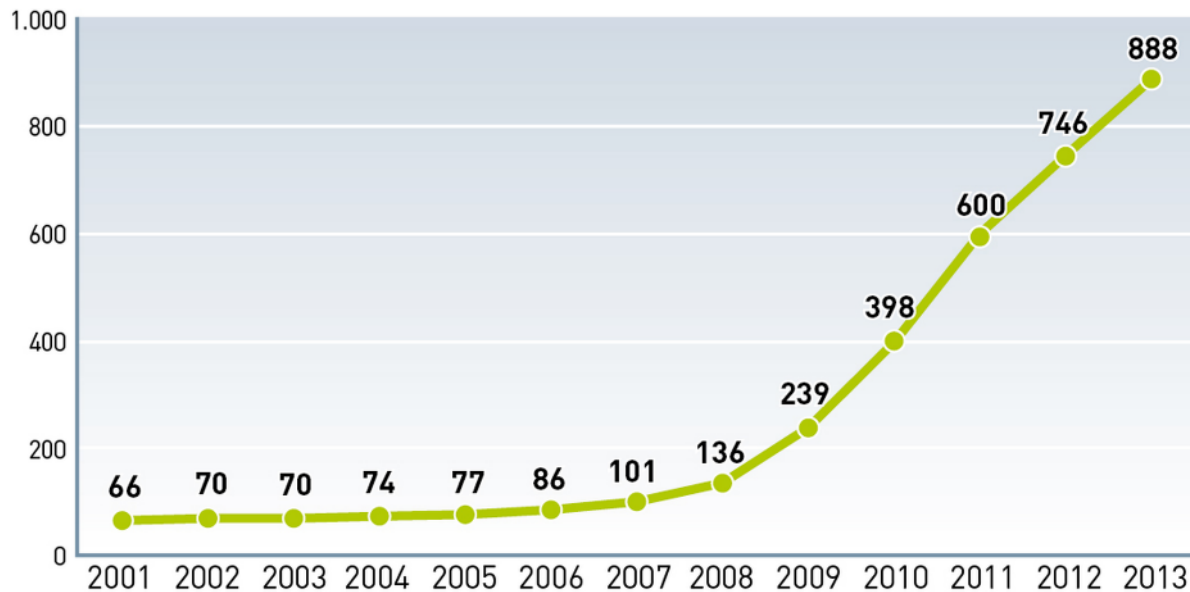


- German Energy Transition = Social Transformation
- Almost 50% of all RE in community/ local residents' hands
- 10% of overall electricity consumption 2012 generated in communities

Boom of Renewable Energy Cooperatives

Energy Co-operatives in Germany: A Success Story

Over the last few years the number of energy co-operatives has increased sharply.



Source: Klaus Novy Institut; as of 01/2014

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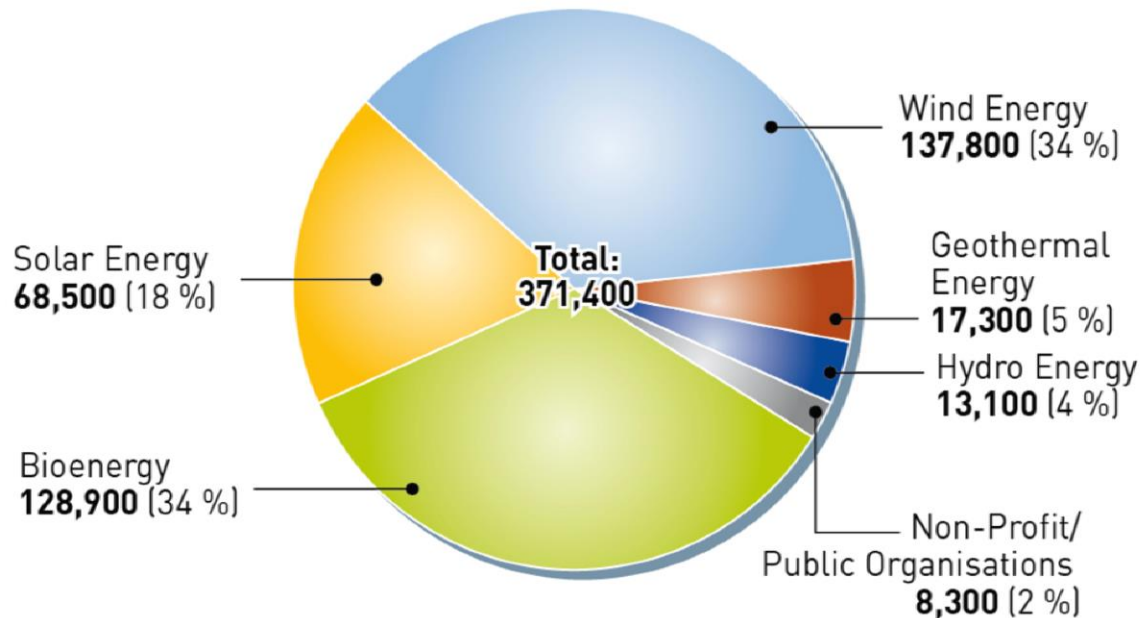


- ✓ Community ownership models connect **ecological and economic** interests.
- ✓ Citizens play **active role** in municipal energy policy
- ✓ Joint **financial, conceptual + organizational** input

Local Job Creation

Renewable Energies in Germany: 371,400 jobs in 2013

employees in different sectors



Quelle: DLR/DIW/ZSW/GWS/Prognos
Stand: 5/2014

www.renewables-in-germany.com



- ✓ Biogas development needs local acceptance
- ✓ **Benefit** of income is key to local **acceptance** of RE

Exchange is important



Source: GIZ

Seeing is believing



Source: GIZ

Goal of the Project Development Programme

Thai communities are **aware** of the benefits of local energy production and are continuously **exchanging** with German renewable energy communities, companies and experts.

A **reference project** is initiated where German companies cooperate with Thai companies and local stakeholders. The project shall combine different renewable energy or intelligent grid technologies to the **benefit of the local community**.

Vision





Federal Ministry
for Economic Affairs
and Energy



Thank you...

ขอบคุณค่ะ

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<http://www.thai-german-cooperation.info/renewables-sea.html>

Facilitator

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