

International scientific collaboration for bio-energy development

Case study German Climate Initiative



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Exchange /
Cooperation

- Scientists from Mongolia, Russia, Jordan, China, etc. at DBFZ
- International R&D and consulting projects include Brazil, Chile, India, China, Latin American and African countries
- In Eastern Europe, joint research projects with Ukraine, Russia, Belarus started; furthermore collaborations with organizations in Poland, Hungary
- **Policy-making:** Advisory services and research
- **Technology:** Research collaborations, feasibility studies, technology transfer assistance
- **Capacity-building**



Establishing networks of excellence with Russian Regions Nizhny–Novgorod, Kirov and Kaluga for bioenergy use in Russia (2009 – 2011)

Establishing sustainable and stable networks of excellence and knowledge transfer between Russian and German Partners on bio energy use

Knowledge transfer for establishing and operation of facilities using biogenic residues in Tatarstan/Russian Federation

Establishing a centre for research and information transfer with a biogas laboratory (completed), capacity building for operations

European bio-methane strategy

Assessing the feasibility for bio-methane imports from CIS to the EU

East European bio-energy networks

R&D networks with research institutions and the private sector from Belarus, Russian Federation, Belarus and Germany

East European bio-energy networks Some lessons learned

Challenges

Participation

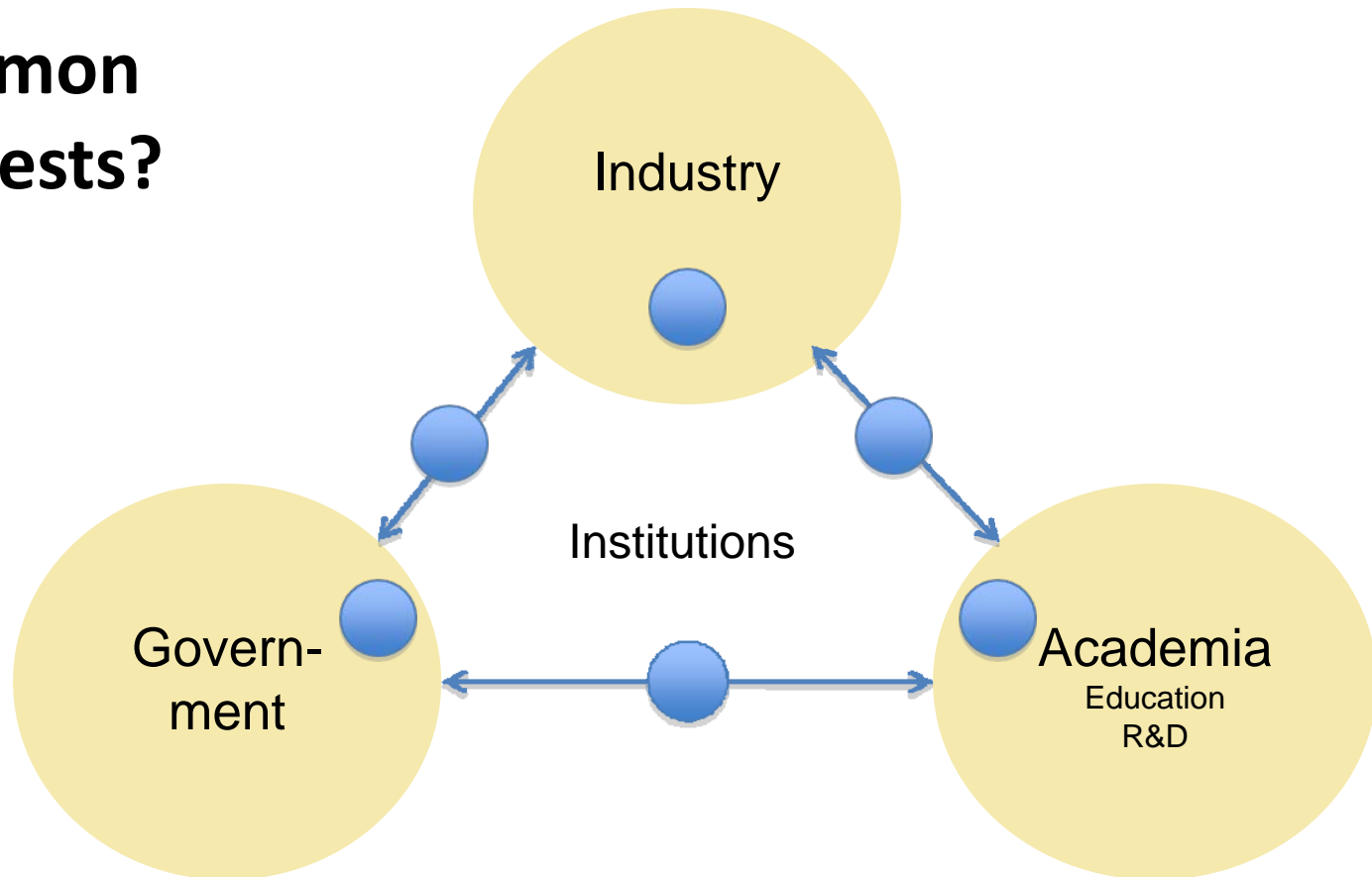
“Will I get paid for my participation?”

Sustainability

“What will be after 2011?”

3. Developing and strengthening bioenergy networks in Eastern Europe

Common interests?



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Common interests?

	Ukraine	Germany
R&D strategy and funding	In place? issue of incentives, budget constraints	In place, budget commitment
Market demand for R&D	Early stage, weak links between R&D and business community	Demand growing, mature links between R&D and business community
R&D development stage	Early or late followers, or absorbers?	Pioneers

3. Developing and strengthening bioenergy networks in Eastern Europe

Common interests?

Allocation of R&D spending of large enterprises
(in %, 2006)

	RU	GER	FIN
R&D, internal	11,5	51,3	57,0
R&D, external	4,2	3,7	11,5
Planning, market research, HR	22,5	15,1	5,8
Technology license purchase	1,4	2,7	8,0
Machinery and equipment purchase	60,3	28,2	17,9

Source: Minpromenergo RF, 2006

3. Developing and strengthening bioenergy networks in Eastern Europe

Common interests?

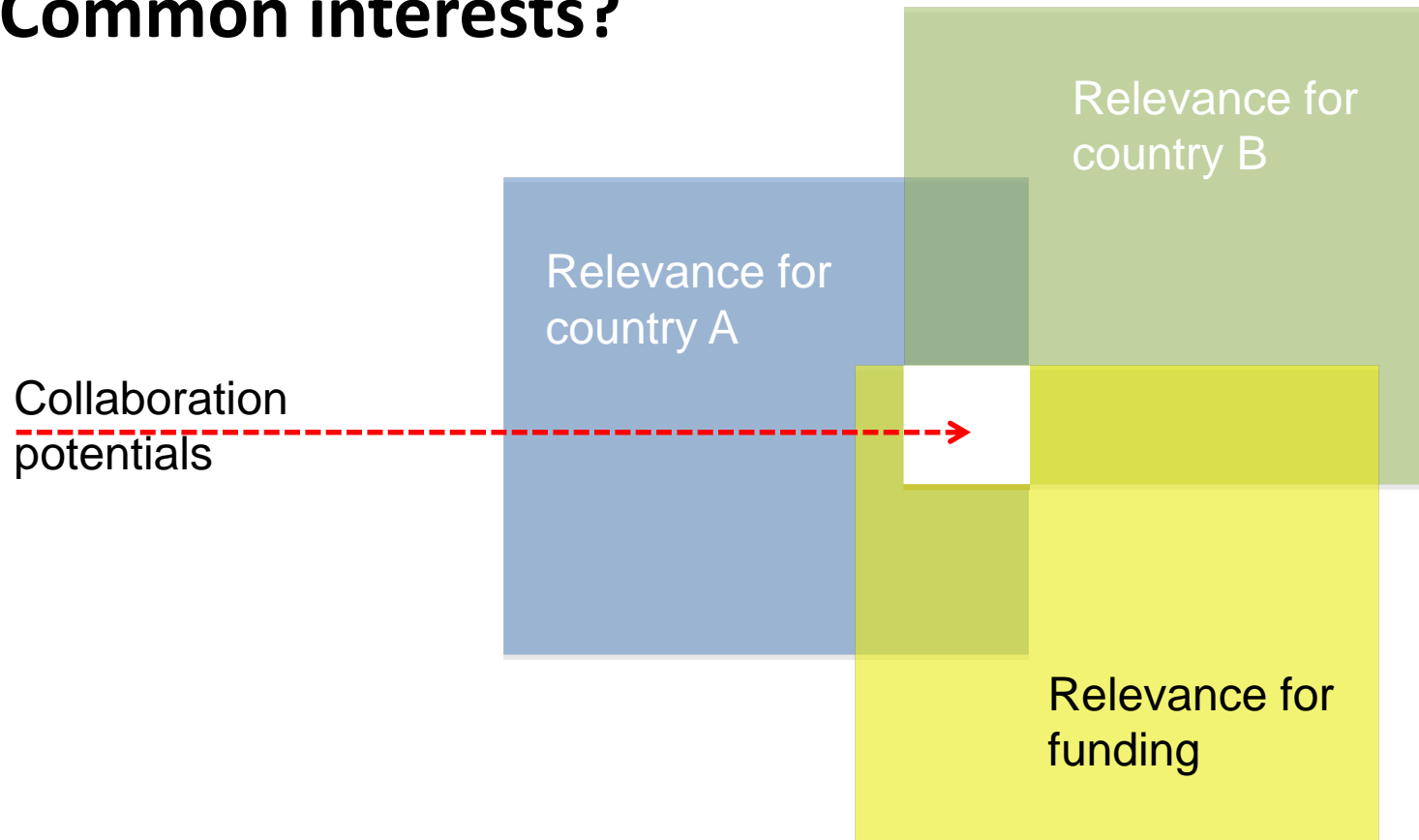
Role of legacy and transition

- Dominant role of government in R&D
- Focus on large-scale industry
- R&D and education system reforms
- Demographic factors
- Technical education and the social role of higher education



3. Developing and strengthening bioenergy networks in Eastern Europe

Common interests?



Thank you very much for your interest.

For more information:

<http://international.dbfz.de>