



Deutsches Komitee Katastrophenvorsorge e.V.  
German Committee for Disaster Reduction  
*within the International Strategy for Disaster Reduction (ISDR)*



## **Risk sensitive adaptation – the private sector**

**Mobilizing the private sector  
(SME) for risk sensitive  
adaptation to climate change**



Forest Fire

German Committee for Disaster Reduction (DKKV)  
19 May, 2012



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German Committee for Disaster Reduction  
*within the International Strategy for Disaster Reduction (ISDR)*



- Background
- Impact of Climate Change on SME
- Awareness
- Hindrances
- Options
- Needs
- Government, science, private sector
- Best Practice
- The way ahead



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## **Background**

The important role of the private sector

To identify the potential of SME in CCA with regard to extreme events



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## **Background**

Are there already activities of SME?

Are there governmental or private sector services available to support SME?

What are the hindrances?

Is there a need for support articulated by SME?



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## Background

Are there services and products by SME which could be useful in the framework of development cooperation?

Are there already international co-operations with partners?



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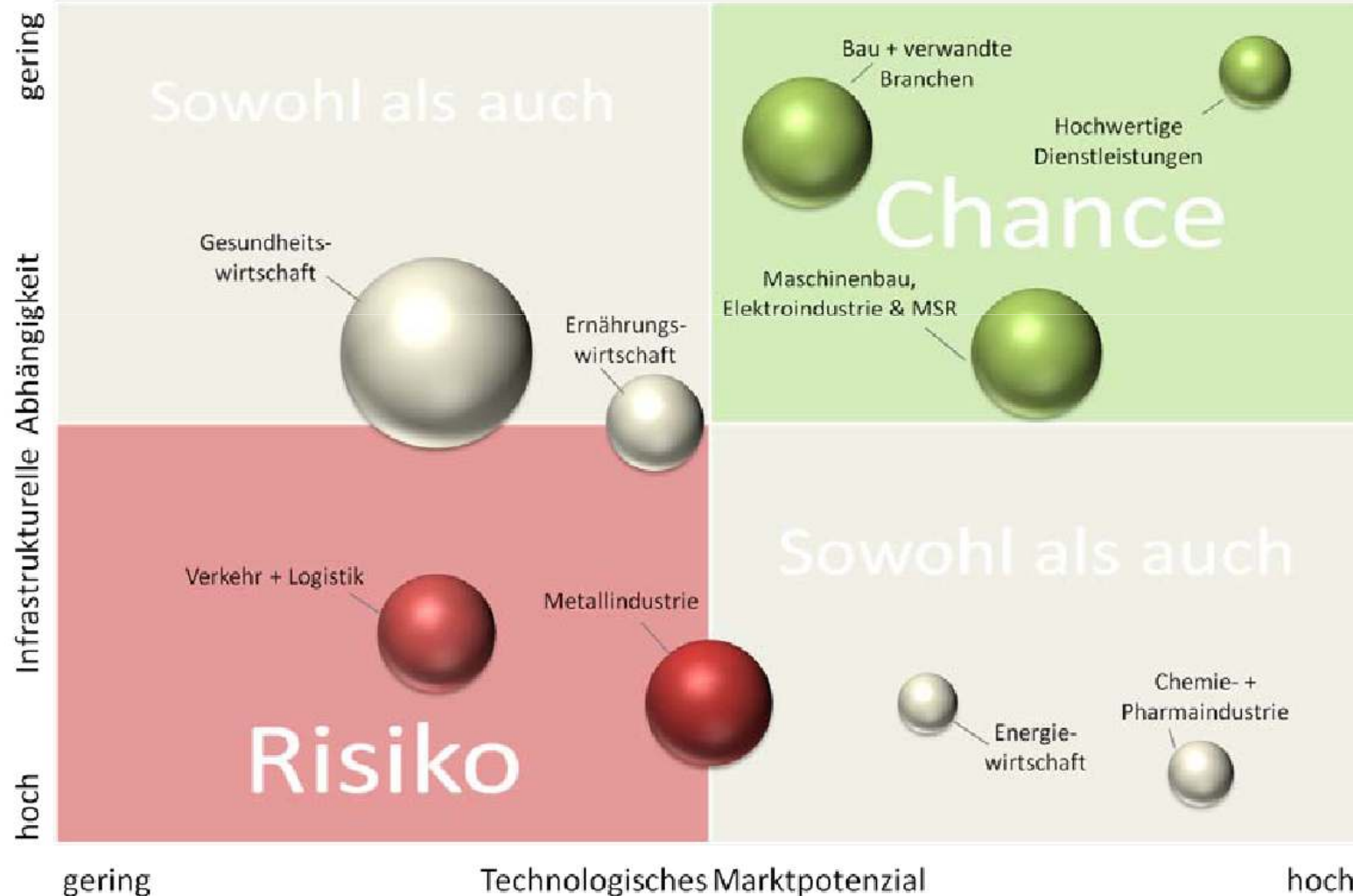
## **Impact of CC on SME**

Three dimensions: physical, economical and regulatory framework

Negative impacts on: agriculture and forestry, industry, energy production, service providers, trade, tourism

Chances: service providers, construction companies, certain sectors of industry







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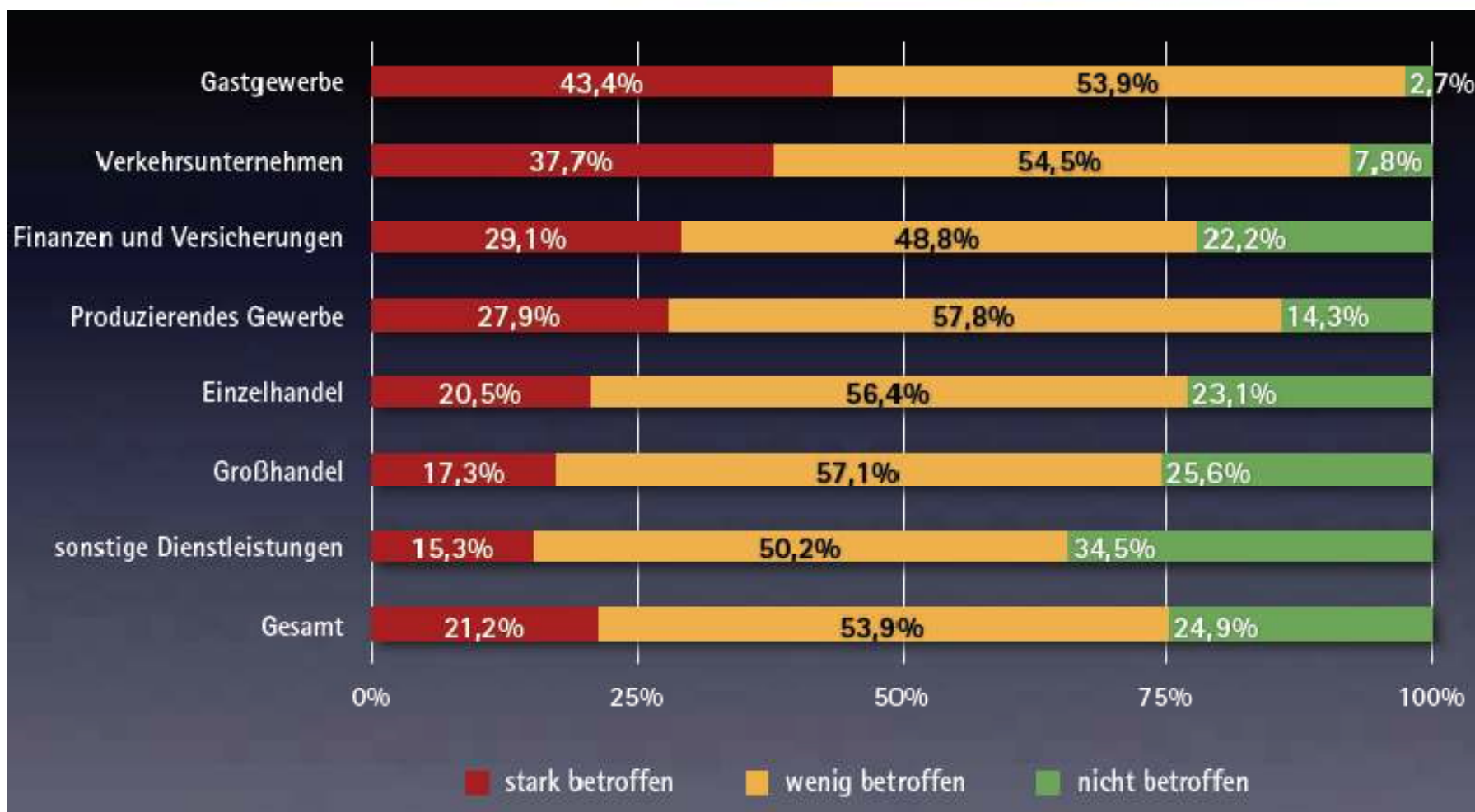
## Awareness

Not really existing

Adaptation mixed with mitigation

Survey in 2009 (Bavaria) out of 15.000 contacted only 1.167 responded. Only 20% of the respondents mentioned negative impacts on their company by climate change.







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## **Awareness**

Placed in the framework of a more general sustainable development activities

Big companies integrate CCA in their comprehensive risk management strategies



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## **Hindrances**

Perception of the impacts of CC

Uncertainties (climate change, regulatory framework)

Time scale



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## **Hindrances**

Shortage of resources

Lack of potential for diversification

Lack of strategic risk management



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## **Options**

Relocation of plants

Flexibilisation of products and production processes

Early Warning and disaster management strategies

Risk transfer mechanisms/insurance



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## Needs

Protection of infrastructure (energy, transport)

Further research on climate impacts and impacts on different branches of the private sector

Clear regulatory frameworks and regional coordination

Development of adaptation options/knowledge-management





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## **Government, science, private sector**

Providing information on the effects of CC

Development of tools for risk management and CCA

Development of a regulatory framework (land-use planning, water management)

Risk Transfer/Insurance



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## **Best Practice**

Monitoring and Early Warning Systems

Products for CCA (e.g. Storm resistant roofs, Independent power supply systems)

Diversification of transport systems

Flexibilisation of production processes

CCA to protect supply lines



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## Examples

Mobile protection systems

Monitoring and Early Warning Systems

Storm resistant roofs

Diversification of transport systems

CCA to protect supply lines

Independent power supply systems



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## **The way ahead**

CCA in order to protect supply lines (e.g. Kornkraft)

Further investigation in CCA relevant products and services and transfer mechanisms (e.g. flood protection, self-sustaining power supply, impact scenarios of extreme events)

Further development of “Helpdesk” systems (e.g. Klimatlotse, ZÜRS)



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Thank you for your  
attention!

