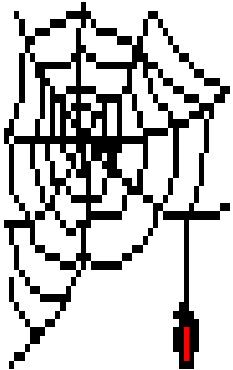


# Electricity Grids – A key enabler in the delivery of a sustainable energy policy

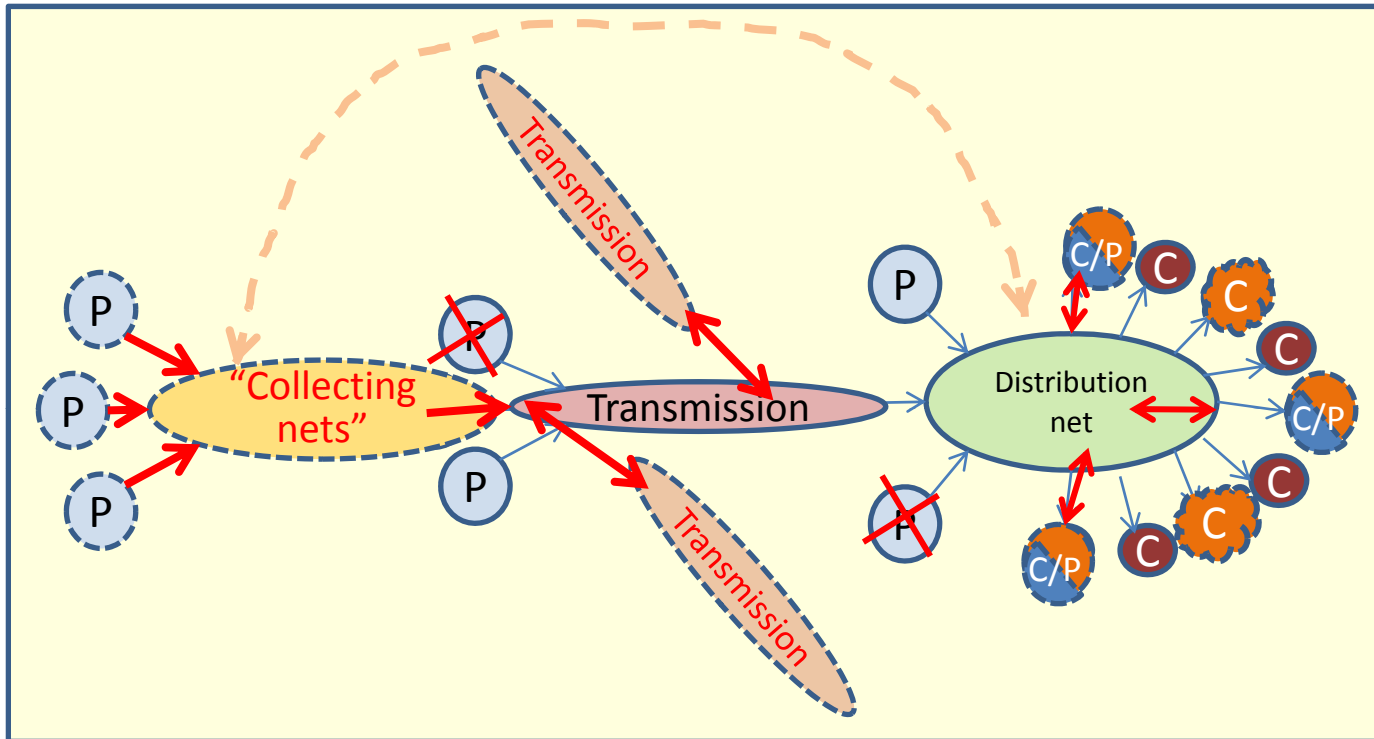


ENARD is:

- an IEA implementing agreement about Electricity Networks Analysis, Research & Development (ENARD)
- **a networking network about the development of networks**

# Networks are facing a revolution of increased complexity?

1. Increased transmission capacity driven by trade opportunities and market regulation



Transmission

2. Complexer user patterns



3. Customers feeding in (prosumers)



6. + a massive technical change, cablification, IT and new devices.

~~5. Loss of reliant and "well-placed" units. (from a net perspective)~~

4. local grids to channel the production before going into transmission. (Sometimes integrated with distribution; sometimes not)

"Collecting nets"

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Implementing Agreement



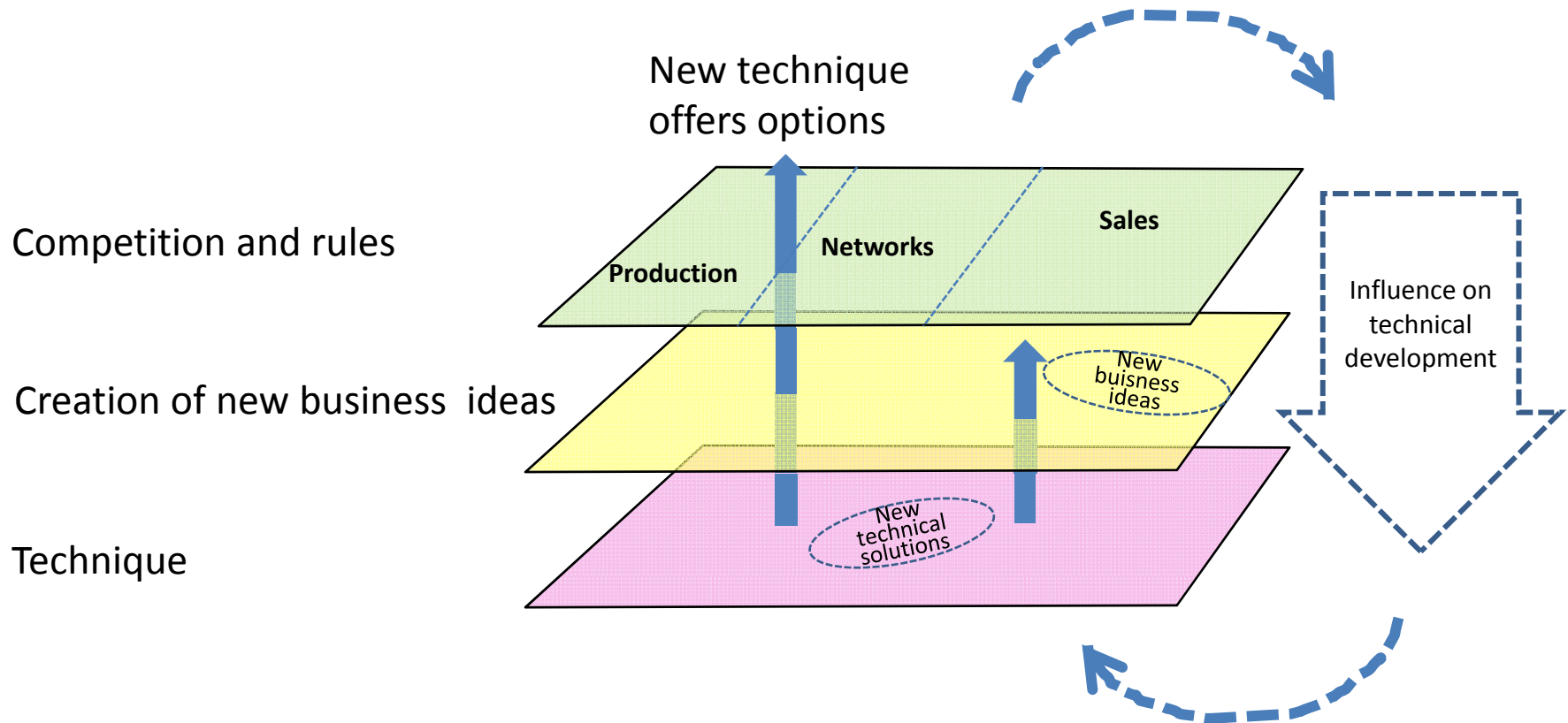
Stig Goethe  
Paris april 2010

**power circle**  
ELECTRICITY FOR SUSTAINABLE ENERGY



Bild 2

**But the technical dimension is just one of the layers that will effect the business**



**Network changes are not just technical.  
 The new conditions will change future electricity markets in many ways.  
 We do not know the final outcome, but we need to manage the process!**

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 Paris april 2010

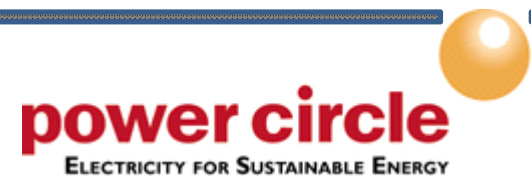


Bild 3