



Solar Cluster Workshop Chennai, 29<sup>th</sup> September, 2017

# **SOLAR CLUSTER BADEN- WÜRTTEMBERG**

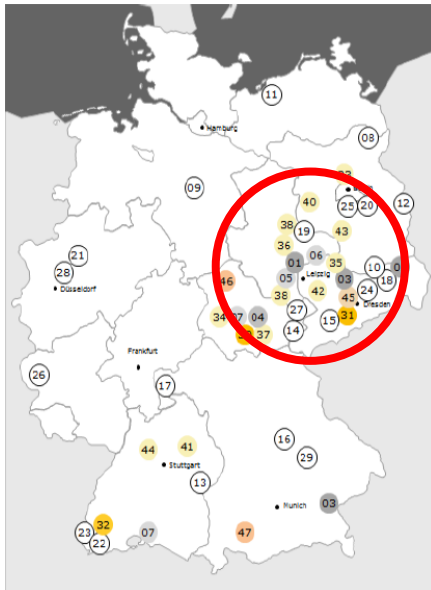
DR. CARSTEN TSCHAMBER

- Association of >40 companies and research institutes from all along the solar energy value chain → **your single point of contact for all solar-related products and services**

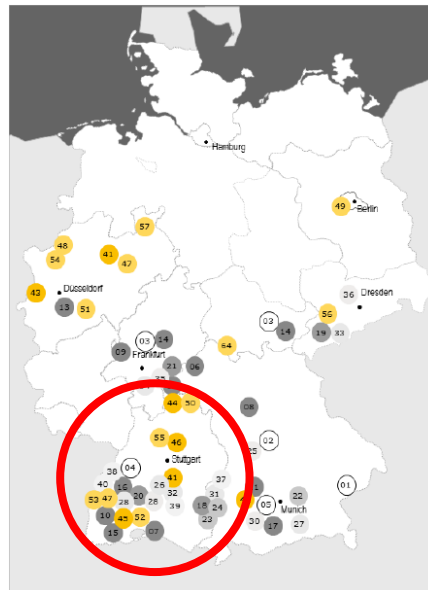


- Activities and Projects
  - Internationalization: Cluster- und Delegation Trips to India, Brazil and Turkey (in cooperation with bw-i and the Ministry of Finance and Economics BW)
  - “PV Investor’s Day” in Istanbul Dec. 2013, Rio de Janeiro/Recife June 2015
  - Joint international (“Green Silicon”) projects

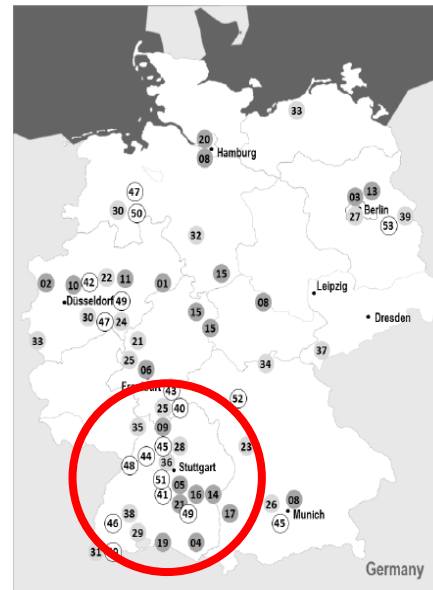
## Why Baden-Württemberg?



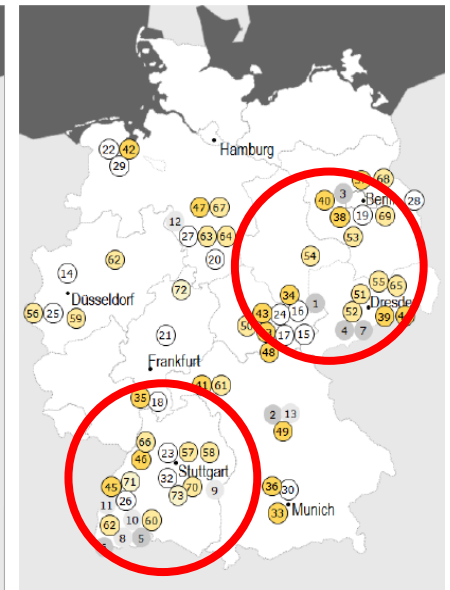
PV Module  
Manufacturers



PV Equipment  
Suppliers



PV System  
Components



PV R&D

- Two focus regions in Germany: „Solar Valley“ in Eastern Germany and the Southwest = **Baden-Württemberg**
- Traditionally strong in R&D and equipment manufacturing
- Home of the **Solar Cluster Baden-Württemberg**

Source: German Trade and Invest

# Our Members

As of 1 July 2017



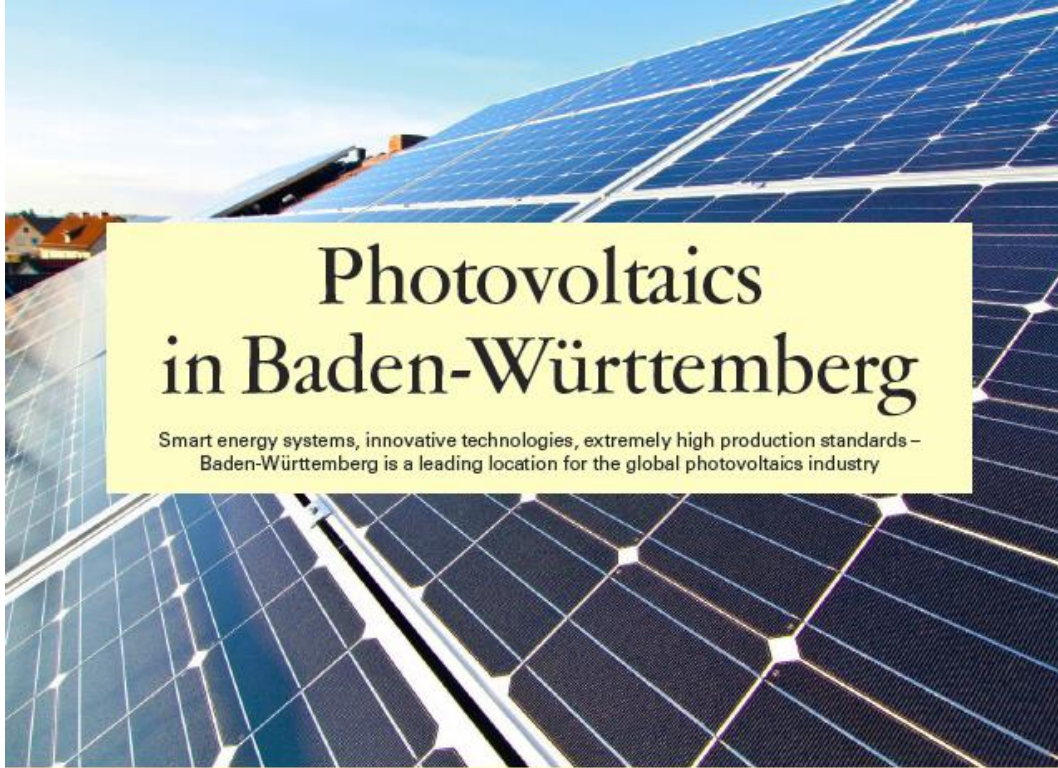
## „Green Silicon“ Study

- Investigation of financial, technical and economical feasibility of vertically integrated (quartz → PV module) PV module production in Paraná, Brazil
- Clients: Itaipu Binacional and Industry Federation Paraná (FIEP) → Study complete Dec. 2015
- Main Targets
  - Production capacity adapted to market, aim to be competitive on world market
  - Full value chain (in case of c-Si from quartz to PV module)
  - Focus on local and regional markets → local-to-local
  - Maximum local value creation (jobs, taxes etc.) and resource usage (raw materials, electricity etc.) → green-to-green

## Project Partners








## Photovoltaics in Baden-Württemberg

Smart energy systems, innovative technologies, extremely high production standards –  
Baden-Württemberg is a leading location for the global photovoltaics industry



Baden-Württemberg  
Where ideas work.

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