

# GREEN INDUSTRIAL SKILLS FOR SUSTAINABLE DEVELOPMENT

CONFERENCE JULY 1, - 42. WORLDSKILLS COMPETITION, LEIPZIG 2013

Elfi Klumpp  
Board Member WorldSkills Germany,  
WorldSkills Leipzig 2013 / WorldSkills International

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- WorldSkills Germany & Leipzig 2013
- WorldSkills Germany initiative for green industrial skills disciplines
- WorldSkills Germany ready to share partnership and cooperation

# WORLDSKILLS GERMANY / LEIPZIG 2013 - MEMBERS MISSION

PROMOTE AND RAISE AWARENESS FOR VOCATIONAL EDUCATION & SKILLS



WORLDSKILLS IS A GLOBAL MOVEMENT – COOPERATIVE ACTION VIA MEMBERS

## WORLDSKILLS GERMANY

- Germany has a long tradition in skills competition, 2006 revitalisation
- Rapidly growing, private, non government, non profit association
- High industry involvement with government cofinancing (PPP)
- Fokus on Dual Partnership Model reflecting the the Dual Training Approach
- Bid initiator & WSI Host Member for the WorldSkills Leipzig 2013
- WSG Partners have high interest in development of future oriented skills & disciplines with adoption of latest technology

# WSG – STRONG MEMBER DRIVEN PARTNERSHIP

## STRONG DEMAND DRIVEN NEED FOR GREEN SKILLS



Member of

## THE HOUSE OF COMPETITIONS

### WorldSkills Germany / Leipzig 2013 Green Skills Initiative

# 46 WorldSkills disciplines\*

Hall 1 and open-air ground 1

Sector/Cluster 1	Sector/Cluster 2	Sector/Cluster 3	Sector/Cluster 4	Sector/Cluster 5	Sector/Cluster 6	Sector/Cluster 7
<b>Transportation &amp; Logistics</b> <ul style="list-style-type: none"> <li>Autobody Repair</li> <li>Automobile Technology</li> <li>Aircraft Maintenance</li> </ul>	<b>Construction and Building Technology</b> <ul style="list-style-type: none"> <li>Wall &amp; Floor Tiling</li> <li>Painting &amp; Decorating</li> <li>Plastering &amp; Drywall Systems</li> <li>Plumbing &amp; Heating</li> <li>Bricklaying</li> <li>Cabinetmaking</li> <li>Carpentry</li> <li>Joinery</li> <li>Refrigeration &amp; Air Conditioning</li> <li>Landscape Gardening</li> <li>Car Painting</li> <li>Architectural Stonemasonry</li> <li><b>Big Machinery</b></li> <li><b>Pipeline Construction</b></li> <li><b>Road Building</b></li> </ul>	<b>Manufacturing Technology</b> <ul style="list-style-type: none"> <li>Polymechanics/Automation</li> <li>Construction Metal Work</li> <li>Mechatronics</li> <li>CNC Turning</li> <li>CNC Milling</li> <li>Welding</li> <li>Mobile Robotics</li> <li>Sheet Metal Technology</li> <li>Manufacturing Team Challenge</li> <li>Electronics</li> <li>Prototype Modelling</li> <li>Electrical Installations</li> <li>Industrial Control</li> <li>Plastic Die Engineering</li> </ul>	<b>Information and Communication Technology</b> <ul style="list-style-type: none"> <li>Information Network Cabling</li> <li>IT Software Solutions for Business</li> <li>Print Media Technology</li> <li>Web Design</li> <li>IT Network Systems Administration</li> <li>Mechanical Engineering Design - CAD</li> </ul>	<b>Creative Arts &amp; Fashion</b> <ul style="list-style-type: none"> <li>Jewellery</li> <li>Floristry</li> <li>Fashion Technology</li> <li>Graphic Design Technology</li> <li>Visual Merchandising/Window Dressing</li> </ul>	<b>Social and Personal Services</b> <ul style="list-style-type: none"> <li>Hairdressing</li> <li>Beauty Therapy</li> <li>Confectioner/Pastry Cook</li> <li>Cooking</li> <li>Restaurant Service</li> <li>Health &amp; Social Care</li> </ul>	<b>Green TVET &amp; Sustainable Development</b> <ul style="list-style-type: none"> <li><b>Water Technology</b></li> <li><b>Electromobility</b></li> <li><b>Renewable Energies (Solar, Wind)</b></li> </ul> <p><b>NEW FOCUS in Leipzig 2013)</b></p>

An ongoing process – greening the house of competitions

- Elaborated by the huge network of WorldSkills Experts around the globe
- Benchmarking Plattform of industry relevance and demand

Member of

## WATER - A PRECIOUS RESOURCE

### Challenges – Turn polluted water to clean water

- Water sector often suffers from lack of qualified labor & supplies
- → negative for environment, health and economic progress.
- Despite large-scale investments many countries face a lack in operation and maintenance of plants
- Shortage of qualified manpower result to low water quality and an inadequate water supply and treatment.
- Leipzig 2013 – 1<sup>st</sup> skill presentation – Hall 1 – approx 10 teams



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## Further future WorldSkills disciplines

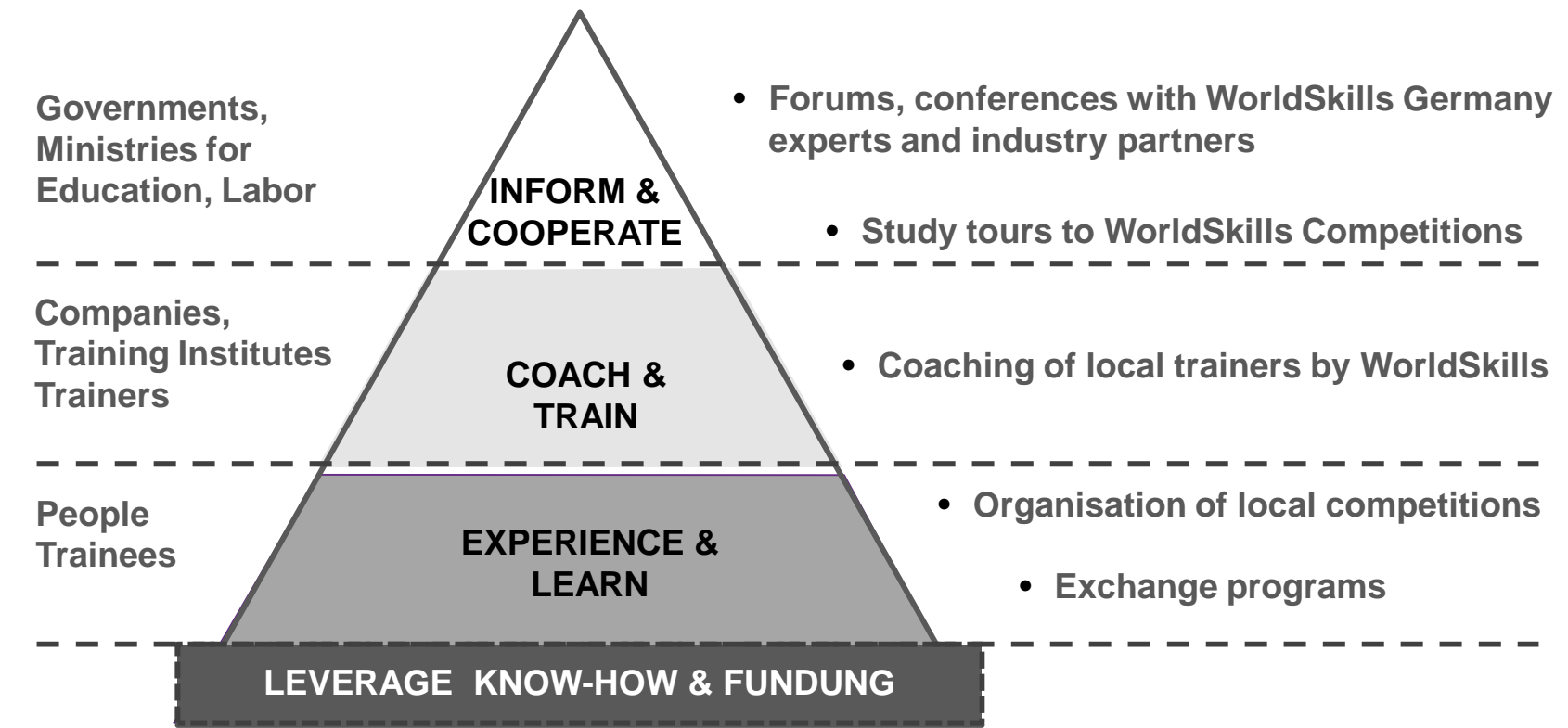
# ELECTROMOBILITY & RENEWABLE ENGERIES

- Set-up of German National Plattform for Electromobility 2012
- Goal 2020 – key provider for electromobility
- Energiewende – realisation of sustainable energy supply with renewable energies (Wind, Bioenergie, Solar)
- → Consequently training disciplines and trades need to be adapted
- Leipzig 2013 - WorldSkills show discipline  
→ road map for Sao Paulo, Brasil 2015 is available



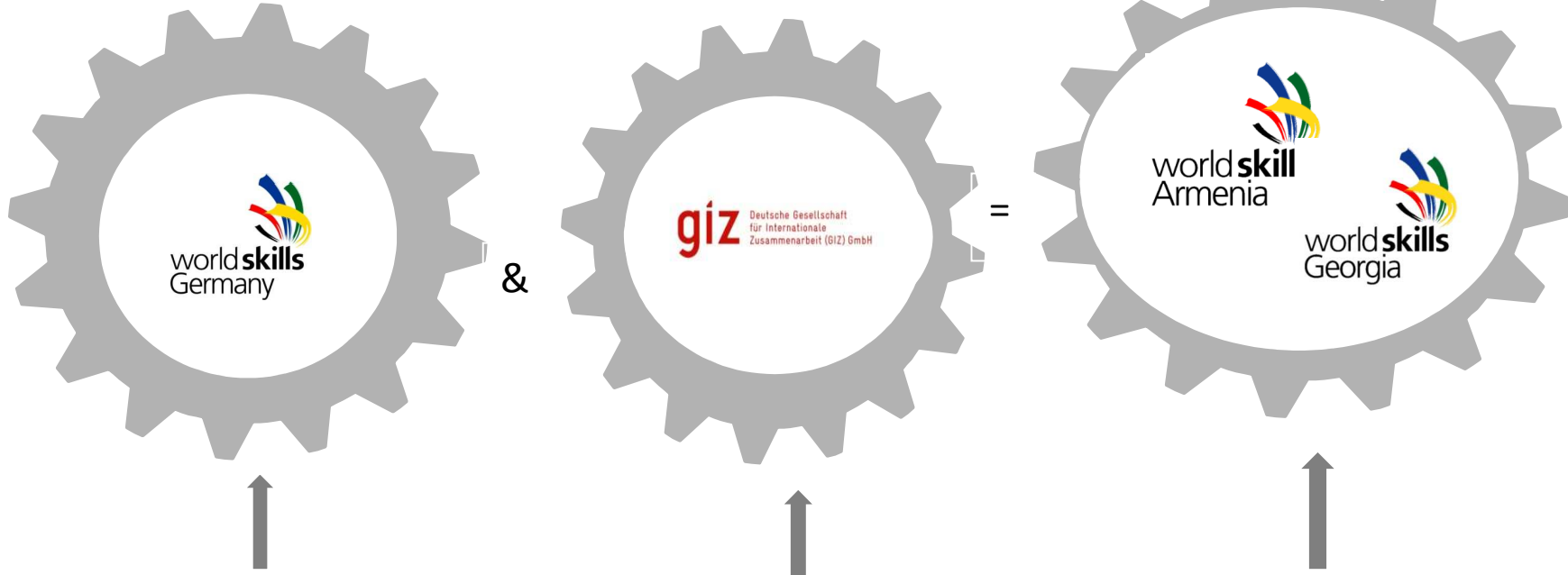


# WorldSkills Germany ready to share partnership and cooperation



## Partnership and Cooperation

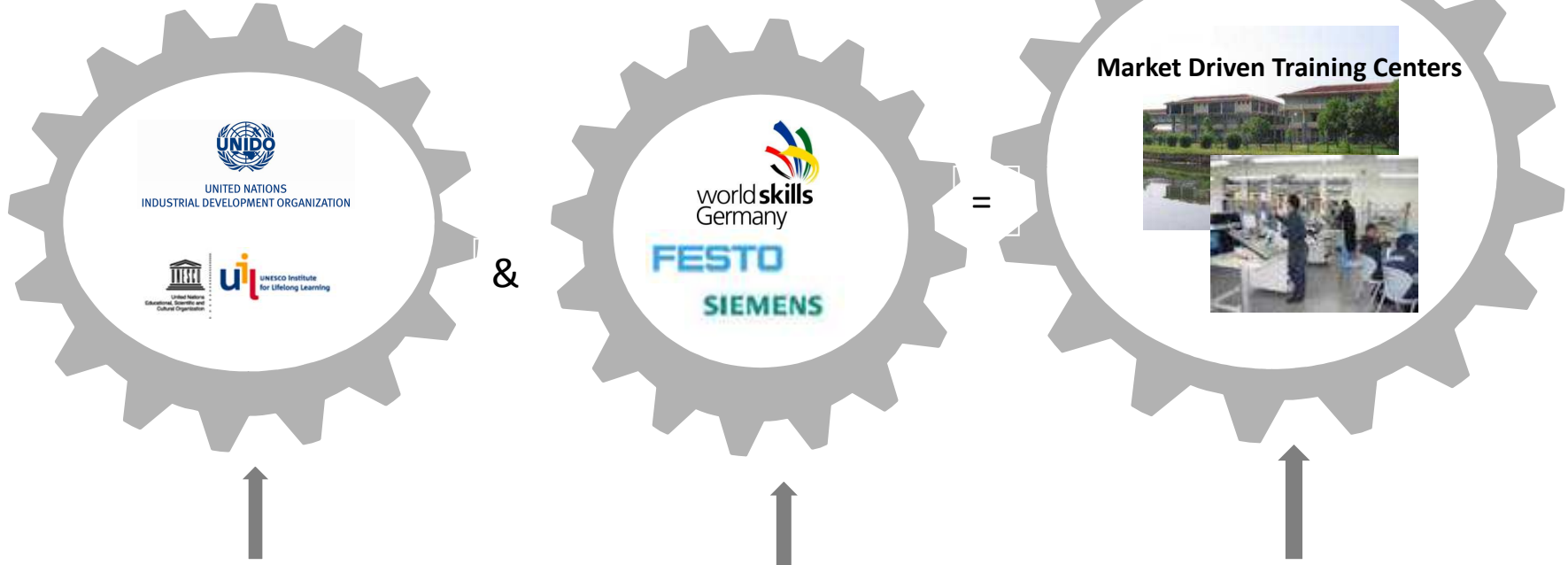
### Best practice examples with GIZ Germany



Skills competitions and partnership as contribution to labor market development

## Partnership and cooperation

### Best practice examples with UNIDO or UNESCO



**Skills Development + Industrial Development = Economic Success & Growth**

## WE INVITE YOU TO SHARE OUR EXPERIENCES

- **July 4, July 5, July 6 – side meetings at 3 p.m. (1 hours consultation)**  
“How to set-up a national WorldSkills organisation with the dual training approach and industry involvement; best practice examples, including green VET skills
- **July 4, 9 am – 3 pm – Conference ”Specialist in Water Technology - The Hidden Champions?“** - UN WATER, DWA, UNESCO-UNEVOC, BIBB, WorldSkills Germany
- **July 5, 11. – 11.45 GIZ** – WorldSkills Germany – Seminar in Global Skills Market Place (GSMP) - Enhancing the attractiveness of VET by means of Skills Competitions.
- **July 3 – 6, – WorldSkills Germany & Partner Green VET –**  
Hall 1 & open air fair ground

## THANK YOU!

Elfi Klumpp, email: [klumpp@worldskillsgermany.com](mailto:klumpp@worldskillsgermany.com)  
[www.worldskills.org](http://www.worldskills.org), [www.worldskillsgermany.com](http://www.worldskillsgermany.com)