

Promoting TVET and green skills for a Just Transition in South Africa

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BMZ-UNEVOC Dialogue Forum

**Green Skills for a Just Transition:
What Do We Need?**

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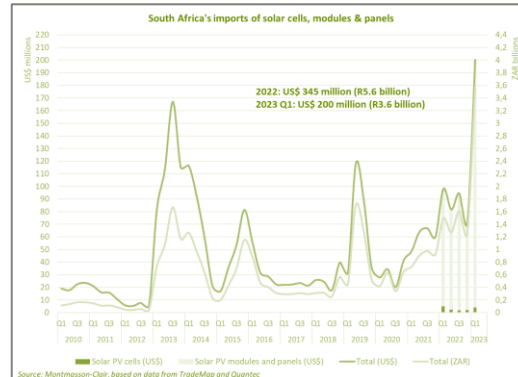
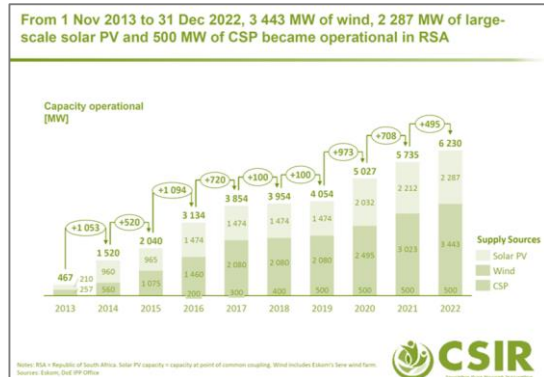
South Africa's Transition towards a Green Economy

South Africa is facing **two** major challenges:

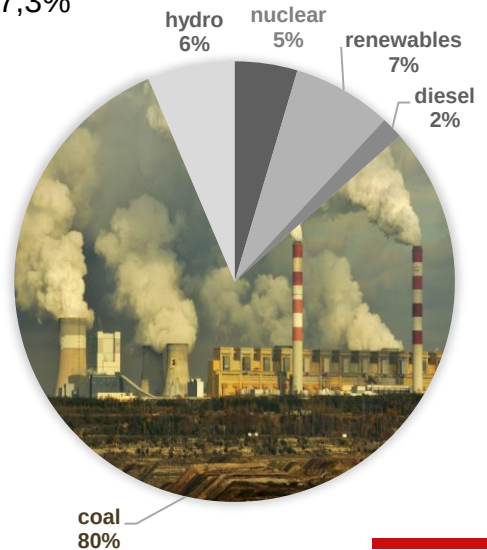
An **Economic recession** with dramatic high unemployment rates (32,6%), especially amongst youth (25-34 years old: 39,8%, 15-24 years old: 60,7%) and female (35,7%) vs. male (30%)

Energy Crisis & Transition: from an energy crisis (6 GW shortfall/ 10% leading to loadshedding on 200 days in 2022) and mainly coal fired power generation (80,1% coal, 7,3% renewables) to an increasingly decarbonised economy

Although the expansion of renewables will take time the South African solar-pv market is responding to the increased demand as statistics from CSIR and TIPS show:



SA electricity mix 2022
(according to CSIR 2023)



Supporting the Just Transition

Interlinked complex challenges – How can a JUST transition be supported?

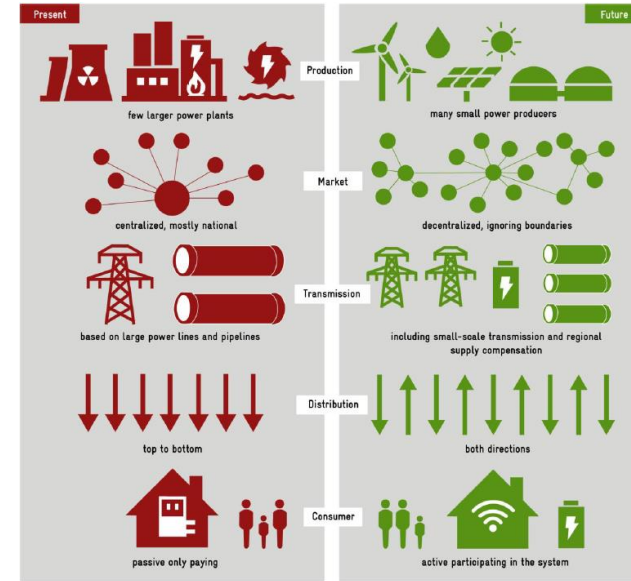
2021 a **Just Energy Transition Partnership (JETP)** was entered between Germany, France, GB, USA and European Union and South Africa (8,5 US\$) to support a just and inclusive transition towards a decarbonised economy.

TVET and skills development play a central role in the JUST part of the transition.

Support to TVET should be embedded within a **holistic approach** for sustainable employment effects – to respond to the interlinked challenges:

The **significant impacts for employment and emerging demands in the job market** must be considered & employment opportunities unlocked by

- supporting conducive framework conditions & innovation
 - adjusting the TVET delivery system on relevant sectors and skills in demand
 - stimulating the demand side
 - matching in the labour market
- **Integrated approach to employment promotion**



The SA electricity supply will be transformed, by 2030, wind and solar PV shall represent around 40% of total installed generation capacity.
(Source: GIZ SAGEN CET 2023)

Example: Career Path Development for Employment (CPD4E) Project

Project Objective

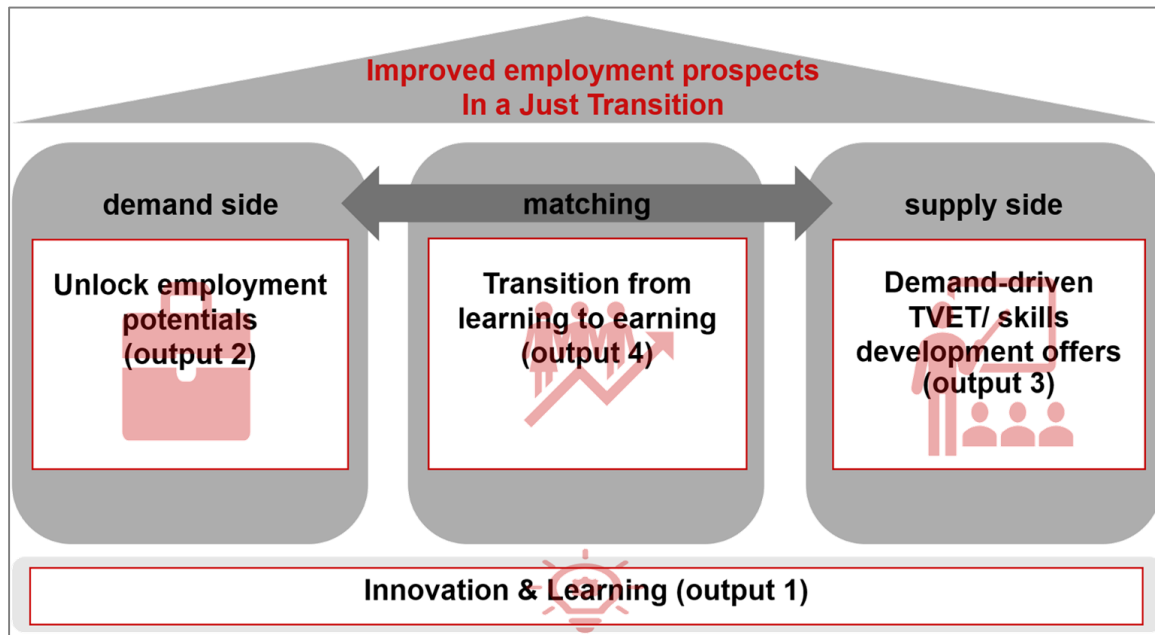
Improve employment prospects of young South Africans in a sustainable and increasingly decarbonised economy, Just Transition.

Political partner: Department of Higher Education and Training

4 years, EUR 17 Mio, co-financed by SECO



Supporting skills development and employment promotion for a just transition through an integrated approach:

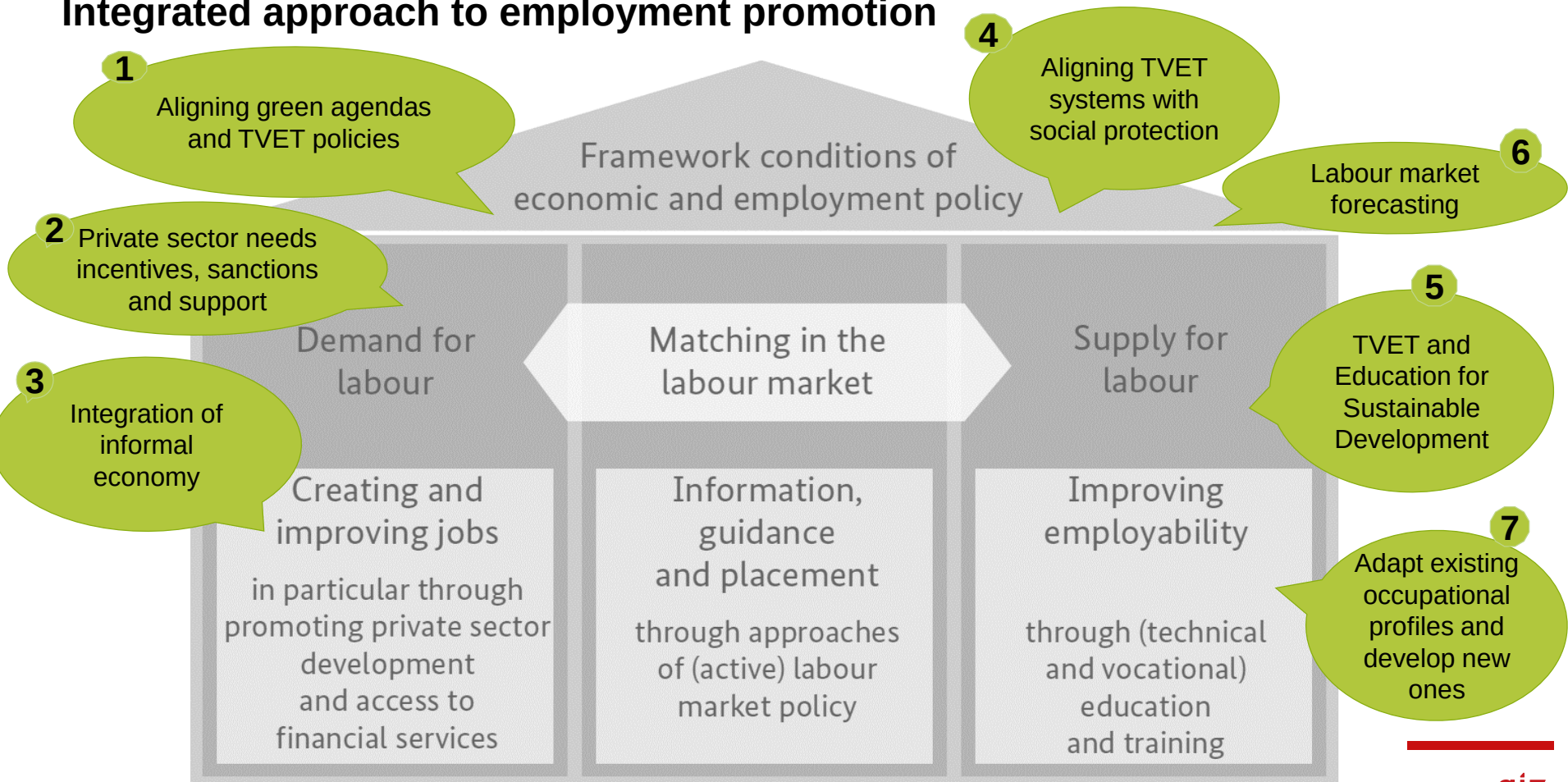


Reflection on Discussion paper „Skills for a Just Transition to a Green Future“

- Formulation of a South-African perspective by Gerda Magnus and Kirsten Freimann.
- Explores the implications for TVET in creating a workforce that will be able to address not only the labour market needs for the Green Economy, but also the socio-economic dimensions of this transformation process.
- Example of the CPD4E project illustrates how the integrated approach to employment promotion connected to Just Transition can serve as a guiding principle.
- Paper was presented at the international research conference on Skills for a Just Transition at the University of Witwatersrand, Johannesburg, on 12 May 2023.



Integrated approach to employment promotion



Examples of CPD4E interventions

Labour market analysis & forecasting, research and social dialogue to develop tailor-made re-skilling programs for affected workers in mining communities (ILO).



TVET lecturer training on renewable energy technology. "Greening" of curricula, development of solar technician qualification and solar PV learning program.



Small Micro and Medium-sized (SMME) companies and entrepreneurs are being supported in JT-relevant sectors to unlock income opportunities while hubs located at TVET colleges close to industrial zones support the development of an entrepreneurial ecosystem (NBI).



Unemployed youths are trained as energy performance practitioners. Through mentored working on real-life assignments and the combination with work placements, the learners acquire skills in high demand in the labour market which are very relevant for a decarbonising economy (IEPA).



Framework conditions of economic and employment policy

Demand for labour

Matching in the labour market

Supply for labour

Creating and improving jobs

in particular through promotion of private sector employment opportunities to small and medium-sized enterprises

Information, guidance and placement

through approach of (active) labour market policy

Improving employability



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