

Understanding and managing employment and social effects of an energy transition

Marek Harsdorff

International Labour Organization

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What is the scale and quality of the transition?

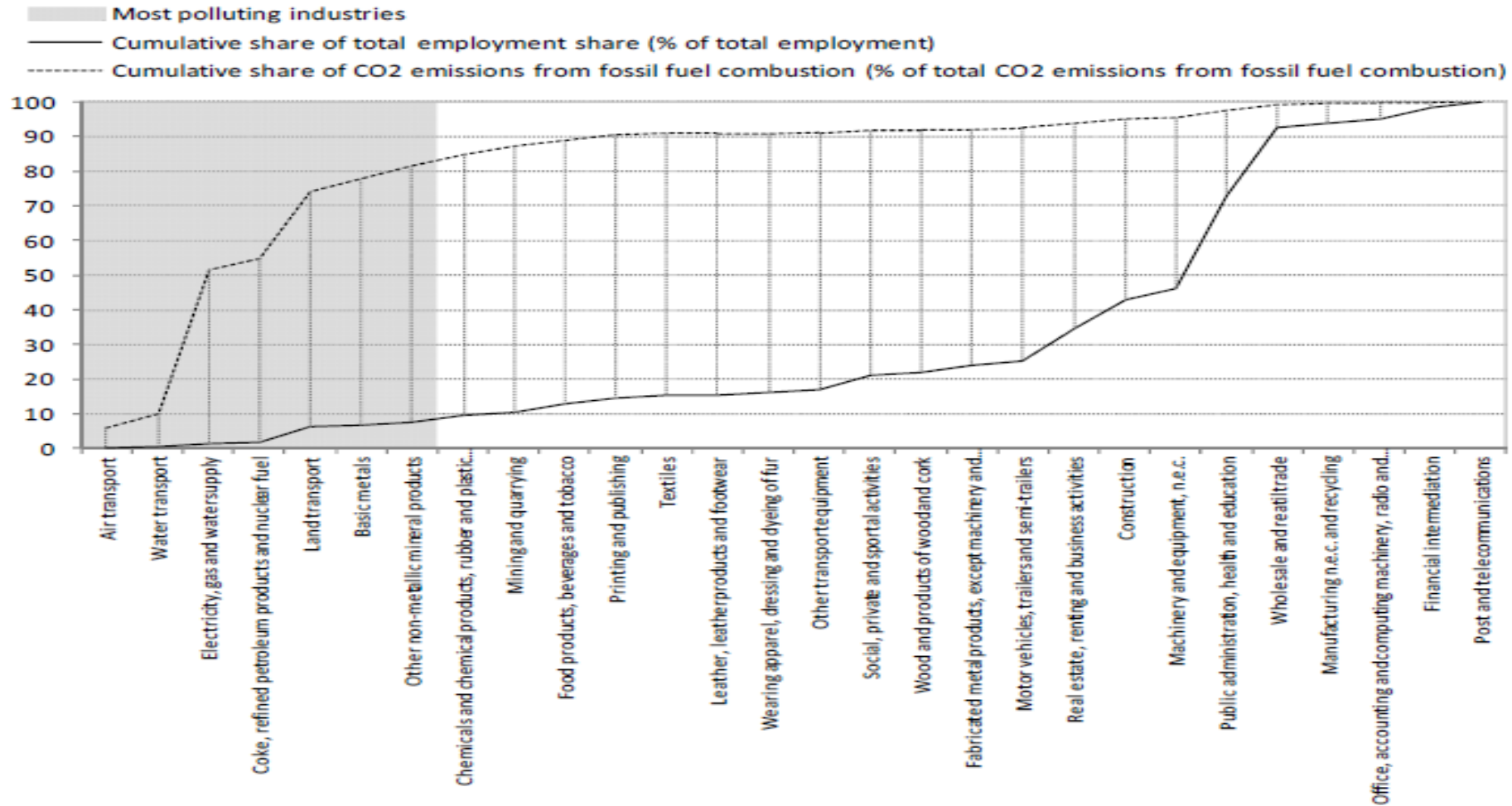
Structure and social fabric of renewable industries is different from conventional

- E.g. Coal to Solar:
 - Total direct employment?
 - Indirect jobs?
 - Quality of jobs?
 - Skills & Occupations?
 - Demographic profile? Gender?
 - Workers' organizations?
 - Value chains & trade?
 - Enterprises?
 - Geographic location?
 - Retraining?
 - Social Protection?



Understanding the magnitude first!

Unweighted average across 27 OECD countries, 2004



a) Most polluting industries: Air transport; Water transport; Electricity, gas and water supply; Coke, refined petroleum products and

Example: Mexico US\$8.6 bn invest: Job gain&loss?

8 most affected Subsectors (selected out of 86)	Employment	Output (1,000 peso)	Output multiplier (per 1m peso)	Employment Multiplier (per 1m peso)
Agriculture	5,100,460	244,020,699	1.25	22
Organic Agriculture	290,026	5,266,653	1.26	57
Forestry	123,178	22,185,749	1.20	6
Livestock y fisheries	1,555,795	110,832,285	1.75	19
Extraction of oil and gas	354,558	1,038,839,692	1.23	1
Conventional electric energy	64,441	106,230,778	2.19	(22,360) 2.6
Renewable electric energy	67,071	69,983,023	1.84	(+24,080) = +1720 2.8
Water and gas	139,951	22,986,995	1.57	8
Construction	5,212,546	804,604,071	1.67	9
Sustainable construction	572,496	60,561,597	1.67	12
Manufacturing (food & textile)	1,845,010	627,446,259	1.74	8
Green Manufact. (food&textile)	138,872	26,143,594	1.74	10
Manufacturing (raw materials)	935,913	271,529,729	1.58	5
Green Manufact. (raw material)	70,445	11,313,739	1.57	8
Manufact. petroleum/coal	66,732	129,538,130	1.97	1
Chemical Industry	240,987	181,294,044	1.81	3
Manufacturing (equipment)	1,885,374	730,689,547	1.33	4
Green Manufact. (equipment)	141,910	30,445,398	1.33	6
Commerce	9,389,055	2,001,147,745	1.36	6
Transportation	1,560,233	531,221,505	1.52	4
Public Transport	953,573	291,778,132	1.46	4
Waste management	11,928	3,395,351	1.73	5
Education	2,058,941	554,208,187	1.14	4
Sustainable Tourism	4,422	2,224,985	1.48	3
TOTAL (all sectors)	44,151,091	11,863,314,346	11,863,314,346	



ILO's role and mandate in the energy transition

Just Transition Guidelines 2015

- policy framework to manage a transition to sustainable economies
- adopted by tripartism (Unions, Employers, Government)
- 9 policy areas founded on Social Dialogue



9 Just Transition policy areas

Guiding principle: Social dialogue for coherent economic and social policies i.a. eco-tax and green investment + key 4:

1. Skills for green jobs and retraining
2. Green enterprise development
3. Active labour policies (e.g info & matching)
4. Social protection (floor)



Thank you Questions?

- ILO Just Transition Guidelines
http://www.ilo.org/wcmsp5/groups/public/---ed_emp/---emp_ent/documents/publication/wcms_432859.pdf
- Global review of Social Dialogue for a Just transition
http://www.ilo.org/wcmsp5/groups/public/---ed_emp/---emp_ent/documents/publication/wcms_176786.pdf
- ILO Green Jobs Programme
www.ilo.org/greenjobs

