

The background of the slide is a repeating pattern of teal-colored hexagons. The hexagons are arranged in a staggered grid, with each hexagon slightly offset from the others, creating a 3D effect. The colors range from a light, pale teal to a darker, more saturated teal.

*What are green skills?
Making sense of the green economy*

WorldSkills Conference 2019

UNESCO-UNEVOC 5 Dimensions of Greening TVET

GREEN Campus	GREEN Curriculum	GREEN Community	GREEN Research	GREEN Culture
Managing Campus	Integrating ESD in Curriculum	Adapting Community	Fostering Research	Promoting culture
<ul style="list-style-type: none"> • Energy management • Water management • Waste management • Pollution management 	<ul style="list-style-type: none"> • Green technology • Clean technology • Green jobs • Greening existing jobs 	<ul style="list-style-type: none"> • Capacity Building • Renewable technology • Resource support • Unique practices 	<ul style="list-style-type: none"> • Renewable energy • Water treatment • Green innovations • Waste recycling 	<ul style="list-style-type: none"> • Green values • Green attitude • Green ethics • Green practices

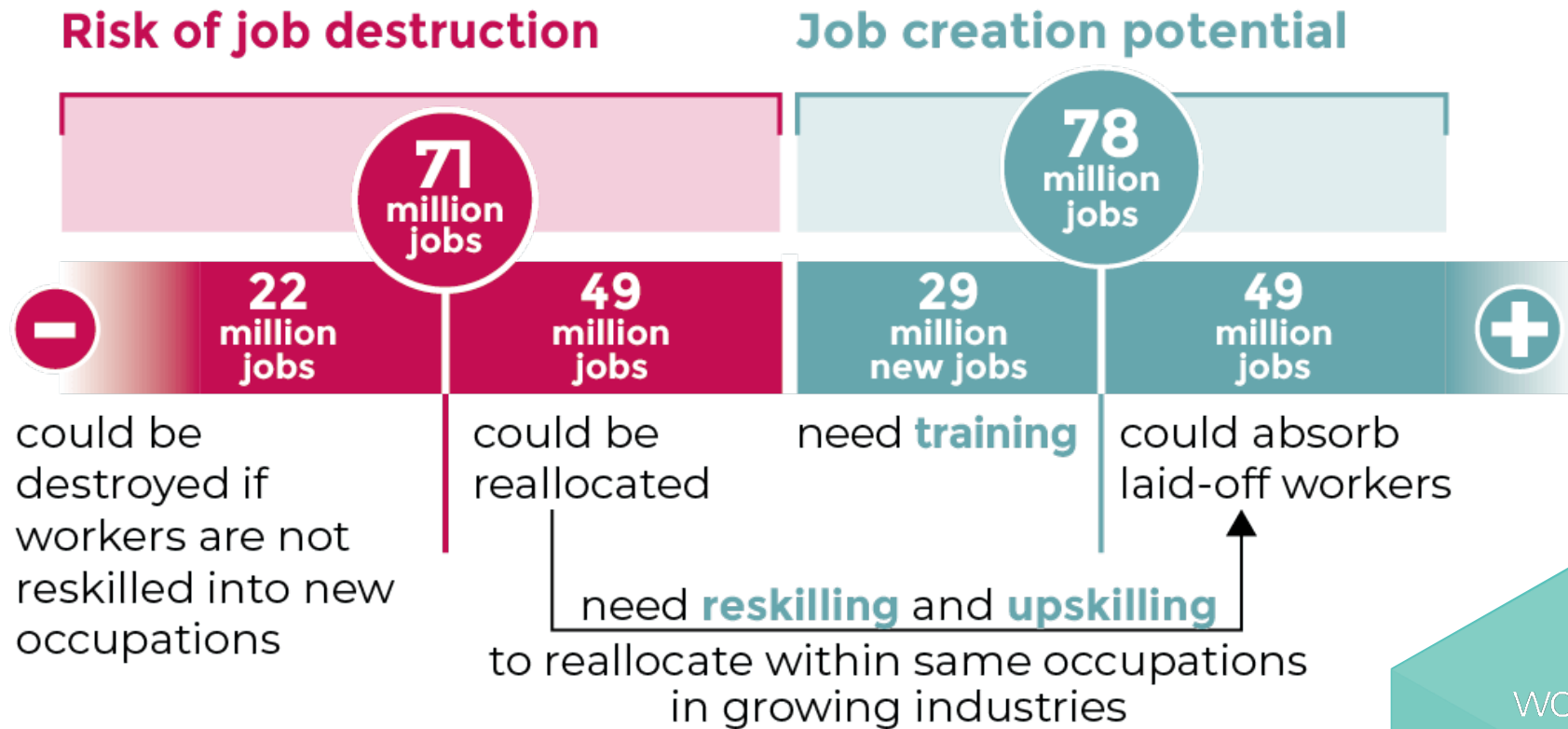


Green jobs are decent jobs that:

- Contribute to preserving or restoring the environment**
- Reduce consumption of energy and raw materials**
- Limit greenhouse gas emissions**
- Minimize waste and pollution**
- Protect and restore ecosystems**
- Contribute to adapting to climate change**

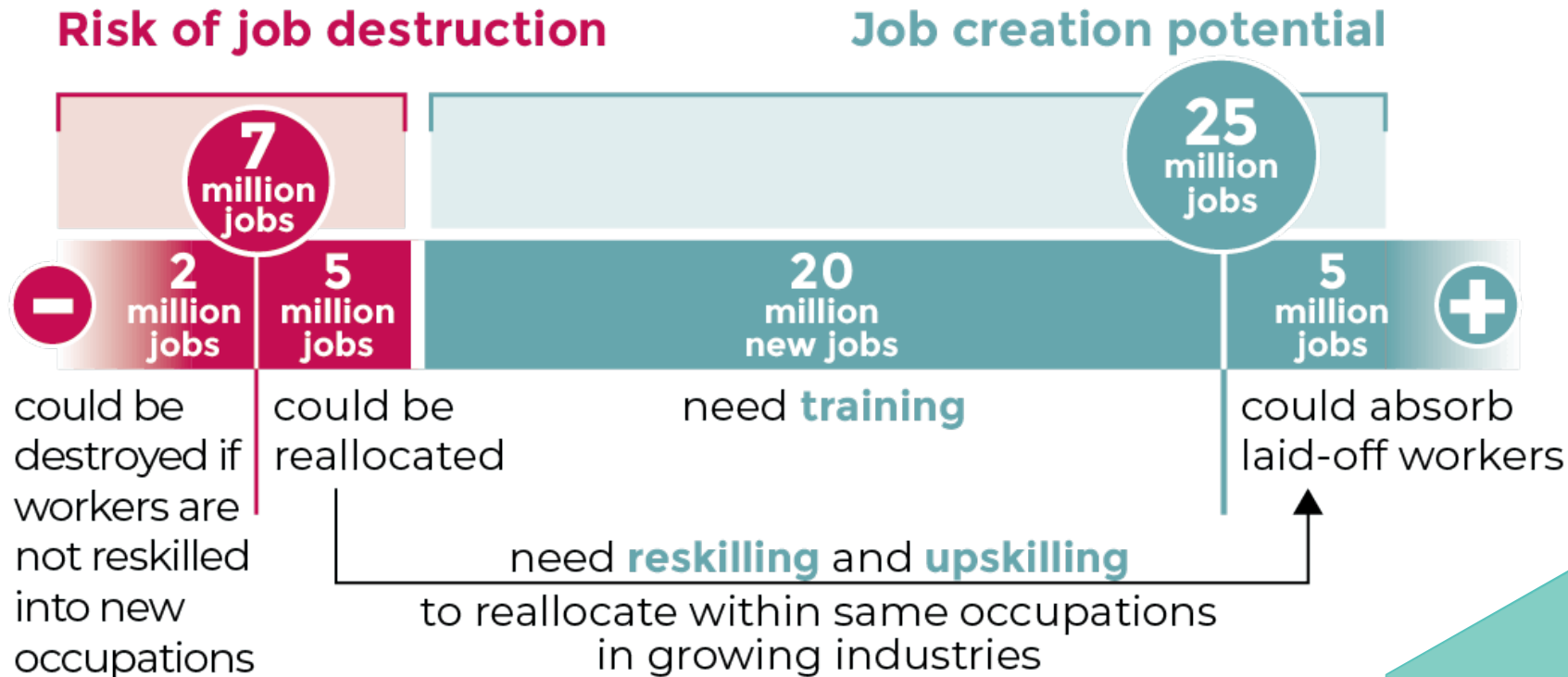
Circular economy scenario, 2030 (jobs in millions)

Potential job growth

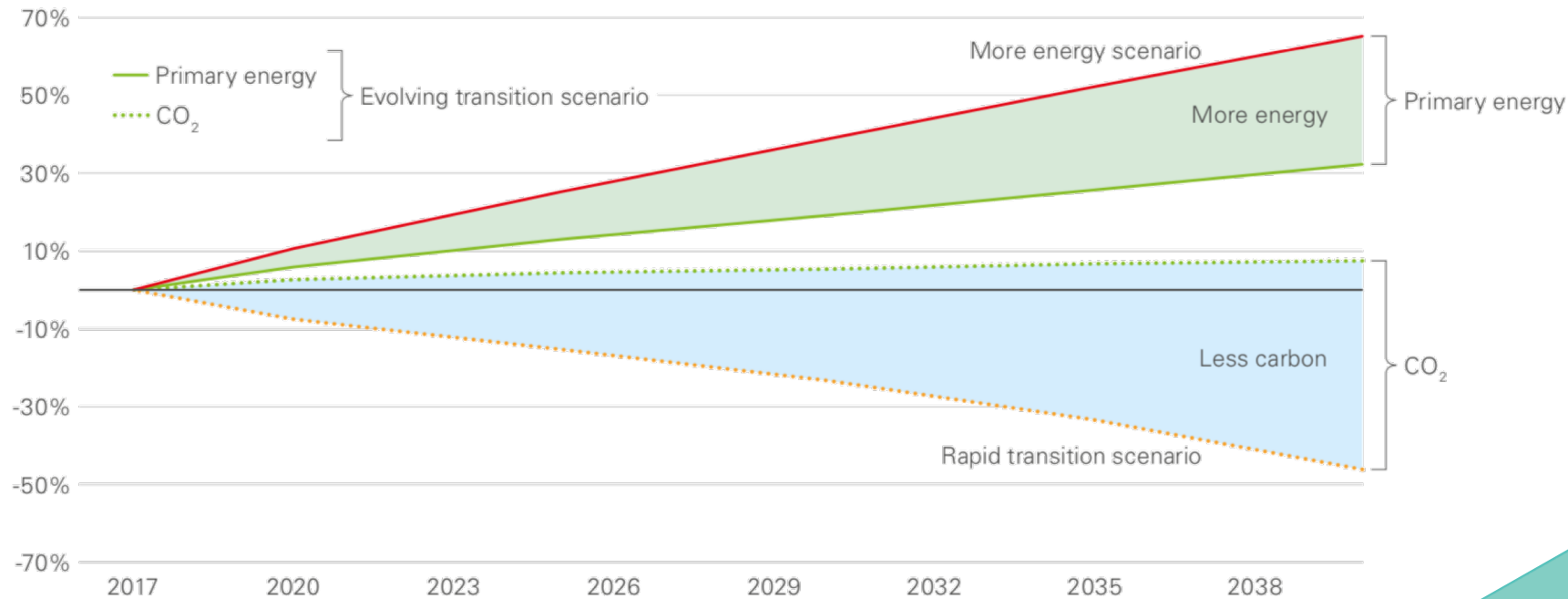


Energy transition scenario, 2030 (jobs in millions)

Potential job growth



The global energy system faces a dual challenge: the need for 'more energy and less carbon'



Primary energy demand and carbon emissions
Cumulative growth rate, 2017= 0%



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Reskilling, Upskilling and Cross-skilling: an urgent need



**2 out of 5 employees
in the OECD countries
are affected by skills
mismatch**



Source: BCG Research for WorldSkills Kazan 2019



56% of the adult population have no or insufficient ICT skills



Source: OECD 2016 Policy brief: Skills for the Future of Work



**It now takes the Earth
1 year and 8 months
to regenerate what
we use in a year**



Source: Global Footprint Network: Ecological Footprint. 2019

Humankind consumes more resources than the Earth can produce in a year



**Earth Overshoot day,
fell on July 29 in 2019**



Source: Global Footprint Network: Earth Overshoot Day. 2019

The renewable energy industry: a fast-growing sector



There were **3 million jobs** in the renewable energy industry in 2017, a **4.5 increase** since **2012**



Source: IRENA Renewable Energy and Jobs, 2018 Annual Report



Greening jobs is profitable



**Over 60% of enterprises
pay back their investment
in green products,
services and processes
in less than 3 years**



Source: ILO: World Employment Social Outlook 2018: Greening with jobs

