



PRESIDENTIAL PANEL

The banner for the IV ISA Forum of Sociology Virtual event features a central graphic of four stylized human figures in various colors (pink, black, grey, orange) standing in front of large, overlapping circles in shades of blue and orange. The text "IV ISA Forum of Sociology" is at the top in orange, with "Virtual" in a blue script font below it. The location and dates "Porto Alegre, Brazil • February 23-28, 2021" are in blue. The theme "Challenges of the 21st Century: Democracy, Environment, Inequalities, Intersectionality" is written in orange. At the bottom, the website "www.isa-sociology.org" is in blue, and the logos for the International Sociological Association (ISA) and the Sociedade Brasileira de Sociologia are on the right.

IV ISA Forum of Sociology
Virtual Porto Alegre, Brazil • February 23-28, 2021

Challenges of the 21st Century: Democracy, Environment, Inequalities, Intersectionality

www.isa-sociology.org

ISA International Sociological Association

SOCIEDADE BRASILEIRA DE SOCIOLOGIA

Youth Sociology: Silences, Opportunities and Future Possibilities

The Sociology of Youth has a number of silences. Amongst these are the effects of race, class, gender, (sub)culture and geography on issues such as **youth activism for climate change**, the ways in which young people experience **mental health challenges**, and **the changing nature of youth livelihoods** in the face of accelerating technological innovations (or the so-called fourth industrial revolution).

The Young Anthropocene: Silence and Fire

Kate TILLECZEK, York University, Canada

Seeking Hope and Joy in Youth Climate Action: Examining Verbatim Theatre in Ethnographic Research Collaborations with Toronto Youth on the Climate Crisis

Kathleen GALLAGHER, Christine BALT, Nancy CARDWELL and Lindsay VALVE, Ontario Institute for Studies in Education, University of Toronto, Canada

The Glass/Grass Ceiling: Young Women Graduates, Leadership and the Covid Crisis

Alude MAHALI, Human Sciences Research Council, South Africa

New Value Imaginaries for Young People and the Future of Work

Sharlene SWARTZ, HSRC/University of Fort Hare, South Africa

**PRESIDENTIAL
PANEL
Youth
Sociology:
Silences,
Opportunities
and Future
Possibilities**

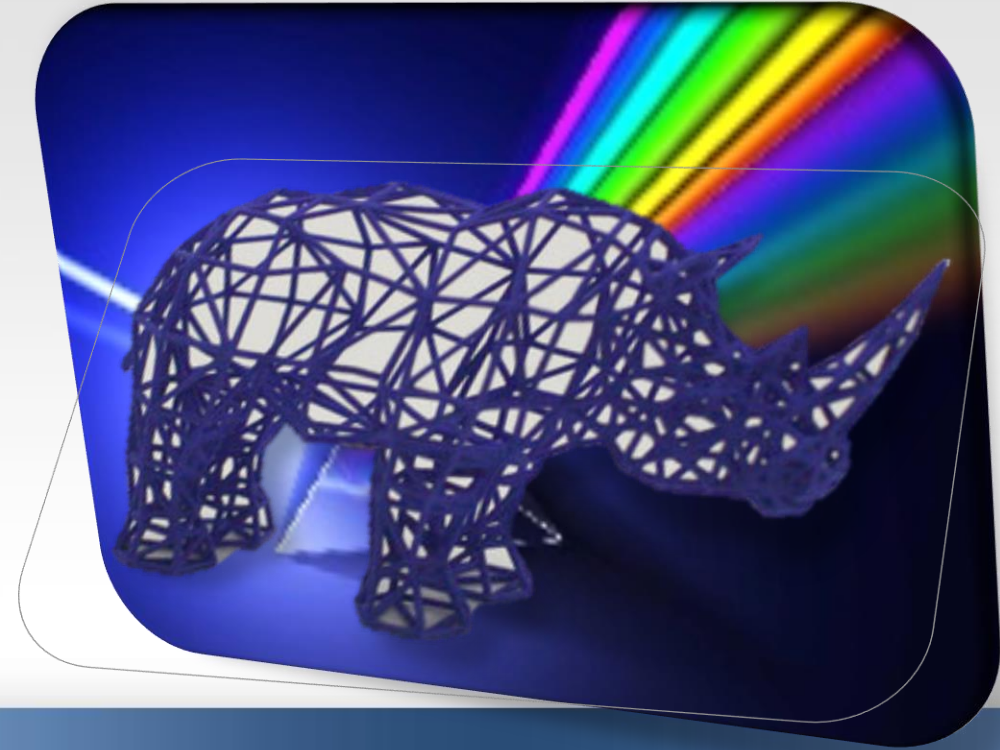


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Challenges
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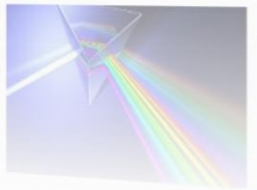


New value imaginaries for young people and/in the future of work

Sharlene Swartz | 23 February 2020

How do young people imagine their lives in the future? How is their **view of work shaped by the place they occupy in hierarchies of domination** perpetuated by race, class, gender and geography? What role for youth sociologists in **disrupting the conventional narrative** of inevitable precarity, alienation and exclusion, especially in the forthcoming/already here tech age?

How do we move beyond (STEM) skills, hierarchies of value and entrepreneurial veneration to provoke (1) **new work imaginaries**; (2) **new education imaginaries**; and (3) **new value imaginaries** that bring into focus the unsustainable relationship between profit, growth and dystopian futures.

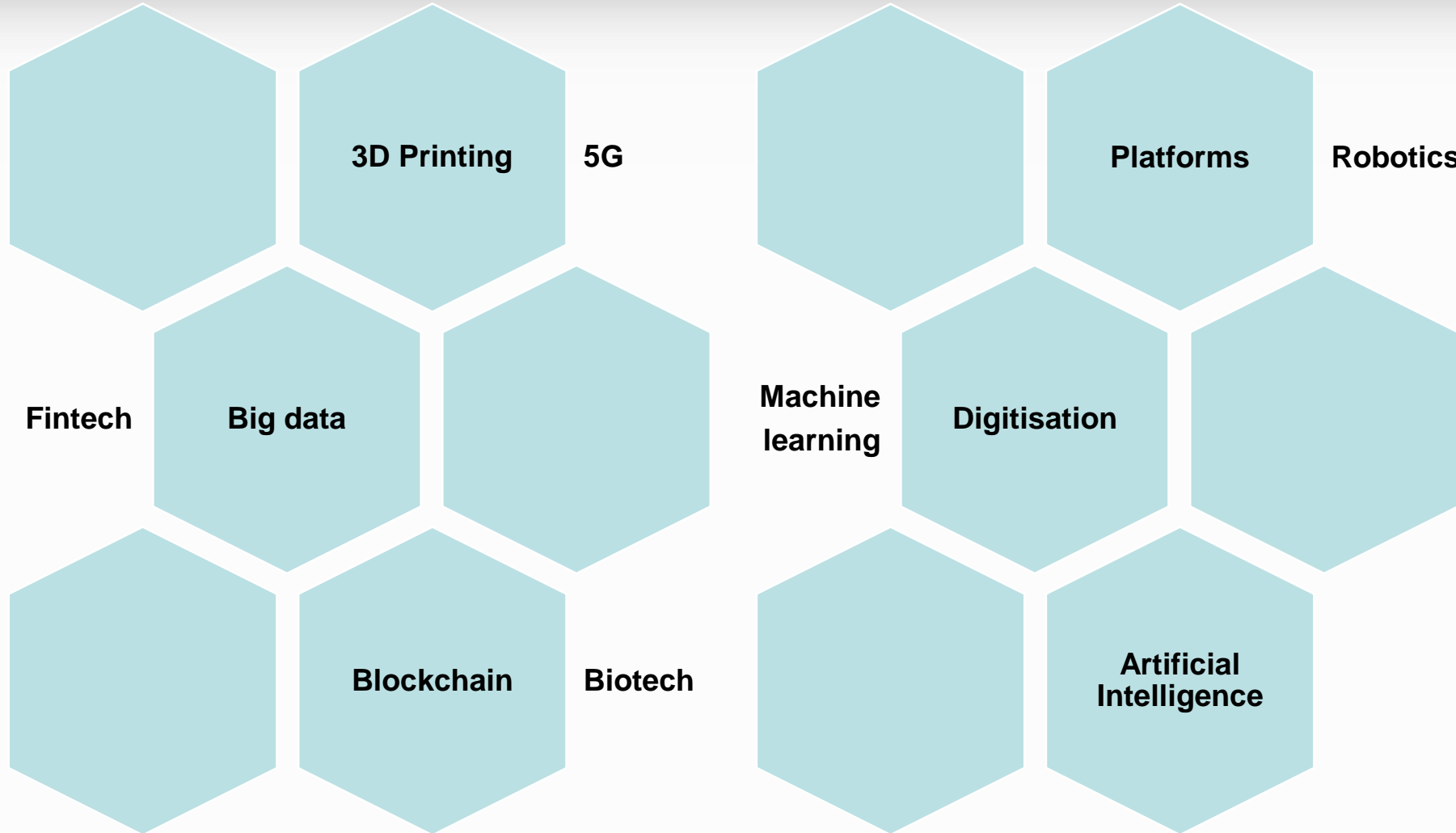


Why this discussion?

1. Youth unemployment (12-60%)
2. Youth views about work (“big jobs”)
3. The changing nature of work (“precarity”)
4. The revolution in tech (4IR is coming)
5. The changing nature of education
6. Universities v. TVETs (40%)
7. Focus on entrepreneurship (2% succeed)
8. Focus on STEM skills (1 in 3)
9. Lessons from our current CoVid crisis



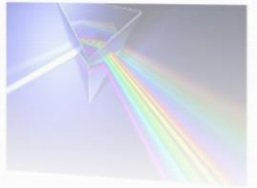
The revolution in technology



“The new economy must be founded on fairness, empowerment, justice and equality. It must use every resource, every capability and every innovation we have in the service of people.”

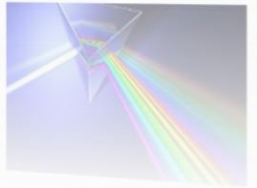
Cyril Ramaphosa
President of South Africa,
21 April 2020

1. The difference between essential work & pointless(?) work
2. The role of the state in people's lives and livelihoods
3. Some jobs/economic activities are not coming back post-CoVid
4. Inequality will destroy us all
5. We don't need as much – planet, climate, consumption
6. Localized production is critical
7. Informal trading is the lifeblood for many



What are the big ideas?

1. Re-characterise jobs into a range of colour-coded (refracted) economies/sectors in order to
 - See where new jobs are emerging
 - Where jobs are likely to disappear
 - To give work new forms of esteem
2. Use a range a continua to characterise kinds of jobs
3. Differentiate between jobs, livelihoods, careers, work, employment, with a focus on change over time
4. Map out the implications for schools, TVETS, universities, young people, and those who support them



CLASSIFYING THE ECONOMY



1^o Extraction

2^o Production/Manufacturing

3^o Services

**SOCIOLOGICAL
STAPLE**

**FISHER (1935, 1939, 1946)
CLARK (1940)
FOURASTIÉ, JEAN (1949)**

REFRACTED ECONOMIES



Re-Classifying/colour-coding work by purpose (1)

- **Orange:** To provide creative, cultural and leisure products and services
- **Blue:** To utilise water resources for economic growth
- **Green:** To enable the clean energy resources, to conserve the environment
- **Yellow:** To provide and conserve public goods, education, human rights and community support
- **Lavender:** To provide care and help

- **Bronze:** To produce and supply raw materials (food and minerals) and related manufactured products (agriculture and mining)
- **Teal:** To plan, design and maintain infrastructure—construction, technicians
- **Silver:** To produce and supply of physical goods
- **Gold:** To manage finance and assets
- **Platinum:** To innovate to ensure other work is more effective and efficient
- **Red:** To circumvent the law in order to make money
- **Invisible:** Unrecognised work

REFRACTED ECONOMIES

Orange (Creative, Cultural, Leisure)

Blue (Water resources for economic growth)

Green (Energy, Environmental conservation)

Yellow (Public service, Community support)

Lavender (Caring, Helping)

Bronze (Agriculture, Extracting)

Silver (Production, Distribution, Consumption)

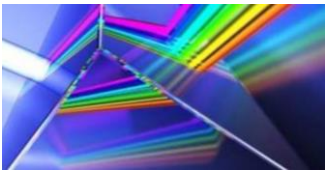
Teal (Construction, Transport)

Gold (Finance, Assets)

Platinum (Tech/X-tech)

Red (Criminal)

Invisible (Unrecognised)



A RANGE OF CHARACTERISTICS ON A CONTINUUM

- SKILLED ----- UNSKILLED
- ENTREPRENEURIAL (INNOVATE) ----- BUSINESS AS USUAL (IMITATE)
- FORMAL ----- INFORMAL
- KNOWLEDGE ----- PHYSICAL
- PRIVATE ----- PUBLIC
- PROFESSIONAL ----- ARTISAN
- INDIVIDUAL ----- COLLECTIVE
- PERMANENT ----- GIG
- NEW ----- TRADITIONAL
- SUSTAINABLE ----- FINITE
- LOW ----- CREATIVE ----- HIGH
- LOW ----- COMPLIANT ----- HIGH
- LOW ----- RESPECTED BY COMMUNITY ----- HIGH
- LOW ----- BENEFITS OTHERS ----- HIGH
- LOW ----- OPPORTUNITIES FOR GROWTH ----- HIGH
- LOW ----- FAIR TREATMENT ----- HIGH
- LOW ----- FAIR INCOME ----- HIGH

NOT JUST HOW DOES TECH AFFECT JOBS...

Orange (Creative, Cultural, Leisure)

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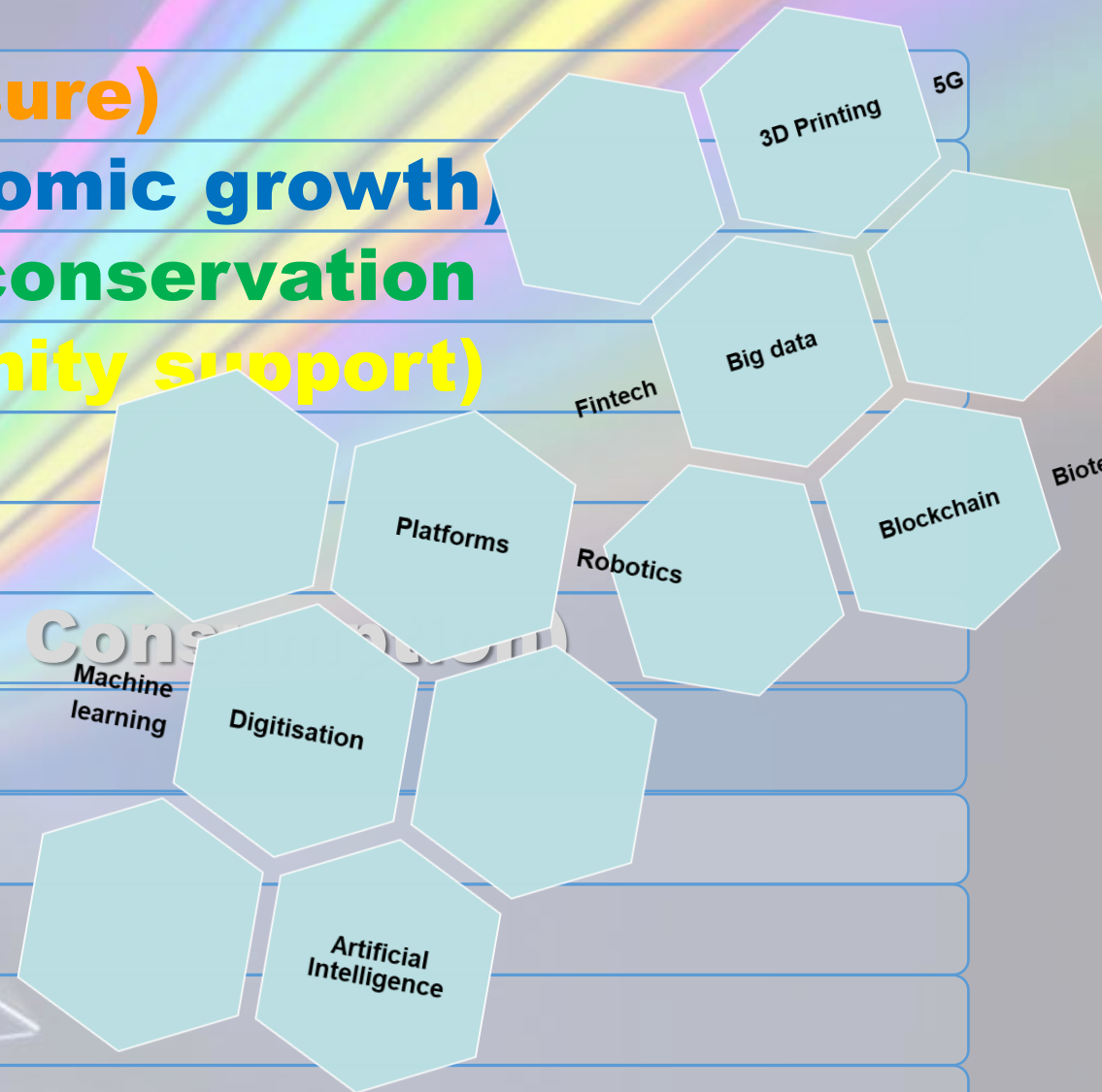
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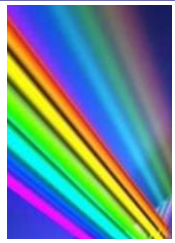
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Platinum (Tech/X-tech)

Red (Criminal)

Invisible (Unrecognised)





Colour Coded Economies



- Orange
- Green
- Blue
- Lavender
- Yellow
- Bronze
- Silver
- Teal
- Gold
- Platinum
- Red
- Invisible

Characteristics

Skilled/Unskilled	Entrepreneurial/ Business as Usual	Formal/Informal	Knowledge/Physical	Private/Public	Professional/Artisan	Individual/Collective	Permanent/Gig	New/Traditional	Sustainable/Finite	Creative	Compliant	Decent & Dignified
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Technologies

Platforms	Robotics	Artificial Intelligence	3D Printing	Big data
Blockchain	Cloud Computing	Biometrics	Internet of Things	Virtual Reality
Etc.				

Orange – to provide creative, cultural and leisure products and services

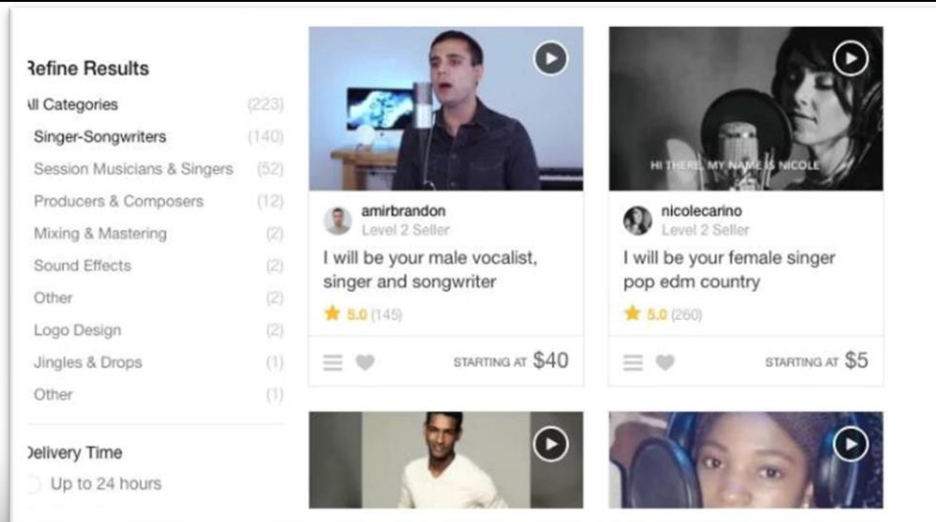
	Entry-Level	Intermediate	Senior (Advanced Skills)
Creative		Photographers and image and sound recording equipment operators	Film, stage and related actors and directors
		Photographic and related workers	Composers, musicians and singers
		Bookbinders and related workers	Choreographers and dancers
		Silk-screen, block and textile printers	Sculptors, painters and related artists
		Glass and ceramics kiln and related machine operators	Musical instrument makers and tuners
		Glass, ceramics and related plant operators not elsewhere classified	Glass, ceramics and related decorative painters
		Photographic-products machine operators	Handicraft workers in wood and related materials
		Printing-machine operators	Handicraft workers in textile, leather and related materials
		Bookbinding-machine operators	Glass engravers and etchers
		Bookmakers and croupiers	Authors, journalists and other writers
		Weaving- and knitting-machine operators	Clowns, magicians, acrobats and related associate professionals
		Sewing-machine operators	Glass makers, cutters, grinders and finishers
		Bleaching-, dyeing- and cleaning-machine operators	Decorators and commercial designers
		Fur and leather-preparing-machine operators	Jewellery and precious-metal workers
		Compositors, typesetters and related workers	Abrasive wheel formers, potters and related workers
		Printing engravers and etchers	Stereotypers and electrotypers
Cultural	Library and filing clerks	Librarians and related information professionals	Archivists and curators
		Astrologers and related workers	
		Fortune-tellers, palmists and related workers	
Leisure	Messengers, package and luggage porters and deliverers		Production and operations department managers in restaurants and hotels
	Doorkeepers, watchpersons and related workers		General managers of restaurants and hotels
	Travel agency and related clerks	Travel attendants and travel stewards	
		Travel consultants and organisers	
		Travel guides	
	Waiters, waitresses and bartenders	Street, night-club and related musicians, singers and dancers	

Orange – to provide creative, cultural and leisure products and services

	Entry-Level	Intermediate	Senior (Advanced Skills)
Creative	<ul style="list-style-type: none"> • Assistants are invisible and not counted in ILO Framework • Can apprenticeships in vocational work help increase number of entry-level jobs? 	<ul style="list-style-type: none"> • Handicraft type work • Machine operators • Requires skills in domain areas • Repetitive work could be replaced or evolved • The role of co-bots will emerge 	<ul style="list-style-type: none"> • Handicraft type work with advanced skills and knowledge • Limited digital impact
		Photographers and image and sound recording equipment operators	Film, stage and related actors and directors
		Photographic and related workers	Composers, musicians and singers
		Bookbinders and related workers	Choreographers and dancers
		Silk-screen, block and textile printers	Sculptors, painters and related artists
		Glass and ceramics kiln and related machine operators	Musical instrument makers and tuners
		Glass, ceramics and related workers not elsewhere classified	Glass, comics and related decorative painters
		Photographic processes and related workers	Handicraft workers in wood and related materials
		Printing-machine operators	Handicraft workers in textile, leather and related materials
		Bookbinding-machine operators	Glass engravers
		Bookmakers and related workers	Authors, journalists and other writers
		Weaving- and knitted-textile-prepare-machine operators	Clowns, magicians, acrobats and related associate professionals
		Sewing-machine operators	Glass makers, cutters, grinders and finishers
		Bleaching-, dyeing- and cleaning-machine operators	Decorators and commercial designers
Fur and leather-preparing-machine operators	Jewellery and precious-metal workers		
Compositors, typesetters and related workers	Abrasive wheel formers, potters and related workers		
Printing engravers and etchers	Stereotypers and electrotypers		
Cultural	Library and filing clerks	Librarians and related information professionals	Archivists and curators
	Fortune-tellers, palmists and related workers		
Leisure	Messengers, package and luggage porters and deliverers		Production and operations department managers in restaurants and hotels
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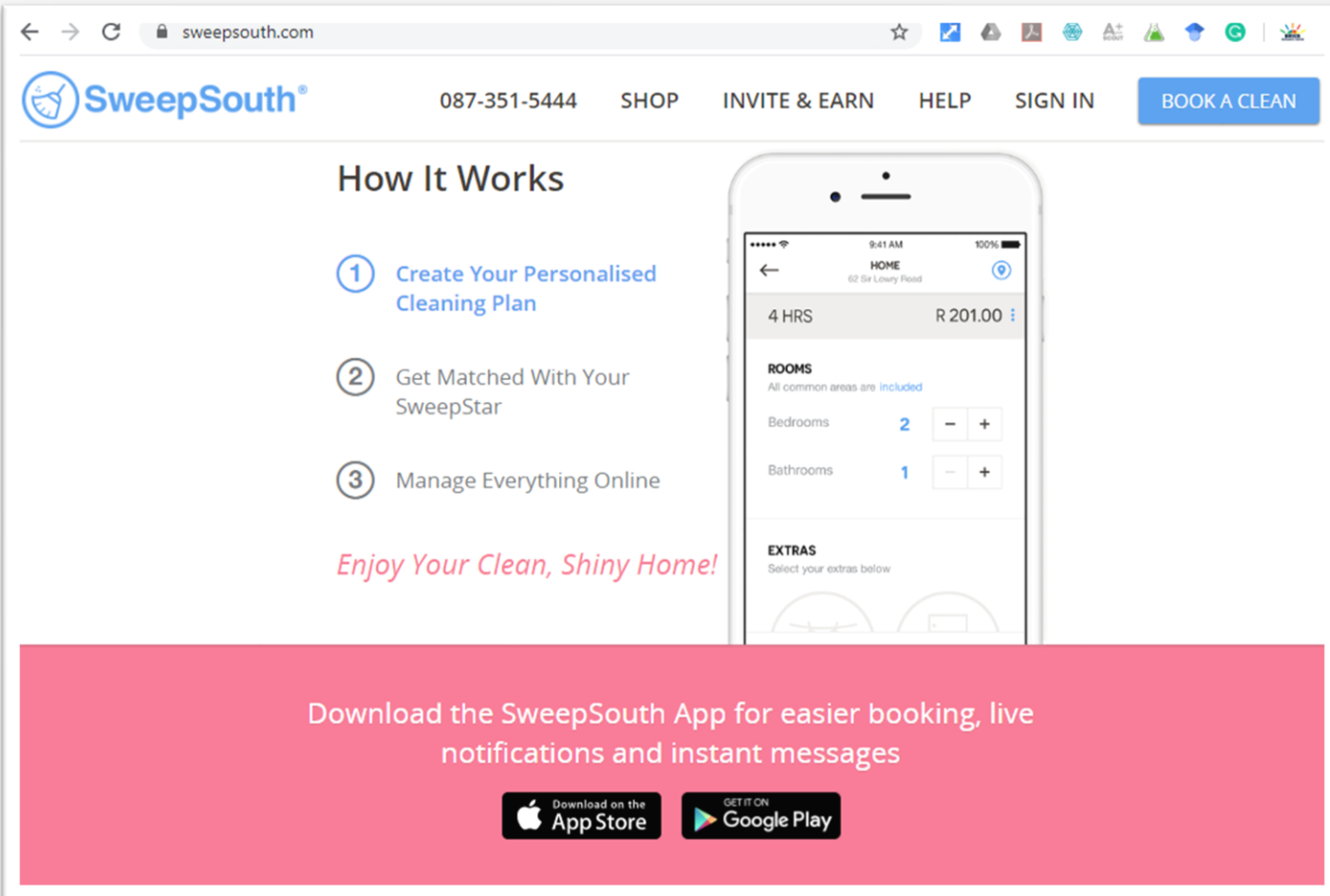
Lavender – to provide care and help

	Entry Level	Intermediate	Senior (Advanced Skills)
Helping	Housekeepers and related workers	Philologists, translators and interpreters	Production and operations department managers in personal care, cleaning and related services
	Domestic helpers and cleaners		General managers in personal care, cleaning and related services
	Helpers and cleaners in offices, hotels and other establishments	Sanitarians	
	Hand-laundurers and pressers	Shoe cleaning and other street services elementary occupations	
	Vehicle, window and related cleaners	Cooks	
Caring	Medical assistants	Nursing and midwifery professionals	Pharmacologists, pathologists and related professionals
	Dental assistants	Nursing associate professionals	Medical doctors
	Veterinary assistants	Medical equipment operators	Dentists
	Pharmaceutical assistants	Midwifery associate professionals	Veterinarians
		Traditional medicine practitioners	Pharmacists
		Faith healers	Health professionals (except nursing) not elsewhere classified
		Social work associate professionals	Psychologists
		Child-care workers	Social work professionals
		Institution-based personal care workers	Dieticians and nutritionists
		Home-based personal care workers	Optometrists and opticians
		Personal care and related workers not elsewhere classified	Physiotherapists and related associate professionals
			Modern health associate professionals (except nursing) not elsewhere classified



Creative workers in the Gig-Economy

- New tools give rise to new art-forms
- Photoshop – new art – memes
- New methods to market/sell your services
- New methods to sell your content (Apple iTunes, etc)
- CrewPencil.com supports the Cape Town Film Industry
 - Find extras and supplies for Film Industry
- New opportunities to collaborate
- Need marketing and digital skills



The screenshot shows the SweepSouth website. At the top, there is a navigation bar with the SweepSouth logo, phone number (087-351-5444), and links for SHOP, INVITE & EARN, HELP, SIGN IN, and a prominent blue button for BOOK A CLEAN. Below the navigation bar, the 'How It Works' section is displayed with three numbered steps: 1. Create Your Personalised Cleaning Plan, 2. Get Matched With Your SweepStar, and 3. Manage Everything Online. A central image shows a smartphone displaying the SweepSouth app interface, which includes a 'HOME' screen with a 4 HRS duration and R 201.00 price, a 'ROOMS' section with 2 Bedrooms and 1 Bathroom, and an 'EXTRAS' section. Below the 'How It Works' section, there is a pink banner with the text 'Enjoy Your Clean, Shiny Home!' and a call to action: 'Download the SweepSouth App for easier booking, live notifications and instant messages'. At the bottom of the banner are buttons for 'Download on the App Store' and 'GET IT ON Google Play'.

Location based matching platforms

Requirements

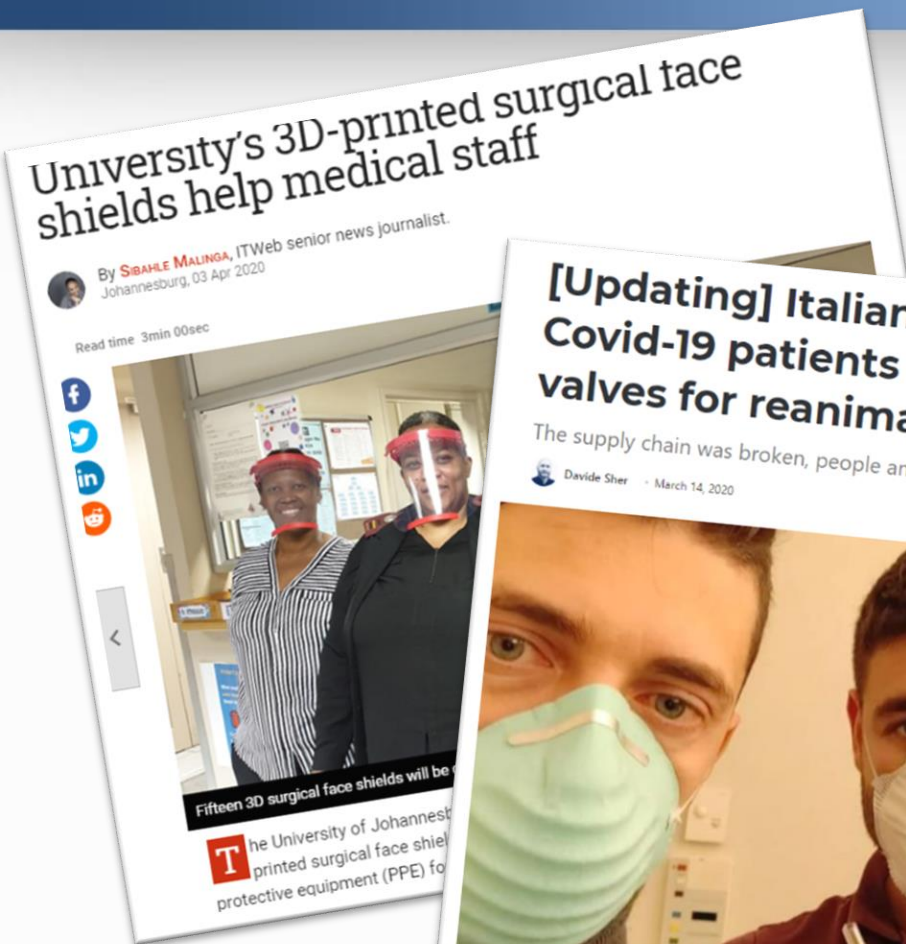
- Worker needs a smart phone and data to access work
- Requires digital skills to operate the app
- Must be literate
- Requires a bank-account to be paid

Challenges

- Worker is treated as an Independent Contractor
- Not catered for in SA Labour Law
- Work is semi-formal
- Platform dictates rate of pay
- Limited visibility in how is distributed

Benefits

- Role is clearly defined
- Rate of pay is determined up front
- Increasing opportunities of finding work



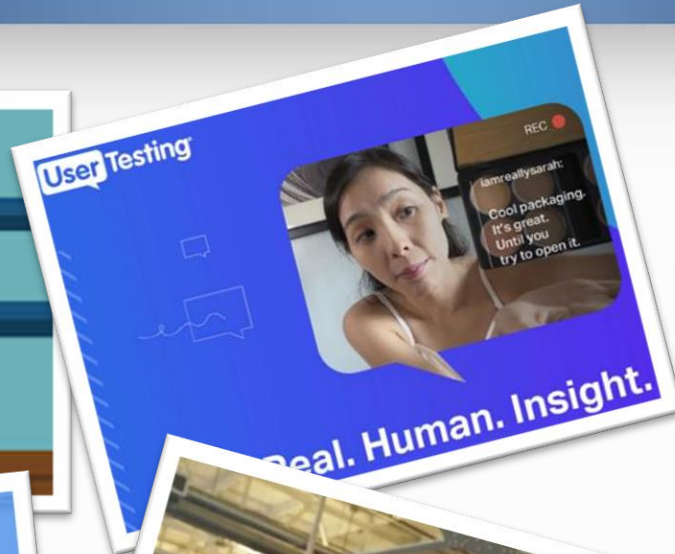
The role of 3D Printing in Supply Chains

- South African Universities 3D Printing Surgical face shields
- Italian Hospital 3D Prints expensive Oxygen Valve
 - Patented oxygen valve cost 11000USD, and are out of stock!
 - 3D Printed valve cost 1USD

Learnings

- Traditional supply chains are failing
- Need to respond to local demands
- Is a need for reliance on local-manufacturing
- Require in-depth knowledge about the problem

Jobs in the Platinum Economy



Non-techie work in the Tech Sector

- Helpdesk officer
 - Understand how to troubleshoot computer problems
- User Testing
 - Test the output of coding to see if it matches results
- Social Media Marketing
 - Market businesses online, exposing them to new clients
- Animation
 - Learn animation tools to build small-scale animations
- UX Design
 - Prepare designs for websites and apps for businesses to engage their clients

A “Refracted Economies” Research Agenda

A refracted economies framework could help us to:

1. Recognise new opportunities for dignified work
2. Embrace innovation, shed anachronistic jobs
3. Reimagine pathways: with multiple characteristics, and across and between refracted economies
4. Reconceptualise the role of TVETs
5. Reimagine career school career guidance
6. Infuse technological innovation in all work
7. Put entrepreneurship in its (correct) place
8. Stop the 4IR (moral) panic

