

An inclusive educational model for effective regional

development





HELP! the world is changing Rapidly!

Rapidly Changing World Impacting Business & Development -Sustainability



Accelerating Technological Change

Globally Connected World

- The Knowledge ERA
- Quality of Life
 - Regulatory Environment

Sustainability

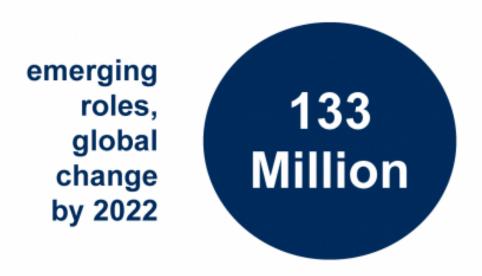




WØRLD ECONOMIC FORUM

> COMMITTED TC PROVING THE ST

The Jobs Landscape in 2022



Top 10 Emerging

- 1. Data Analysts and Scientists
- 2. Al and Machine Learning Specialists
- 3. General and Operations Managers
- 4. Software and Applications Developers and Analysts
- 5. Sales and Marketing Professionals
- 6. Big Data Specialists
- 7. Digital Transformation Specialists
- 8. New Technology Specialists
- 9. Organisational Development Specialists
- 10. Information Technology Services

Source: Future of Jobs Report 2018, World Economic Forum



The Jobs Landscape in 2022

declining roles, global change by 2022



Top 10 Declining

1. Data Entry Clerks



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- 2. Accounting, Bookkeeping and Payroll Clerks
- 3. Administrative and Executive Secretaries
- 4. Assembly and Factory Workers
- 5. Client Information and Customer Service Workers
- 6. Business Services and Administration Managers
- 7. Accountants and Auditors
- 8. Material-Recording and Stock-Keeping Clerks
- 9. General and Operations Managers
- 10. Postal Service Clerks

The Global Talent Deficit



Unrealised output due to labour deficit **\$2.1 trillion**

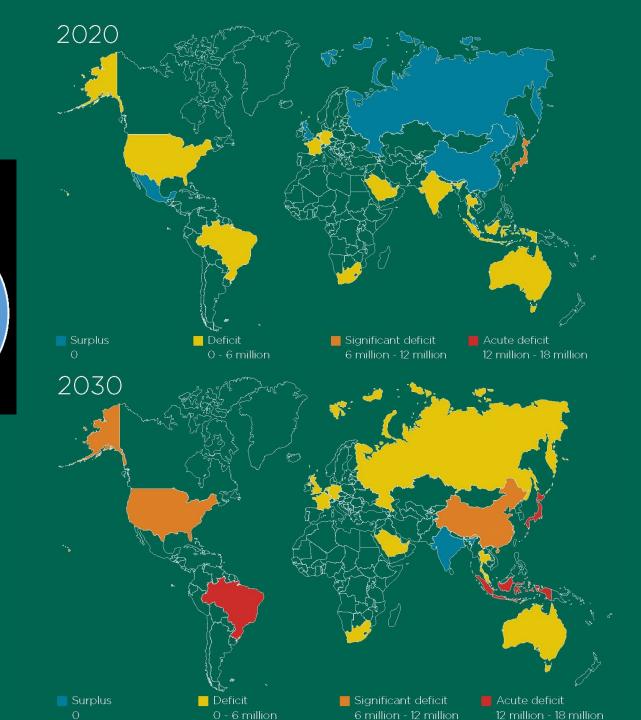


Unrealised output due to labour deficit **\$8.5 trillion**

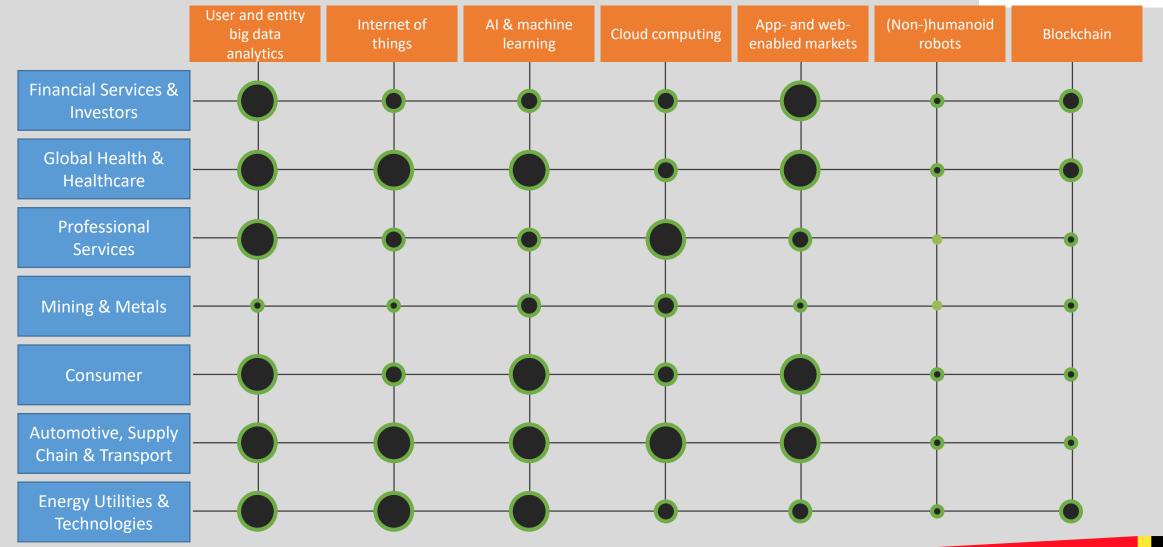
Financial Impact RSA

Financial & Business Sector **\$6.4 bn** Technology, Media & Telecommunication Sector **\$2.3 bn** Manufacturing Sector **\$1.6 bn**

Source: Future of Work 2018, Korn Ferry



Technology Adoption through all sectors the way we're wired



Source: Future of Jobs Report 2018, World Economic Forum

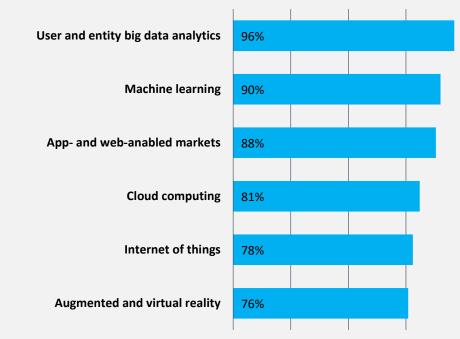
The Future of Jobs Report, 2018

Technological drivers of change:

- Ubiquitous high-speed internet Artificial intelligence
- Widespread adoption of big data analytics Cloud technology

Technology adoption:

(By > 75% of companies surveyed across all industries)





Responses to shifting skills needs:



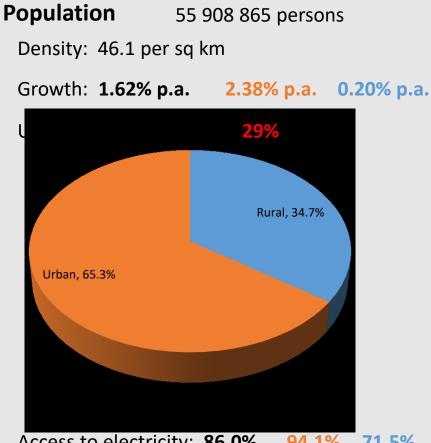
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It's the way we're wurded

Source: Future of Jobs Report 2018, World Economic Forum

Demographics





6,000,000 5,000,000 4,000,000 3,000,000 **- -**2,000,000 1,000,000 0 5 - 9 0 - 4 - 14 - 19 20 - 24 - 29 30 - 34 - 39 45 - 49 50 - 54 55 - 59 65 - 69 70 - 74 80+ 40 - 44 60 - 64 75 - 79 10 15 25 35

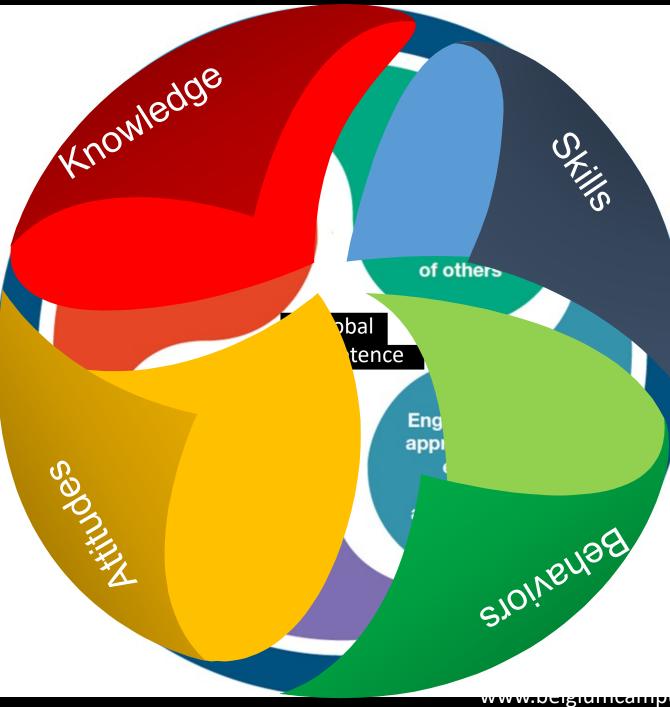
Access to electricity: **86.0%** 94.1% 71.5%

Below poverty line (ZAR 992 - EUR 60 p.m.): 55.5% (31.4 million people)

39.2% 77.0%

Below food poverty line (ZAR 441 - EUR 27 p.m.): 25.2% (14 million people)

Source: TradingEconomics.com | Statistics SA World Bank development indicators, 2016



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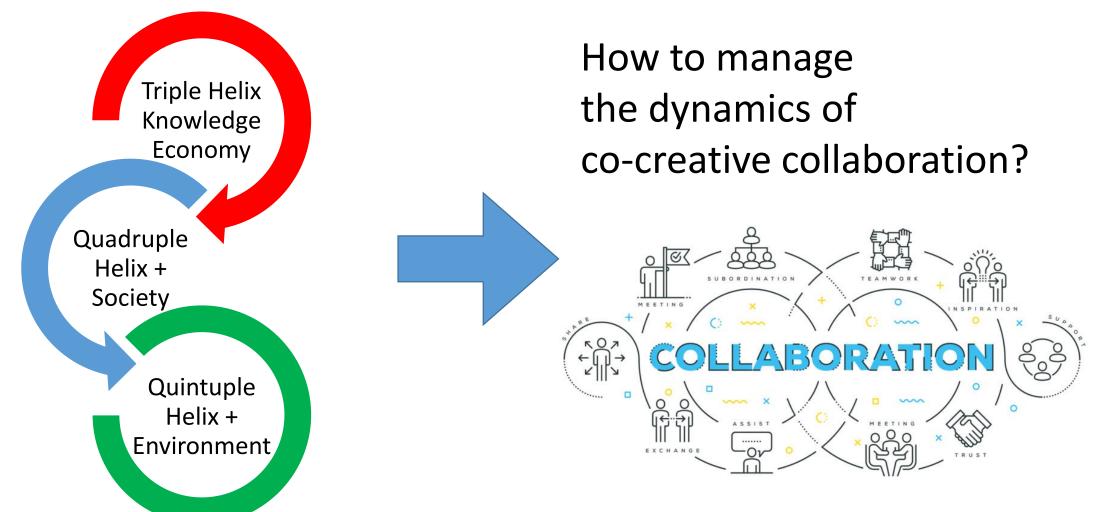
Rapidly Changing

Building the knowledge, attitudes, skills, and behaviors necessary to thrive in today's interconnected world

- Recognize
- Thespiesed to Invest in global
- Realize **competence!** Communicate Realize

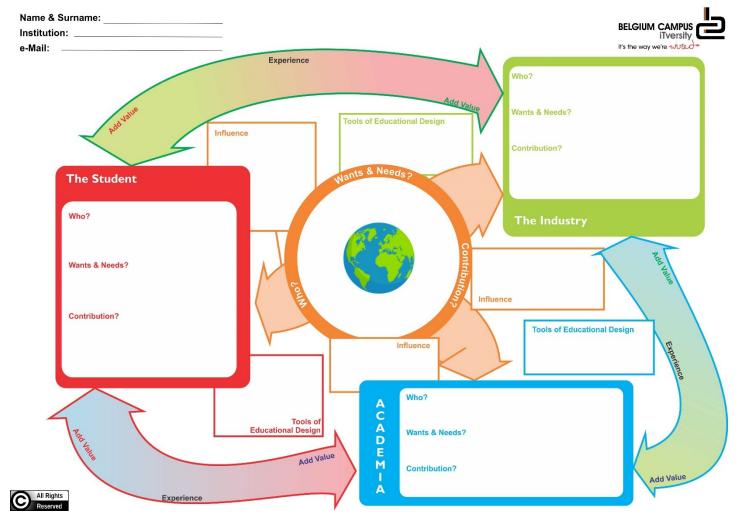
A need for joining forces From Triple to quintuple Helix







Interactive mapping of the ecosystem



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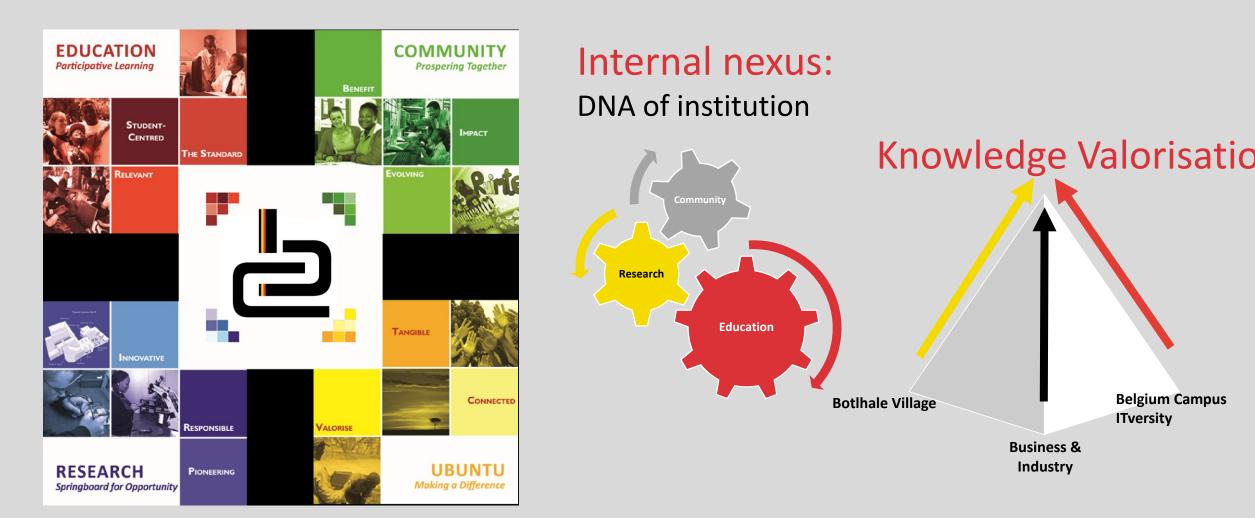
to Regional Skills development

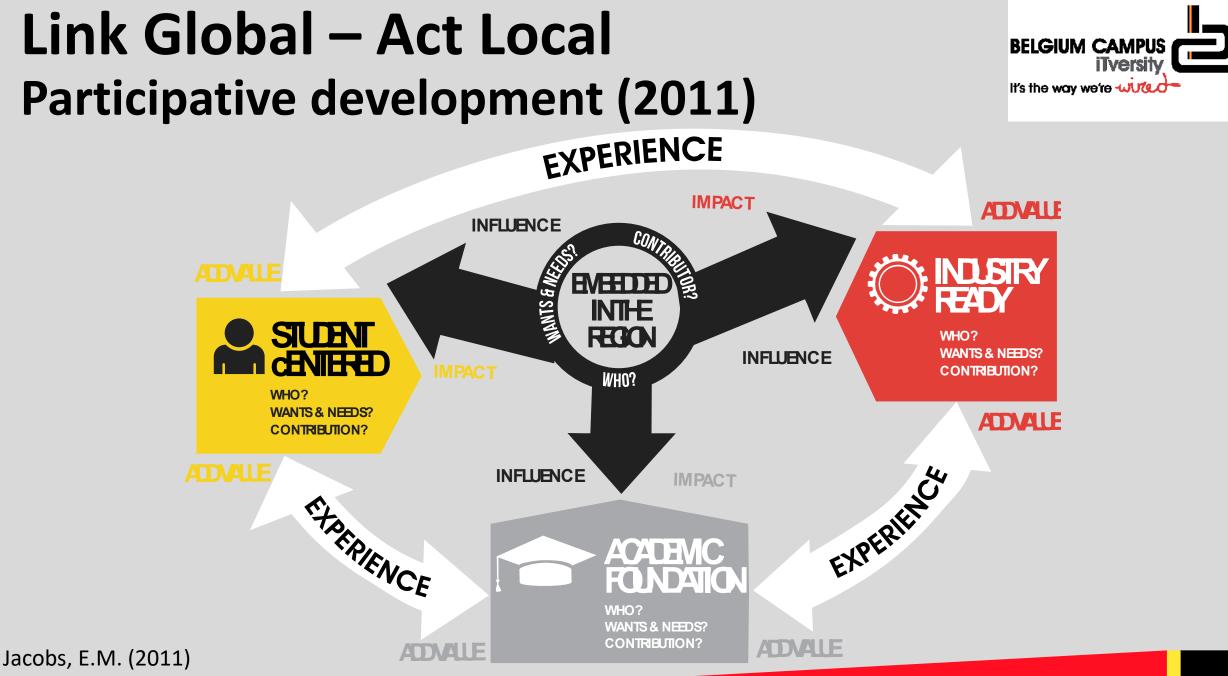
BC Wersity's Answer

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Link Global – Act Local Nurturing Entrepreneurial Mindsets & Behaviours







Link Global – Act Local Knowledge & Skills Development

Key elements

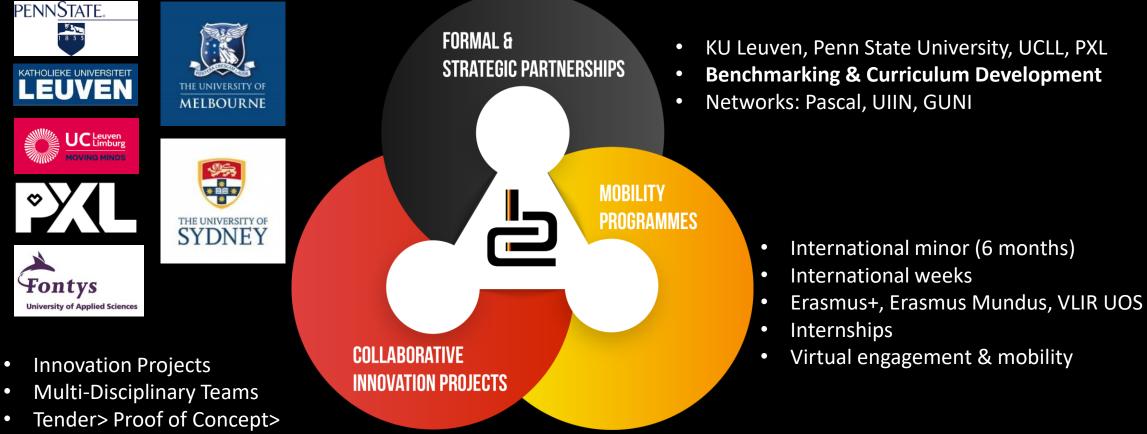
- Action-based learning
- Student-to-student learning
- Co-creative and collaborative skills
- Rapid prototyping
- Student engagement
- Industry internships

Continuous synergy & dynamic exchange

- Teaching
- R&D
- Knowledge valorisation
- Societal engagement
- Regional development

Link Global – Act Local Engineering across cultures





Scope of Work> Project Deliverables



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Link Global – Act Local Responsible Partnering in Knowledge valorisation

University

- Knowledge
- Rigorous academic content

Partner University (local/international)

- Multidisciplinary
- Different culture

Industry partner (international)

- Access to appropriate skills (inclusive special needs)
- Competitive
- Product/service development
- Exploitation
- Return of Investment

Global competence Skilled-apt graduates

(Pre-)Startups IP, products and services

Results





Results – 100% employment

- Curriculum fosters the development of Entrepreneurial Mind-Sets and Behaviours
- Agile curriculum influenced by <u>all</u> stakeholders
- Student-centred
 - 40% of students on bursaries
 - Positive transformation (disadvantaged disabled)
- Unique opportunities for disabled students (inclusive the deaf)
- Sought after highly-skilled candidates (upper LSM)



Question s?



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